Committente :

MINISTERO DELLA DIFESA

Ufficio Autonomo Lavori - G.M. per M.D.

Via Firenze, 35 - 00184 - Roma

Progetto :

PROGETTO DI FATTIBILITÀ TECNICO ECONOMICA

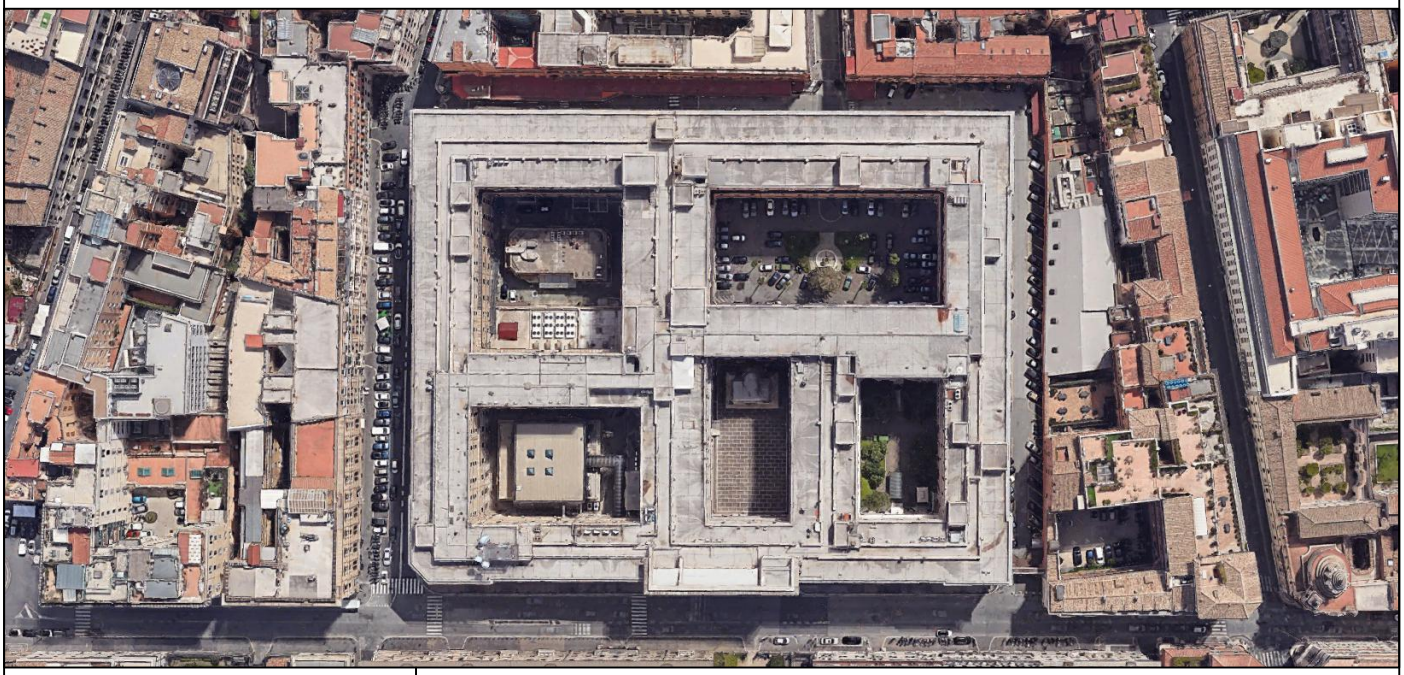
LAVORI DI AMMODERNAMENTO E RINNOVAMENTO STRUTTURALE ED IMPIANTISTICO DEL FABBRICATO "EX TEATRO" PER LA REALIZZAZIONE DI UN CENTRO SPORTIVO ADIBITO ALLA PREPARAZIONE DEL PERSONALE MILITARE ALLE P.E.F.O.

CIG : B10CA30BA1

Descrizione elaborato :

ELABORATO DESCRITTIVO

TABULATI DI CALCOLO



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Ordine degli Ingegneri della Provincia di Roma n. A28983

REV	DATA	DESCRIZIONE	REDATTO	VERIFICATO	APPROVATO
00	27/11/2024	Prima emissione	M.D.	M.D.	M.D.
01	29/01/2025	Integrazione	M.D.	M.D.	M.D.
02	26/02/2025	Integrazione	M.D.	M.D.	M.D.

Codice elaborato :	Livello progettuale :	Scala :	Elaborato :
PFTE-PAL-REL-STR-002	PFTE	–	STR-02

TABULATI DI CALCOLO NUOVO SOLAIO PIANO PRIMO

INFORMAZIONI GENERALI

Edificio	Acciaio
Costruzione	Nuova
Comune	Roma
Provincia	Città metropolitana di Roma Capitale
Normativa di riferimento	D.M. 17/01/2018
Analisi sismica	Dinamica solo Orizzontale

MATERIALI CALCESTRUZZO ARMATO

Caratteristiche calcestruzzo armato

N_{id}	γ_k	$\alpha_{T,i}$	E	G	C_{Erid}	Stz	R_{ck}	R_{cm}	$\%R_{ck}$	γ_c	f_{cd}	f_{ctd}	f_{cfm}	N	n Ac
	[N/m³]	[1/°C]	[N/mm²]	[N/mm²]	[%]		[N/mm²]	[N/mm²]			[N/mm²]	[N/mm²]	[N/mm²]		
C25/30_B450C - (C25/30)															
001	25.000	0,000010	31.447	13.103	60	P	30,00	-	0,85	1,50	14,11	1,19	3,07	15	002

LEGENDA:

N_{id} Numero identificativo del materiale, nella relativa tabella dei materiali.
γ_k Peso specifico.
$\alpha_{T,i}$ Coefficiente di dilatazione termica.
E Modulo elastico normale.
G Modulo elastico tangenziale.
C_{Erid} Coefficiente di riduzione del Modulo elastico normale per Analisi Sismica [$E_{sisma} = E \cdot c_{Erid}$].
Stz Tipo di situazione: [F] = di Fatto (Esistente); [P] = di Progetto (Nuovo).
R_{ck} Resistenza caratteristica cubica.
R_{cm} Resistenza media cubica.
$\%R_{ck}$ Percentuale di riduzione della R_{ck}
γ_c Coefficiente parziale di sicurezza del materiale.
f_{cd} Resistenza di calcolo a compressione.
f_{ctd} Resistenza di calcolo a trazione.
f_{cfm} Resistenza media a trazione per flessione.
n Ac Identificativo, nella relativa tabella materiali, dell'acciaio utilizzato: [-] = parametro NON significativo per il materiale.

MATERIALI ACCIAIO

Caratteristiche acciaio

N_{id}	γ_k	$\alpha_{T,i}$	E	G	Stz	LMT	f_{yk}	f_{tk}	f_{yd}	f_{td}	γ_s	γ_{M1}	γ_{M2}	$\gamma_{M3,SLV}$	$\gamma_{M3,SLE}$	γ_{M7} NCnt	γ_{M7} Cnt
	[N/m³]	[1/°C]	[N/mm²]	[N/mm²]		[mm]	[N/mm²]	[N/mm²]	[N/mm²]	[N/mm²]							
Acciaio B450C - Acciaio in Tondini - (B450C)																	
002	78.500	0,000010	210.000	80.769	P	-	450,00	-	391,30	-	1,15	-	-	-	-	-	-
S355 - Acciaio per Profilati - (S355)																	
003	78.500	0,000012	210.000	80.769	P	40	355,00	510,00	338,10	-	1,05	1,05	1,25	-	-	-	-
						80	335,00	470,00	319,05								
8.8 - Acciaio per Bulloni - (8.8)																	
004	78.500	0,000012	210.000	80.769	-	-	640,00	800,00	512,00	-	1,25	-	-	1,25	1,10	1,10	1,00
S355 - Acciaio per Saldature - (S355)																	
005	78.500	0,000012	210.000	80.769	-	-	355,00	510,00	338,10	-	1,05	1,05	1,25	-	-	-	-
S355 - Acciaio per Piastre - (S355)																	
006	78.500	0,000012	210.000	80.769	-	40	355,00	510,00	338,10	-	1,05	1,05	1,25	-	-	-	-
						80	335,00	470,00	319,05								

LEGENDA:

N_{id} Numero identificativo del materiale, nella relativa tabella dei materiali.
γ_k Peso specifico.
$\alpha_{T,i}$ Coefficiente di dilatazione termica.
E Modulo elastico normale.
G Modulo elastico tangenziale.
Stz Tipo di situazione: [F] = di Fatto (Esistente); [P] = di Progetto (Nuovo).
LMT Campo di validità in termini di spessore t, (per profili, piastre, saldature) o diametro, d (per bulloni, tondini, chiodi, viti, spinotti)
f_{yk} Resistenza caratteristica allo snervamento
f_{tk} Resistenza caratteristica a rottura
f_{yd} Resistenza di calcolo
f_{td} Resistenza di calcolo a Rottura (Bulloni).
γ_s Coefficiente parziale di sicurezza allo SLV del materiale.
γ_{M1} Coefficiente parziale di sicurezza per instabilità.
γ_{M2} Coefficiente parziale di sicurezza per sezioni tese indebolite.
$\gamma_{M3,SLV}$ Coefficiente parziale di sicurezza per scorrimento allo SLV (Bulloni).
$\gamma_{M3,SLE}$ Coefficiente parziale di sicurezza per scorrimento allo SLE (Bulloni).
γ_{M7} Coefficiente parziale di sicurezza precarico di bulloni ad alta resistenza (Bulloni - NCnt = con serraggio NON controllato; Cnt = con serraggio controllato). [-] = parametro NON significativo per il materiale.
NOTE [-] = Parametro non significativo per il materiale.

TENSIONI AMMISSIBILI ALLO SLE DEI VARI MATERIALI

Tensioni ammissibili allo SLE dei vari materiali

Materiale	SL	Tensione di verifica	$\sigma_{d,amm}$
			[N/mm²]
C25/30_B450C	Caratteristica(RARA)	Compressione Calcestruzzo	14,94
	Quasi permanente	Compressione Calcestruzzo	11,21
Acciaio B450C	Caratteristica(RARA)	Trazione Acciaio	360,00

LEGENDA:

Tensioni ammissibili allo SLE dei vari materiali

Materiale	SL	Tensione di verifica	$\sigma_{d,amm}$
			[N/mm²]

SL Stato limite di esercizio per cui si esegue la verifica.
$\sigma_{d,amm}$ Tensione ammissibile per la verifica.

SEZIONI ASTE

Sezioni aste

N_{id}	Tp	Label	Dimensioni										v	A	Area per Taglio		Inerzia				$\Delta\Theta I_{pr}$
			B	H	Sp_w	L_w	$Sp_{f,0}$	$L_{f,0}$	$Sp_{f,1}$	$L_{f,1}$	$L_{f,2}$	$L_{f,3}$			$A_{X,T}$	$A_{Y,T}$	I_X	I_T	I_Y	I_{XY}	
			[cm]	[cm]	[cm]	[cm]	[cm]	[cm]	[cm]	[cm]	[cm]	[cm]		[cm²]	[cm²]	[cm²]	[cm⁴]	[cm⁴]	[cm⁴]	[cm⁴]	[°]
001		60x40	60	40	-	-	-	-	-	-	-	-	4	2.400	2.000	2.000	320.000	751.872	720.000	0	0,00

LEGENDA:

N_{id} Numero identificativo della sezione.
Tp Tipo di sezione.
Label Identificativo della sezione come indicato nelle carpenterie.
B Base/Diametro/Raggio.
H Altezza/Lato/Altezza di colmo.
Sp_w Spessore anima.
L_w Lunghezza anima.
$Sp_{f,0}$ Spessore ala 0.
$L_{f,0}$ Lunghezza ala 0.
$Sp_{f,1}$ Spessore ala 1.
$L_{f,1}$ Lunghezza ala 1.
$L_{f,2}$ Lunghezza ala 2.
$L_{f,3}$ Lunghezza ala 3.
v Nel caso di sezioni poligonali, indica il numero dei vertici della sezione.
A Area della sezione.
$\Delta\Theta I_{pr}$ Rotazione degli assi principali d'inerzia rispetto agli assi X, Y, espresse in gradi sessadecimali.
Inerzia Inerzie della sezione rispetto agli assi.

SEZIONI PROFILATI IN ACCIAIO

Sezioni profilati in acciaio - parte I

N_{id}	Tp	Label	b	b_1	h	t_f	t_{f1}	t_w	t_p	r_w	r_f	$r_{w/f}$	h_i	d	p_w	p_f	$d_{sp,w}$	$d_{sp,f}$
			[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[%]	[%]	[mm]	[mm]
002		HE 200 A	200,0	-	190,0	10,0	-	6,5	-	-	-	18,0	170,0	134,0	-	-	-	-
003		HE 220 A	220,0	-	210,0	11,0	-	7,0	-	-	-	18,0	188,0	152,0	-	-	-	-
006		10x150	10,0	-	150,0	-	-	-	-	-	-	-	-	-	-	-	-	-
007		HE 140 B	140,0	-	140,0	12,0	-	7,0	-	-	-	12,0	116,0	92,0	-	-	-	-

LEGENDA:

N_{id} Numero identificativo del profilato.
Tp Tipo di profilato.
Label Identificativo del profilato come indicato nelle carpenterie.
b Base del profilato.
b_1 Seconda base (per profilati composti).
h Altezza.
t_f Spessore ala.
t_{f1} Spessore seconda ala (per profilati composti).
t_w Spessore anima.
t_p Spessore piatto (per profilati composti).
r_w Raggio anima.
r_f Raggio ala.
$r_{w/f}$ Raggio anima/ala.
h_i Altezza anima.
d Altezza netta raccordi.
p_w Pendenza anima.
p_f Pendenza ala.
$d_{sp,w}$ Distanza spessore anima.
$d_{sp,f}$ Distanza spessore ala.

SEZIONI PROFILATI IN ACCIAIO

Sezioni profilati in acciaio - parte II

N_{id}	Tp	Label	Dir	TC	$d_{x/y}$	P_{abb}	A	A_v	I	$W_{el,sup/dx}$	$W_{el,inf/sx}$	W_{pl}	i	I_W	I_T	I_{XY}	α_{xy}
					[mm]	[mm]	[cm²]	[cm²]	[cm⁴]	[cm³]	[cm³]	[cm³]	[cm]	[cm⁶]	[cm⁴]	[cm⁴]	[°]
002		HE 200 A	X	-	-	0	54	18,08	3692,0	388,6	388,6	429,5	8,28	108000,000	21	0	0,0
			Y		-			45,12	1336,0	133,6	133,6	203,8	4,98				
003		HE 220 A	X	-	-	0	64	20,67	5410,0	515,2	515,2	568,5	9,17	193300,000	28	0	0,0
			Y		-			53,70	1955,0	177,7	177,7	270,6	5,51				
			Y		-			11,15	44,9	12,3	12,3	19,3	1,65				
006		10x150	X	-	-	0	15	12,50	281,3	37,5	37,5	56,3	4,33	0,000	0	0	0,0
			Y		-			12,50	1,3	2,5	2,5	3,8	0,29				
007		HE 140 B	X	-	-	0	43	13,08	1509,0	215,6	215,6	245,4	5,93	22480,000	20	0	0,0
			Y		-			36,52	549,7	78,5	78,5	119,8	3,58				

LEGENDA:

N_{id} Numero identificativo del profilato.
Tp Tipo di profilato.
Label Identificativo del profilato come indicato nelle carpenterie.
Dir Direzione.
TC Tipo collegamenti (per profilati composti). A = Abbottonati; R = Ravvicinati.
$d_{x/y}$ Distanza profilati lungo X/Y (per profilati composti).
P_{abb} Passo abbottonatura (per profilati composti).
A Area della sezione.
A_v Area resistente a taglio.

N_{id}	Tp	Label	Dir	TC	$d_{x/y}$	P_{abb}	A	A_v	I	$W_{el,sup/dx}$	$W_{el,inf/sx}$	W_{pl}	i	I_W	I_T	I_{XY}	α_{xy}
					[mm]	[mm]	[cm²]	[cm²]	[cm⁴]	[cm³]	[cm³]	[cm³]	[cm]	[cm⁶]	[cm⁴]	[cm⁴]	[°]

I Inerzia.
$W_{el,sup/dx}$ Modulo di resistenza elastica superiore/destra.
$W_{el,inf/sx}$ Modulo di resistenza elastica inferiore/sinistra.
W_{pl} Modulo resistenza plastica.
i Raggio inerzia
I_W Inerzia settoriale.
I_T Inerzia torsionale.
I_{XY} Inerzia in XY.
α_{xy} Rotazione assi inerzia.

ANALISI CARICHI

Analisi carichi

N_{id}	T. C.	Descrizione del Carico	Tipologie di Carico	Peso Proprio		Permanente NON Strutturale		Sovraccarico Accidentale		Carico Neve
				Descrizione	PP	Descrizione	PNS	Descrizione	SA	[N/m²]
001	S	Lam.Grec.-Cls col. Palestra H20	Locali Pubblici	Contributo della mamiera grecata e del cls allegerito Solaio misto in acciaio-calcestruzzo costituito da lamiera grecata tipo A55/P600 HI-BOND di spessore 8/10 e soletta in c.a. collaborante di spessore 6,5 cm (5,5+6,5)	5.100	Dato dai tramezzi, massetto e pavimento	2.300	Suscettibilità affollamento	5.000	0
002	S	Lam.Grec.-Cls col.PALESTRA SBALZO	Scale, balconi, ballatoi (Cat. A)		5.100	Pavimento, sottofondo e controsoffittatura	2.300	Balconi, ballatoi e scale comuni di abitazioni (Cat. A – Tab. 3.1.II - DM 17.01.2018)	5.000	0

LEGENDA:

N_{id} Numero identificativo dell'analisi di carico.
T. C. Identificativo del tipo di carico: [S] = Superficiale - [L] = Lineare - [C] = Concentrato.
PP, PNS, SA Valori, rispettivamente, del Peso Proprio, del Sovraccarico Permanente NON strutturale, del Sovraccarico Accidentale. Secondo il tipo di carico indicato nella colonna "T.C." ("S" - "L" - "C"), i valori riportati nelle colonne "PP", "PNS" e "SA", sono espressi in [N/m²] per carichi Superficiali, [N/m] per carichi Lineari, [N] per carichi Concentrati.

TIPOLOGIE DI CARICO

Tipologie di carico

N_{id}	Descrizione	F+E	+/- F	CDC	ψ_0	ψ_1	ψ_2
0001	Carico Permanente	SI	NO	Permanente	1,00	1,00	1,00
0002	Permanenti NON Strutturali	SI	NO	Permanente	1,00	1,00	1,00
0003	Locali Pubblici-Palestre (Cat. C)	SI	NO	Media	0,70	0,70	0,60
0004	Scale, balconi, ballatoi (Cat. C)	SI	NO	Media	0,70	0,50	0,30
0005	Sisma X	-	-	-	-	-	-
0006	Sisma Y	-	-	-	-	-	-
0007	Sisma Z	-	-	-	-	-	-
0008	Sisma Ecc.X	-	-	-	-	-	-
0009	Sisma Ecc.Y	-	-	-	-	-	-

LEGENDA:

N_{id} Numero identificativo della Tipologia di Carico.
F+E Indica se la tipologia di carico considerata è AGENTE con il sisma.
+/- F Indica se la tipologia di carico è ALTERNATA (cioè considerata due volte con segno opposto) o meno.
CDC Indica la classe di durata del carico.
NOTA: dato significativo solo per elementi in materiale legnoso.
ψ_0 Coefficiente riduttivo dei carichi allo SLU e SLE (carichi rari).
ψ_1 Coefficiente riduttivo dei carichi allo SLE (carichi frequenti).
ψ_2 Coefficiente riduttivo dei carichi allo SLE (carichi frequenti e quasi permanenti).

SLU: Non Sismica - Strutturale senza azioni geotecniche

SLU: Non Sismica - Strutturale senza azioni geotecniche

Id_{Comb}	CC 01 Carico Permanente	CC 02 Permanenti NON Strutturali	CC 03 Locali Pubblici	CC 04 Scale, balconi, ballatoi (Cat. A)
01	1,00	0,80	0,00	0,00
02	1,00	0,80	0,00	1,05
03	1,00	0,80	1,50	0,00
04	1,00	0,80	1,50	1,05
05	1,00	0,80	0,00	1,50
06	1,00	0,80	1,05	0,00
07	1,00	0,80	1,05	1,50
08	1,30	0,80	0,00	0,00
09	1,30	0,80	0,00	1,05
10	1,30	0,80	1,50	0,00
11	1,30	0,80	1,50	1,05
12	1,30	0,80	0,00	1,50
13	1,30	0,80	1,05	0,00
14	1,30	0,80	1,05	1,50
15	1,00	1,50	0,00	0,00
16	1,00	1,50	0,00	1,05
17	1,00	1,50	1,50	0,00

SLU: Non Sismica - Strutturale senza azioni geotecniche

Id_{Comb}	CC 01 Carico Permanente	CC 02 Permanenti NON Strutturali	CC 03 Locali Pubblici	CC 04 Scale, balconi, ballatoi (Cat. A)
18	1,00	1,50	1,50	1,05
19	1,00	1,50	0,00	1,50
20	1,00	1,50	1,05	0,00
21	1,00	1,50	1,05	1,50
22	1,30	1,50	0,00	0,00
23	1,30	1,50	0,00	1,05
24	1,30	1,50	1,50	0,00
25	1,30	1,50	1,50	1,05
26	1,30	1,50	0,00	1,50
27	1,30	1,50	1,05	0,00
28	1,30	1,50	1,05	1,50

LEGENDA:

Id_{Comb} Numero identificativo della Combinazione di Carico.
CC Identificativo della tipologia di carico nella relativa tabella.
CC 01= Carico Permanente
CC 02= Permanenti NON Strutturali
CC 03= Locali Pubblici
CC 04= Scale, balconi, ballatoi (Cat. A)

SLU: Sismica - Strutturale senza azioni geotecniche

SLU: Sismica - Strutturale senza azioni geotecniche

Id_{Comb}	CC 01 Carico Permanente	CC 02 Permanenti NON Strutturali	CC 03 Locali Pubblici	CC 04 Scale, balconi, ballatoi (Cat. A)
01	1,00	1,00	0,60	0,30

LEGENDA:

Id_{Comb} Numero identificativo della Combinazione di Carico.
CC Identificativo della tipologia di carico nella relativa tabella.
CC 01= Carico Permanente
CC 02= Permanenti NON Strutturali
CC 03= Locali Pubblici
CC 04= Scale, balconi, ballatoi (Cat. A)

COMBINAZIONI SISMICHE

Alle combinazioni riportate nella precedente tabella è stato aggiunto l'effetto del sisma. L'azione sismica è stata considerata come caratterizzata da tre componenti traslazionali lungo i tre assi globali X, Y e Z; la risposta della struttura è stata calcolata separatamente per i tre effetti e quindi combinata secondo la seguente espressione simbolica:

$\alpha = \alpha_i + 0{,}3 \bullet \alpha_{ii} + 0{,}3 \bullet \alpha_{iii}$

con α effetto totale dell'azione sismica, α_i, α_{ii} e α_{iii} azioni sismiche nelle tre direzioni. E' stata effettuata una rotazione degli indici e dei segni, per cui le combinazioni totali generate sono le:
(con α'_p sollecitazione dovuta alla combinazione delle condizioni statiche e α sollecitazione dovuta al sisma; in particolare α_x, α_y, α_z, α_{ex}, α_{ey} sono rispettivamente le sollecitazioni dovute al sisma agente in direzione x, in direzioni y, in direzione z, per eccentricità accidentale positiva in direzione x e per eccentricità accidentale positiva in direzione y)

1) $\alpha'_p+(\alpha_x+\alpha_{ex})+0{,}3\bullet(\alpha_y+\alpha_{ey})+0{,}3\bullet\alpha_z$; **2)** $\alpha'_p+(\alpha_x+\alpha_{ex})-0{,}3\bullet(\alpha_y+\alpha_{ey})+0{,}3\bullet\alpha_z$;
3) $\alpha'_p+(\alpha_x+\alpha_{ex})+0{,}3\bullet(\alpha_y+\alpha_{ey})-0{,}3\bullet\alpha_z$; **4)** $\alpha'_p+(\alpha_x+\alpha_{ex})-0{,}3\bullet(\alpha_y+\alpha_{ey})-0{,}3\bullet\alpha_z$;
5) $\alpha'_p+(\alpha_x+\alpha_{ex})+0{,}3\bullet(\alpha_y-\alpha_{ey})+0{,}3\bullet\alpha_z$; **6)** $\alpha'_p+(\alpha_x+\alpha_{ex})-0{,}3\bullet(\alpha_y-\alpha_{ey})+0{,}3\bullet\alpha_z$;
7) $\alpha'_p+(\alpha_x+\alpha_{ex})+0{,}3\bullet(\alpha_y-\alpha_{ey})-0{,}3\bullet\alpha_z$; **8)** $\alpha'_p+(\alpha_x+\alpha_{ex})-0{,}3\bullet(\alpha_y-\alpha_{ey})-0{,}3\bullet\alpha_z$;
9) $\alpha'_p+(\alpha_x-\alpha_{ex})+0{,}3\bullet(\alpha_y+\alpha_{ey})+0{,}3\bullet\alpha_z$; **10)** $\alpha'_p+(\alpha_x-\alpha_{ex})-0{,}3\bullet(\alpha_y+\alpha_{ey})+0{,}3\bullet\alpha_z$;
11) $\alpha'_p+(\alpha_x-\alpha_{ex})+0{,}3\bullet(\alpha_y+\alpha_{ey})-0{,}3\bullet\alpha_z$; **12)** $\alpha'_p+(\alpha_x-\alpha_{ex})-0{,}3\bullet(\alpha_y+\alpha_{ey})-0{,}3\bullet\alpha_z$;
13) $\alpha'_p+(\alpha_x-\alpha_{ex})+0{,}3\bullet(\alpha_y-\alpha_{ey})+0{,}3\bullet\alpha_z$; **14)** $\alpha'_p+(\alpha_x-\alpha_{ex})-0{,}3\bullet(\alpha_y-\alpha_{ey})+0{,}3\bullet\alpha_z$;
15) $\alpha'_p+(\alpha_x-\alpha_{ex})+0{,}3\bullet(\alpha_y-\alpha_{ey})-0{,}3\bullet\alpha_z$; **16)** $\alpha'_p+(\alpha_x-\alpha_{ex})-0{,}3\bullet(\alpha_y-\alpha_{ey})-0{,}3\bullet\alpha_z$;
17) $\alpha'_p+(\alpha_y+\alpha_{ey})+0{,}3\bullet(\alpha_x+\alpha_{ex}+0{,}3\bullet\alpha_z$; **18)** $\alpha'_p+(\alpha_y+\alpha_{ey})-0{,}3\bullet(\alpha_x+\alpha_{ex})+0{,}3\bullet\alpha_z$;
19) $\alpha'_p+(\alpha_y+\alpha_{ey})+0{,}3\bullet(\alpha_x+\alpha_{ex})-0{,}3\bullet\alpha_z$; **20)** $\alpha'_p+(\alpha_y+\alpha_{ey})-0{,}3\bullet(\alpha_x+\alpha_{ex})-0{,}3\bullet\alpha_z$;
21) $\alpha'_p+(\alpha_y+\alpha_{ey})+0{,}3\bullet(\alpha_x-\alpha_{ex})+0{,}3\bullet\alpha_z$; **22)** $\alpha'_p+(\alpha_y+\alpha_{ey})-0{,}3\bullet(\alpha_x-\alpha_{ex})+0{,}3\bullet\alpha_z$;
23) $\alpha'_p+(\alpha_y+\alpha_{ey})+0{,}3\bullet(\alpha_x-\alpha_{ex})-0{,}3\bullet\alpha_z$; **24)** $\alpha'_p+(\alpha_y+\alpha_{ey})-0{,}3\bullet(\alpha_x-\alpha_{ex})-0{,}3\bullet\alpha_z$;
25) $\alpha'_p+(\alpha_y-\alpha_{ey})+0{,}3\bullet(\alpha_x+\alpha_{ex})+0{,}3\bullet\alpha_z$; **26)** $\alpha'_p+(\alpha_y-\alpha_{ey})-0{,}3\bullet(\alpha_x+\alpha_{ex})+0{,}3\bullet\alpha_z$;
27) $\alpha'_p+(\alpha_y-\alpha_{ey})+0{,}3\bullet(\alpha_x+\alpha_{ex})-0{,}3\bullet\alpha_z$; **28)** $\alpha'_p+(\alpha_y-\alpha_{ey})-0{,}3\bullet(\alpha_x+\alpha_{ex})-0{,}3\bullet\alpha_z$;
29) $\alpha'_p+(\alpha_y-\alpha_{ey})+0{,}3\bullet(\alpha_x-\alpha_{ex})+0{,}3\bullet\alpha_z$; **30)** $\alpha'_p+(\alpha_y-\alpha_{ey})-0{,}3\bullet(\alpha_x-\alpha_{ex})+0{,}3\bullet\alpha_z$;
31) $\alpha'_p+(\alpha_y-\alpha_{ey})+0{,}3\bullet(\alpha_x-\alpha_{ex})-0{,}3\bullet\alpha_z$; **32)** $\alpha'_p+(\alpha_y-\alpha_{ey})-0{,}3\bullet(\alpha_x-\alpha_{ex})-0{,}3\bullet\alpha_z$;
33) $\alpha'_p+\alpha_z+0{,}3\bullet(\alpha_x+\alpha_{ex})+0{,}3\bullet(\alpha_y+\alpha_{ey})$; **34)** $\alpha'_p+\alpha_z-0{,}3\bullet(\alpha_x+\alpha_{ex})+0{,}3\bullet(\alpha_y+\alpha_{ey})$;
35) $\alpha'_p+\alpha_z+0{,}3\bullet(\alpha_x+\alpha_{ex})-0{,}3\bullet(\alpha_y+\alpha_{ey})$; **36)** $\alpha'_p+\alpha_z-0{,}3\bullet(\alpha_x+\alpha_{ex})-0{,}3\bullet(\alpha_y+\alpha_{ey})$;
37) $\alpha'_p+\alpha_z+0{,}3\bullet(\alpha_x+\alpha_{ex})+0{,}3\bullet(\alpha_y-\alpha_{ey})$; **38)** $\alpha'_p+\alpha_z-0{,}3\bullet(\alpha_x+\alpha_{ex})+0{,}3\bullet(\alpha_y-\alpha_{ey})$;
39) $\alpha'_p+\alpha_z+0{,}3\bullet(\alpha_x+\alpha_{ex})-0{,}3\bullet(\alpha_y-\alpha_{ey})$; **40)** $\alpha'_p+\alpha_z-0{,}3\bullet(\alpha_x+\alpha_{ex})-0{,}3\bullet(\alpha_y-\alpha_{ey})$;
41) $\alpha'_p+\alpha_z+0{,}3\bullet(\alpha_x-\alpha_{ex})+0{,}3\bullet(\alpha_y+\alpha_{ey})$; **42)** $\alpha'_p+\alpha_z-0{,}3\bullet(\alpha_x-\alpha_{ex})+0{,}3\bullet(\alpha_y+\alpha_{ey})$;
43) $\alpha'_p+\alpha_z+0{,}3\bullet(\alpha_x-\alpha_{ex})-0{,}3\bullet(\alpha_y+\alpha_{ey})$; **44)** $\alpha'_p+\alpha_z-0{,}3\bullet(\alpha_x-\alpha_{ex})-0{,}3\bullet(\alpha_y+\alpha_{ey})$;
45) $\alpha'_p+\alpha_z+0{,}3\bullet(\alpha_x-\alpha_{ex})+0{,}3\bullet(\alpha_y-\alpha_{ey})$; **46)** $\alpha'_p+\alpha_z-0{,}3\bullet(\alpha_x-\alpha_{ex})+0{,}3\bullet(\alpha_y-\alpha_{ey})$;
47) $\alpha'_p+\alpha_z+0{,}3\bullet(\alpha_x-\alpha_{ex})-0{,}3\bullet(\alpha_y-\alpha_{ey})$; **48)** $\alpha'_p+\alpha_z-0{,}3\bullet(\alpha_x-\alpha_{ex})-0{,}3\bullet(\alpha_y-\alpha_{ey})$.

Nel caso di verifiche effettuate con sollecitazioni composte, per tenere conto del fatto che le sollecitazioni sismiche sono state ricavate come CQC delle sollecitazioni derivanti dai modi di vibrazione, dette N, Mx, My, Tx e Ty le sollecitazioni dovute al sisma, per ognuna delle combinazioni precedenti, sono state ricavate 32 combinazioni di carico permutando nel seguente modo i segni delle sollecitazioni derivanti dal

sisma:
1) N, Mx, My, Tx e Ty; **2)** N, Mx, -My, Tx e Ty; **3)** N, -Mx, My, Tx e Ty; **4)** N, -Mx, -My, Tx e Ty; **5)** -N, Mx, My, Tx e Ty; **6)** -N, Mx, -My, Tx e Ty; **7)** -N, -Mx, My, Tx e Ty; **8)** -N, -Mx, -My, Tx e Ty; **9)** N, Mx, My, Tx e -Ty; **10)** N, Mx, -My, Tx e -Ty; **11)** N, -Mx, My, Tx e -Ty; **12)** N, -Mx, -My, Tx e -Ty; **13)** -N, Mx, My, Tx e -Ty; **14)** -N, Mx, -My, Tx e -Ty; **15)** -N, -Mx, My, Tx e -Ty; **16)** -N, -Mx, -My, Tx e -Ty; **17)** N, Mx, My, -Tx e Ty; **18)** N, Mx, -My, -Tx e Ty; **19)** N, -Mx, My, -Tx e Ty; **20)** N, -Mx, -My, -Tx e Ty; **21)** -N, Mx, My, -Tx e Ty; **22)** -N, Mx, -My, -Tx e Ty; **23)** -N, -Mx, My, -Tx e Ty; **24)** -N, -Mx, -My, -Tx e Ty; **25)** N, Mx, My, -Tx e -Ty; **26)** N, Mx, -My, -Tx e -Ty; **27)** N, -Mx, My, -Tx e -Ty; **28)** N, -Mx, -My, -Tx e -Ty; **29)** -N, Mx, My, -Tx e -Ty; **30)** -N, Mx, -My, -Tx e -Ty; **31)** -N, -Mx, My, -Tx e -Ty; **32)** -N, -Mx, -My, -Tx e -Ty.

DATI GENERALI ANALISI SISMICA

Dati generali analisi sismica

Ang	NV	CD	MP	Dir	TS	EcA	Ir_{Tmp}	C.S.T.	RP	RH	ξ
[°]											[%]
0	15	ND	ac	X	-	N	N	C	SI	SI	5
				Y	-						

LEGENDA:

Ang Direzione di una componente dell'azione sismica rispetto all'asse X (sistema di riferimento globale); la seconda componente dell'azione sismica e' assunta con direzione ruotata di 90 gradi rispetto alla prima.

NV Nel caso di analisi dinamica, indica il numero di modi di vibrazione considerati.

CD Classe di duttilità: [A] = Alta - [B] = Media - [ND] = Non Dissipativa - [-] = Nessuna.

MP Tipo di struttura sismo-resistente prevalente: [ca] = calcestruzzo armato - [caOld] = calcestruzzo armato esistente - [muOld] = muratura esistente - [muNew] = muratura nuova - [muArm] = muratura armata - [ac] = acciaio.

Dir Direzione del sisma.

TS Tipologia della struttura:
Cemento armato: [T 1C] = Telai ad una sola campata - [T+C] = Telai a più campate - [P] = Pareti accoppiate o miste equivalenti a pareti- [2P NC] = Due pareti per direzione non accoppiate - [P NC] = Pareti non accoppiate - [DT] = Deformabili torsionalmente - [PI] = Pendolo inverso - [PM] = Pendolo inverso intelaiate monopiano;
Muratura: [P] = un solo piano - [PP] = più di un piano - [C-P/MP] = muratura in pietra e/o mattoni pieni - [C-BAS] = muratura in blocchi artificiali con percentuale di foratura > 15%;
Acciaio: [T 1C] = Telai ad una sola campata - [T+C] = Telai a più campate - [CT] = controventi concentrici diagonale tesa - [CV] = controventi concentrici a V - [M] = mensola o pendolo inverso - [TT] = telaio con tamponature.

EcA Eccentricità accidentale: [S] = considerata come condizione di carico statica aggiuntiva - [N] = Considerata come incremento delle sollecitazioni.

Ir_{Tmp} Per piani con distribuzione dei tamponamenti in pianta fortemente irregolare, l'eccentricità accidentale è stata incrementata di un fattore pari a 2: [SI] = Distribuzione tamponamenti irregolare fortemente - [NO] = Distribuzione tamponamenti regolare.

C.S.T. Categoria di sottosuolo: [A] = Ammassi rocciosi affioranti o terreni molto rigidi - [B] = Rocce tenere e depositi di terreni a grana grossa molto addensati o terreni a grana fina molto consistenti - [C] = Depositi di terreni a grana grossa mediamente addensati o terreni a grana fina mediamente consistenti - [D] = Depositi di terreni a grana grossa scarsamente addensati o di terreni a grana fina scarsamente consistenti - [E] = Terreni con caratteristiche e valori di velocità equivalente riconducibili a quelle definite per le categorie C o D.

RP Regolarità in pianta: [SI] = Struttura regolare - [NO] = Struttura non regolare.

RH Regolarità in altezza: [SI] = Struttura regolare - [NO] = Struttura non regolare.

ξ Coefficiente viscoso equivalente.

NOTE [-] = Parametro non significativo per il tipo di calcolo effettuato.

DATI GENERALI ANALISI SISMICA - FATTORI DI COMPORTAMENTO

Fattori di comportamento

Dir	q'	q	q_0	K_R	α_u/α_1	k_w
X	-	1,500	4,000	-	1,00	-
Y	-	1,500	4,000	-	1,00	-
Z	-	1,000	-	-	-	-

LEGENDA:

q' Fattore di riduzione dello spettro di risposta sismico allo SLU ridotto (Fattore di comportamento ridotto - relazione C7.3.1 circolare NTC)

q Fattore di riduzione dello spettro di risposta sismico allo SLU (Fattore di comportamento).

q_0 Valore di base (comprensivo di k_w).

K_R Fattore riduttivo funzione della regolarità in altezza : pari ad 1 per costruzioni regolari in altezza, 0,8 per costruzioni non regolari in altezza, e 0,75 per costruzioni in muratura esistenti non regolari in altezza (§ C8.5.5.1)..

α_u/α_1 Rapporto di sovraresistenza.

k_w Fattore di riduzione di q_0.

SLO	SLD	SLV	SLC
Parametri indipendenti ag= 0.075g F0=2.624 T*c=0.284s **Parametri dipendenti** S=1.75 Tb=0.08s Tc=0.31s SeTmax=0.344 Td=1.899s	**Parametri indipendenti** ag= 0.089g F0=2.580 T*c=0.289s **Parametri dipendenti** S=1.84 Tb=0.12s Tc=0.31s SeTmax=0.412 Td=1.956s	**Parametri indipendenti** ag= 0.089g F0=2.580 T*c=0.289s **Parametri dipendenti** S=1.84 Tb=0.12s Tc=0.31s SeTmax=0.412 Td=1.956s	**Parametri indipendenti** ag= 0.089g F0=2.580 T*c=0.289s **Parametri dipendenti** S=1.84 Tb=0.12s Tc=0.31s SeTmax=0.412 Td=1.956s

Cl Ed	V_N	V_R	Lat.	Long.	Q_g	CTop	S_T
	[t]	[t]	[°ssdc]	[°ssdc]	[m]		
4	50	100	41.904280	12.494269	54	T1	1,00

LEGENDA:

Cl Ed Classe dell'edificio
V_N Vita nominale ([t] = anni).
V_R Periodo di riferimento. [t] = anni.
Lat. Latitudine geografica del sito.
Long. Longitudine geografica del sito.
Q_g Altitudine geografica del sito.
CTop Categoria topografica (Vedi NOTE).
S_T Coefficiente di amplificazione topografica.
NOTE [-] = Parametro non significativo per il tipo di calcolo effettuato.
Categoria topografica.
T1: Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i <= 15°.
T2: Pendii con inclinazione media i > 15°.
T3: Rilievi con larghezza in cresta molto minore che alla base e inclinazione media 15° <= i <= 30°.
T4: Rilievi con larghezza in cresta molto minore che alla base e inclinazione media i > 30°.

PRINCIPALI ELEMENTI ANALISI SISMICA

Dir	M_{Str}	M_{SLU}	$M_{Ecc,SLU}$	M_{SLD}	$M_{Ecc,SLD}$	$\%T.M_{Ecc}$	$\Sigma V_{Ed,SLU}$
	[N·s²/m]	[N·s²/m]	[N·s²/m]	[N·s²/m]	[N·s²/m]	[%]	[N]
X	218.291	141.014	138.272	141.014	138.272	98,05	521.814
Y	218.291	141.014	137.935	141.014	137.935	97,82	500.873
Z	218.291	0	0	0	0	100,00	0

LEGENDA:

Dir Direzione del sisma.
M_{Str} Massa complessiva della struttura.
M_{SLU} Massa eccitabile allo SLU.
$M_{Ecc,SLU}$ Massa Eccitata dal sisma allo SLU.
M_{SLD} Massa eccitabile della struttura allo SLD, nelle direzioni X, Y, Z.
$M_{Ecc,SLD}$ Massa Eccitata dal sisma allo SLD.
$\%T.M_{Ecc}$ Percentuale Totale di Masse Eccitate dal sisma.
$\Sigma V_{Ed,SLU}$ Tagliante totale, alla base, per sisma allo SLU.

PRINCIPALI ELEMENTI ANALISI SISMICA: ROTAZIONE TORSIONALE

PRINCIPALI ELEMENTI ANALISI SISMICA: rotazione torsionale

$M_{T,SLU}$	$M_{T,Ecc,SLU}$	$M_{T,SLD}$	$M_{T,Ecc,SLD}$	$\%T.M_{T,Ecc}$
[kN·s²·m]	[kN·s²·m]	[kN·s²·m]	[kN·s²·m]	[%]
3.604	343	3.604	343	9,54

LEGENDA:

$M_{T,SLU}$ Massa eccitabile allo SLU.
$M_{T,Ecc,SLU}$ Massa Eccitata dal sisma allo SLU.
$M_{T,SLD}$ Massa eccitabile della struttura allo SLD, nelle direzioni X, Y, Z.
$M_{T,Ecc,SLD}$ Massa Eccitata dal sisma allo SLD.
$\%T.M_{T,Ecc}$ Percentuale Totale di Masse Eccitate dal sisma.

RIEPILOGO MODI DI VIBRAZIONE<u>MODI DI VIBRAZIONE N.15</u>

Sptr	T	$a_{g,O}$	$a_{g,V}$	Γ	CM	%M.M	M_{Ecc} / $M_{Ecc,t}$
	[s]	[m/s²]	[m/s²]			[%]	[N·s²/m / N·s²·m]
Modo Vibrazione n. 1							
SLU-X	0,497	3,552	0,000	-110,557	-0,6919	8,67	12.223
SLU-Y	0,497	3,552	0,000	321,790	2,0140	73,43	103.548
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0

Sptr	T	$a_{g,o}$	$a_{g,v}$	Γ	CM	%M.M	M_{Ecc} / $M_{Ecc,t}$
SLD-X	0,497	2,410	0,000	-110,557	-0,6919	8,67	12.223
SLD-Y	0,497	2,410	0,000	321,790	2,0140	73,43	103.548
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	5,328	0,000	-	-	-	-
Elast-Y	-	5,328	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,497	-	-	235,548	1,4742	1,54	55.483
Modo Vibrazione n. 2							
SLU-X	0,320	3,700	0,000	-272,866	-0,7064	52,80	74.456
SLU-Y	0,320	3,700	0,000	12,724	0,0329	0,11	162
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,320	2,656	0,000	-272,866	-0,7064	52,80	74.456
SLD-Y	0,320	2,656	0,000	12,724	0,0329	0,11	162
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	5,551	0,000	-	-	-	-
Elast-Y	-	5,551	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,320	-	-	-364,390	-0,9434	3,68	132.780
Modo Vibrazione n. 3							
SLU-X	0,474	3,692	0,000	-214,620	-1,2203	32,66	46.062
SLU-Y	0,474	3,692	0,000	-181,461	-1,0318	23,35	32.928
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,474	2,529	0,000	-214,620	-1,2203	32,66	46.062
SLD-Y	0,474	2,529	0,000	-181,461	-1,0318	23,35	32.928
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	5,538	0,000	-	-	-	-
Elast-Y	-	5,538	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,474	-	-	388,718	2,2102	4,19	151.102
Modo Vibrazione n. 4							
SLU-X	0,107	3,187	0,000	29,000	0,0085	0,60	841
SLU-Y	0,107	3,187	0,000	-6,802	-0,0020	0,03	46
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,107	2,196	0,000	29,000	0,0085	0,60	841
SLD-Y	0,107	2,196	0,000	-6,802	-0,0020	0,03	46
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	4,435	0,000	-	-	-	-
Elast-Y	-	4,435	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,107	-	-	23,523	0,0069	0,02	553
Modo Vibrazione n. 5							
SLU-X	0,102	3,135	0,000	27,727	0,0073	0,55	769
SLU-Y	0,102	3,135	0,000	8,094	0,0021	0,05	66
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,102	2,141	0,000	27,727	0,0073	0,55	769
SLD-Y	0,102	2,141	0,000	8,094	0,0021	0,05	66
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	4,323	0,000	-	-	-	-
Elast-Y	-	4,323	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,102	-	-	18,969	0,0050	0,01	360
Modo Vibrazione n. 6							
SLU-X	0,068	2,792	0,000	-20,856	-0,0024	0,31	435
SLU-Y	0,068	2,792	0,000	-27,359	-0,0032	0,53	748
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,068	1,772	0,000	-20,856	-0,0024	0,31	435
SLD-Y	0,068	1,772	0,000	-27,359	-0,0032	0,53	748
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	3,578	0,000	-	-	-	-
Elast-Y	-	3,578	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,068	-	-	45,986	0,0053	0,06	2.115
Modo Vibrazione n. 7							
SLU-X	0,121	3,325	0,000	-23,692	-0,0088	0,40	561
SLU-Y	0,121	3,325	0,000	-1,240	-0,0005	0,00	2
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,121	2,345	0,000	-23,692	-0,0088	0,40	561
SLD-Y	0,121	2,345	0,000	-1,240	-0,0005	0,00	2
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	4,735	0,000	-	-	-	-
Elast-Y	-	4,735	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,121	-	-	-19,623	-0,0073	0,01	385
Modo Vibrazione n. 8							
SLU-X	0,063	2,743	0,000	-22,113	-0,0022	0,35	489
SLU-Y	0,063	2,743	0,000	17,462	0,0017	0,22	305
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,063	1,719	0,000	-22,113	-0,0022	0,35	489
SLD-Y	0,063	1,719	0,000	17,462	0,0017	0,22	305
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	3,472	0,000	-	-	-	-
Elast-Y	-	3,472	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,063	-	-	23,516	0,0023	0,02	553

Sptr	T	$a_{g,o}$	$a_{g,v}$	Γ	CM	%M.M	M_{Ecc} / $M_{Ecc,t}$
Modo Vibrazione n. 9							
SLU-X	0,145	3,557	0,000	-20,297	-0,0107	0,29	412
SLU-Y	0,145	3,557	0,000	6,300	0,0033	0,03	40
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,145	2,594	0,000	-20,297	-0,0107	0,29	412
SLD-Y	0,145	2,594	0,000	6,300	0,0033	0,03	40
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	5,239	0,000	-	-	-	-
Elast-Y	-	5,239	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,145	-	-	3,655	0,0019	0,00	13
Modo Vibrazione n. 10							
SLU-X	0,046	2,576	0,000	-20,142	-0,0011	0,29	406
SLU-Y	0,046	2,576	0,000	2,906	0,0002	0,01	8
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,046	1,539	0,000	-20,142	-0,0011	0,29	406
SLD-Y	0,046	1,539	0,000	2,906	0,0002	0,01	8
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	3,109	0,000	-	-	-	-
Elast-Y	-	3,109	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,046	-	-	-8,324	-0,0004	0,00	69
Modo Vibrazione n. 11							
SLU-X	0,125	3,360	0,000	-19,095	-0,0075	0,26	365
SLU-Y	0,125	3,360	0,000	1,296	0,0005	0,00	2
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,125	2,383	0,000	-19,095	-0,0075	0,26	365
SLD-Y	0,125	2,383	0,000	1,296	0,0005	0,00	2
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	4,812	0,000	-	-	-	-
Elast-Y	-	4,812	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,125	-	-	-1,449	-0,0006	0,00	2
Modo Vibrazione n. 12							
SLU-X	0,042	2,538	0,000	-18,720	-0,0008	0,25	350
SLU-Y	0,042	2,538	0,000	-1,802	-0,0001	0,00	3
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,042	1,499	0,000	-18,720	-0,0008	0,25	350
SLD-Y	0,042	1,499	0,000	-1,802	-0,0001	0,00	3
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	3,027	0,000	-	-	-	-
Elast-Y	-	3,027	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,042	-	-	-9,282	-0,0004	0,00	86
Modo Vibrazione n. 13							
SLU-X	0,138	3,495	0,000	-18,635	-0,0090	0,25	347
SLU-Y	0,138	3,495	0,000	-2,043	-0,0010	0,00	4
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,138	2,528	0,000	-18,635	-0,0090	0,25	347
SLD-Y	0,138	2,528	0,000	-2,043	-0,0010	0,00	4
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	5,105	0,000	-	-	-	-
Elast-Y	-	5,105	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,138	-	-	-11,601	-0,0056	0,00	135
Modo Vibrazione n. 14							
SLU-X	0,118	3,290	0,000	-17,105	-0,0060	0,21	293
SLU-Y	0,118	3,290	0,000	7,806	0,0027	0,04	61
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,118	2,307	0,000	-17,105	-0,0060	0,21	293
SLD-Y	0,118	2,307	0,000	7,806	0,0027	0,04	61
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	4,660	0,000	-	-	-	-
Elast-Y	-	4,660	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,118	-	-	-15,211	-0,0053	0,01	231
Modo Vibrazione n. 15							
SLU-X	0,060	2,716	0,000	-16,205	-0,0015	0,19	263
SLU-Y	0,060	2,716	0,000	3,422	0,0003	0,01	12
SLU-Z	0,000	0,000	0,748	0,000	0,0000	0,00	0
SLD-X	0,060	1,690	0,000	-16,205	-0,0015	0,19	263
SLD-Y	0,060	1,690	0,000	3,422	0,0003	0,01	12
SLD-Z	0,000	0,000	0,252	0,000	0,0000	0,00	0
Elast-X	-	3,414	0,000	-	-	-	-
Elast-Y	-	3,414	0,000	-	-	-	-
Elast-Z	-	0,000	0,748	-	-	-	-
SLU-TRS	0,060	-	-	7,646	0,0007	0,00	58

LEGENDA:

Sptr	Spettro di risposta considerato.
T	Periodo del Modo di vibrazione.
$a_{g,o}$	Valore dell'Accelerazione Spettrale Orizzontale, riferita al corrispondente periodo.
$a_{g,v}$	Valore dell'Accelerazione Spettrale Verticale, riferita al corrispondente periodo.
Γ	Coefficiente di partecipazione.
CM	Coefficiente modale del modo di vibrazione.

Sptr	T	$a_{g,o}$	$a_{g,v}$	Γ	CM	%M.M	M_{Ecc} / $M_{Ecc,t}$

%M.M Percentuale di mobilitazione delle masse nel modo di vibrazione.
M_{Ecc} / $M_{Ecc,t}$ Massa eccitata del modo di vibrazione traslazionale / torsionale della struttura.
SLU-X Spettro di progetto allo S.L. Ultimo per sisma in direzione X.
SLU-Y Spettro di progetto allo S.L. Ultimo per sisma in direzione Y.
SLU-Z Spettro di progetto allo S.L. Ultimo per sisma in direzione Z.
SLD-X Spettro di progetto allo S.L. di Danno per sisma in direzione X.
SLD-Y Spettro di progetto allo S.L. di Danno per sisma in direzione Y.
SLD-Z Spettro di progetto allo S.L. di Danno per sisma in direzione Z.
Elast-X Spettro Elastico per sisma in direzione X.
Elast-Y Spettro Elastico per sisma in direzione Y.
Elast-Z Spettro Elastico per sisma in direzione Z.
SLU-TRS Contributo alla torsione del modo allo S.L. Ultimo

EDIFICIO - VERIFICA DI DEFORMABILITA' TORSIONALE

EDIFICIO - VERIFICA DI DEFORMABILITA' TORSIONALE

$N_{mod,tors}$	T_t	Direzione	T_{tr}	Ω	$M_{T,SLU}$	$M_{Ecc,T,i}$
	[s]		[s]		[kN·s²·m]	[kN·s²·m]
3	0,474	X Y	0,320 0,497	0,675 1,049	3.604	151

LEGENDA:

$N_{mod,tors}$ Numero Modo torsionale preponderante.
T_t Periodo del modo torsionale preponderante.
T_{tr} Periodo del modo traslazionale preponderante.
Ω Rapporto Omega di deformabilità torsionale strutturale.
$M_{T,SLU}$ Massa eccitabile allo SLU.
$M_{Ecc,T,i}$ Massa Torsionale della struttura Eccitata dal modo torsionale preponderante.

TRAVI (AC) - VERIFICHE A TRAZIONE (Elevazione)

Travi (AC) - Verifiche a trazione

Id_{Tr}	$\%L_{LI}$	N_{Ed}	CS	A_{net}	$N_{pl,Rd}$	$N_{u,Rd}$
	[%]	[N]		[mm²]	[N]	[N]
Piano Terra				**Piano Terra**		
Trave Acciaio 11-12	0%	182.857	2,77	1.500	507.143	550.800
	100%	182.371	2,78	1.500	507.143	550.800
Trave Acciaio 11-12	0%	198.248	2,56	1.500	507.143	550.800
	100%	198.734	2,55	1.500	507.143	550.800
Trave Acciaio 9-10	0%	143.966	3,52	1.500	507.143	550.800
	100,0%	143.491	3,53	1.500	507.143	550.800
Trave Acciaio 9-10	0%	145.615	3,48	1.500	507.143	550.800
	100,0%	146.099	3,47	1.500	507.143	550.800
Trave Acciaio 1-5	0%	213.238	2,38	1.500	507.143	550.800
	100%	213.721	2,37	1.500	507.143	550.800
Trave Acciaio 1-5	0%	211.574	2,40	1.500	507.143	550.800
	100%	211.091	2,40	1.500	507.143	550.800
Trave Acciaio 4-8	0%	182.738	2,78	1.500	507.143	550.800
	100,0%	182.268	2,78	1.500	507.143	550.800
Trave Acciaio 4-8	0%	194.161	2,61	1.500	507.143	550.800
	100,0%	194.631	2,61	1.500	507.143	550.800

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
N_{Ed} Sforzo normale di progetto.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
A_{net} Area netta della sezione di verifica.
$N_{pl,Rd}$ Resistenza plastica a Sforzo Normale.
$N_{u,Rd}$ Resistenza a rottura della sezione netta.

TRAVI (AC) - VERIFICHE A PRESSOFLESSIONE (Elevazione)

Travi (AC) - Verifiche a pressoflessione

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
Piano Terra							**Piano Terra**					
Trave Acciaio 29a-14	0%	5.431	-45.143	44.240	3,28	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	5.431	-49.568	30.630	4,74	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	5.431	-54.033	15.738	9,23	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	85.628	-28.107	6.336	22,92	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	85.628	-30.053	19.966	7,27	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 30a-15	0%	3.852	-	67.792	2,84	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
			69.418									
	25,0%	3.852	70.211	47.731	4,03	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	3.852	71.092	27.419	7,01	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	68.444	34.147	10.309	18,64	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100%	68.444	-34.585	17.384	11,06	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 31a-16	0%	4.104	79.460	78.082	2,46	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	4.104	80.248	55.136	3,49	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	4.104	81.130	31.938	6,02	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	66.492	39.811	11.199	17,16	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100,0 %	66.492	-40.246	18.208	10,56	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 32a-17	0%	7.393	63.466	56.335	2,58	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	7.393	66.847	37.608	3,86	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	7.393	70.273	17.897	8,11	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	71.217	32.990	9.436	15,39	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	71.217	-34.957	25.107	5,78	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 16-17	0%	29	21.433	3.168	13,22	PLS	41.890	188.485	0,000	966	5,00	679.135
	25,0%	29	11.269	15.691	2,67	PLS	41.890	188.485	0,000	966	5,00	679.135
	50,0%	29	23	22.015	1,90	PLS	41.890	188.485	0,000	966	5,00	679.135
	75,0%	29	-11.223	15.743	2,66	PLS	41.890	188.485	0,000	966	5,00	679.135
	100,0 %	118	-21.543	3.286	12,75	PLS	41.890	188.485	0,000	966	5,00	679.135
Trave Acciaio 15-16	0%	437	17.641	2.258	13,23	PLS	29.867	149.255	0,000	765	4,70	555.431
	25,0%	597	9.310	10.842	2,75	PLS	29.867	149.255	0,000	765	4,70	555.431
	50,0%	597	-85	15.161	1,97	PLS	29.867	149.255	0,000	765	4,70	555.431
	75,0%	437	-9.459	10.701	2,79	PLS	29.867	149.255	0,000	765	4,70	555.431
	100%	597	-17.790	2.534	11,79	PLS	29.867	149.255	0,000	765	4,70	555.431
Trave Acciaio 14-15	0%	863	16.677	2.239	13,34	PLS	29.867	149.255	0,000	765	4,70	555.431
	25,0%	450	8.806	9.494	3,15	PLS	29.867	149.255	0,000	765	4,70	555.431
	50,0%	450	-19	13.359	2,24	PLS	29.867	149.255	0,000	765	4,70	555.431
	75,0%	450	-8.844	9.460	3,16	PLS	29.867	149.255	0,000	765	4,70	555.431
	100,0 %	863	-16.553	2.184	13,68	PLS	29.867	149.255	0,000	765	4,70	555.431
Trave Acciaio 1-2	0%	5.323	31.244	4.890	6,11	PLS	29.867	149.255	0,000	765	4,70	555.431
	25,0%	2.190	16.495	17.231	1,73	PLS	29.867	149.255	0,000	765	4,70	555.431
	50,0%	2.190	190	24.552	1,22	PLS	29.867	149.255	0,000	765	4,70	555.431
	75,0%	2.190	-16.115	17.565	1,70	PLS	29.867	149.255	0,000	765	4,70	555.431
	100%	2.190	-30.474	3.627	8,23	PLS	29.867	149.255	0,000	765	4,70	555.431
Trave Acciaio 2-3	0%	1.622	32.61	4.523	6,60	PLS	29.867	149.255	0,000	765	4,70	555.431

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	25,0%	670	17.247	19.811	1,51	PLS	29.867	149.255	0,000	765	4,70	555.431
	50,0%	670	-173	27.815	1,07	PLS	29.867	149.255	0,000	765	4,70	555.431
	75,0%	1.622	17.538	19.522	1,53	PLS	29.867	149.255	0,000	765	4,70	555.431
	100%	670	-32.987	5.060	5,90	PLS	29.867	149.255	0,000	765	4,70	555.431
Trave Acciaio 31a-32a	0%	571	42.823	5.665	7,39	PLS	41.890	188.485	0,000	966	5,00	679.135
	25,0%	571	22.726	32.136	1,30	PLS	41.890	188.485	0,000	966	5,00	679.135
	75,0%	571	-21.797	33.176	1,26	PLS	41.890	188.485	0,000	966	5,00	679.135
	100,0%	-478	-37.238	5.878	7,13	PLS	41.890	188.485	0,000	966	5,00	679.135
Trave Acciaio 30a-31a	0%	-770	34.774	4.302	6,94	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-1.302	18.303	21.499	1,39	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-1.302	-332	29.913	1,00	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-1.302	-18.967	20.877	1,43	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-770	-35.423	5.517	5,41	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 27a-31a	0%	4.086	2.125	77.558	2,48	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	4.086	1.337	78.067	2,46	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	4.086	456	78.325	2,45	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	4.086	-426	78.330	2,45	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100,0%	4.086	-1.214	78.082	2,46	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 23a-27a	0%	82.297	56.534	19.798	9,71	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	25,0%	82.297	56.099	10.535	18,24	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	50,0%	4.066	81.648	30.877	6,22	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	75,0%	4.068	81.220	54.332	3,54	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	100%	4.068	80.432	77.558	2,48	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
Trave Acciaio 26a-27a	0%	-1.058	34.758	4.293	6,96	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-905	18.287	21.500	1,39	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-905	-348	29.899	1,00	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-905	-18.983	20.848	1,43	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-1.058	-35.440	5.571	5,36	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 11-23a	0%	4.048	163.527	99.863	1,92	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,1%	4.048	163.136	79.038	2,43	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	4.048	162.745	58.264	3,30	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,1%	4.048	162.354	37.538	5,12	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100,0%	106.249	103.298	17.222	11,16	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 22a-23a	0%	15.561	34.809	4.574	6,53	PLS	29.867	149.255	0,000	765	4,70	555.431
	25,0%	11.285	18.345	21.259	1,40	PLS	29.867	149.255	0,000	765	4,70	555.431
	50,0%	11.285	-290	29.713	1,01	PLS	29.867	149.255	0,000	765	4,70	555.431
	75,0%	11.285	-18.924	20.716	1,44	PLS	29.867	149.255	0,000	765	4,70	555.431
	100%	15.561	-35.389	5.659	5,28	PLS	29.867	149.255	0,000	765	4,70	555.431
Trave Acciaio 7-15a	0%	2.493	57.936	29.931	6,42	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,1%	2.493	57.254	17.116	11,23	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	50,0%	2.493	56.572	4.453	43,16	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,1%	2.493	55.890	8.059	23,85	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100,0 %	2.493	55.301	20.420	9,41	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 14a-15a	0%	-1.448	34.492	4.321	6,91	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-1.764	18.021	21.200	1,41	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-1.764	-613	29.351	1,02	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-1.764	-19.248	20.051	1,49	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-1.448	-35.705	6.592	4,53	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 7a-11a	0%	1.420	-24.106	31.138	6,17	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	25,0%	1.420	-24.894	24.106	7,97	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	50,0%	1.420	-25.775	16.822	11,43	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	75,0%	1.420	-26.656	9.285	20,70	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	100%	1.420	-4.032	2.000	45,74	PLS	91.489	1.048.221	0,000	5.370	22,00	2.174.913
Trave Acciaio 10a-11a	0%	1.186	34.569	4.363	6,85	PLS	29.867	149.255	0,000	765	4,70	555.431
	25,0%	2.277	18.097	21.224	1,41	PLS	29.867	149.255	0,000	765	4,70	555.431
	50,0%	2.277	-538	29.445	1,01	PLS	29.867	149.255	0,000	765	4,70	555.431
	75,0%	2.277	-19.173	20.216	1,48	PLS	29.867	149.255	0,000	765	4,70	555.431
	100%	1.186	-35.628	6.347	4,71	PLS	29.867	149.255	0,000	765	4,70	555.431
Trave Acciaio 3-7a	0%	1.409	65.112	41.863	4,59	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	1.409	64.324	23.245	8,27	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	1.409	63.443	4.878	39,40	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	1.408	62.588	13.268	14,49	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100,0 %	1.408	61.800	31.138	6,17	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 6a-7a	0%	-870	34.500	4.323	6,91	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-2.483	18.036	21.191	1,41	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-2.483	-599	29.355	1,02	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-2.483	-19.233	20.070	1,49	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-870	-35.698	6.567	4,55	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 25a-29a	0%	5.441	6.851	46.586	3,12	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	5.441	2.426	47.925	3,03	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	5.441	-2.040	47.980	3,03	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	5.441	-6.505	46.752	3,11	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100,0 %	5.441	-10.931	44.240	3,28	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 21a-25a	0%	73.599	40.697	13.973	10,39	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	25,0%	60.577	35.742	8.201	17,71	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	50,0%	5.449	50.009	20.398	7,12	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	75,0%	5.449	45.543	34.134	4,25	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	100%	5.449	41.117	46.587	3,12	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
Trave Acciaio 9-21a	0%	5.455	100.416	60.117	2,42	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	25,1%	5.455	98.436	47.440	3,06	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	50,0%	5.455	96.455	35.016	4,15	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	75,1%	5.455	94.474	22.844	6,36	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	100,0 %	86.922	59.831	12.305	11,80	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
Trave Acciaio 5-13a	0%	273.830	49.764	41.844	3,27	PLS	136.713	352.920	0,000	1.808	6,50	1.820.009
	25,1%	273.830	47.757	27.161	5,03	PLS	136.713	352.920	0,000	1.808	6,50	1.820.009
	50,0%	273.830	45.750	12.926	10,58	PLS	136.713	352.920	0,000	1.808	6,50	1.820.009
	75,1%	243.852	40.213	5.252	26,33	PLS	138.273	352.920	0,000	1.808	6,50	1.820.009
	100,0 %	273.830	41.756	14.207	9,62	PLS	136.713	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 5a-9a	0%	-8.867	-8.773	16.369	8,87	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	-8.867	13.201	13.215	10,99	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	181.105	4.902	13.886	10,46	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	181.105	2.308	17.332	8,38	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	181.105	-266	24.611	5,90	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 1-5a	0%	-8.869	43.200	23.080	6,29	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	-8.869	38.771	11.291	12,86	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	76.914	35.437	6.357	22,84	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	76.914	32.844	15.249	9,52	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100,0 %	76.914	30.269	24.331	5,97	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 15a-19a	0%	2.504	-30.608	20.421	9,41	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	2.504	-31.396	11.519	16,69	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	28.183	-12.659	3.986	48,22	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	36.687	-12.635	8.500	22,61	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100%	2.500	-34.128	16.966	11,33	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 18a-19a	0%	11.577	34.539	4.514	6,62	PLS	29.867	149.255	0,000	765	4,70	555.431
	25,0%	7.960	18.071	21.061	1,42	PLS	29.867	149.255	0,000	765	4,70	555.431
	50,0%	7.960	-564	29.258	1,02	PLS	29.867	149.255	0,000	765	4,70	555.431
	75,0%	7.960	-19.199	20.005	1,49	PLS	29.867	149.255	0,000	765	4,70	555.431
	100%	11.577	-35.659	6.611	4,52	PLS	29.867	149.255	0,000	765	4,70	555.431
Trave Acciaio 13a-17a	0%	111.022	23.542	29.751	4,88	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	111.022	20.968	18.963	7,66	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	79.474	14.897	7.826	18,56	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	82.735	448	6.209	23,39	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	111.022	13.209	17.871	8,13	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 9a-5	0%	-253.891	-21.450	18.686	7,38	PLS	137.863	352.920	0,000	1.808	6,50	1.820.009
	25,0%	-253.891	-22.017	11.917	11,57	PLS	137.863	352.920	0,000	1.808	6,50	1.820.009
	50,0%	-8.866	-61.976	11.878	12,23	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	-253.891	-23.189	20.148	6,84	PLS	137.863	352.920	0,000	1.808	6,50	1.820.009
	100%	-253.891	-23.776	31.643	4,36	PLS	137.863	352.920	0,000	1.808	6,50	1.820.009

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
Trave Acciaio 17a-9	0%	77.890	-5.370	13.336	10,89	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	3.844	-63.970	21.926	6,62	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	3.844	-66.456	32.360	4,49	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	3.844	-68.942	43.192	3,36	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	3.844	-71.427	54.421	2,67	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 20a-13	0%	1.610	-42.190	24.237	5,99	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	24,9%	1.610	-42.405	17.539	8,28	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	1.669	-42.631	10.801	13,44	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	6.639	204	6.086	23,86	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	6.639	71	9.395	15,46	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 1a-1	0%	7.277	-6.373	694	NS	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	2	-18.239	4.086	35,54	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	2	-22.126	9.131	15,90	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	2	-26.012	15.148	9,59	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	2	-29.858	22.136	6,56	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 3a-3	0%	3.002	-21.159	315	NS	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	9	-38.400	9.506	20,22	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	9	-39.166	19.202	10,01	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	9	-39.933	29.089	6,61	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100%	9	-40.606	39.166	4,91	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 2a-3a	0%	156	15.106	1.887	15,83	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-327	7.886	9.272	3,22	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-327	-276	12.835	2,33	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-327	-8.438	8.755	3,41	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	156	15.661	2.925	10,21	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 19a-11	0%	2.511	119.635	16.966	11,33	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	25,0%	2.511	120.033	36.134	5,32	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	50,0%	2.511	120.523	55.378	3,47	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	75,0%	2.511	121.014	74.701	2,57	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	100%	2.511	121.504	94.103	2,04	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
Trave Acciaio 4a-4	0%	8.774	-9.471	837	NS	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	-16	21.444	5.311	27,34	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	-16	21.855	10.723	13,54	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	-16	-	16.238	8,94	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	100%	-16	22.266 - 22.632	21.855	6,64	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 12a-8	0%	174.823	- 35.074	18.014	8,06	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	174.823	- 35.114	14.002	10,37	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	-12.182	- 69.167	18.078	8,03	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	-12.182	- 69.274	22.578	6,43	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	174.823	- 35.300	29.840	4,87	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 3a-4a	0%	2.274	22.068	3.023	13,86	PLS	41.890	188.485	0,000	966	5,00	679.278
	25,0%	2.438	11.766	19.320	2,17	PLS	41.890	188.485	0,000	966	5,00	679.278
	50,0%	2.274	541	27.240	1,54	PLS	41.890	188.485	0,000	966	5,00	679.278
	75,0%	2.274	- 10.691	20.706	2,02	PLS	41.890	188.485	0,000	966	5,00	679.278
	100,0 %	4.027	- 12.310	450	93,09	PLS	41.890	188.485	0,000	966	5,00	679.278
Trave Acciaio 12-13	0%	12.641	11.869	4.002	10,47	PLS	41.890	188.485	0,000	966	5,00	679.278
	24,9%	12.641	11.320	2.579	16,24	PLS	41.890	188.485	0,000	966	5,00	679.278
	50,0%	1.079	497	411	21,47	PLS	8.824	268.009	0,000	1.373	14,80	679.278
	74,9%	1.079	497	494	17,86	PLS	8.824	268.009	0,000	1.373	14,80	679.278
	100%	12.641	9.986	3.230	12,97	PLS	41.890	188.485	0,000	966	5,00	679.278
Trave Acciaio 11a-7	0%	1.430	1.051 -	1.928	47,45	PLS	91.489	1.048.221	0,000	5.370	22,00	2.175.347
	25,0%	1.430	113.186 -	5.939	32,36	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	1.430	113.385 -	13.303	14,45	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	1.430	113.584 -	20.679	9,29	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100%	1.430	113.784 -	28.069	6,85	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 18a-10	0%	2.499	97.717 -	18.284	10,51	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	2.499	98.120 -	33.945	5,66	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	2.499	98.610 -	49.684	3,87	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	2.499	99.101 -	65.501	2,93	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100%	2.499	99.591 -	81.396	2,36	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 29a-30a	0%	-2.503	30.411	9.471	3,15	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-790	17.883	17.710	1,69	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-790	378	25.742	1,16	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-790	- 17.126	18.376	1,63	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-790	- 32.460	4.269	7,00	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 26a-30a	0%	3.840	1.167	68.376	2,81	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	3.840	373	68.608	2,80	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	3.840	-508	68.589	2,80	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	3.840	-1.389	68.316	2,81	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100,0 %	3.840	-2.183	67.791	2,84	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
Trave Acciaio 2a-2	0%	3.515	-15.853	368	NS	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	10	-30.040	7.415	25,92	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	10	-30.806	15.021	12,80	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	10	-31.573	22.818	8,42	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100%	10	-32.251	30.806	6,24	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 22a-26a	0%	32.404	48.649	13.286	14,47	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	32.404	48.211	8.910	21,57	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	3.830	70.050	28.602	6,72	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	3.830	69.169	48.614	3,95	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100%	3.830	68.375	68.375	2,81	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 25a-26a	0%	-248	30.494	9.770	3,06	PLS	29.867	149.255	0,000	765	4,70	555.431
	25,0%	-89	17.892	17.680	1,69	PLS	29.867	149.255	0,000	765	4,70	555.431
	50,0%	-89	388	25.720	1,16	PLS	29.867	149.255	0,000	765	4,70	555.431
	75,0%	-89	-17.117	18.362	1,63	PLS	29.867	149.255	0,000	765	4,70	555.431
	100%	-89	-32.451	4.274	6,99	PLS	29.867	149.255	0,000	765	4,70	555.431
Trave Acciaio 10-22a	0%	3.819	140.783	83.585	2,30	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,1%	3.819	140.392	65.660	2,93	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	3.819	140.001	47.785	4,02	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,1%	3.819	139.610	29.959	6,42	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100,0 %	3.819	139.307	12.182	15,78	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 21a-22a	0%	-7.793	29.690	6.809	4,39	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-1.842	17.570	18.742	1,59	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-1.842	65	26.498	1,13	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-1.842	-17.439	18.856	1,58	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-1.842	-32.774	4.064	7,35	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 6-14a	0%	2.480	42.650	21.937	8,76	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,1%	2.480	41.968	12.523	15,35	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	2.480	41.286	3.261	58,94	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,1%	2.480	40.604	5.850	32,86	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100,0 %	2.480	40.010	14.810	12,98	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 13a-14a	0%	-4.055	30.101	8.289	3,60	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-1.677	17.723	18.181	1,64	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-1.677	218	26.072	1,15	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-1.677	-17.286	18.565	1,61	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-1.677	-32.620	4.220	7,08	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 6a-10a	0%	1.947	-16.969	23.687	8,11	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	1.947	-17.76	18.705	10,28	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	50,0%	1.947	-2.644	13.472	14,27	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	1.947	-19.525	7.985	24,07	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100%	27.112	-8.636	4.362	44,06	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 9a-10a	0%	7.678	29.449	6.103	4,89	PLS	29.867	149.255	0,000	765	4,70	555.431
	25,0%	3.085	17.451	18.876	1,58	PLS	29.867	149.255	0,000	765	4,70	555.431
	50,0%	3.085	-54	26.527	1,13	PLS	29.867	149.255	0,000	765	4,70	555.431
	75,0%	3.085	-17.558	18.781	1,59	PLS	29.867	149.255	0,000	765	4,70	555.431
	100%	3.085	-32.892	4.243	7,04	PLS	29.867	149.255	0,000	765	4,70	555.431
Trave Acciaio 2-6a	0%	1.938	53.354	35.744	5,38	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	1.938	52.560	20.508	9,37	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	52.152	35.980	6.991	27,49	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	1.938	50.798	9.207	20,88	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100,0 %	1.938	50.004	23.687	8,11	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 5a-6a	0%	-10.684	30.362	9.113	3,28	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-3.621	17.870	17.838	1,67	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-3.621	365	25.859	1,16	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-3.621	-17.139	18.481	1,62	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-3.621	-32.473	4.174	7,16	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 14a-18a	0%	2.489	-27.103	14.810	12,98	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	25,0%	2.489	-27.896	6.915	27,80	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	50,0%	48.934	-8.139	3.907	49,20	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	75,0%	48.934	-8.620	11.486	16,73	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
	100%	48.934	-9.057	19.203	10,01	PLS	192.207	403.477	0,000	2.067	7,00	2.175.347
Trave Acciaio 17a-18a	0%	-9.589	29.814	7.193	4,15	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-3.628	17.617	18.623	1,60	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-3.628	113	26.421	1,13	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-3.628	-17.392	18.821	1,59	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-3.628	-32.726	4.057	7,36	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 1a-2a	0%	-2.846	13.290	3.888	7,68	PLS	29.867	149.255	0,000	765	4,70	555.356
	25,0%	-656	7.805	7.878	3,79	PLS	29.867	149.255	0,000	765	4,70	555.356
	50,0%	-656	138	11.371	2,63	PLS	29.867	149.255	0,000	765	4,70	555.356
	75,0%	-656	-7.529	8.120	3,68	PLS	29.867	149.255	0,000	765	4,70	555.356
	100%	-656	-14.255	1.823	16,38	PLS	29.867	149.255	0,000	765	4,70	555.356
Trave Acciaio 10a-6	0%	1.072	1.406	2.000	45,74	PLS	91.489	1.048.221	0,000	5.370	22,00	2.174.913
	25,0%	1.072	1.406	1.909	47,92	PLS	91.489	1.048.221	0,000	5.370	22,00	2.174.913
	50,0%	1.957	-88.090	9.180	20,94	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	75,0%	1.957	-88.290	14.912	12,89	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
	100%	1.957	-88.489	20.658	9,30	PLS	192.207	403.477	0,000	2.067	7,00	2.174.913
Trave Acciaio 28a-32a	0%	7.413	-7.390	72.660	2,00	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	25,0%	7.413	-10.771	70.055	2,07	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	50,0%	7.413	-14.197	66.466	2,18	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	75,0%	7.413	-17.622	61.892	2,35	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
	100,0 %	7.413	-21.003	56.334	2,58	PLS	145.212	352.920	0,000	1.808	6,50	1.819.575
Trave Acciaio 24a-28a	0%	7.434	48.657	24.533	5,92	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	7.434	45.276	38.041	3,82	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	7.434	41.850	50.566	2,87	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	7.434	38.425	62.105	2,34	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	7.434	35.044	72.661	2,00	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 12-24a	0%	7.455	96.025	23.315	6,23	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,1%	7.455	95.424	11.093	13,09	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	5.237	5.078	1.149	59,97	PLS	68.904	880.740	0,000	4.512	20,00	1.820.009
	75,1%	7.455	92.385	12.853	11,30	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100,0 %	7.455	90.911	24.536	5,92	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 8-16a	0%	265.567	52.687	44.997	3,05	PLS	137.154	352.920	0,000	1.808	6,50	1.820.009
	25,1%	265.567	52.474	28.246	4,86	PLS	137.154	352.920	0,000	1.808	6,50	1.820.009
	50,0%	265.567	52.262	11.545	11,88	PLS	137.154	352.920	0,000	1.808	6,50	1.820.009
	75,1%	1.639	53.353	7.701	18,86	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100,0 %	265.567	51.860	21.718	6,32	PLS	137.154	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 16a-20a	0%	132.378	26.121	34.326	4,23	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	132.378	25.869	28.438	5,11	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	132.378	25.595	22.472	6,46	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	1.623	3.619	23.263	6,24	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	1.623	3.191	24.237	5,99	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 8a-12a	0%	147.223	-3.994	15.292	9,50	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	-12.190	19.342	8.228	17,65	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	147.223	-4.521	5.568	26,08	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	147.223	-4.794	11.541	12,58	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100%	147.223	-5.047	20.641	7,04	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
Trave Acciaio 4-8a	0%	-12.173	30.911	20.791	6,98	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	25,0%	-12.173	30.483	11.960	12,14	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	50,0%	98.679	25.048	6.010	24,16	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	75,0%	98.679	24.774	11.075	13,11	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009
	100,0 %	98.679	24.521	19.916	7,29	PLS	145.212	352.920	0,000	1.808	6,50	1.820.009

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
N_{Ed} Sforzo normale di progetto.
V_{Ed} Taglio di progetto utilizzato per il calcolo di ρ .
$M_{Ed,3}$ Momento flettente di progetto intorno a 3.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
Tp Vr Tipo di verifica considerata: "PLS" = con Modulo di resistenza plastico; "ELA" = con modulo di resistenza elastico; "EFF" = con modulo di resistenza efficace.
$M_{c,Rd}$ Momento resistente.
$V_{c,Rd}$ Taglio resistente.
ρ Coefficiente riduttivo per presenza di taglio.
A_v Area resistente a taglio.
t_w Spessore anima resistente a taglio.
$N_{pl,Rd}$ Resistenza plastica a Sforzo Normale.

TRAVI (AC) - VERIFICHE A TAGLIO (Elevazione) per pressoflessione retta

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
Piano Terra					**Piano Terra**		
Trave Acciaio 29a-14	0%	3,96	1.808	189,44	-42.175	166.886	-
	25,0%	5,93	1.808	74,83	-49.568	293.863	-
	50,0%	6,27	1.808	19,38	-54.033	338.615	-
	75,0%	4,14	1.808	134,72	-57.102	236.189	-
	100%	2,05	1.808	213,60	-60.820	124.572	-
Trave Acciaio 30a-15	0%	5,80	2.067	1,27	-69.418	402.423	-
	25,0%	5,73	2.067	1,27	-70.211	402.423	-
	50,0%	5,66	2.067	1,27	-71.092	402.423	-
	75,0%	5,59	2.067	1,27	-71.974	402.423	-
	100%	5,53	2.067	1,27	-72.767	402.423	-
Trave Acciaio 31a-16	0%	5,04	2.067	3,99	-79.460	400.162	-
	25,0%	4,99	2.067	3,99	-80.248	400.162	-
	50,0%	4,93	2.067	3,99	-81.130	400.162	-
	75,0%	4,88	2.067	3,99	-82.011	400.162	-
	100,0%	4,83	2.067	3,99	-82.799	400.162	-
Trave Acciaio 32a-17	0%	4,05	1.808	114,35	-63.466	257.252	-
	25,0%	4,59	1.808	59,55	-66.847	306.849	-
	50,0%	4,97	1.808	4,74	-70.273	349.477	-
	75,0%	4,27	1.808	50,07	-73.699	314.632	-
	100%	3,36	1.808	125,84	-73.062	245.596	-
Trave Acciaio 16-17	0%	8,79	966	0,00	21.433	188.485	-
	25,0%	16,73	966	0,00	11.269	188.485	-
	50,0%	NS	966	0,17	-155	188.419	-
	75,0%	16,70	966	0,17	-11.281	188.419	-
	100,0%	8,75	966	0,17	-21.543	188.419	-
Trave Acciaio 15-16	0%	8,46	765	0,24	17.641	149.183	-
	25,0%	15,99	765	0,24	9.332	149.183	-
	50,0%	NS	765	0,00	-201	149.255	-
	75,0%	15,74	765	0,24	-9.480	149.183	-
	100%	8,39	765	0,24	-17.790	149.183	-
Trave Acciaio 14-15	0%	8,95	765	0,00	16.677	149.255	-
	25,0%	16,89	765	0,00	8.838	149.255	-
	50,0%	NS	765	0,24	145	149.183	-
	75,0%	16,87	765	0,24	-8.844	149.183	-
	100,0%	9,00	765	0,24	-16.585	149.183	-
Trave Acciaio 1-2	0%	4,78	765	0,00	31.244	149.255	-
	25,0%	8,94	765	0,00	16.702	149.255	-
	50,0%	NS	765	0,47	618	149.111	-
	75,0%	9,26	765	0,00	-16.115	149.255	-
	100%	4,90	765	0,00	-30.474	149.255	-
Trave Acciaio 2-3	0%	4,58	765	0,00	32.617	149.255	-
	25,0%	8,63	765	0,00	17.302	149.255	-
	50,0%	NS	765	0,00	-328	149.255	-
	75,0%	8,48	765	0,00	-17.593	149.255	-
	100%	4,52	765	0,00	-32.987	149.255	-
Trave Acciaio 31a-32a	0%	4,40	966	0,17	42.823	188.419	-
	25,0%	8,29	966	0,17	22.726	188.419	-
	50,0%	NS	966	0,17	-577	188.419	-
	75,0%	8,50	966	0,17	-22.169	188.419	-
	100,0%	4,44	966	0,17	-42.463	188.419	-
Trave Acciaio 30a-31a	0%	4,29	765	0,00	34.774	149.255	-
	25,0%	8,15	765	0,00	18.310	149.255	-
	50,0%	NS	765	0,00	-332	149.255	-
	75,0%	7,87	765	0,00	-18.967	149.255	-
	100%	4,21	765	0,00	-35.431	149.255	-
Trave Acciaio 27a-31a	0%	45,50	2.067	0,24	8.864	403.278	-
	25,0%	47,84	2.067	0,24	8.429	403.278	-
	50,0%	50,74	2.067	0,24	7.948	403.278	-
	75,0%	50,49	2.067	0,24	-7.988	403.278	-
	100,0%	47,88	2.067	0,24	-8.423	403.278	-
Trave Acciaio 27a-28a	0%	4,40	966	0,00	42.867	188.485	-
	25,0%	8,28	966	0,00	22.770	188.485	-
	50,0%	NS	966	0,00	-585	188.485	-
	75,0%	8,51	966	0,00	-22.139	188.485	-
	100,0%	4,44	966	0,00	-42.433	188.485	-
Trave Acciaio 23a-27a	0%	4,81	2.067	0,45	83.771	403.107	-
	25,0%	4,86	2.067	0,45	82.983	403.107	-
	50,0%	4,91	2.067	0,45	82.101	403.107	-
	75,0%	4,96	2.067	0,45	81.220	403.107	-
	100%	5,01	2.067	0,45	80.432	403.107	-
Trave Acciaio 26a-27a	0%	4,29	765	0,00	34.758	149.255	-
	25,0%	8,16	765	0,00	18.294	149.255	-
	50,0%	NS	765	0,00	-378	149.255	-
	75,0%	7,86	765	0,00	-18.983	149.255	-
	100%	4,21	765	0,00	-35.447	149.255	-
Trave Acciaio 23a-24a	0%	4,39	966	0,34	42.897	188.353	-
	25,0%	8,26	966	0,34	22.800	188.353	-
	50,0%	NS	966	0,34	538	188.353	-
	75,0%	8,57	966	0,51	-21.959	188.287	-
	100,0%	4,46	966	0,51	-42.254	188.287	-
Trave Acciaio 11-23a	0%	2,40	2.067	13,91	163.527	391.808	-
	25,1%	2,40	2.067	13,91	163.136	391.808	-

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
	50,0%	2,41	2.067	13,91	162.745	391.808	-
	75,1%	2,41	2.067	13,91	162.354	391.808	-
	100,0%	2,42	2.067	13,91	162.056	391.808	-
Trave Acciaio 22a-23a	0%	4,29	765	0,00	34.809	149.255	-
	25,0%	8,14	765	0,00	18.345	149.255	-
	50,0%	NS	765	0,00	-488	149.255	-
	75,0%	7,89	765	0,00	-18.924	149.255	-
	100%	4,22	765	0,00	-35.389	149.255	-
Trave Acciaio 7-15a	0%	6,80	2.067	11,57	57.936	393.797	-
	25,1%	6,88	2.067	11,57	57.254	393.797	-
	50,0%	6,96	2.067	11,57	56.572	393.797	-
	75,1%	7,05	2.067	11,57	55.890	393.797	-
	100,0%	7,12	2.067	11,57	55.301	393.797	-
Trave Acciaio 14a-15a	0%	4,33	765	0,00	34.492	149.255	-
	25,0%	8,28	765	0,00	18.028	149.255	-
	50,0%	NS	765	0,00	-616	149.255	-
	75,0%	7,75	765	0,00	-19.248	149.255	-
	100%	4,18	765	0,00	-35.712	149.255	-
Trave Acciaio 7a-11a	0%	16,68	2.067	1,07	-24.143	402.594	-
	25,0%	16,15	2.067	1,07	-24.931	402.594	-
	50,0%	15,60	2.067	1,07	-25.812	402.594	-
	75,0%	15,08	2.067	1,07	-26.693	402.594	-
	100%	14,65	2.067	1,07	-27.481	402.594	-
Trave Acciaio 10a-11a	0%	4,32	765	0,00	34.569	149.255	-
	25,0%	8,24	765	0,00	18.105	149.255	-
	50,0%	NS	765	0,00	-583	149.255	-
	75,0%	7,78	765	0,00	-19.173	149.255	-
	100%	4,19	765	0,00	-35.637	149.255	-
Trave Acciaio 3-7a	0%	6,11	2.067	6,64	65.112	397.945	-
	25,0%	6,19	2.067	6,64	64.324	397.945	-
	50,0%	6,27	2.067	6,64	63.443	397.945	-
	75,0%	6,36	2.067	6,64	62.561	397.945	-
	100,0%	6,44	2.067	6,64	61.773	397.945	-
Trave Acciaio 6a-7a	0%	4,33	765	0,00	34.500	149.255	-
	25,0%	8,28	765	0,00	18.036	149.255	-
	50,0%	NS	765	0,00	-599	149.255	-
	75,0%	7,76	765	0,00	-19.234	149.255	-
	100%	4,18	765	0,00	-35.698	149.255	-
Trave Acciaio 25a-29a	0%	14,63	1.808	214,37	8.405	122.987	-
	25,0%	34,43	1.808	54,47	9.033	311.045	-
	50,0%	39,86	1.808	0,77	-8.841	352.364	-
	75,0%	27,13	1.808	55,49	-11.433	310.204	-
	100,0%	9,88	1.808	217,53	-11.763	116.247	-
Trave Acciaio 21a-25a	0%	1,45	1.808	229,86	58.500	84.949	-
	25,0%	4,67	1.808	121,74	53.545	249.818	-
	50,0%	6,90	1.808	11,06	50.009	344.832	-
	75,0%	6,29	1.808	83,24	45.543	286.467	-
	100%	3,77	1.808	202,54	38.614	145.470	-
Trave Acciaio 9-21a	0%	2,57	1.808	122,68	97.007	248.857	-
	25,1%	3,10	1.808	74,74	94.795	293.937	-
	50,0%	3,54	1.808	15,45	96.455	341.562	-
	75,1%	3,53	1.808	26,38	94.474	333.297	-
	100,0%	3,24	1.808	68,17	92.533	299.591	-
Trave Acciaio 5-13a	0%	4,57	1.808	188,03	37.026	169.027	-
	25,1%	6,58	1.808	50,37	47.757	314.390	-
	50,0%	7,59	1.808	7,98	45.750	347.099	-
	75,1%	7,46	1.808	35,30	43.743	326.393	-
	100,0%	6,98	1.808	77,69	41.756	291.369	-
Trave Acciaio 5a-9a	0%	13,12	1.808	103,47	-20.414	267.834	-
	25,0%	13,74	1.808	48,66	-22.989	315.773	-
	50,0%	13,60	1.808	6,87	-25.582	347.914	-
	75,0%	10,83	1.808	61,64	-28.176	305.104	-
	100%	3,11	1.808	230,03	-27.130	84.434	-
Trave Acciaio 1-5a	0%	1,33	1.808	239,55	35.889	47.646	-
	25,0%	6,41	1.808	127,16	38.070	244.217	-
	50,0%	9,79	1.808	8,11	35.437	347.005	-
	75,0%	9,64	1.808	47,77	32.844	316.497	-
	100,0%	6,66	1.808	197,51	23.131	154.054	-
Trave Acciaio 15a-19a	0%	13,10	2.067	0,14	-30.789	403.363	-
	25,0%	12,77	2.067	0,14	-31.577	403.363	-
	50,0%	12,43	2.067	0,14	-32.459	403.363	-
	75,0%	12,10	2.067	0,14	-33.340	403.363	-
	100%	11,82	2.067	0,14	-34.128	403.363	-
Trave Acciaio 18a-19a	0%	4,32	765	0,00	34.539	149.255	-
	25,0%	8,26	765	0,00	18.075	149.255	-
	50,0%	NS	765	0,00	-641	149.255	-
	75,0%	7,77	765	0,00	-19.199	149.255	-
	100%	4,19	765	0,00	-35.663	149.255	-
Trave Acciaio 13a-17a	0%	7,45	1.808	107,99	-35.346	263.487	-
	25,0%	8,23	1.808	53,23	-37.920	312.059	-
	50,0%	8,65	1.808	3,29	-40.513	350.535	-
	75,0%	7,15	1.808	58,05	-43.106	308.089	-
	100%	3,79	1.808	221,28	-28.381	107.685	-

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
Trave Acciaio 9a-5	0%	5,48	1.808	32,61	-59.996	328.490	-
	25,0%	5,65	1.808	11,31	-60.966	344.642	-
	50,0%	5,58	1.808	10,03	-61.976	345.589	-
	75,0%	5,23	1.808	31,37	-62.987	329.450	-
	100%	4,80	1.808	75,55	-61.059	293.232	-
Trave Acciaio 17a-9	0%	4,55	1.808	90,15	-61.524	280.238	-
	25,0%	4,91	1.808	23,78	-68.218	335.285	-
	50,0%	4,96	1.808	10,07	-69.661	345.558	-
	75,0%	4,29	1.808	84,52	-66.492	285.323	-
	100%	3,25	1.808	144,70	-69.268	225.136	-
Trave Acciaio 20a-13	0%	6,52	1.808	33,81	-50.243	327.560	-
	24,9%	6,50	1.808	33,81	-50.372	327.560	-
	50,0%	6,48	1.808	33,81	-50.523	327.560	-
	75,0%	6,46	1.808	33,81	-50.674	327.560	-
	100%	6,45	1.808	33,81	-50.807	327.560	-
Trave Acciaio 1a-1	0%	14,82	1.808	147,22	-14.998	222.263	-
	25,0%	15,89	1.808	79,44	-18.239	289.832	-
	50,0%	15,86	1.808	2,65	-22.126	351.001	-
	75,0%	10,62	1.808	98,65	-25.640	272.391	-
	100%	5,40	1.808	192,77	-29.948	161.714	-
Trave Acciaio 3a-3	0%	10,67	2.067	1,34	-37.727	402.365	-
	25,0%	10,48	2.067	1,34	-38.400	402.365	-
	50,0%	10,27	2.067	1,34	-39.166	402.365	-
	75,0%	10,08	2.067	1,34	-39.933	402.365	-
	100%	9,91	2.067	1,34	-40.606	402.365	-
Trave Acciaio 2a-3a	0%	9,88	765	0,00	15.107	149.255	-
	25,0%	18,93	765	0,00	7.886	149.255	-
	50,0%	NS	765	0,00	-277	149.255	-
	75,0%	17,69	765	0,00	-8.439	149.255	-
	100%	9,53	765	0,00	-15.661	149.255	-
Trave Acciaio 19a-11	0%	3,23	2.067	20,11	-119.635	386.496	-
	25,0%	3,22	2.067	20,11	-120.033	386.496	-
	50,0%	3,21	2.067	20,11	-120.523	386.496	-
	75,0%	3,19	2.067	20,11	-121.014	386.496	-
	100%	3,18	2.067	20,11	-121.504	386.496	-
Trave Acciaio 4a-4	0%	16,41	1.808	9,78	-21.077	345.778	-
	25,0%	16,12	1.808	9,78	-21.444	345.778	-
	50,0%	15,82	1.808	9,78	-21.855	345.778	-
	75,0%	15,53	1.808	9,78	-22.266	345.778	-
	100%	15,28	1.808	9,78	-22.632	345.778	-
Trave Acciaio 12a-8	0%	3,82	1.808	107,65	-68.992	263.817	-
	25,0%	3,82	1.808	107,65	-69.054	263.817	-
	50,0%	3,81	1.808	107,65	-69.161	263.817	-
	75,0%	3,81	1.808	107,65	-69.268	263.817	-
	100%	3,80	1.808	107,65	-69.375	263.817	-
Trave Acciaio 3a-4a	0%	8,54	966	0,00	22.068	188.485	-
	25,0%	16,01	966	0,00	11.773	188.485	-
	50,0%	NS	966	0,00	541	188.485	-
	75,0%	17,62	966	0,00	-10.697	188.485	-
	100,0%	8,94	966	0,00	-21.077	188.485	-
Trave Acciaio 3-4	0%	4,10	966	0,00	45.969	188.485	-
	25,0%	7,82	966	0,00	24.094	188.485	-
	50,0%	NS	966	0,34	360	188.353	-
	75,0%	7,94	966	0,00	-23.750	188.485	-
	100%	4,11	966	0,00	-45.810	188.485	-
Trave Acciaio 15a-16a	0%	3,75	966	0,17	50.197	188.419	-
	25,0%	7,04	966	0,17	26.770	188.419	-
	50,0%	NS	966	0,17	1.180	188.419	-
	75,0%	7,72	966	0,17	-24.416	188.419	-
	100,0%	3,92	966	0,17	-48.040	188.419	-
Trave Acciaio 11a-12a	0%	3,77	966	0,00	49.962	188.485	-
	25,0%	7,10	966	0,00	26.535	188.485	-
	50,0%	NS	966	0,00	945	188.485	-
	75,0%	7,65	966	0,00	-24.653	188.485	-
	100,0%	3,90	966	0,00	-48.276	188.485	-
Trave Acciaio 7a-8a	0%	3,75	966	0,00	50.218	188.485	-
	25,0%	7,04	966	0,00	26.791	188.485	-
	50,0%	NS	966	0,00	1.201	188.485	-
	75,0%	7,72	966	0,00	-24.400	188.485	-
	100,0%	3,92	966	0,00	-48.023	188.485	-
Trave Acciaio 19a-20a	0%	3,78	966	0,17	49.861	188.419	-
	25,0%	7,13	966	0,17	26.434	188.419	-
	50,0%	NS	966	0,17	843	188.419	-
	75,0%	7,61	966	0,17	-24.759	188.419	-
	100,0%	4,15	966	0,17	-45.380	188.419	-
Trave Acciaio 12-13	0%	15,65	966	7,01	11.869	185.758	-
	24,9%	16,41	966	7,01	11.320	185.758	-
	50,0%	17,24	966	7,01	10.772	185.758	-
	74,9%	18,17	966	7,01	10.223	185.758	-
	100%	18,60	966	7,01	9.986	185.758	-
Trave Acciaio 11a-7	0%	3,31	2.067	34,08	-113.080	374.237	-
	25,0%	3,31	2.067	34,08	-113.186	374.237	-
	50,0%	3,30	2.067	34,08	-113.385	374.237	-

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
	75,0%	3,29	2.067	34,08	-113.584	374.237	-
	100%	3,29	2.067	34,08	-113.784	374.237	-
Trave Acciaio 18a-10	0%	4,12	2.067	1,48	-97.717	402.251	-
	25,0%	4,10	2.067	1,48	-98.120	402.251	-
	50,0%	4,08	2.067	1,48	-98.610	402.251	-
	75,0%	4,06	2.067	1,48	-99.101	402.251	-
	100%	4,04	2.067	1,48	-99.591	402.251	-
Trave Acciaio 29a-30a	0%	4,36	765	0,00	34.212	149.255	-
	25,0%	7,99	765	0,00	18.681	149.255	-
	50,0%	73,93	765	0,24	2.018	149.183	-
	75,0%	8,72	765	0,00	-17.126	149.255	-
	100%	4,60	765	0,00	-32.460	149.255	-
Trave Acciaio 26a-30a	0%	50,33	2.067	0,17	8.014	403.335	-
	25,0%	53,23	2.067	0,17	7.577	403.335	-
	50,0%	51,95	2.067	0,17	-7.764	403.335	-
	75,0%	48,92	2.067	0,17	-8.244	403.335	-
	100,0%	46,46	2.067	0,17	-8.682	403.335	-
Trave Acciaio 2a-2	0%	13,71	2.067	1,24	-29.361	402.451	-
	25,0%	13,40	2.067	1,24	-30.040	402.451	-
	50,0%	13,06	2.067	1,24	-30.806	402.451	-
	75,0%	12,75	2.067	1,24	-31.573	402.451	-
	100%	12,48	2.067	1,24	-32.251	402.451	-
Trave Acciaio 22a-26a	0%	5,61	2.067	1,65	71.725	402.108	-
	25,0%	5,67	2.067	1,65	70.931	402.108	-
	50,0%	5,74	2.067	1,65	70.050	402.108	-
	75,0%	5,81	2.067	1,65	69.169	402.108	-
	100%	5,88	2.067	1,65	68.375	402.108	-
Trave Acciaio 25a-26a	0%	4,36	765	0,00	34.266	149.255	-
	25,0%	7,97	765	0,00	18.735	149.255	-
	50,0%	70,30	765	0,00	2.123	149.255	-
	75,0%	8,72	765	0,00	-17.117	149.255	-
	100%	4,60	765	0,00	-32.451	149.255	-
Trave Acciaio 10-22a	0%	2,86	2.067	1,76	140.783	402.023	-
	25,1%	2,86	2.067	1,76	140.392	402.023	-
	50,0%	2,87	2.067	1,76	140.001	402.023	-
	75,1%	2,88	2.067	1,76	139.610	402.023	-
	100,0%	2,89	2.067	1,76	139.307	402.023	-
Trave Acciaio 21a-22a	0%	4,44	765	0,00	33.632	149.255	-
	25,0%	8,25	765	0,00	18.100	149.255	-
	50,0%	NS	765	0,24	1.235	149.183	-
	75,0%	8,56	765	0,00	-17.439	149.255	-
	100%	4,55	765	0,00	-32.774	149.255	-
Trave Acciaio 6-14a	0%	9,42	2.067	2,13	42.650	401.708	-
	25,1%	9,57	2.067	2,13	41.968	401.708	-
	50,0%	9,73	2.067	2,13	41.286	401.708	-
	75,1%	9,89	2.067	2,13	40.604	401.708	-
	100,0%	10,04	2.067	2,13	40.010	401.708	-
Trave Acciaio 13a-14a	0%	4,40	765	0,00	33.950	149.255	-
	25,0%	8,10	765	0,00	18.419	149.255	-
	50,0%	87,95	765	0,00	1.697	149.255	-
	75,0%	8,63	765	0,00	-17.286	149.255	-
	100%	4,58	765	0,00	-32.620	149.255	-
Trave Acciaio 6a-10a	0%	23,77	2.067	0,14	-16.969	403.363	-
	25,0%	22,71	2.067	0,14	-17.762	403.363	-
	50,0%	21,64	2.067	0,14	-18.644	403.363	-
	75,0%	20,66	2.067	0,14	-19.525	403.363	-
	100%	19,85	2.067	0,14	-20.318	403.363	-
Trave Acciaio 9a-10a	0%	4,46	765	0,00	33.430	149.255	-
	25,0%	8,34	765	0,00	17.899	149.255	-
	50,0%	NS	765	0,00	982	149.255	-
	75,0%	8,50	765	0,00	-17.558	149.255	-
	100%	4,54	765	0,00	-32.892	149.255	-
Trave Acciaio 2-6a	0%	7,54	2.067	1,65	53.354	402.108	-
	25,0%	7,65	2.067	1,65	52.560	402.108	-
	50,0%	7,78	2.067	1,65	51.679	402.108	-
	75,0%	7,92	2.067	1,65	50.798	402.108	-
	100,0%	8,04	2.067	1,65	50.004	402.108	-
Trave Acciaio 5a-6a	0%	4,37	765	0,00	34.177	149.255	-
	25,0%	8,01	765	0,00	18.645	149.255	-
	50,0%	76,19	765	0,00	1.959	149.255	-
	75,0%	8,71	765	0,00	-17.139	149.255	-
	100%	4,60	765	0,00	-32.473	149.255	-
Trave Acciaio 14a-18a	0%	14,85	2.067	1,07	-27.103	402.594	-
	25,0%	14,43	2.067	1,07	-27.896	402.594	-
	50,0%	13,99	2.067	1,07	-28.778	402.594	-
	75,0%	13,57	2.067	1,07	-29.659	402.594	-
	100%	13,22	2.067	1,07	-30.452	402.594	-
Trave Acciaio 17a-18a	0%	4,43	765	0,00	33.729	149.255	-
	25,0%	8,20	765	0,00	18.197	149.255	-
	50,0%	NS	765	0,00	1.374	149.255	-
	75,0%	8,58	765	0,00	-17.392	149.255	-
	100%	4,56	765	0,00	-32.726	149.255	-
Trave Acciaio 1a-2a	0%	9,98	765	0,00	14.950	149.255	-

Travi (AC) - Verifiche a taglio

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
	25,0%	18,34	765	0,00	8.138	149.255	-
	50,0%	NS	765	0,00	829	149.255	-
	75,0%	19,82	765	0,00	-7.529	149.255	-
	100%	10,47	765	0,00	-14.255	149.255	-
Trave Acciaio 10a-6	0%	4,53	2.067	6,61	-87.780	397.974	-
	25,0%	4,53	2.067	6,61	-87.891	397.974	-
	50,0%	4,52	2.067	6,61	-88.090	397.974	-
	75,0%	4,51	2.067	6,61	-88.290	397.974	-
	100%	4,50	2.067	6,61	-88.489	397.974	-
Trave Acciaio 28a-32a	0%	22,50	1.808	63,99	-13.473	303.134	-
	25,0%	21,30	1.808	32,14	-15.439	328.854	-
	50,0%	20,24	1.808	0,34	-17.428	352.673	-
	75,0%	16,96	1.808	31,67	-19.416	329.218	-
	100,0%	11,87	1.808	125,62	-20.717	245.817	-
Trave Acciaio 24a-28a	0%	5,14	1.808	130,92	46.721	240.259	-
	25,0%	6,80	1.808	58,52	45.276	307.700	-
	50,0%	8,37	1.808	3,71	41.850	350.224	-
	75,0%	8,17	1.808	51,09	38.425	313.800	-
	100%	7,58	1.808	105,90	35.044	265.505	-
Trave Acciaio 12-24a	0%	3,58	1.808	12,81	96.025	343.534	-
	25,1%	3,66	1.808	5,55	95.424	348.884	-
	50,0%	3,61	1.808	18,78	93.905	339.065	-
	75,1%	3,47	1.808	43,07	92.385	320.261	-
	100,0%	3,30	1.808	67,40	90.911	300.245	-
Trave Acciaio 8-16a	0%	5,95	1.808	38,55	54.451	323.847	-
	25,1%	5,99	1.808	38,55	54.085	323.847	-
	50,0%	6,03	1.808	38,55	53.719	323.847	-
	75,1%	6,07	1.808	38,55	53.353	323.847	-
	100,0%	6,11	1.808	38,55	53.032	323.847	-
Trave Acciaio 16a-20a	0%	13,47	1.808	1,45	26.121	351.869	-
	25,0%	13,60	1.808	1,45	25.869	351.869	-
	50,0%	13,75	1.808	1,45	25.595	351.869	-
	75,0%	13,90	1.808	1,45	25.321	351.869	-
	100%	14,04	1.808	1,45	25.068	351.869	-
Trave Acciaio 8a-12a	0%	18,41	1.808	6,10	-18.927	348.478	-
	25,0%	18,00	1.808	6,10	-19.355	348.478	-
	50,0%	17,58	1.808	6,10	-19.828	348.478	-
	75,0%	17,17	1.808	6,10	-20.301	348.478	-
	100%	16,81	1.808	6,10	-20.729	348.478	-
Trave Acciaio 4-8a	0%	10,77	1.808	26,76	30.911	333.002	-
	25,0%	10,92	1.808	26,76	30.483	333.002	-
	50,0%	11,10	1.808	26,76	30.010	333.002	-
	75,0%	11,27	1.808	26,76	29.537	333.002	-
	100,0%	11,44	1.808	26,76	29.109	333.002	-

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
A_v Area resistente a taglio.
$\tau_{T,Ed}$ Tensione tangenziale di calcolo per torsione.
V_{Ed} Taglio di progetto.
$V_{c,Rd}$ Taglio resistente.
P. Vrf. Piano di minima resistenza.

TRAVI (AC) - VERIFICHE A PRESSOFLESSIONE (Elevazione) allo SLD

Travi (AC) - Verifiche a pressoflessione

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
Piano Terra							**Piano Terra**					
Trave Acciaio 29a-14	0%	40.367	-23.712	27.864	5,47	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	23.475	-25.006	18.396	8,29	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	40.367	-28.876	10.376	14,69	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	40.367	-31.468	2.998	50,86	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	40.367	-33.414	14.751	10,34	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 30a-15	0%	15.740	-37.697	40.957	4,93	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	-1.360	-39.895	28.713	7,03	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	29.263	-	17.656	11,43	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
			38.918									
	75,0%	32.229	-38.310	6.831	29,54	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100%	32.229	-38.748	12.337	16,36	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 31a-16	0%	16.457	-42.651	48.048	4,20	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	25	-44.768	33.685	5,99	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	28.044	-45.588	20.376	9,90	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	31.544	-44.231	7.777	25,95	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100,0 %	31.544	-44.666	13.152	15,35	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 32a-17	0%	24.040	-33.231	33.992	4,49	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	27.753	-36.317	22.907	6,66	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	34.731	-36.564	12.679	12,03	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	34.731	-38.552	5.190	29,38	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	34.731	-40.519	19.251	7,92	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 16-17	0%	424	12.691	1.987	22,14	PLS	43.984	197.909	0,000	966	5,00	679.135
	25,0%	424	6.686	9.325	4,72	PLS	43.984	197.909	0,000	966	5,00	679.135
	50,0%	424	47	12.956	3,39	PLS	43.984	197.909	0,000	966	5,00	679.135
	75,0%	424	-6.592	9.291	4,73	PLS	43.984	197.909	0,000	966	5,00	679.135
	100,0 %	424	-12.655	2.086	21,09	PLS	43.984	197.909	0,000	966	5,00	679.135
Trave Acciaio 15-16	0%	447	10.478	1.445	21,70	PLS	31.361	156.718	0,000	765	4,70	555.431
	25,0%	447	5.569	6.468	4,85	PLS	31.361	156.718	0,000	765	4,70	555.431
	50,0%	447	23	8.951	3,50	PLS	31.361	156.718	0,000	765	4,70	555.431
	75,0%	447	-5.523	6.374	4,92	PLS	31.361	156.718	0,000	765	4,70	555.431
	100%	447	-10.431	1.630	19,24	PLS	31.361	156.718	0,000	765	4,70	555.431
Trave Acciaio 14-15	0%	942	9.913	1.439	21,79	PLS	31.361	156.718	0,000	765	4,70	555.431
	25,0%	942	5.283	5.596	5,60	PLS	31.361	156.718	0,000	765	4,70	555.431
	50,0%	942	73	7.834	4,00	PLS	31.361	156.718	0,000	765	4,70	555.431
	75,0%	942	-5.136	5.600	5,60	PLS	31.361	156.718	0,000	765	4,70	555.431
	100,0 %	942	-9.708	1.402	22,37	PLS	31.361	156.718	0,000	765	4,70	555.431
Trave Acciaio 1-2	0%	5.178	18.563	3.194	9,82	PLS	31.361	156.718	0,000	765	4,70	555.431
	25,0%	5.178	10.001	10.093	3,11	PLS	31.361	156.718	0,000	765	4,70	555.431
	50,0%	5.178	405	14.349	2,19	PLS	31.361	156.718	0,000	765	4,70	555.431
	75,0%	5.178	-9.192	10.454	3,00	PLS	31.361	156.718	0,000	765	4,70	555.431
	100%	5.178	-17.646	2.339	13,41	PLS	31.361	156.718	0,000	765	4,70	555.431
Trave Acciaio 2-3	0%	2.625	19.318	2.895	10,83	PLS	31.361	156.718	0,000	765	4,70	555.431
	25,0%	2.625	10.300	11.747	2,67	PLS	31.361	156.718	0,000	765	4,70	555.431
	50,0%	2.453	40	16.378	1,91	PLS	31.361	156.718	0,000	765	4,70	555.431
	75,0%	2.625	-10.205	11.585	2,71	PLS	31.361	156.718	0,000	765	4,70	555.431
	100%	2.625	-19.269	3.135	10,00	PLS	31.361	156.718	0,000	765	4,70	555.431
Trave Acciaio 31a-32a	0%	531	25.007	3.342	13,16	PLS	43.984	197.909	0,000	966	5,00	679.135
	25,0%	531	13.17	18.709	2,35	PLS	43.984	197.909	0,000	966	5,00	679.135

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	50,0%	531	472	26.107	1,68	PLS	43.984	197.909	0,000	966	5,00	679.135
	75,0%	531	-13.029	18.843	2,33	PLS	43.984	197.909	0,000	966	5,00	679.135
	100,0%	531	-24.977	3.061	14,37	PLS	43.984	197.909	0,000	966	5,00	679.135
Trave Acciaio 30a-31a	0%	-677	20.525	2.599	12,07	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	-677	10.828	12.705	2,47	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	-642	-177	17.612	1,78	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	-677	-11.115	12.340	2,54	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	-677	-20.812	3.331	9,41	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 27a-31a	0%	27.819	4.641	48.906	4,13	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	21.657	2.570	47.969	4,21	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	21.657	2.089	47.342	4,26	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	5.966	1.661	47.509	4,25	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100,0%	19.370	2.838	48.281	4,18	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 27a-28a	0%	2.209	25.031	3.355	13,11	PLS	43.984	197.909	0,000	966	5,00	679.135
	25,0%	2.209	13.199	18.752	2,35	PLS	43.984	197.909	0,000	966	5,00	679.135
	50,0%	2.209	97	26.163	1,68	PLS	43.984	197.909	0,000	966	5,00	679.135
	75,0%	1.533	-13.010	18.914	2,33	PLS	43.984	197.909	0,000	966	5,00	679.135
	100,0%	2.209	-24.952	2.981	14,75	PLS	43.984	197.909	0,000	966	5,00	679.135
Trave Acciaio 23a-27a	0%	39.686	52.526	14.452	13,96	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	25,0%	39.686	52.091	7.212	27,98	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	50,0%	39.686	51.611	19.273	10,47	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	75,0%	39.686	51.130	32.473	6,21	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	100%	39.686	50.695	47.840	4,22	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
Trave Acciaio 26a-27a	0%	-467	20.545	2.644	11,86	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	-467	10.848	12.733	2,46	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	-437	-176	17.604	1,78	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	-467	-11.095	12.351	2,54	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	-467	-20.792	3.411	9,19	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 23a-24a	0%	954	25.130	3.305	13,31	PLS	43.984	197.909	0,000	966	5,00	679.278
	25,0%	954	13.297	18.965	2,32	PLS	43.984	197.909	0,000	966	5,00	679.278
	50,0%	954	196	26.486	1,66	PLS	43.984	197.909	0,000	966	5,00	679.278
	75,0%	954	-12.906	19.334	2,27	PLS	43.984	197.909	0,000	966	5,00	679.278
	100,0%	954	-24.854	2.436	18,06	PLS	43.984	197.909	0,000	966	5,00	679.278
Trave Acciaio 11-23a	0%	51.081	99.739	62.763	3,22	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,1%	51.081	99.526	48.588	4,15	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	32.453	98.490	34.616	5,83	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,1%	51.081	99.100	23.322	8,65	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100,0%	51.081	98.932	13.224	15,26	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 22a-23a	0%	6.870	20.647	2.943	10,66	PLS	31.361	156.718	0,000	765	4,70	555.431
	25,0%	6.870	10.950	12.654	2,48	PLS	31.361	156.718	0,000	765	4,70	555.431
	50,0%	6.870	-21	17.495	1,79	PLS	31.361	156.718	0,000	765	4,70	555.431

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	75,0%	6.870	-10.993	12.338	2,54	PLS	31.361	156.718	0,000	765	4,70	555.431
	100%	6.870	-20.690	3.584	8,75	PLS	31.361	156.718	0,000	765	4,70	555.431
Trave Acciaio 7-15a	0%	9.019	38.255	20.063	10,06	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,1%	9.019	37.883	11.510	17,53	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	9.019	37.512	3.039	66,41	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,1%	9.019	37.140	5.349	37,73	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100,0%	9.019	36.813	13.655	14,78	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 14a-15a	0%	805	20.427	2.759	11,37	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	805	10.730	12.606	2,49	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	399	-246	17.299	1,81	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	805	-11.213	11.903	2,63	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	805	-20.910	4.082	7,68	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 7a-11a	0%	4.943	-12.534	19.258	10,48	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	25,0%	4.943	-12.969	14.589	13,83	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	50,0%	8.788	-14.749	10.180	19,82	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	75,0%	9.736	-14.371	6.228	32,40	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	100%	9.736	-1.696	1.359	70,69	PLS	96.063	1.100.632	0,000	5.370	22,00	2.174.913
Trave Acciaio 10a-11a	0%	3.411	20.476	2.800	11,20	PLS	31.361	156.718	0,000	765	4,70	555.431
	25,0%	3.411	10.779	12.630	2,48	PLS	31.361	156.718	0,000	765	4,70	555.431
	50,0%	3.411	-192	17.355	1,81	PLS	31.361	156.718	0,000	765	4,70	555.431
	75,0%	3.411	-11.164	12.000	2,61	PLS	31.361	156.718	0,000	765	4,70	555.431
	100%	3.411	-20.861	3.946	7,95	PLS	31.361	156.718	0,000	765	4,70	555.431
Trave Acciaio 3-7a	0%	11.753	39.798	26.227	7,70	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	8.835	39.025	14.856	13,58	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	8.835	38.545	3.674	54,93	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	2.849	36.947	8.305	24,30	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100,0%	8.529	37.366	19.034	10,60	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 6a-7a	0%	-891	20.403	2.703	11,60	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	-891	10.706	12.563	2,50	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	-891	-265	17.289	1,81	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	-891	-11.237	11.893	2,64	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	-891	-20.934	4.012	7,82	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 25a-29a	0%	23.282	7.474	30.129	5,06	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	9.956	3.823	29.907	5,10	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	21.369	-295	29.394	5,19	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	21.369	-2.887	29.227	5,22	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100,0%	29.427	-3.677	28.831	5,29	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 21a-25a	0%	36.113	37.369	9.931	15,35	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	25,0%	30.171	33.716	5.507	27,69	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	50,0%	30.171	31.12	13.291	11,47	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	75,0%	22.081	3 29.209	21.252	7,17	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	100%	22.081	26.636	29.424	5,18	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
Trave Acciaio 9-21a	0%	42.427	61.524	38.479	3,96	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	25,1%	42.427	60.374	29.542	5,16	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	50,0%	41.517	58.235	20.808	7,33	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	75,1%	42.427	58.075	14.631	10,42	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	100,0 %	42.427	56.945	9.152	16,66	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
Trave Acciaio 5-13a	0%	124.766	34.680	24.578	6,20	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,1%	124.766	32.673	15.369	9,92	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	124.766	30.666	6.605	23,08	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,1%	111.618	26.905	3.702	41,19	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100,0 %	124.766	26.672	9.584	15,91	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 5a-9a	0%	78.991	1.718	11.791	12,93	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	78.991	-857	8.625	17,68	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	78.991	-3.450	9.095	16,76	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	78.991	-6.044	8.820	17,29	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	78.991	-8.618	12.378	12,32	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 1-5a	0%	31.873	32.214	14.864	10,26	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	31.873	29.640	7.276	20,96	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	31.873	27.046	3.124	48,81	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	31.873	24.453	9.599	15,88	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100,0 %	31.873	21.878	16.263	9,38	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 15a-19a	0%	12.286	- 16.730	12.917	15,62	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	3.478	- 19.017	7.319	27,57	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	14.226	- 15.990	2.619	77,06	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	18.072	- 16.238	6.193	32,59	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100%	18.072	- 16.673	12.814	15,75	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 18a-19a	0%	8.614	20.481	2.937	10,68	PLS	31.361	156.718	0,000	765	4,70	555.431
	25,0%	8.614	10.784	12.572	2,49	PLS	31.361	156.718	0,000	765	4,70	555.431
	50,0%	8.520	-196	17.264	1,82	PLS	31.361	156.718	0,000	765	4,70	555.431
	75,0%	8.614	- 11.159	11.876	2,64	PLS	31.361	156.718	0,000	765	4,70	555.431
	100%	8.614	- 20.856	4.107	7,64	PLS	31.361	156.718	0,000	765	4,70	555.431
Trave Acciaio 13a-17a	0%	51.345	7.478	16.601	9,18	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	51.345	4.904	10.582	14,41	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	37.131	595	4.059	37,56	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	38.542	-7.045	4.401	34,64	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	51.345	-2.855	11.944	12,77	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 9a-5	0%	107.163	- 28.961	9.701	15,72	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	107.163	- 29.528	7.904	19,29	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	107.163	- 30.114	7.731	19,72	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	107.163	- 30.700	14.214	10,73	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	100%	107.163	-31.287	20.735	7,35	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 17a-9	0%	36.957	-22.153	9.839	15,50	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	40.040	-30.454	13.750	11,09	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	36.957	-25.020	20.944	7,28	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	36.957	-26.463	29.730	5,13	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	36.957	-27.906	38.747	3,94	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 20a-13	0%	3.663	-13.238	18.066	8,44	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	24,9%	3.663	-13.367	12.293	12,40	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	3.873	-18.534	6.530	23,35	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	3.663	-13.669	4.056	37,59	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	3.663	-13.802	5.167	29,51	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 1a-1	0%	3.322	-7.715	317	NS	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	3.322	-9.600	2.442	62,44	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	3.322	-11.856	5.618	27,14	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	3.322	-14.111	9.428	16,17	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	3.322	-16.348	13.800	11,05	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 3a-3	0%	1.477	-21.725	155	NS	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	1.477	-22.098	5.628	35,86	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	1.477	-22.515	11.442	17,64	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	1.477	-22.933	17.397	11,60	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100%	1.477	-23.306	23.454	8,60	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 2a-3a	0%	917	8.946	1.166	26,90	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	917	4.681	5.498	5,70	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	2.487	-165	7.586	4,13	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	2.651	-4.965	5.197	6,03	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	917	-9.215	1.778	17,64	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 19a-11	0%	29.693	-68.043	11.617	17,37	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	25,0%	29.693	-68.265	21.722	9,29	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	50,0%	27.201	-68.931	32.906	6,13	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	75,0%	27.201	-69.198	45.289	4,46	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	100%	29.693	-69.067	57.789	3,49	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
Trave Acciaio 4a-4	0%	4.081	-11.057	390	NS	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	4.081	-	3.179	47,96	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	50,0%	4.081	11.274 - 11.512	6.630	23,00	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	4.081	11.750	10.230	14,90	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	4.081	- 11.967	13.888	10,98	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 12a-8	0%	75.570	- 38.068	11.102	13,73	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	75.570	- 38.108	10.717	14,23	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	66.268	- 38.742	10.914	13,97	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	75.570	- 38.232	16.570	9,20	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	75.570	- 38.294	22.246	6,85	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 3a-4a	0%	2.561	13.088	1.949	22,57	PLS	43.984	197.909	0,000	966	5,00	679.135
	25,0%	2.561	7.007	11.490	3,83	PLS	43.984	197.909	0,000	966	5,00	679.135
	50,0%	2.561	378	16.092	2,73	PLS	43.984	197.909	0,000	966	5,00	679.135
	75,0%	1.761	-6.257	12.286	3,58	PLS	43.984	197.909	0,000	966	5,00	679.135
	100,0 %	2.561	- 12.381	284	NS	PLS	43.984	197.909	0,000	966	5,00	679.135
Trave Acciaio 3-4	0%	-58	27.160	4.658	9,44	PLS	43.984	197.909	0,000	966	5,00	679.278
	25,0%	-58	14.285	22.952	1,92	PLS	43.984	197.909	0,000	966	5,00	679.278
	50,0%	-58	227	32.060	1,37	PLS	43.984	197.909	0,000	966	5,00	679.278
	75,0%	-58	- 13.831	23.303	1,89	PLS	43.984	197.909	0,000	966	5,00	679.278
	100%	-58	- 26.813	4.127	10,66	PLS	43.984	197.909	0,000	966	5,00	679.278
Trave Acciaio 15a-16a	0%	1.974	29.582	4.208	10,45	PLS	43.984	197.909	0,000	966	5,00	679.135
	25,0%	1.974	15.790	25.816	1,70	PLS	43.984	197.909	0,000	966	5,00	679.135
	50,0%	1.882	719	36.384	1,21	PLS	43.984	197.909	0,000	966	5,00	679.135
	75,0%	1.974	- 14.332	27.626	1,59	PLS	43.984	197.909	0,000	966	5,00	679.135
	100,0 %	1.974	- 28.239	667	65,94	PLS	43.984	197.909	0,000	966	5,00	679.135
Trave Acciaio 11a-12a	0%	-402	29.473	4.362	10,08	PLS	43.984	197.909	0,000	966	5,00	679.278
	25,0%	-402	15.681	25.594	1,72	PLS	43.984	197.909	0,000	966	5,00	679.278
	50,0%	-402	620	35.950	1,22	PLS	43.984	197.909	0,000	966	5,00	679.278
	75,0%	-402	- 14.441	27.052	1,63	PLS	43.984	197.909	0,000	966	5,00	679.278
	100,0 %	-402	- 28.348	1.537	28,62	PLS	43.984	197.909	0,000	966	5,00	679.278
Trave Acciaio 7a-8a	0%	3.910	29.615	4.261	10,32	PLS	43.984	197.909	0,000	966	5,00	679.135
	25,0%	3.910	15.823	25.867	1,70	PLS	43.984	197.909	0,000	966	5,00	679.135
	50,0%	3.910	762	36.412	1,21	PLS	43.984	197.909	0,000	966	5,00	679.135
	75,0%	3.910	- 14.300	27.697	1,59	PLS	43.984	197.909	0,000	966	5,00	679.135
	100,0 %	3.910	- 28.207	643	68,41	PLS	43.984	197.909	0,000	966	5,00	679.135
Trave Acciaio 19a-20a	0%	2.293	29.354	4.096	10,74	PLS	43.984	197.909	0,000	966	5,00	679.135
	25,0%	2.293	15.563	25.614	1,72	PLS	43.984	197.909	0,000	966	5,00	679.135
	50,0%	2.293	501	35.937	1,22	PLS	43.984	197.909	0,000	966	5,00	679.135

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	75,0%	2.293	-14.560	26.872	1,64	PLS	43.984	197.909	0,000	966	5,00	679.135
	100,0%	1.697	-26.692	758	58,03	PLS	43.984	197.909	0,000	966	5,00	679.135
Trave Acciaio 12-13	0%	5.514	6.789	1.919	22,92	PLS	43.984	197.909	0,000	966	5,00	679.278
	24,9%	5.514	6.240	1.347	32,65	PLS	43.984	197.909	0,000	966	5,00	679.278
	50,0%	5.514	5.692	844	52,11	PLS	43.984	197.909	0,000	966	5,00	679.278
	74,9%	5.514	5.143	1.079	40,76	PLS	43.984	197.909	0,000	966	5,00	679.278
	100%	5.514	4.906	1.911	23,02	PLS	43.984	197.909	0,000	966	5,00	679.278
Trave Acciaio 11a-7	0%	13.716	2.400	1.316	73,00	PLS	96.063	1.100.632	0,000	5.370	22,00	2.175.347
	25,0%	13.716	-64.482	3.768	53,56	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	9.084	-64.555	8.032	25,13	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	13.716	-64.700	12.880	15,67	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100%	13.716	-64.808	17.749	11,37	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 18a-10	0%	40.186	-53.972	12.882	15,67	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	40.186	-54.197	20.389	9,90	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	32.176	-54.637	29.617	6,81	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	40.186	-54.732	40.416	4,99	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100%	40.186	-54.999	51.261	3,94	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 29a-30a	0%	-645	20.141	4.872	6,44	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	-645	10.993	9.291	3,38	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	-645	687	14.411	2,18	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	-645	-9.619	10.482	2,99	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	-645	-18.650	2.499	12,55	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 26a-30a	0%	19.450	2.888	41.932	4,81	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	19.450	2.451	41.188	4,90	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	8.360	2.205	40.875	4,94	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	8.360	1.725	41.386	4,88	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100,0%	16.824	2.137	42.047	4,80	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 2a-2	0%	1.711	-16.517	179	NS	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	1.711	-16.893	4.350	46,39	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	1.711	-17.310	8.896	22,69	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	1.711	-17.728	13.590	14,85	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100%	1.711	-18.103	18.387	10,98	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 22a-26a	0%	16.116	44.790	9.849	20,49	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	25,0%	16.116	44.352	6.759	29,86	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	50,0%	16.116	43.872	17.408	11,59	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	75,0%	24.546	42.262	28.869	6,99	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	100%	24.546	41.824	41.449	4,87	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
Trave Acciaio 25a-26a	0%	523	20.182	5.003	6,27	PLS	31.361	156.718	0,000	765	4,70	555.431
	25,0%	523	11.035	9.213	3,40	PLS	31.361	156.718	0,000	765	4,70	555.431

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	50,0%	523	729	14.355	2,18	PLS	31.361	156.718	0,000	765	4,70	555.431
	75,0%	523	-9.577	10.463	3,00	PLS	31.361	156.718	0,000	765	4,70	555.431
	100%	523	18.609	2.524	12,43	PLS	31.361	156.718	0,000	765	4,70	555.431
Trave Acciaio 10-22a	0%	29.376	85.033	51.270	3,94	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,1%	29.376	84.820	39.769	5,07	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	15.986	83.457	28.318	7,13	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,1%	30.681	83.895	18.247	11,06	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100,0 %	30.681	83.724	9.037	22,33	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 21a-22a	0%	5.081	19.867	3.780	8,30	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	5.081	10.720	10.416	3,01	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	5.081	413	15.180	2,07	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	5.081	-9.893	10.878	2,88	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	5.081	18.924	2.420	12,96	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 6-14a	0%	9.195	29.709	15.366	13,13	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,1%	9.195	29.337	8.728	23,12	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	3.429	28.517	2.362	85,44	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,1%	12.518	25.856	4.321	46,71	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100,0 %	9.195	28.264	10.691	18,88	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 13a-14a	0%	-1.293	20.027	4.368	7,18	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	-1.293	10.880	9.777	3,21	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	-1.431	554	14.725	2,13	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	-1.293	-9.733	10.687	2,93	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	-1.293	18.764	2.512	12,48	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 6a-10a	0%	11.478	-6.881	16.095	12,54	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	11.478	-7.319	12.268	16,45	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	5.632	-8.149	8.492	23,77	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	13.104	-9.844	5.404	37,35	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100%	13.104	10.282	2.736	73,76	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 9a-10a	0%	4.000	19.773	3.434	9,13	PLS	31.361	156.718	0,000	765	4,70	555.431
	25,0%	4.000	10.626	10.563	2,97	PLS	31.361	156.718	0,000	765	4,70	555.431
	50,0%	4.314	229	15.212	2,06	PLS	31.361	156.718	0,000	765	4,70	555.431
	75,0%	4.000	-9.987	10.950	2,86	PLS	31.361	156.718	0,000	765	4,70	555.431
	100%	4.000	19.018	2.640	11,88	PLS	31.361	156.718	0,000	765	4,70	555.431
Trave Acciaio 2-6a	0%	28.221	34.111	24.659	8,18	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	28.221	33.674	14.688	13,74	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	50,0%	24.213	32.719	4.954	40,74	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	24.213	32.239	6.063	33,29	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100,0 %	15.336	30.789	14.697	13,73	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 5a-6a	0%	-3.817	20.187	4.838	6,48	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	-3.817	11.039	9.504	3,30	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	-3.817	733	14.541	2,16	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	-3.817	-9.573	10.636	2,95	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	-3.817	18.605	2.512	12,48	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 14a-18a	0%	19.441	14.198	9.681	20,85	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	25,0%	16.348	-12.40	4.511	44,74	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	50,0%	23.790	-12.659	2.193	92,03	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	75,0%	23.790	-13.140	8.325	24,24	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
	100%	23.790	-13.577	14.592	13,83	PLS	201.818	423.651	0,000	2.067	7,00	2.175.347
Trave Acciaio 17a-18a	0%	2.098	19.942	3.973	7,89	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	2.098	10.795	10.288	3,05	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	2.098	488	15.083	2,08	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	-1.411	-9.854	10.859	2,89	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	2.098	-18.849	2.454	12,78	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 1a-2a	0%	206	8.912	2.151	14,58	PLS	31.361	156.718	0,000	765	4,70	555.356
	25,0%	206	4.890	4.258	7,37	PLS	31.361	156.718	0,000	765	4,70	555.356
	50,0%	206	366	6.425	4,88	PLS	31.361	156.718	0,000	765	4,70	555.356
	75,0%	206	-4.158	4.756	6,59	PLS	31.361	156.718	0,000	765	4,70	555.356
	100%	206	-8.131	1.226	25,58	PLS	31.361	156.718	0,000	765	4,70	555.356
Trave Acciaio 10a-6	0%	13.979	-49.284	2.248	89,78	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	25,0%	11.915	6.353	1.326	72,45	PLS	96.063	1.100.632	0,000	5.370	22,00	2.174.913
	50,0%	8.124	-48.085	5.649	35,73	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	75,0%	13.979	-49.568	9.449	21,36	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
	100%	13.979	-49.676	13.362	15,10	PLS	201.818	423.651	0,000	2.067	7,00	2.174.913
Trave Acciaio 28a-32a	0%	8.394	-234	44.995	3,39	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	25,0%	11.010	-3.150	42.373	3,60	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	50,0%	9.660	-7.239	39.426	3,87	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	75,0%	8.394	-6.177	37.522	4,06	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
	100,0%	8.394	-8.144	35.464	4,30	PLS	152.472	370.566	0,000	1.808	6,50	1.819.575
Trave Acciaio 24a-28a	0%	29.620	31.837	18.148	8,40	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	29.620	29.870	24.998	6,10	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	29.620	27.882	31.278	4,87	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	20.074	25.339	37.053	4,11	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	26.415	22.432	43.426	3,51	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 12-24a	0%	44.536	59.328	17.224	8,85	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,1%	44.536	58.979	8.585	17,76	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	32.437	4.283	661	NS	PLS	72.349	924.777	0,000	4.512	20,00	1.820.009
	75,1%	32.437	56.242	8.577	17,78	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100,0%	44.536	56.355	16.734	9,11	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 8-16a	0%	121.239	41.453	29.548	5,16	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,1%	121.239	41.240	18.056	8,44	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	121.239	41.028	6.613	23,06	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,1%	60.292	35.632	4.991	30,55	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100,0%	121.239	40.626	16.135	9,45	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 16a-20a	0%	60.712	13.483	21.860	6,97	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	60.712	13.231	19.624	7,77	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	60.712	12.957	17.309	8,81	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	60.712	12.683	14.915	10,22	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	60.712	12.430	16.064	9,49	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 8a-12a	0%	63.052	-7.880	11.359	13,42	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009

Travi (AC) - Verifiche a pressoflessione

Id_{Tr}	$\%L_{LI}$	N_{Ed}	V_{Ed}	$M_{Ed,3}$	CS	Tp Vr	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]			[N·m]	[N]		[mm²]	[mm]	[N]
	25,0%	63.052	-8.133	5.563	27,41	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	63.052	-8.407	3.361	45,37	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	63.052	-8.680	6.263	24,34	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100%	63.052	-8.933	12.295	12,40	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
Trave Acciaio 4-8a	0%	40.942	21.576	13.915	10,96	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	25,0%	40.942	21.324	7.138	21,36	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	50,0%	40.942	21.050	3.789	40,24	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	75,0%	40.942	20.776	6.739	22,63	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009
	100,0 %	40.942	20.523	13.466	11,32	PLS	152.472	370.566	0,000	1.808	6,50	1.820.009

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
N_{Ed} Sforzo normale di progetto.
V_{Ed} Taglio di progetto utilizzato per il calcolo di ρ .
$M_{Ed,3}$ Momento flettente di progetto intorno a 3.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
Tp Vr Tipo di verifica considerata: "PLS" = con Modulo di resistenza plastico; "ELA" = con modulo di resistenza elastico; "EFF" = con modulo di resistenza efficace.
$M_{c,Rd}$ Momento resistente.
$V_{c,Rd}$ Taglio resistente.
ρ Coefficiente riduttivo per presenza di taglio.
A_v Area resistente a taglio.
t_w Spessore anima resistente a taglio.
$N_{pl,Rd}$ Resistenza plastica a Sforzo Normale.

TRAVI (AC) - VERIFICHE A TAGLIO (Elevazione) per pressoflessione retta allo SLD

Travi (AC) - Verifiche a taglio

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
Piano Terra					**Piano Terra**		
Trave Acciaio 29a-14	0%	9,51	1.808	98,69	-30.548	290.557	-
	25,0%	10,18	1.808	43,97	-33.120	337.274	-
	50,0%	10,14	1.808	11,53	-35.712	362.135	-
	75,0%	8,33	1.808	66,21	-38.304	319.114	-
	100%	7,05	1.808	106,16	-40.250	283.583	-
Trave Acciaio 30a-15	0%	9,64	2.067	0,96	-43.868	422.853	-
	25,0%	9,54	2.067	0,96	-44.306	422.853	-
	50,0%	9,44	2.067	0,96	-44.786	422.853	-
	75,0%	9,34	2.067	0,96	-45.266	422.853	-
	100%	9,25	2.067	0,96	-45.704	422.853	-
Trave Acciaio 31a-16	0%	8,35	2.067	2,51	-50.463	421.568	-
	25,0%	8,28	2.067	2,51	-50.898	421.568	-
	50,0%	8,21	2.067	2,51	-51.378	421.568	-
	75,0%	8,13	2.067	2,51	-51.859	421.568	-
	100,0%	8,06	2.067	2,51	-52.294	421.568	-
Trave Acciaio 32a-17	0%	7,60	1.808	66,63	-41.935	318.756	-
	25,0%	7,85	1.808	34,83	-43.901	344.456	-
	50,0%	8,03	1.808	2,99	-45.890	368.399	-
	75,0%	7,29	1.808	28,98	-47.878	348.976	-
	100%	6,49	1.808	60,83	-49.845	323.600	-
Trave Acciaio 16-17	0%	15,59	966	0,00	12.691	197.909	-
	25,0%	29,60	966	0,00	6.686	197.909	-
	50,0%	NS	966	0,00	-85	197.909	-
	75,0%	29,43	966	0,00	-6.724	197.909	-
	100,0%	15,48	966	0,00	-12.787	197.909	-
Trave Acciaio 15-16	0%	14,96	765	0,00	10.478	156.718	-
	25,0%	28,14	765	0,00	5.569	156.718	-
	50,0%	NS	765	0,00	-123	156.718	-
	75,0%	27,64	765	0,00	-5.669	156.718	-
	100%	14,82	765	0,00	-10.577	156.718	-
Trave Acciaio 14-15	0%	15,81	765	0,00	9.913	156.718	-
	25,0%	29,66	765	0,00	5.283	156.718	-
	50,0%	NS	765	0,00	73	156.718	-
	75,0%	29,74	765	0,00	-5.270	156.718	-
	100,0%	15,92	765	0,00	-9.842	156.718	-
Trave Acciaio 1-2	0%	8,44	765	0,00	18.563	156.718	-
	25,0%	15,67	765	0,00	10.001	156.718	-
	50,0%	NS	765	0,00	405	156.718	-
	75,0%	16,42	765	0,00	-9.544	156.718	-
	100%	8,71	765	0,00	-17.998	156.718	-
Trave Acciaio 2-3	0%	8,11	765	0,00	19.318	156.718	-
	25,0%	15,22	765	0,00	10.300	156.718	-
	50,0%	NS	765	0,00	-188	156.718	-
	75,0%	15,01	765	0,00	-10.441	156.718	-
	100%	8,03	765	0,00	-19.505	156.718	-
Trave Acciaio 31a-32a	0%	7,91	966	0,17	25.007	197.843	-
	25,0%	15,02	966	0,17	13.174	197.843	-

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
	50,0%	NS	966	0,17	72	197.843	-
	75,0%	15,16	966	0,17	-13.047	197.843	-
	100,0%	7,92	966	0,17	-24.995	197.843	-
Trave Acciaio 30a-31a	0%	7,64	765	0,00	20.525	156.718	-
	25,0%	14,47	765	0,00	10.828	156.718	-
	50,0%	NS	765	0,00	-247	156.718	-
	75,0%	13,97	765	0,00	-11.219	156.718	-
	100%	7,49	765	0,00	-20.916	156.718	-
Trave Acciaio 27a-31a	0%	90,69	2.067	0,24	4.669	423.452	-
	25,0%	NS	2.067	0,24	4.234	423.452	-
	50,0%	NS	2.067	0,24	3.753	423.452	-
	75,0%	NS	2.067	0,24	-3.793	423.452	-
	100,0%	NS	2.067	0,24	-4.228	423.452	-
Trave Acciaio 27a-28a	0%	7,91	966	0,00	25.031	197.909	-
	25,0%	14,99	966	0,00	13.199	197.909	-
	50,0%	NS	966	0,00	97	197.909	-
	75,0%	15,18	966	0,00	-13.037	197.909	-
	100,0%	7,92	966	0,00	-24.984	197.909	-
Trave Acciaio 23a-27a	0%	8,05	2.067	0,79	52.526	422.996	-
	25,0%	8,12	2.067	0,79	52.091	422.996	-
	50,0%	8,20	2.067	0,79	51.611	422.996	-
	75,0%	8,27	2.067	0,79	51.130	422.996	-
	100%	8,34	2.067	0,79	50.695	422.996	-
Trave Acciaio 26a-27a	0%	7,63	765	0,00	20.545	156.718	-
	25,0%	14,45	765	0,00	10.848	156.718	-
	50,0%	NS	765	0,00	-285	156.718	-
	75,0%	13,92	765	0,00	-11.257	156.718	-
	100%	7,48	765	0,00	-20.954	156.718	-
Trave Acciaio 23a-24a	0%	7,87	966	0,34	25.130	197.777	-
	25,0%	14,87	966	0,34	13.297	197.777	-
	50,0%	NS	966	0,34	196	197.777	-
	75,0%	15,30	966	0,34	-12.930	197.777	-
	100,0%	7,95	966	0,34	-24.878	197.777	-
Trave Acciaio 11-23a	0%	4,18	2.067	7,95	99.739	417.024	-
	25,1%	4,19	2.067	7,95	99.526	417.024	-
	50,0%	4,20	2.067	7,95	99.313	417.024	-
	75,1%	4,21	2.067	7,95	99.100	417.024	-
	100,0%	4,22	2.067	7,95	98.932	417.024	-
Trave Acciaio 22a-23a	0%	7,59	765	0,00	20.647	156.718	-
	25,0%	14,31	765	0,00	10.950	156.718	-
	50,0%	NS	765	0,00	-319	156.718	-
	75,0%	13,88	765	0,00	-11.291	156.718	-
	100%	7,47	765	0,00	-20.988	156.718	-
Trave Acciaio 7-15a	0%	10,92	2.067	7,09	38.255	417.746	-
	25,1%	11,03	2.067	7,09	37.883	417.746	-
	50,0%	11,14	2.067	7,09	37.512	417.746	-
	75,1%	11,25	2.067	7,09	37.140	417.746	-
	100,0%	11,35	2.067	7,09	36.813	417.746	-
Trave Acciaio 14a-15a	0%	7,67	765	0,00	20.427	156.718	-
	25,0%	14,61	765	0,00	10.730	156.718	-
	50,0%	NS	765	0,00	-480	156.718	-
	75,0%	13,69	765	0,00	-11.451	156.718	-
	100%	7,41	765	0,00	-21.148	156.718	-
Trave Acciaio 7a-11a	0%	26,65	2.067	0,76	-15.876	423.024	-
	25,0%	25,93	2.067	0,76	-16.311	423.024	-
	50,0%	25,19	2.067	0,76	-16.792	423.024	-
	75,0%	24,49	2.067	0,76	-17.272	423.024	-
	100%	23,89	2.067	0,76	-17.707	423.024	-
Trave Acciaio 10a-11a	0%	7,65	765	0,00	20.476	156.718	-
	25,0%	14,54	765	0,00	10.779	156.718	-
	50,0%	NS	765	0,00	-440	156.718	-
	75,0%	13,73	765	0,00	-11.412	156.718	-
	100%	7,42	765	0,00	-21.109	156.718	-
Trave Acciaio 3-7a	0%	10,56	2.067	3,99	39.798	420.336	-
	25,0%	10,68	2.067	3,99	39.363	420.336	-
	50,0%	10,81	2.067	3,99	38.883	420.336	-
	75,0%	10,95	2.067	3,99	38.402	420.336	-
	100,0%	11,07	2.067	3,99	37.967	420.336	-
Trave Acciaio 6a-7a	0%	7,68	765	0,00	20.403	156.718	-
	25,0%	14,64	765	0,00	10.706	156.718	-
	50,0%	NS	765	0,00	-439	156.718	-
	75,0%	13,73	765	0,00	-11.411	156.718	-
	100%	7,42	765	0,00	-21.108	156.718	-
Trave Acciaio 25a-29a	0%	37,57	1.808	109,06	7.474	280.826	-
	25,0%	67,11	1.808	54,34	4.901	328.929	-
	50,0%	78,59	1.808	0,64	-4.709	370.103	-
	75,0%	44,94	1.808	55,36	-7.301	328.093	-
	100,0%	28,35	1.808	110,04	-9.873	279.888	-
Trave Acciaio 21a-25a	0%	7,31	1.808	117,04	37.369	273.103	-
	25,0%	9,26	1.808	62,32	34.796	322.360	-
	50,0%	11,34	1.808	7,60	32.203	365.030	-
	75,0%	11,24	1.808	49,52	29.611	332.836	-
	100%	10,56	1.808	104,24	27.038	285.392	-

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
Trave Acciaio 9-21a	0%	5,28	1.808	59,21	61.524	324.940	-
	25,1%	5,70	1.808	34,92	60.374	344.390	-
	50,0%	6,13	1.808	10,67	59.225	362.766	-
	75,1%	6,16	1.808	17,46	58.075	357.717	-
	100,0%	5,95	1.808	41,75	56.945	339.033	-
Trave Acciaio 5-13a	0%	8,54	1.808	92,50	34.680	296.210	-
	25,1%	10,17	1.808	50,11	32.673	332.354	-
	50,0%	11,90	1.808	7,73	30.666	364.936	-
	75,1%	12,01	1.808	35,04	28.659	344.290	-
	100,0%	11,61	1.808	77,43	26.672	309.543	-
Trave Acciaio 5a-9a	0%	23,73	1.808	103,30	-12.062	286.273	-
	25,0%	22,80	1.808	48,49	-14.637	333.660	-
	50,0%	21,22	1.808	6,70	-17.230	365.687	-
	75,0%	16,30	1.808	61,47	-19.824	323.069	-
	100%	12,23	1.808	116,23	-22.398	273.898	-
Trave Acciaio 1-5a	0%	8,47	1.808	117,43	32.214	272.726	-
	25,0%	10,87	1.808	62,62	29.640	322.111	-
	50,0%	13,49	1.808	7,81	27.046	364.873	-
	75,0%	13,68	1.808	47,47	24.453	334.481	-
	100,0%	13,13	1.808	102,27	21.878	287.230	-
Trave Acciaio 15a-19a	0%	19,94	2.067	0,10	-21.246	423.566	-
	25,0%	19,54	2.067	0,10	-21.681	423.566	-
	50,0%	19,11	2.067	0,10	-22.162	423.566	-
	75,0%	18,71	2.067	0,10	-22.642	423.566	-
	100%	18,35	2.067	0,10	-23.077	423.566	-
Trave Acciaio 18a-19a	0%	7,65	765	0,00	20.481	156.718	-
	25,0%	14,53	765	0,00	10.784	156.718	-
	50,0%	NS	765	0,00	-476	156.718	-
	75,0%	13,69	765	0,00	-11.447	156.718	-
	100%	7,41	765	0,00	-21.144	156.718	-
Trave Acciaio 13a-17a	0%	14,64	1.808	107,53	-19.282	282.289	-
	25,0%	15,11	1.808	52,76	-21.856	330.213	-
	50,0%	15,07	1.808	2,82	-24.449	368.523	-
	75,0%	12,07	1.808	57,58	-27.042	326.275	-
	100%	9,38	1.808	112,31	-29.615	277.713	-
Trave Acciaio 9a-5	0%	8,60	1.808	19,51	-41.405	356.179	-
	25,0%	8,71	1.808	7,13	-41.972	365.374	-
	50,0%	8,61	1.808	5,51	-42.558	366.562	-
	75,0%	8,28	1.808	17,89	-43.144	357.397	-
	100%	7,96	1.808	30,26	-43.731	347.991	-
Trave Acciaio 17a-9	0%	6,59	1.808	53,36	-50.011	329.728	-
	25,0%	6,88	1.808	22,88	-51.435	353.633	-
	50,0%	6,88	1.808	9,18	-52.878	363.868	-
	75,0%	6,27	1.808	39,66	-54.321	340.683	-
	100%	5,66	1.808	70,13	-55.764	315.799	-
Trave Acciaio 20a-13	0%	9,50	1.808	33,25	-36.370	345.683	-
	24,9%	9,47	1.808	33,25	-36.499	345.683	-
	50,0%	9,43	1.808	33,25	-36.650	345.683	-
	75,0%	9,39	1.808	33,25	-36.801	345.683	-
	100%	9,36	1.808	33,25	-36.934	345.683	-
Trave Acciaio 1a-1	0%	30,26	1.808	86,40	-9.971	301.682	-
	25,0%	28,24	1.808	47,04	-11.856	334.823	-
	50,0%	26,14	1.808	2,35	-14.112	368.864	-
	75,0%	20,31	1.808	49,98	-16.367	332.457	-
	100%	15,67	1.808	97,62	-18.604	291.539	-
Trave Acciaio 3a-3	0%	18,53	2.067	1,07	-22.819	422.768	-
	25,0%	18,23	2.067	1,07	-23.192	422.768	-
	50,0%	17,91	2.067	1,07	-23.609	422.768	-
	75,0%	17,60	2.067	1,07	-24.027	422.768	-
	100%	17,33	2.067	1,07	-24.400	422.768	-
Trave Acciaio 2a-3a	0%	17,52	765	0,00	8.946	156.718	-
	25,0%	33,48	765	0,00	4.681	156.718	-
	50,0%	NS	765	0,00	-191	156.718	-
	75,0%	31,30	765	0,00	-5.007	156.718	-
	100%	16,90	765	0,00	-9.271	156.718	-
Trave Acciaio 19a-11	0%	5,71	2.067	12,22	-72.405	413.422	-
	25,0%	5,69	2.067	12,22	-72.627	413.422	-
	50,0%	5,67	2.067	12,22	-72.895	413.422	-
	75,0%	5,65	2.067	12,22	-73.162	413.422	-
	100%	5,63	2.067	12,22	-73.429	413.422	-
Trave Acciaio 4a-4	0%	26,50	1.808	5,85	-13.823	366.312	-
	25,0%	26,09	1.808	5,85	-14.040	366.312	-
	50,0%	25,66	1.808	5,85	-14.278	366.312	-
	75,0%	25,24	1.808	5,85	-14.516	366.312	-
	100%	24,86	1.808	5,85	-14.733	366.312	-
Trave Acciaio 12a-8	0%	7,47	1.808	62,75	-43.118	322.005	-
	25,0%	7,46	1.808	62,75	-43.158	322.005	-
	50,0%	7,45	1.808	62,75	-43.220	322.005	-
	75,0%	7,44	1.808	62,75	-43.282	322.005	-
	100%	7,43	1.808	62,75	-43.344	322.005	-
Trave Acciaio 3a-4a	0%	15,12	966	0,17	13.088	197.843	-
	25,0%	28,24	966	0,17	7.007	197.843	-
	50,0%	NS	966	0,17	378	197.843	-

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
	75,0%	31,06	966	0,17	-6.369	197.843	-
	100,0%	15,83	966	0,17	-12.499	197.843	-
Trave Acciaio 3-4	0%	7,28	966	0,17	27.160	197.843	-
	25,0%	13,85	966	0,17	14.285	197.843	-
	50,0%	NS	966	0,17	227	197.843	-
	75,0%	14,08	966	0,17	-14.053	197.843	-
	100%	7,32	966	0,17	-27.035	197.843	-
Trave Acciaio 15a-16a	0%	6,69	966	0,00	29.582	197.909	-
	25,0%	12,53	966	0,00	15.790	197.909	-
	50,0%	NS	966	0,00	729	197.909	-
	75,0%	13,74	966	0,00	-14.402	197.909	-
	100,0%	6,99	966	0,00	-28.309	197.909	-
Trave Acciaio 11a-12a	0%	6,71	966	0,00	29.473	197.909	-
	25,0%	12,62	966	0,00	15.681	197.909	-
	50,0%	NS	966	0,00	620	197.909	-
	75,0%	13,58	966	0,00	-14.569	197.909	-
	100,0%	6,95	966	0,00	-28.476	197.909	-
Trave Acciaio 7a-8a	0%	6,68	966	0,17	29.615	197.843	-
	25,0%	12,50	966	0,17	15.823	197.843	-
	50,0%	NS	966	0,17	762	197.843	-
	75,0%	13,73	966	0,17	-14.410	197.843	-
	100,0%	6,99	966	0,17	-28.317	197.843	-
Trave Acciaio 19a-20a	0%	6,74	966	0,17	29.354	197.843	-
	25,0%	12,71	966	0,17	15.563	197.843	-
	50,0%	NS	966	0,17	501	197.843	-
	75,0%	13,58	966	0,17	-14.572	197.843	-
	100,0%	7,41	966	0,17	-26.703	197.843	-
Trave Acciaio 12-13	0%	28,79	966	6,33	6.789	195.450	-
	24,9%	31,32	966	6,33	6.240	195.450	-
	50,0%	34,34	966	6,33	5.692	195.450	-
	74,9%	38,00	966	6,33	5.143	195.450	-
	100%	39,84	966	6,33	4.906	195.450	-
Trave Acciaio 11a-7	0%	5,94	2.067	20,07	-68.477	406.717	-
	25,0%	5,93	2.067	20,07	-68.540	406.717	-
	50,0%	5,92	2.067	20,07	-68.649	406.717	-
	75,0%	5,92	2.067	20,07	-68.758	406.717	-
	100%	5,91	2.067	20,07	-68.866	406.717	-
Trave Acciaio 18a-10	0%	7,08	2.067	0,62	-59.740	423.138	-
	25,0%	7,06	2.067	0,62	-59.965	423.138	-
	50,0%	7,03	2.067	0,62	-60.233	423.138	-
	75,0%	6,99	2.067	0,62	-60.500	423.138	-
	100%	6,96	2.067	0,62	-60.767	423.138	-
Trave Acciaio 29a-30a	0%	7,78	765	0,00	20.141	156.718	-
	25,0%	14,26	765	0,00	10.993	156.718	-
	50,0%	NS	765	0,00	687	156.718	-
	75,0%	16,25	765	0,00	-9.647	156.718	-
	100%	8,39	765	0,00	-18.678	156.718	-
Trave Acciaio 26a-30a	0%	NS	2.067	0,14	3.973	423.537	-
	25,0%	NS	2.067	0,14	3.536	423.537	-
	50,0%	NS	2.067	0,14	-3.723	423.537	-
	75,0%	NS	2.067	0,14	-4.203	423.537	-
	100,0%	91,26	2.067	0,14	-4.641	423.537	-
Trave Acciaio 2a-2	0%	23,74	2.067	2,17	-17.773	421.854	-
	25,0%	23,24	2.067	2,17	-18.149	421.854	-
	50,0%	22,72	2.067	2,17	-18.566	421.854	-
	75,0%	22,22	2.067	2,17	-18.984	421.854	-
	100%	21,79	2.067	2,17	-19.359	421.854	-
Trave Acciaio 22a-26a	0%	9,44	2.067	1,17	44.790	422.682	-
	25,0%	9,53	2.067	1,17	44.352	422.682	-
	50,0%	9,63	2.067	1,17	43.872	422.682	-
	75,0%	9,74	2.067	1,17	43.391	422.682	-
	100%	9,84	2.067	1,17	42.953	422.682	-
Trave Acciaio 25a-26a	0%	7,77	765	0,00	20.182	156.718	-
	25,0%	14,20	765	0,00	11.035	156.718	-
	50,0%	NS	765	0,00	729	156.718	-
	75,0%	16,28	765	0,00	-9.627	156.718	-
	100%	8,40	765	0,00	-18.659	156.718	-
Trave Acciaio 10-22a	0%	4,97	2.067	0,76	85.033	423.024	-
	25,1%	4,99	2.067	0,76	84.820	423.024	-
	50,0%	5,00	2.067	0,76	84.607	423.024	-
	75,1%	5,01	2.067	0,76	84.394	423.024	-
	100,0%	5,02	2.067	0,76	84.223	423.024	-
Trave Acciaio 21a-22a	0%	7,89	765	0,00	19.867	156.718	-
	25,0%	14,62	765	0,00	10.720	156.718	-
	50,0%	NS	765	0,00	413	156.718	-
	75,0%	15,60	765	0,00	-10.045	156.718	-
	100%	8,22	765	0,00	-19.076	156.718	-
Trave Acciaio 6-14a	0%	14,20	2.067	2,17	29.709	421.854	-
	25,1%	14,38	2.067	2,17	29.337	421.854	-
	50,0%	14,56	2.067	2,17	28.965	421.854	-
	75,1%	14,75	2.067	2,17	28.593	421.854	-
	100,0%	14,93	2.067	2,17	28.264	421.854	-
Trave Acciaio 13a-14a	0%	7,83	765	0,00	20.027	156.718	-

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	
	25,0%	14,40	765	0,00	10.880	156.718	-
	50,0%	NS	765	0,00	574	156.718	-
	75,0%	15,93	765	0,00	-9.837	156.718	-
	100%	8,31	765	0,00	-18.868	156.718	-
Trave Acciaio 6a-10a	0%	32,91	2.067	0,14	-12.871	423.537	-
	25,0%	31,82	2.067	0,14	-13.309	423.537	-
	50,0%	30,72	2.067	0,14	-13.789	423.537	-
	75,0%	29,68	2.067	0,14	-14.270	423.537	-
	100%	28,80	2.067	0,14	-14.708	423.537	-
Trave Acciaio 9a-10a	0%	7,93	765	0,00	19.773	156.718	-
	25,0%	14,75	765	0,00	10.626	156.718	-
	50,0%	NS	765	0,00	319	156.718	-
	75,0%	15,39	765	0,00	-10.183	156.718	-
	100%	8,16	765	0,00	-19.214	156.718	-
Trave Acciaio 2-6a	0%	12,38	2.067	1,51	34.111	422.397	-
	25,0%	12,54	2.067	1,51	33.674	422.397	-
	50,0%	12,73	2.067	1,51	33.193	422.397	-
	75,0%	12,91	2.067	1,51	32.713	422.397	-
	100,0%	13,09	2.067	1,51	32.275	422.397	-
Trave Acciaio 5a-6a	0%	7,76	765	0,00	20.187	156.718	-
	25,0%	14,20	765	0,00	11.039	156.718	-
	50,0%	NS	765	0,00	733	156.718	-
	75,0%	16,10	765	0,00	-9.733	156.718	-
	100%	8,35	765	0,00	-18.765	156.718	-
Trave Acciaio 14a-18a	0%	21,43	2.067	0,83	-19.737	422.967	-
	25,0%	20,96	2.067	0,83	-20.175	422.967	-
	50,0%	20,48	2.067	0,83	-20.655	422.967	-
	75,0%	20,01	2.067	0,83	-21.136	422.967	-
	100%	19,61	2.067	0,83	-21.573	422.967	-
Trave Acciaio 17a-18a	0%	7,86	765	0,00	19.942	156.718	-
	25,0%	14,52	765	0,00	10.795	156.718	-
	50,0%	NS	765	0,00	488	156.718	-
	75,0%	15,66	765	0,00	-10.008	156.718	-
	100%	8,23	765	0,00	-19.039	156.718	-
Trave Acciaio 1a-2a	0%	17,58	765	0,24	8.912	156.646	-
	25,0%	32,03	765	0,24	4.890	156.646	-
	50,0%	NS	765	0,24	366	156.646	-
	75,0%	35,99	765	0,24	-4.352	156.646	-
	100%	18,82	765	0,24	-8.325	156.646	-
Trave Acciaio 10a-6	0%	7,69	2.067	5,65	-54.452	418.957	-
	25,0%	7,68	2.067	5,65	-54.518	418.957	-
	50,0%	7,67	2.067	5,65	-54.627	418.957	-
	75,0%	7,65	2.067	5,65	-54.736	418.957	-
	100%	7,64	2.067	5,65	-54.844	418.957	-
Trave Acciaio 28a-32a	0%	37,68	1.808	63,99	-8.518	320.973	-
	25,0%	33,05	1.808	32,14	-10.484	346.542	-
	50,0%	29,69	1.808	0,34	-12.473	370.319	-
	75,0%	23,99	1.808	31,67	-14.461	346.905	-
	100,0%	19,56	1.808	63,52	-16.428	321.365	-
Trave Acciaio 24a-28a	0%	10,03	1.808	65,91	31.837	319.365	-
	25,0%	11,55	1.808	34,11	29.870	345.020	-
	50,0%	13,23	1.808	2,26	27.882	368.926	-
	75,0%	13,45	1.808	29,79	25.893	348.353	-
	100%	13,50	1.808	61,64	23.927	322.927	-
Trave Acciaio 12-24a	0%	6,15	1.808	7,73	59.328	364.936	-
	25,1%	6,24	1.808	3,50	58.979	368.026	-
	50,0%	6,23	1.808	11,91	58.097	361.851	-
	75,1%	6,14	1.808	26,00	57.216	351.263	-
	100,0%	6,04	1.808	40,12	56.355	340.313	-
Trave Acciaio 8-16a	0%	8,54	1.808	22,58	41.453	353.859	-
	25,1%	8,58	1.808	22,58	41.240	353.859	-
	50,0%	8,62	1.808	22,58	41.028	353.859	-
	75,1%	8,67	1.808	22,58	40.816	353.859	-
	100,0%	8,71	1.808	22,58	40.626	353.859	-
Trave Acciaio 16a-20a	0%	27,42	1.808	1,28	13.483	369.639	-
	25,0%	27,94	1.808	1,28	13.231	369.639	-
	50,0%	28,53	1.808	1,28	12.957	369.639	-
	75,0%	29,14	1.808	1,28	12.683	369.639	-
	100%	29,74	1.808	1,28	12.430	369.639	-
Trave Acciaio 8a-12a	0%	25,59	1.808	3,71	-14.376	367.870	-
	25,0%	25,15	1.808	3,71	-14.629	367.870	-
	50,0%	24,68	1.808	3,71	-14.903	367.870	-
	75,0%	24,24	1.808	3,71	-15.176	367.870	-
	100%	23,84	1.808	3,71	-15.429	367.870	-
Trave Acciaio 4-8a	0%	16,65	1.808	15,54	21.576	359.153	-
	25,0%	16,84	1.808	15,54	21.324	359.153	-
	50,0%	17,06	1.808	15,54	21.050	359.153	-
	75,0%	17,29	1.808	15,54	20.776	359.153	-
	100,0%	17,50	1.808	15,54	20.523	359.153	-

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.

$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.

CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] =

Travi (AC) - Verifiche a taglio

Id_{Tr}	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.
	[%]		[mm²]	[N/mm²]	[N]	[N]	

eccezionale; [S] = sismica; [N] = sismica non lineare).

A_v Area resistente a taglio.
$\tau_{T,Ed}$ Tensione tangenziale di calcolo per torsione.
V_{Ed} Taglio di progetto.
$V_{c,Rd}$ Taglio resistente.
P. Vrf. Piano di minima resistenza.

TRAVI (AC) - VERIFICHE A TRAZIONE (ELEVAZIONE) ALLO SLD

Travi (AC) - Verifiche a trazione allo SLD

Id_{Tr}	$\%L_{LI}$	N_{Ed}	CS	A_{net}	$N_{pl,Rd}$	$N_{u,Rd}$
	[%]	[N]		[mm²]	[N]	[N]
Piano Terra				**Piano Terra**		
Trave Acciaio 11-12	0%	78.298	6,48	1.500	507.143	550.800
	100%	77.812	6,52	1.500	507.143	550.800
Trave Acciaio 11-12	0%	91.881	5,52	1.500	507.143	550.800
	100%	92.367	5,49	1.500	507.143	550.800
Trave Acciaio 9-10	0%	62.013	8,18	1.500	507.143	550.800
	100,0%	61.538	8,24	1.500	507.143	550.800
Trave Acciaio 9-10	0%	53.391	9,50	1.500	507.143	550.800
	100,0%	53.875	9,41	1.500	507.143	550.800
Trave Acciaio 1-5	0%	87.980	5,76	1.500	507.143	550.800
	100%	88.463	5,73	1.500	507.143	550.800
Trave Acciaio 1-5	0%	90.060	5,63	1.500	507.143	550.800
	100%	89.577	5,66	1.500	507.143	550.800
Trave Acciaio 4-8	0%	76.085	6,67	1.500	507.143	550.800
	100,0%	75.615	6,71	1.500	507.143	550.800
Trave Acciaio 4-8	0%	79.932	6,34	1.500	507.143	550.800
	100,0%	80.402	6,31	1.500	507.143	550.800

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
N_{Ed} Sforzo normale di progetto.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
A_{net} Area netta della sezione di verifica.
$N_{pl,Rd}$ Resistenza plastica a Sforzo Normale.
$N_{u,Rd}$ Resistenza a rottura della sezione netta.

TRAVI (AC) - VERIFICA DI SNELLEZZA (Elevazione)

TRAVI (AC) - VERIFICA DI SNELLEZZA

Id	P/S	L_0	i	λ_0	$\lambda_{0,lim}$	CS
		[mm]	[mm]			
Piano Terra				**Piano Terra**		
Trave Acciaio 29a-14	P	1.150	49,82	23	200	8,70
Trave Acciaio 30a-15	P	1.150	55,12	21	200	9,52
Trave Acciaio 31a-16	P	1.150	55,12	21	200	9,52
Trave Acciaio 32a-17	P	1.150	49,82	23	200	8,70
Trave Acciaio 30a-31a	P	3.746	16,54	227	200	VNR
Trave Acciaio 27a-31a	P	1.150	55,12	21	200	9,52
Trave Acciaio 23a-27a	P	1.150	55,12	21	200	9,52
Trave Acciaio 26a-27a	P	3.746	16,54	227	200	VNR
Trave Acciaio 11-23a	P	510	55,12	9	200	22,22
Trave Acciaio 7-15a	P	890	55,12	16	200	12,50
Trave Acciaio 7a-11a	P	1.150	55,12	21	200	9,52
Trave Acciaio 3-7a	P	1.150	55,12	21	200	9,52
Trave Acciaio 6a-7a	P	3.746	16,54	227	200	VNR
Trave Acciaio 25a-29a	P	1.150	49,82	23	200	8,70
Trave Acciaio 21a-25a	P	1.150	49,82	23	200	8,70
Trave Acciaio 9-21a	P	510	49,82	10	200	20,00
Trave Acciaio 5-13a	P	890	49,82	18	200	11,11
Trave Acciaio 5a-9a	P	1.150	49,82	23	200	8,70
Trave Acciaio 1-5a	P	1.150	49,82	23	200	8,70
Trave Acciaio 15a-19a	P	1.150	55,12	21	200	9,52
Trave Acciaio 13a-17a	P	1.150	49,82	23	200	8,70
Trave Acciaio 9a-5	P	260	49,82	5	200	40,00
Trave Acciaio 17a-9	P	640	49,82	13	200	15,38
Trave Acciaio 20a-13	P	634	49,82	13	200	15,38
Trave Acciaio 1a-1	P	1.000	49,82	20	200	10,00
Trave Acciaio 3a-3	P	1.000	55,12	18	200	11,11
Trave Acciaio 19a-11	P	640	55,12	12	200	16,67
Trave Acciaio 4a-4	P	1.000	49,82	20	200	10,00
Trave Acciaio 12a-8	P	260	49,82	5	200	40,00
Trave Acciaio 12-13	P	670	18,44	36	200	5,56
Trave Acciaio 11-12	P	6.073	2,89	2104	200	VNR
Trave Acciaio 11-12	P	6.073	2,89	2104	200	VNR
Trave Acciaio 9-10	P	5.330	2,89	1847	200	VNR
Trave Acciaio 9-10	P	5.377	2,89	1863	200	VNR
Trave Acciaio 11a-7	P	260	55,12	5	200	40,00
Trave Acciaio 1-5	P	4.834	2,89	1674	200	VNR
Trave Acciaio 1-5	P	4.834	2,89	1674	200	VNR

TRAVI (AC) - VERIFICA DI SNELLEZZA

Id	P/S	L_0	i	λ_0	$\lambda_{0,lim}$	CS
		[mm]	[mm]			
Trave Acciaio 4-8	P	4.753	2,89	1647	200	VNR
Trave Acciaio 4-8	P	4.753	2,89	1647	200	VNR
Trave Acciaio 18a-10	P	640	55,12	12	200	16,67
Trave Acciaio 29a-30a	P	3.519	16,54	213	200	VNR
Trave Acciaio 26a-30a	P	1.150	55,12	21	200	9,52
Trave Acciaio 2a-2	P	1.000	55,12	18	200	11,11
Trave Acciaio 22a-26a	P	1.150	55,12	21	200	9,52
Trave Acciaio 10-22a	P	510	55,12	9	200	22,22
Trave Acciaio 6-14a	P	890	55,12	16	200	12,50
Trave Acciaio 13a-14a	P	3.519	16,54	213	200	VNR
Trave Acciaio 6a-10a	P	1.150	55,12	21	200	9,52
Trave Acciaio 2-6a	P	1.150	55,12	21	200	9,52
Trave Acciaio 5a-6a	P	3.519	16,54	213	200	VNR
Trave Acciaio 14a-18a	P	1.150	55,12	21	200	9,52
Trave Acciaio 10a-6	P	260	55,12	5	200	40,00
Trave Acciaio 28a-32a	P	1.150	49,82	23	200	8,70
Trave Acciaio 24a-28a	P	1.150	49,82	23	200	8,70
Trave Acciaio 12-24a	P	510	49,82	10	200	20,00
Trave Acciaio 8-16a	P	890	49,82	18	200	11,11
Trave Acciaio 16a-20a	P	1.150	49,82	23	200	8,70
Trave Acciaio 8a-12a	P	1.150	49,82	23	200	8,70
Trave Acciaio 4-8a	P	1.150	49,82	23	200	8,70

LEGENDA:

Id Identificativo dell'elemento.
P/S Tipologia trave acciaio: Principale (P) o Secondaria (S)
L_0 Lunghezza di inflessione
i Raggio d'inerzia
λ_0 Snellezza
$\lambda_{0,lim}$ Snellezza limite
CS Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR]= Verifica Non Richiesta).

TRAVI (AC) - VERIFICHE INSTABILITÀ A PRESSOFLESSIONE DEVIATA (Elevazione)

Travi (AC) - Verifiche instabilità a pressoflessione deviata

Id_{Tr}	$N_{eq,Ed}$	$M_{eq,Ed,3}$	$M_{eq,Ed,2}$	CS	P. Vrf.	L_{Cr}	Dir	L_N	λ_{LT}	α	ϕ	χ	β	k_c	χ_{LT}	N_{cr}
	[N]	[N·m]	[N·m]			[m]		[m]								[N]
Piano Terra									**Piano Terra**							
Trave Acciaio 29a-14	5.431	-33.180	-1.049	4,05	Piano YY	1,15	x-x	1,15	0,186	0,340	0,513	1,000	1,000	0,910	1,000	20.937.770
							y-y	1,15	0,112	0,490	0,571	0,948	1,000	0,749	1,000	
Trave Acciaio 30a-15	3.852	-50.844	41	3,75	Piano YY	1,15	x-x	1,15	0,180	0,340	0,507	1,000	1,000	0,910	1,000	30.638.703
							y-y	1,15	0,113	0,490	0,555	0,963	1,000	0,822	1,000	
Trave Acciaio 31a-16	4.104	-58.562	391	3,22	Piano YY	1,15	x-x	1,15	0,180	0,340	0,507	1,000	1,000	0,910	1,000	30.638.679
							y-y	1,15	0,100	0,490	0,555	0,963	1,000	0,740	1,000	
Trave Acciaio 32a-17	7.393	-42.251	-148	3,36	Piano YY	1,15	x-x	1,15	0,185	0,340	0,513	1,000	1,000	0,910	1,000	20.937.787
							y-y	1,15	0,120	0,490	0,571	0,948	1,000	0,794	1,000	
Trave Acciaio 15-16	437	-11.369	1	1,04	Piano YY	3,75	x-x	3,75	1,563	0,210	0,933	0,763	1,000	0,900	0,398	66.356
							y-y	3,75	0,303	0,340	5,364	0,102	1,000	1,000	1,000	
Trave Acciaio 14-15	863	-9.945	10	1,21	Piano YY	3,52	x-x	3,52	1,534	0,210	0,885	0,794	1,000	0,900	0,411	75.205
							y-y	3,52	0,240	0,340	4,817	0,114	1,000	0,645	1,000	
Trave Acciaio 27a-31a	4.086	-78.330	314	2,42	Piano YY	1,15	x-x	1,15	0,252	0,340	0,507	1,000	1,000	0,940	1,000	30.638.685
							y-y	1,15	0,094	0,490	0,555	0,963	1,000	0,704	1,000	
Trave Acciaio 23a-27a	4.066	-57.989	-2.678	3,00	Piano YY	1,15	x-x	1,15	0,179	0,340	0,507	1,000	1,000	0,910	1,000	30.638.685
							y-y	1,15	0,103	0,490	0,555	0,963	1,000	0,758	1,000	
Trave Acciaio 11-23a	4.048	75.807	1.651	2,41	Piano YY	0,51	x-x	0,51	0,090	0,340	0,481	1,000	1,000	0,940	1,000	155.784.162
							y-y	0,51	0,036	0,490	0,488	1,000	1,000	0,619	1,000	
Trave Acciaio 7-15a	2.493	22.448	-1.083	7,71	Piano YY	0,89	x-x	0,89	0,122	0,340	0,496	1,000	1,000	0,910	1,000	51.154.584
							y-y	0,89	0,083	0,490	0,525	0,994	1,000	0,780	1,000	
Trave Acciaio 7a-11a	1.420	-23.322	1.055	7,49	Piano YY	1,15	x-x	1,15	0,194	0,340	0,507	1,000	1,000	0,940	1,000	30.638.685
							y-y	1,15	0,082	0,490	0,555	0,963	1,000	0,633	1,000	
Trave Acciaio 3-7a	1.409	31.397	1.026	5,71	Piano YY	1,15	x-x	1,15	0,154	0,340	0,507	1,000	1,000	0,910	1,000	30.638.618
							y-y	1,15	0,078	0,490	0,555	0,963	1,000	0,608	1,000	
Trave Acciaio 25a-29a	5.441	-47.980	-1.597	2,80	Piano YY	1,15	x-x	1,15	0,275	0,340	0,513	1,000	1,000	0,940	1,000	20.937.741
							y-y	1,15	0,141	0,490	0,571	0,948	1,000	0,935	1,000	
Trave Acciaio 21a-25a	5.449	-34.940	-1.130	3,84	Piano YY	1,15	x-x	1,15	0,196	0,340	0,513	1,000	1,000	0,910	1,000	20.937.741
							y-y	1,15	0,133	0,490	0,571	0,948	1,000	0,876	1,000	
Trave Acciaio 9-21a	5.455	45.848	1.070	2,99	Piano YY	0,51	x-x	0,51	0,100	0,340	0,483	1,000	1,000	0,940	1,000	106.459.151
							y-y	0,51	0,046	0,490	0,493	1,000	1,000	0,694	1,000	
Trave Acciaio 5-13a	273.830	31.383	-689	2,63	Piano YY	0,89	x-x	0,89	0,148	0,340	0,500	1,000	1,000	0,910	1,000	34.957.813
							y-y	0,89	0,068	0,490	0,536	0,983	1,000	0,620	1,000	
Trave Acciaio 5a-9a	181.105	18.458	-915	4,07	Piano YY	1,15	x-x	1,15	0,177	0,340	0,513	1,000	1,000	0,910	1,000	20.937.741
							y-y	1,15	0,098	0,490	0,571	0,948	1,000	0,672	1,000	
Trave Acciaio 1-5a	76.914	-18.248	1.104	5,36	Piano YY	1,15	x-x	1,15	0,172	0,340	0,513	1,000	1,000	0,910	1,000	20.937.695
							y-y	1,15	0,089	0,490	0,571	0,948	1,000	0,626	1,000	
Trave Acciaio 15a-19a	2.504	-15.316	-1.318	10,49	Piano YY	1,15	x-x	1,15	0,151	0,340	0,507	1,000	1,000	0,910	1,000	30.638.685
							y-y	1,15	0,105	0,490	0,555	0,963	1,000	0,768	1,000	
Trave Acciaio 13a-17a	111.022	-22.313	-1.458	4,17	Piano YY	1,15	x-x	1,15	0,176	0,340	0,513	1,000	1,000	0,910	1,000	20.937.741
							y-y	1,15	0,119	0,490	0,571	0,948	1,000	0,791	1,000	
Trave Acciaio 9a-5	243.437	23.732	1.442	3,14	Piano YY	0,26	x-x	0,26	0,043	0,340	0,474	1,000	1,000	0,910	1,000	409.621.757
							y-y	0,26	0,030	0,490	0,470	1,000	1,000	0,849	1,000	

Travi (AC) - Verifiche instabilità a pressoflessione deviata

Id_{Tr}	$N_{eq,Ed}$	$M_{eq,Ed,3}$	$M_{eq,Ed,2}$	CS	P. Vrf.	L_{Cr}	Dir	L_N	λ_{LT}	α	ϕ	χ	β	k_c	χ_{LT}	N_{cr}
	[N]	[N·m]	[N·m]			[m]		[m]								[N]
Trave Acciaio 17a-9	82.298	31.132	4.063	3,14	Piano YY	0,64	x-x	0,64	0,120	0,340	0,488	1,000	1,000	0,940	1,000	67.603.201
							y-y	0,64	0,057	0,490	0,506	1,000	1,000	0,693	1,000	
Trave Acciaio 20a-13	1.610	-18.178	-1.132	7,02	Piano YY	0,63	x-x	0,63	0,114	0,340	0,488	1,000	1,000	0,910	1,000	68.943.513
							y-y	0,63	0,066	0,490	0,506	1,000	1,000	0,779	1,000	
Trave Acciaio 1a-1	6	15.985	1.717	7,41	Piano YY	1,00	x-x	1,00	0,184	0,340	0,505	1,000	1,000	0,910	1,000	27.690.165
							y-y	1,00	0,098	0,490	0,550	0,968	1,000	0,752	1,000	
Trave Acciaio 3a-3	9	29.374	-1.483	5,92	Piano YY	1,00	x-x	1,00	0,167	0,340	0,500	1,000	1,000	0,940	1,000	40.519.666
							y-y	1,00	0,088	0,490	0,537	0,981	1,000	0,746	1,000	
Trave Acciaio 2a-3a	156	-9.621	5	1,38	Piano YY	3,75	x-x	3,75	1,461	0,210	0,933	0,763	1,000	0,900	0,447	66.358
							y-y	3,75	0,227	0,340	5,364	0,102	1,000	0,602	1,000	
Trave Acciaio 19a-11	2.511	72.093	1.166	2,57	Piano YY	0,64	x-x	0,64	0,114	0,340	0,486	1,000	1,000	0,940	1,000	98.925.343
							y-y	0,64	0,048	0,490	0,500	1,000	1,000	0,653	1,000	
Trave Acciaio 4a-4	-16	16.391	1.503	7,42	Piano YY	1,00	x-x	1,00	0,184	0,340	0,505	1,000	1,000	0,940	1,000	27.690.168
							y-y	1,00	0,099	0,490	0,550	1,000	1,000	0,755	1,000	
Trave Acciaio 12a-8	174.823	14.966	508	4,84	Piano YY	0,26	x-x	0,26	0,045	0,340	0,474	1,000	1,000	0,709	1,000	409.622.238
							y-y	0,26	0,027	0,490	0,470	1,000	1,000	0,789	1,000	
							y-y	5,15	0,257	0,340	7,767	1,000	1,000	0,611	1,000	
Trave Acciaio 12-13	12.641	3.002	232	8,41	Piano YY	0,67	x-x	0,67	0,247	0,210	0,502	1,000	1,000	0,910	1,000	3.153.954
							y-y	0,67	0,084	0,340	0,660	0,895	1,000	0,821	1,000	
Trave Acciaio 11a-7	1.430	21.052	-1.818	7,69	Piano YY	0,26	x-x	0,26	0,043	0,340	0,473	1,000	1,000	0,910	1,000	599.409.083
							y-y	0,26	0,030	0,490	0,468	1,000	1,000	0,955	1,000	
Trave Acciaio 18a-10	2.487	63.817	-5.825	2,52	Piano YY	0,64	x-x	0,64	0,115	0,340	0,486	1,000	1,000	0,940	1,000	98.925.343
							y-y	0,64	0,057	0,490	0,500	1,000	1,000	0,751	1,000	
Trave Acciaio 26a-30a	3.840	-68.608	84	2,78	Piano YY	1,15	x-x	1,15	0,252	0,340	0,507	1,000	1,000	0,940	1,000	30.638.685
							y-y	1,15	0,131	0,490	0,555	0,963	1,000	0,954	1,000	
Trave Acciaio 2a-2	10	22.856	-984	7,71	Piano YY	1,00	x-x	1,00	0,167	0,340	0,500	1,000	1,000	0,940	1,000	40.519.666
							y-y	1,00	0,089	0,490	0,537	0,981	1,000	0,749	1,000	
Trave Acciaio 22a-26a	3.830	-51.281	787	3,61	Piano YY	1,15	x-x	1,15	0,181	0,340	0,507	1,000	1,000	0,910	1,000	30.638.685
							y-y	1,15	0,105	0,490	0,555	0,963	1,000	0,769	1,000	
Trave Acciaio 10-22a	3.794	61.883	-4.670	2,67	Piano YY	0,51	x-x	0,51	0,090	0,340	0,481	1,000	1,000	0,940	1,000	155.784.162
							y-y	0,51	0,045	0,490	0,488	1,000	1,000	0,744	1,000	
Trave Acciaio 6-14a	18.563	13.742	-1.835	9,98	Piano YY	0,89	x-x	0,89	0,121	0,340	0,496	1,000	1,000	0,910	1,000	51.154.584
							y-y	0,89	0,070	0,490	0,525	0,994	1,000	0,680	1,000	
Trave Acciaio 6a-10a	1.936	-17.548	-686	10,03	Piano YY	1,15	x-x	1,15	0,197	0,340	0,507	1,000	1,000	0,940	1,000	30.638.685
							y-y	1,15	0,079	0,490	0,555	0,963	1,000	0,613	1,000	
Trave Acciaio 2-6a	61.058	21.970	-850	6,54	Piano YY	1,15	x-x	1,15	0,164	0,340	0,507	1,000	1,000	0,910	1,000	30.638.618
							y-y	1,15	0,083	0,490	0,555	0,963	1,000	0,640	1,000	
Trave Acciaio 14a-18a	48.934	14.402	-1.022	9,13	Piano YY	1,15	x-x	1,15	0,162	0,340	0,507	1,000	1,000	0,910	1,000	30.638.685
							y-y	1,15	0,098	0,490	0,555	0,963	1,000	0,726	1,000	
Trave Acciaio 1a-2a	-656	-8.528	3	1,56	Piano YY	3,52	x-x	3,52	1,464	0,210	0,885	1,000	1,000	0,900	0,446	75.203
							y-y	3,52	0,228	0,340	4,817	1,000	1,000	1,000	1,000	
Trave Acciaio 10a-6	28.679	11.162	-2.917	9,70	Piano YY	0,26	x-x	0,26	0,041	0,340	0,473	1,000	1,000	0,910	1,000	599.409.083
							y-y	0,26	0,025	0,490	0,468	1,000	1,000	0,796	1,000	
Trave Acciaio 28a-32a	7.413	-72.660	-369	1,96	Piano YY	1,15	x-x	1,15	0,263	0,340	0,513	1,000	1,000	0,940	1,000	20.937.741
							y-y	1,15	0,134	0,490	0,571	0,948	1,000	0,881	1,000	
Trave Acciaio 24a-28a	7.434	-64.455	864	2,17	Piano YY	1,15	x-x	1,15	0,232	0,340	0,513	1,000	1,000	0,940	1,000	20.937.741
							y-y	1,15	0,103	0,490	0,571	0,948	1,000	0,704	1,000	
Trave Acciaio 12-24a	92.691	16.114	906	5,71	Piano YY	0,51	x-x	0,51	0,073	0,340	0,483	1,000	1,000	0,910	1,000	106.459.151
							y-y	0,51	0,046	0,490	0,493	1,000	1,000	0,700	1,000	
Trave Acciaio 8-16a	265.567	33.748	-466	2,58	Piano YY	0,89	x-x	0,89	0,142	0,340	0,500	1,000	1,000	0,910	1,000	34.957.801
							y-y	0,89	0,110	0,490	0,536	0,983	1,000	0,932	1,000	
Trave Acciaio 16a-20a	132.378	-29.111	-913	3,44	Piano YY	1,15	x-x	1,15	0,230	0,340	0,513	1,000	1,000	0,940	1,000	20.937.741
							y-y	1,15	0,122	0,490	0,571	0,948	1,000	0,810	1,000	
Trave Acciaio 8a-12a	147.223	15.481	-889	4,87	Piano YY	1,15	x-x	1,15	0,169	0,340	0,513	1,000	1,000	0,910	1,000	20.937.741
							y-y	1,15	0,108	0,490	0,571	0,948	1,000	0,727	1,000	
Trave Acciaio 4-8a	98.679	-14.937	845	5,80	Piano YY	1,15	x-x	1,15	0,167	0,340	0,513	1,000	1,000	0,910	1,000	20.937.739
							y-y	1,15	0,089	0,490	0,571	0,948	1,000	0,629	1,000	

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$N_{eq,Ed}$ Sforzo Normale equivalente di progetto.
$M_{eq,Ed,3}$ Momento equivalente di progetto intorno a 3.
$M_{eq,Ed,2}$ Momento equivalente di progetto intorno a 2.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
P. Vrf. Piano di minima resistenza.
L_{Cr} Lunghezza di libera inflessione laterale, misurata tra due ritegni torsionali successivi.
L_N Luce libera di inflessione.
λ_{LT} Coefficiente di snellezza normalizzata (per il calcolo di Φ_{LT}).
α Fattore di imperfezione.
ϕ Coefficiente per il calcolo di χ
χ Coefficiente di riduzione per instabilità a compressione
β Coefficiente di riduzione della luce libera di inflessione.
k_c Coefficiente per il calcolo di χ_{LT}
χ_{LT} Coefficiente di riduzione ai fini dell'instabilità flessotorsionale.
N_{cr} Sforzo Normale Critico Euleriano.

TRAVI (AC) - VERIFICHE DI DEFORMABILITÀ ALLO SLE (Elevazione)

Travi (AC) - Verifiche di deformabilità allo SLE

Id_{Tr}	Carichi Permanenti + Variabili			Carichi Variabili		
	CS	δ_{max}	δ_{amm}	CS	δ_{max}	δ_{amm}
		[cm]	[cm]		[cm]	[cm]
Piano Terra				**Piano Terra**		
Trave Acciaio 29a-14	18,31	0,0251	0,4600	40,76	0,0094	0,3833
Trave Acciaio 30a-15	15,77	0,0292	0,4600	31,35	0,0122	0,3833
Trave Acciaio 31a-16	13,45	0,0342	0,4600	26,91	0,0142	0,3833
Trave Acciaio 32a-17	15,72	0,0293	0,4600	33,86	0,0113	0,3833
Trave Acciaio 16-17	1,04	1,7180	1,7920	2,13	0,6998	1,4933
Trave Acciaio 15-16	1,13	1,3232	1,4983	2,32	0,5376	1,2486
Trave Acciaio 14-15	1,37	1,0240	1,4074	2,80	0,4185	1,1728
Trave Acciaio 27a-31a	6,00	0,0766	0,4600	12,04	0,0318	0,3833
Trave Acciaio 23a-27a	13,80	0,0333	0,4600	27,74	0,0138	0,3833
Trave Acciaio 11-23a	17,52	0,0116	0,2040	35,04	0,0049	0,1700
Trave Acciaio 7-15a	88,88	0,0040	0,3560	NS	0,0017	0,2967
Trave Acciaio 7a-11a	26,51	0,0174	0,4600	52,93	0,0072	0,3833
Trave Acciaio 3-7a	56,97	0,0081	0,4600	NS	0,0032	0,3833
Trave Acciaio 25a-29a	6,68	0,0689	0,4600	14,71	0,0261	0,3833
Trave Acciaio 21a-25a	14,54	0,0316	0,4600	31,87	0,0120	0,3833
Trave Acciaio 9-21a	19,61	0,0104	0,2040	43,41	0,0039	0,1700
Trave Acciaio 5-13a	NS	0,0033	0,3560	NS	0,0013	0,2967
Trave Acciaio 5a-9a	35,25	0,0130	0,4600	79,57	0,0048	0,3833
Trave Acciaio 1-5a	89,96	0,0051	0,4600	NS	0,0020	0,3833
Trave Acciaio 15a-19a	NS	0,0039	0,4600	NS	0,0016	0,3833
Trave Acciaio 13a-17a	NS	0,0030	0,4600	NS	0,0012	0,3833
Trave Acciaio 9a-5	-	0,0000	0,1040	-	0,0000	0,0867
Trave Acciaio 17a-9	17,69	0,0145	0,2560	39,13	0,0055	0,2133
Trave Acciaio 20a-13	50,91	0,0050	0,2535	NS	0,0020	0,2112
Trave Acciaio 1a-1	37,15	0,0108	0,4000	80,17	0,0042	0,3333
Trave Acciaio 3a-3	26,78	0,0149	0,4000	54,67	0,0061	0,3333
Trave Acciaio 2a-3a	1,35	1,1139	1,4983	2,76	0,4532	1,2486
Trave Acciaio 19a-11	15,30	0,0167	0,2560	30,65	0,0070	0,2133
Trave Acciaio 4a-4	32,73	0,0122	0,4000	67,13	0,0050	0,3333
Trave Acciaio 12a-8	-	0,0000	0,1040	-	0,0000	0,0867
Trave Acciaio 12-13	NS	0,0019	0,2680	NS	0,0008	0,2233
Trave Acciaio 11a-7	-	0,0000	0,1040	-	0,0000	0,0867
Trave Acciaio 18a-10	17,30	0,0148	0,2560	34,44	0,0062	0,2133
Trave Acciaio 26a-30a	6,91	0,0666	0,4600	13,77	0,0278	0,3833
Trave Acciaio 2a-2	34,60	0,0116	0,4000	70,01	0,0048	0,3333
Trave Acciaio 22a-26a	15,11	0,0305	0,4600	30,21	0,0127	0,3833
Trave Acciaio 10-22a	21,52	0,0095	0,2040	42,80	0,0040	0,1700
Trave Acciaio 6-14a	NS	0,0029	0,3560	NS	0,0012	0,2967
Trave Acciaio 6a-10a	33,63	0,0137	0,4600	66,71	0,0057	0,3833
Trave Acciaio 2-6a	61,02	0,0075	0,4600	NS	0,0031	0,3833
Trave Acciaio 14a-18a	NS	0,0029	0,4600	NS	0,0013	0,3833
Trave Acciaio 1a-2a	1,71	0,8234	1,4074	3,37	0,3479	1,1728
Trave Acciaio 10a-6	-	0,0000	0,1040	-	0,0000	0,0867
Trave Acciaio 28a-32a	4,78	0,0963	0,4600	10,21	0,0375	0,3833
Trave Acciaio 24a-28a	6,14	0,0749	0,4600	13,12	0,0292	0,3833
Trave Acciaio 12-24a	NS	0,0003	0,2040	NS	0,0001	0,1700
Trave Acciaio 8-16a	63,77	0,0056	0,3560	NS	0,0023	0,2967
Trave Acciaio 16a-20a	14,35	0,0321	0,4600	29,04	0,0132	0,3833
Trave Acciaio 8a-12a	96,98	0,0047	0,4600	NS	0,0019	0,3833
Trave Acciaio 4-8a	70,58	0,0065	0,4600	NS	0,0027	0,3833

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
δ_{max} Spostamento allo SLE.
δ_{amm} Spostamento Differenziale ammissibile.

PILASTRI (AC) - VERIFICHE A PRESSOFLESSIONE DEVIATA (Elevazione)

Pilastri (AC) - Verifiche a pressoflessione deviata

Pilastro	%L_{LI}	N_{Ed}	V_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Tp Vr	max/min	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]	[N·m]				[N·m]	[N]		[mm²]	[mm]	[N]
Piano Terra														
Pilastro Acciaio 1	0%	163.166	-454	2.042	-2.514	11.42[S]	PLS	Max	80.164	255.321	0,000	1.308	7,0	1.452.326
			800					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	70.067	1.663	-123	-3.236	12.29[V]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.326
			-105					Min	40.504	712.869	0,000	3.652	24,0	
	100%	69.169	1.663	-339	-6.645	5.95[V]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.326
			-105					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 2	0%	98.167	-914	9.759	-1.860	6.11[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			4.716					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	95.181	-756	-5.366	190	14.42[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			3.480					Min	40.504	712.869	0,000	3.652	24,0	
	100%	94.490	-756	-18.768	1.891	3.66[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			3.480					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 3	0%	113.794	-911	7.878	-1.600	7.44[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			2.219					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	111.298	-1.445	282	1.178	30.79[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			571					Min	40.504	712.869	0,000	3.652	24,0	

Pilastro	%L_{LI}	N_{Ed}	V_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Tp Vr	max/min	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]	[N·m]				[N·m]	[N]		[mm²]	[mm]	[N]
	100%	111.821	-817	-7.900	2.142	6.75[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			1.782					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 4	0%	156.883	28	-1.819	2.677	11.36[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.326
			716					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	82.078	1.908	308	-3.565	10.90[V]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.326
			219					Min	40.504	712.869	0,000	3.652	24,0	
	100%	81.199	2.065	755	-7.699	5.02[V]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.326
			219					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 8	0%	255.734	295	-6.875	573	9.58[S]	PLS	Max	76.209	255.321	0,000	1.308	7,0	1.452.326
			4.564					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	169.554	336	-4.572	-982	12.28[S]	PLS	Max	79.929	255.321	0,000	1.308	7,0	1.452.326
			2.478					Min	40.504	712.869	0,000	3.652	24,0	
	100%	168.863	336	-12.931	-2.436	4.51[S]	PLS	Max	79.954	255.321	0,000	1.308	7,0	1.452.326
			2.478					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 7	0%	109.665	-490	7.892	-957	8.42[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			2.540					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	113.531	-851	250	664	51.53[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			-947					Min	40.504	712.869	0,000	3.652	24,0	
	100%	107.170	-461	-7.646	1.064	8.44[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			2.121					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 5	0%	244.667	402	-7.946	1.131	7.61[S]	PLS	Max	76.777	255.321	0,000	1.308	7,0	1.452.326
			5.693					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	161.633	532	5.370	-1.443	9.75[S]	PLS	Max	80.221	255.321	0,000	1.308	7,0	1.452.326
			3.362					Min	40.504	712.869	0,000	3.652	24,0	
	100%	160.942	532	15.396	-3.772	3.51[S]	PLS	Max	80.246	255.321	0,000	1.308	7,0	1.452.326
			3.362					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 9	0%	135.325	-187	12.771	683	5.86[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			8.422					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	127.352	36	-10.932	-2.074	5.47[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			4.507					Min	40.504	712.869	0,000	3.652	24,0	
	100%	126.661	36	-29.475	-4.726	2.12[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			4.507					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 10	0%	186.308	-3.296	-1.459	-4.155	8.27[S]	PLS	Max	79.312	255.321	0,000	1.308	7,0	1.452.283
			875					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	180.029	-2.807	1.133	2.918	11.59[S]	PLS	Max	79.543	255.321	0,000	1.308	7,0	1.452.283
			873					Min	40.504	712.869	0,000	3.652	24,0	
	100%	174.543	-2.796	2.320	9.359	3.84[S]	PLS	Max	79.745	255.321	0,000	1.308	7,0	1.452.283
			842					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 11	0%	216.895	-3.260	-1.260	-4.090	8.54[S]	PLS	Max	78.187	255.321	0,000	1.308	7,0	1.452.283
			395					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	213.763	-2.962	-478	2.783	13.37[S]	PLS	Max	78.302	255.321	0,000	1.308	7,0	1.452.283
			389					Min	40.504	712.869	0,000	3.652	24,0	
	100%	208.131	-2.952	-932	9.278	4.15[S]	PLS	Max	78.509	255.321	0,000	1.308	7,0	1.452.283
			342					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 12	0%	129.115	-790	13.040	-1.029	5.48[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			3.644					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	109.972	-558	-12.956	-755	5.72[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			493					Min	40.504	712.869	0,000	3.652	24,0	
	100%	109.281	-558	-34.487	2.209	2.13[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			493					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 17	0%	72.877	47	-14.234	429	5.49[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			12.445					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	66.091	100	13.799	-209	5.83[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			8.812					Min	40.504	712.869	0,000	3.652	24,0	
	100%	65.400	100	36.793	-714	2.17[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			8.812					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 16	0%	82.139	-256	-9.134	390	8.35[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			8.489					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	79.384	-193	8.847	252	8.86[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			7.630					Min	40.504	712.869	0,000	3.652	24,0	
	100%	78.693	-193	25.690	703	3.06[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			7.630					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 15	0%	72.594	-139	-10.034	508	7.49[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			8.756					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	69.740	-75	8.900	107	9.10[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			7.413					Min	40.504	712.869	0,000	3.652	24,0	
	100%	69.050	-75	25.932	314	3.12[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			7.413					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 14	0%	55.525	265	-14.120	762	5.29[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			11.490					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	51.205	324	12.055	-401	6.44[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			7.815					Min	40.504	712.869	0,000	3.652	24,0	
	100%	50.514	324	32.991	-1.400	2.31[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			7.815					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 13	0%	57.753	-395	-9.024	-779	7.81[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			4.989					Min	40.504	712.869	0,000	3.652	24,0	

Pilastri (AC) - Verifiche a pressoflessione deviata

Pilastro	%L_{LI}	N_{Ed}	V_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Tp Vr	max/min	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]	[N·m]				[N·m]	[N]		[mm²]	[mm]	[N]
	50,0%	44.154	-273	3.059	-241	23.35[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			3.051					Min	40.504	712.869	0,000	3.652	24,0	
	100%	43.463	-273	11.437	-908	6.24[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			3.051					Min	40.504	712.869	0,000	3.652	24,0	
Pilastro Acciaio 6	0%	90.641	-2.698	-2.528	-3.745	8.13[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			944					Min	40.504	712.869	0,000	3.652	24,0	
	50,0%	88.153	-2.248	-605	2.059	17.20[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			918					Min	40.504	712.869	0,000	3.652	24,0	
	100%	86.818	-2.223	1.344	7.313	5.08[S]	PLS	Max	82.969	255.321	0,000	1.308	7,0	1.452.283
			843					Min	40.504	712.869	0,000	3.652	24,0	

LEGENDA:

Pilastro Identificativo del pilastro. L'eventuale lettera tra parentesi distingue i diversi tratti della pilastrata al livello considerato.
%L_{LI} Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
N_{Ed} Sforzo normale di progetto.
V_{Ed} Taglio di progetto utilizzato per il calcolo di ρ .
$M_{Ed,3}$ Momento flettente di progetto intorno a 3.
$M_{Ed,2}$ Momento flettente di progetto intorno a 2.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
Tp Vr Tipo di verifica considerata: "PLS" = con Modulo di resistenza plastico; "ELA" = con modulo di resistenza elastico; "EFF" = con modulo di resistenza efficace.
max/min [max] = valore per la verifica con modulo di resistenza maggiore; [min] = valore per la verifica con modulo di resistenza minore.
$M_{c,Rd}$ Momento resistente.
$V_{c,Rd}$ Taglio resistente.
ρ Coefficiente riduttivo per presenza di taglio.
A_v Area resistente a taglio.
t_w Spessore anima.
$N_{pl,Rd}$ Resistenza plastica a Sforzo Normale.

PILASTRI (AC) - VERIFICHE A TAGLIO (Elevazione) per pressoflessione deviata

Pilastri (AC) - Verifiche a taglio

Pilastro	%L_{LI}	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.	Ω_{Min}
	[%]		[mm²]	[N/mm²]	[N]	[N]		
Piano Terra								
Pilastro Acciaio 1	0%	NS	1.308	0,47	-1.595	255.074	Piano XX	-
	50,0%	NS	1.308	0,47	-1.595	255.074	Piano XX	-
	100%	NS	1.308	0,47	-1.595	255.074	Piano XX	-
Pilastro Acciaio 2	0%	36,67	1.308	0,37	-6.958	255.129	Piano XX	-
	50,0%	36,67	1.308	0,37	-6.958	255.129	Piano XX	-
	100%	36,67	1.308	0,37	-6.958	255.129	Piano XX	-
Pilastro Acciaio 3	0%	66,28	1.308	0,42	-3.849	255.101	Piano XX	-
	50,0%	66,28	1.308	0,42	-3.849	255.101	Piano XX	-
	100%	66,28	1.308	0,42	-3.849	255.101	Piano XX	-
Pilastro Acciaio 4	0%	NS	1.308	0,42	1.122	255.101	Piano XX	-
	50,0%	NS	1.308	0,42	1.122	255.101	Piano XX	-
	100%	NS	1.308	0,42	1.122	255.101	Piano XX	-
Pilastro Acciaio 8	0%	52,93	1.308	0,37	-4.820	255.129	Piano XX	-
	50,0%	52,93	1.308	0,37	-4.820	255.129	Piano XX	-
	100%	52,93	1.308	0,37	-4.820	255.129	Piano XX	-
Pilastro Acciaio 7	0%	67,31	1.308	0,42	-3.790	255.101	Piano XX	-
	50,0%	67,31	1.308	0,42	-3.790	255.101	Piano XX	-
	100%	67,31	1.308	0,42	-3.790	255.101	Piano XX	-
Pilastro Acciaio 5	0%	44,81	1.308	0,42	5.693	255.101	Piano XX	-
	50,0%	44,81	1.308	0,42	5.693	255.101	Piano XX	-
	100%	44,81	1.308	0,42	5.693	255.101	Piano XX	-
Pilastro Acciaio 9	0%	24,77	1.308	0,21	-10.304	255.211	Piano XX	-
	50,0%	24,77	1.308	0,21	-10.304	255.211	Piano XX	-
	100%	24,77	1.308	0,21	-10.304	255.211	Piano XX	-
Pilastro Acciaio 10	0%	NS	1.308	0,42	1.445	255.101	Piano XX	-
	50,0%	NS	1.308	0,42	1.445	255.101	Piano XX	-
	100%	NS	1.308	0,42	1.445	255.101	Piano XX	-
Pilastro Acciaio 11	0%	NS	1.308	0,52	-1.277	255.047	Piano XX	-
	50,0%	NS	1.308	0,52	-1.277	255.047	Piano XX	-
	100%	NS	1.308	0,52	-1.277	255.047	Piano XX	-
Pilastro Acciaio 12	0%	22,01	1.308	0,26	-11.592	255.184	Piano XX	-
	50,0%	22,01	1.308	0,26	-11.592	255.184	Piano XX	-
	100%	22,01	1.308	0,26	-11.592	255.184	Piano XX	-
Pilastro Acciaio 17	0%	20,50	1.308	0,26	12.445	255.184	Piano XX	-
	50,0%	20,50	1.308	0,26	12.445	255.184	Piano XX	-
	100%	20,50	1.308	0,26	12.445	255.184	Piano XX	-
Pilastro Acciaio 16	0%	30,06	1.308	0,21	8.489	255.211	Piano XX	-
	50,0%	30,06	1.308	0,21	8.489	255.211	Piano XX	-
	100%	30,06	1.308	0,21	8.489	255.211	Piano XX	-
Pilastro Acciaio 15	0%	29,15	1.308	0,21	8.756	255.211	Piano XX	-
	50,0%	29,15	1.308	0,21	8.756	255.211	Piano XX	-
	100%	29,15	1.308	0,21	8.756	255.211	Piano XX	-
Pilastro Acciaio 14	0%	22,21	1.308	0,16	11.490	255.239	Piano XX	-
	50,0%	22,21	1.308	0,16	11.490	255.239	Piano XX	-
	100%	22,21	1.308	0,16	11.490	255.239	Piano XX	-
Pilastro Acciaio 13	0%	51,15	1.308	0,21	4.989	255.211	Piano XX	-

Pilastri (AC) - Verifiche a taglio

Pilastro	%L_{LI}	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.	Ω_{Min}
	[%]		[mm²]	[N/mm²]	[N]	[N]		
Pilastro Acciaio 6	50,0%	51,15	1.308	0,21	4.989	255.211	Piano XX	-
	100%	51,15	1.308	0,21	4.989	255.211	Piano XX	-
	0%	NS	1.308	0,58	1.914	255.019	Piano XX	-
	50,0%	NS	1.308	0,58	1.914	255.019	Piano XX	-
	100%	NS	1.308	0,58	1.914	255.019	Piano XX	-

LEGENDA:

Pilastro Identificativo del pilastro. L'eventuale lettera tra parentesi distingue i diversi tratti della pilastrata al livello considerato.
%L_{LI} Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
A_v Area resistente a taglio.
$\tau_{T,Ed}$ Tensione tangenziale di calcolo per torsione.
V_{Ed} Taglio di progetto.
$V_{c,Rd}$ Taglio resistente.
P. Vrf. Piano di minima resistenza.
Ω_{Min} Rapporto minimo momento plastico/momento progetto travi concorrenti.

PILASTRI (AC) - VERIFICHE A PRESSOFLESSIONE DEVIATA (Elevazione) allo SLD

Pilastri (AC) - Verifiche a pressoflessione deviata

Pilastro	%L_{LI}	N_{Ed}	V_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Tp Vr	max/min	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]	[N·m]				[N·m]	[N]		[mm²]	[mm]	[N]
Piano Terra														
Pilastro Acciaio 1	0%	115.390	-36	1.167	-1.466	20.89	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			429					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	182.753	274	-953	-1.466	21.81	PLS	Max	83.752	268.087	0,000	1.308	7,0	1.452.283
			840					Min	42.529	748.512	0,000	3.652	24,0	
	100%	68.522	335	-959	-3.081	11.98	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			80					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 2	0%	93.334	-696	5.761	-1.361	10.19	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			1.858					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	90.349	-537	-3.506	240	21.79	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			623					Min	42.529	748.512	0,000	3.652	24,0	
	100%	89.658	-537	-11.049	1.491	6.18	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			623					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 3	0%	110.999	-1.097	3.115	-2.112	11.71	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			-97					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	110.308	-1.097	306	946	38.83	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			-97					Min	42.529	748.512	0,000	3.652	24,0	
	100%	109.845	-702	-4.744	1.978	9.90	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			246					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 4	0%	110.205	508	-1.064	1.599	20.08	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			461					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	109.514	508	617	-2.615	14.58	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			461					Min	42.529	748.512	0,000	3.652	24,0	
	100%	62.729	938	847	-5.549	7.13	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			213					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 8	0%	173.338	398	-3.966	329	18.22	PLS	Max	84.098	268.087	0,000	1.308	7,0	1.452.283
			2.573					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	87.158	438	-3.400	-1.000	15.99	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			488					Min	42.529	748.512	0,000	3.652	24,0	
	100%	86.467	438	-7.678	-2.227	7.12	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			488					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 7	0%	105.927	-400	4.583	-710	14.43	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			927					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	108.732	-588	297	450	71.48	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			105					Min	42.529	748.512	0,000	3.652	24,0	
	100%	103.431	-371	-4.342	939	13.90	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			508					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 5	0%	159.726	584	-4.596	756	14.18	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			3.330					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	76.693	714	3.874	-1.445	12.75	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			998					Min	42.529	748.512	0,000	3.652	24,0	
	100%	76.002	714	9.054	-3.399	5.44	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			998					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 9	0%	115.598	158	7.398	548	10.22	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			4.355					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	107.625	381	-7.965	-1.502	7.89	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			439					Min	42.529	748.512	0,000	3.652	24,0	
	100%	106.934	381	-18.171	-3.448	3.45	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			439					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 10	0%	153.794	-2.047	-977	-2.456	14.50	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			748					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	147.516	-1.558	959	2.058	16.84	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			747					Min	42.529	748.512	0,000	3.652	24,0	
	100%	142.030	-1.547	2.187	5.938	6.07	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			716					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 11	0%	187.819	-2.055	-719	-2.449	15.11	PLS	Max	83.565	268.087	0,000	1.308	7,0	1.452.283

Pilastro	%L_{LI}	N_{Ed}	V_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Tp Vr	max/min	$M_{c,Rd}$	$V_{c,Rd}$	ρ	A_v	t_w	$N_{pl,Rd}$
	[%]	[N]	[N]	[N·m]	[N·m]				[N·m]	[N]		[mm²]	[mm]	[N]
			184					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	184.687	-1.757	-370	1.951	19.88	PLS	Max	83.681	268.087	0,000	1.308	7,0	1.452.283
			178					Min	42.529	748.512	0,000	3.652	24,0	
	100%	179.056	-1.747	-607	5.974	6.77	PLS	Max	83.888	268.087	0,000	1.308	7,0	1.452.283
			131					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 12	0%	96.746	-446	8.415	-597	9.04	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			347					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	77.603	-214	-10.824	-482	7.38	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			-2.802					Min	42.529	748.512	0,000	3.652	24,0	
	100%	76.912	-214	-25.599	1.232	3.10	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			-2.802					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 17	0%	67.140	92	-9.461	315	8.62	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			9.008					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	60.353	145	11.526	-228	7.26	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			5.376					Min	42.529	748.512	0,000	3.652	24,0	
	100%	59.662	145	27.474	-638	3.03	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			5.376					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 16	0%	77.682	-190	-4.862	235	16.30	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			5.412					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	74.927	-128	6.808	272	11.83	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			4.553					Min	42.529	748.512	0,000	3.652	24,0	
	100%	74.236	-128	17.339	590	4.70	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			4.553					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 15	0%	68.385	-72	-5.532	347	13.95	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			5.565					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	65.531	-8	6.848	132	12.24	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			4.222					Min	42.529	748.512	0,000	3.652	24,0	
	100%	64.841	-8	17.326	203	4.91	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			4.222					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 14	0%	52.084	318	-9.045	619	8.44	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			7.935					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	47.764	378	9.841	-432	8.12	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			4.259					Min	42.529	748.512	0,000	3.652	24,0	
	100%	47.073	378	23.488	-1.323	3.33	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			4.259					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 13	0%	44.149	-220	-5.415	-455	13.73	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			3.114					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	30.551	-97	2.821	-205	26.88	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			1.176					Min	42.529	748.512	0,000	3.652	24,0	
	100%	29.860	-97	7.354	-512	10.37	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			1.176					Min	42.529	748.512	0,000	3.652	24,0	
Pilastro Acciaio 6	0%	84.341	-1.519	-1.722	-2.132	14.31	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			653					Min	42.529	748.512	0,000	3.652	24,0	
	50,0%	81.853	-1.070	-393	1.255	29.39	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			628					Min	42.529	748.512	0,000	3.652	24,0	
	100%	80.518	-1.045	960	4.093	9.32	PLS	Max	87.117	268.087	0,000	1.308	7,0	1.452.283
			553					Min	42.529	748.512	0,000	3.652	24,0	

LEGENDA:

Pilastro Identificativo del pilastro. L'eventuale lettera tra parentesi distingue i diversi tratti della pilastrata al livello considerato.
%L_{LI} Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
N_{Ed} Sforzo normale di progetto.
V_{Ed} Taglio di progetto utilizzato per il calcolo di ρ .
$M_{Ed,3}$ Momento flettente di progetto intorno a 3.
$M_{Ed,2}$ Momento flettente di progetto intorno a 2.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
Tp Vr Tipo di verifica considerata: "PLS" = con Modulo di resistenza plastico; "ELA" = con modulo di resistenza elastico; "EFF" = con modulo di resistenza efficace.
max/min [max] = valore per la verifica con modulo di resistenza maggiore; [min] = valore per la verifica con modulo di resistenza minore.
$M_{c,Rd}$ Momento resistente.
$V_{c,Rd}$ Taglio resistente.
ρ Coefficiente riduttivo per presenza di taglio.
A_v Area resistente a taglio.
t_w Spessore anima.
$N_{pl,Rd}$ Resistenza plastica a Sforzo Normale.

PILASTRI (AC) - VERIFICHE A TAGLIO (Elevazione) per pressoflessione deviata allo SLD

Pilastro	%L_{LI}	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.	Ω_{Min}
	[%]		[mm²]	[N/mm²]	[N]	[N]		
Piano Terra								
Pilastro Acciaio 1	0%	NS	1.308	0,37	-928	267.895	Piano XX	-
	50,0%	NS	1.308	0,37	-928	267.895	Piano XX	-
	100%	NS	1.308	0,37	-928	267.895	Piano XX	-
Pilastro Acciaio 2	0%	65,35	1.308	0,31	-4.100	267.922	Piano XX	-
	50,0%	65,35	1.308	0,31	-4.100	267.922	Piano XX	-
	100%	65,35	1.308	0,31	-4.100	267.922	Piano XX	-
Pilastro Acciaio 3	0%	NS	1.308	0,37	-2.312	267.895	Piano XX	-

Pilastri (AC) - Verifiche a taglio

Pilastro	$\%L_{LI}$	CS	A_v	$\tau_{T,Ed}$	V_{Ed}	$V_{c,Rd}$	P. Vrf.	Ω_{Min}
	[%]		[mm²]	[N/mm²]	[N]	[N]		
	50,0%	NS	1.308	0,37	-2.312	267.895	Piano XX	-
	100%	NS	1.308	0,37	-2.312	267.895	Piano XX	-
Pilastro Acciaio 4	0%	NS	1.308	0,42	704	267.867	Piano XX	-
	50,0%	NS	1.308	0,42	704	267.867	Piano XX	-
	100%	NS	1.308	0,42	704	267.867	Piano XX	-
Pilastro Acciaio 8	0%	94,70	1.308	0,37	-2.829	267.895	Piano XX	-
	50,0%	94,70	1.308	0,37	-2.829	267.895	Piano XX	-
	100%	94,70	1.308	0,37	-2.829	267.895	Piano XX	-
Pilastro Acciaio 7	0%	NS	1.308	0,31	-2.177	267.922	Piano XX	-
	50,0%	NS	1.308	0,31	-2.177	267.922	Piano XX	-
	100%	NS	1.308	0,31	-2.177	267.922	Piano XX	-
Pilastro Acciaio 5	0%	80,46	1.308	0,31	3.330	267.922	Piano XX	-
	50,0%	80,46	1.308	0,31	3.330	267.922	Piano XX	-
	100%	80,46	1.308	0,31	3.330	267.922	Piano XX	-
Pilastro Acciaio 9	0%	42,97	1.308	0,21	-6.237	267.977	Piano XX	-
	50,0%	42,97	1.308	0,21	-6.237	267.977	Piano XX	-
	100%	42,97	1.308	0,21	-6.237	267.977	Piano XX	-
Pilastro Acciaio 10	0%	NS	1.308	0,31	1.034	267.922	Piano XX	-
	50,0%	NS	1.308	0,31	1.034	267.922	Piano XX	-
	100%	NS	1.308	0,31	1.034	267.922	Piano XX	-
Pilastro Acciaio 11	0%	NS	3.652	0,26	-2.055	748.129	Piano YY	-
	50,0%	NS	3.652	0,26	-2.055	748.129	Piano YY	-
	100%	NS	3.652	0,26	-2.055	748.129	Piano YY	-
Pilastro Acciaio 12	0%	32,31	1.308	0,16	-8.295	268.005	Piano XX	-
	50,0%	32,31	1.308	0,16	-8.295	268.005	Piano XX	-
	100%	32,31	1.308	0,16	-8.295	268.005	Piano XX	-
Pilastro Acciaio 17	0%	29,75	1.308	0,16	9.008	268.005	Piano XX	-
	50,0%	29,75	1.308	0,16	9.008	268.005	Piano XX	-
	100%	29,75	1.308	0,16	9.008	268.005	Piano XX	-
Pilastro Acciaio 16	0%	49,52	1.308	0,16	5.412	268.005	Piano XX	-
	50,0%	49,52	1.308	0,16	5.412	268.005	Piano XX	-
	100%	49,52	1.308	0,16	5.412	268.005	Piano XX	-
Pilastro Acciaio 15	0%	48,16	1.308	0,16	5.565	268.005	Piano XX	-
	50,0%	48,16	1.308	0,16	5.565	268.005	Piano XX	-
	100%	48,16	1.308	0,16	5.565	268.005	Piano XX	-
Pilastro Acciaio 14	0%	33,78	1.308	0,05	7.935	268.060	Piano XX	-
	50,0%	33,78	1.308	0,05	7.935	268.060	Piano XX	-
	100%	33,78	1.308	0,05	7.935	268.060	Piano XX	-
Pilastro Acciaio 13	0%	86,05	1.308	0,26	3.114	267.950	Piano XX	-
	50,0%	86,05	1.308	0,26	3.114	267.950	Piano XX	-
	100%	86,05	1.308	0,26	3.114	267.950	Piano XX	-
Pilastro Acciaio 6	0%	NS	1.308	0,42	1.146	267.867	Piano XX	-
	50,0%	NS	1.308	0,42	1.146	267.867	Piano XX	-
	100%	NS	1.308	0,42	1.146	267.867	Piano XX	-

LEGENDA:

Pilastro Identificativo del pilastro. L'eventuale lettera tra parentesi distingue i diversi tratti della pilastrata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
A_v Area resistente a taglio.
$\tau_{T,Ed}$ Tensione tangenziale di calcolo per torsione.
V_{Ed} Taglio di progetto.
$V_{c,Rd}$ Taglio resistente.
P. Vrf. Piano di minima resistenza.
Ω_{Min} Rapporto minimo momento plastico/momento progetto travi concorrenti.

PILASTRI (AC) - VERIFICHE INSTABILITÀ A PRESSOFLESSIONE DEVIATA (Elevazione)

Pilastri (AC) - Verifiche instabilità a pressoflessione deviata

Pilastro	$N_{eq,Ed}$	$M_{eq,Ed,3}$	$M_{eq,Ed,2}$	CS	P. Vrf.	L_{Cr}	Dir	L_N	λ_{LT}	α	ϕ	χ	β	k_c	χ_{LT}	N_{cr}
	[N]	[N·m]	[N·m]			[m]		[m]								[N]
Piano Terra																
Pilastro Acciaio 1	279.955	-1.732	-1.655	1,41	Piano YY	4,10	x-x	4,10	0,597	0,340	1,030	0,658	1,000	0,692	1,000	677.762
							y-y	4,10	0,453	0,490	1,943	0,315	1,000	0,939	1,000	
Pilastro Acciaio 2	148.495	-2.046	697	2,67	Piano YY	4,10	x-x	4,10	0,567	0,340	1,030	0,658	1,000	0,664	1,000	677.762
							y-y	4,10	0,288	0,490	1,943	0,315	1,000	0,631	1,000	
Pilastro Acciaio 3	185.540	1.139	1.211	2,16	Piano YY	4,10	x-x	4,10	0,498	0,340	1,030	0,658	1,000	0,603	1,000	677.762
							y-y	4,10	0,319	0,490	1,943	0,315	1,000	0,683	1,000	
Pilastro Acciaio 4	258.925	1.802	-2.718	1,43	Piano YY	4,10	x-x	4,10	0,657	0,340	1,030	0,658	1,000	0,747	1,000	677.762
							y-y	4,10	0,388	0,490	1,943	0,315	1,000	0,802	1,000	
Pilastro Acciaio 8	255.043	-2.969	-1.178	1,55	Piano YY	4,10	x-x	4,10	0,509	0,340	1,030	0,658	1,000	0,612	1,000	677.762
							y-y	4,10	0,389	0,490	1,943	0,315	1,000	0,805	1,000	
Pilastro Acciaio 7	172.618	954	553	2,45	Piano YY	4,10	x-x	4,10	0,522	0,340	1,030	0,658	1,000	0,624	1,000	677.762
							y-y	4,10	0,304	0,490	1,943	0,315	1,000	0,659	1,000	
Pilastro Acciaio 5	243.976	3.652	-1.643	1,54	Piano YY	4,10	x-x	4,10	0,515	0,340	1,030	0,658	1,000	0,618	1,000	677.762
							y-y	4,10	0,382	0,490	1,943	0,315	1,000	0,791	1,000	
Pilastro Acciaio 9	208.118	-7.353	-3.451	1,47	Piano YY	4,10	x-x	4,10	0,600	0,340	1,030	0,658	1,000	0,695	1,000	677.762
							y-y	4,10	0,347	0,490	1,943	0,315	1,000	0,731	1,000	
Pilastro Acciaio 10	252.889	2.031	2.321	1,48	Piano YY	4,10	x-x	4,10	0,802	0,340	1,030	0,658	1,000	0,896	0,861	677.762
							y-y	4,10	0,322	0,490	1,943	0,315	1,000	0,688	1,000	
Pilastro Acciaio 11	293.531	-1.688	2.409	1,30	Piano	4,10	x-x	4,10	0,600	0,340	1,030	0,658	1,000	0,695	1,000	677.762

Pilastri (AC) - Verifiche instabilità a pressoflessione deviata

Pilastro	$N_{eq,Ed}$	$M_{eq,Ed,3}$	$M_{eq,Ed,2}$	CS	P. Vrf.	L_{Cr}	Dir	L_N	λ_{LT}	α	ϕ	χ	β	k_c	χ_{LT}	N_{cr}
	[N]	[N·m]	[N·m]			[m]		[m]								[N]
					YY		y-y	4,10	0,322	0,490	1,943	0,315	1,000	0,688	1,000	
Pilastro Acciaio 12	194.038	-12.589	1.234	1,57	Piano YY	4,10	x-x	4,10	0,610	0,340	1,030	0,658	1,000	0,704	1,000	677.762
							y-y	4,10	0,310	0,490	1,943	0,315	1,000	0,668	1,000	
Pilastro Acciaio 17	99.521	13.087	-416	2,52	Piano YY	4,10	x-x	4,10	0,624	0,340	1,030	0,658	1,000	0,716	1,000	677.762
							y-y	4,10	0,331	0,490	1,943	0,315	1,000	0,703	1,000	
Pilastro Acciaio 16	122.898	8.891	466	2,51	Piano YY	4,10	x-x	4,10	0,647	0,340	1,030	0,658	1,000	0,737	1,000	677.762
							y-y	4,10	0,350	0,490	1,943	0,315	1,000	0,735	1,000	
Pilastro Acciaio 15	107.891	8.033	131	2,92	Piano YY	4,10	x-x	4,10	0,643	0,340	1,030	0,658	1,000	0,733	1,000	677.762
							y-y	4,10	0,423	0,490	1,943	0,315	1,000	0,869	1,000	
Pilastro Acciaio 14	51.205	16.243	-599	3,04	Piano YY	4,10	x-x	4,10	0,612	0,340	1,030	0,658	1,000	0,705	1,000	677.762
							y-y	4,10	0,317	0,490	1,943	0,315	1,000	0,679	1,000	
Pilastro Acciaio 13	57.062	-3.610	-312	5,61	Piano YY	4,10	x-x	4,10	0,526	0,340	1,030	0,658	1,000	0,628	1,000	677.762
							y-y	4,10	0,291	0,490	1,943	0,315	1,000	0,638	1,000	
Pilastro Acciaio 6	131.079	-626	534	3,21	Piano YY	4,10	x-x	4,10	0,551	0,340	1,030	0,658	1,000	0,650	1,000	677.762
							y-y	4,10	0,301	0,490	1,943	0,315	1,000	0,654	1,000	

LEGENDA:

Pilastro Identificativo del pilastro. L'eventuale lettera tra parentesi distingue i diversi tratti della pilastrata al livello considerato.
$N_{eq,Ed}$ Sforzo Normale equivalente di progetto.
$M_{eq,Ed,3}$ Momento equivalente di progetto intorno a 3.
$M_{eq,Ed,2}$ Momento equivalente di progetto intorno a 2.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
P. Vrf. Piano di minima resistenza.
L_{Cr} Lunghezza di libera inflessione laterale, misurata tra due ritegni torsionali successivi.
L_N Luce libera di inflessione.
λ_{LT} Coefficiente di snellezza normalizzata (per il calcolo di Φ_{LT}).
α Fattore di imperfezione.
ϕ Coefficiente ϕ (per il calcolo di χ).
χ Coefficiente di riduzione per instabilità a compressione
β Coefficiente di riduzione della luce libera di inflessione.
k_c Coefficiente per il calcolo di χ_{LT}
χ_{LT} Coefficiente di riduzione ai fini dell'instabilità flessotorsionale.
N_{cr} Sforzo Normale Critico Euleriano.

PILASTRI (AC) - VERIFICA DI SNELLEZZA (Elevazione)

Pilastri - VERIFICA DI SNELLEZZA

Id	P/S	L_0	i	λ_0	$\lambda_{0,lim}$	CS
		[mm]	[mm]			
Piano Terra						
Pilastro Acciaio 1	-	4100	35,77	115	200	1,74
Pilastro Acciaio 2	-	4100	35,77	115	200	1,74
Pilastro Acciaio 3	-	4100	35,77	115	200	1,74
Pilastro Acciaio 4	-	4100	35,77	115	200	1,74
Pilastro Acciaio 8	-	4100	35,77	115	200	1,74
Pilastro Acciaio 7	-	4100	35,77	115	200	1,74
Pilastro Acciaio 5	-	4100	35,77	115	200	1,74
Pilastro Acciaio 9	-	4100	35,77	115	200	1,74
Pilastro Acciaio 10	-	4100	35,77	115	200	1,74
Pilastro Acciaio 11	-	4100	35,77	115	200	1,74
Pilastro Acciaio 12	-	4100	35,77	115	200	1,74
Pilastro Acciaio 17	-	4100	35,77	115	200	1,74
Pilastro Acciaio 16	-	4100	35,77	115	200	1,74
Pilastro Acciaio 15	-	4100	35,77	115	200	1,74
Pilastro Acciaio 14	-	4100	35,77	115	200	1,74
Pilastro Acciaio 13	-	4100	35,77	115	200	1,74
Pilastro Acciaio 6	-	4100	35,77	115	200	1,74

LEGENDA:

Id Identificativo dell'elemento.
P/S Tipologia trave acciaio: Principale (P) o Secondaria (S)
L_0 Lunghezza di inflessione
i Raggio d'inerzia
λ_0 Snellezza
$\lambda_{0,lim}$ Snellezza limite
CS Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR]= Verifica Non Richiesta).

PIANI - VERIFICHE REGOLARITÀ (Elevazione)

REGOLARITÁ DELLA STRUTTURA IN PIANTA		
a)	la configurazione in pianta è compatta ossia la distribuzione di masse e rigidezze è approssimativamente simmetrica rispetto a due direzioni ortogonali e il contorno di ogni orizzontamento è convesso; il requisito può ritenersi soddisfatto, anche in presenza di rientranze in pianta, quando esse non influenzano significativamente la rigidezza nel piano dell'orizzontamento e, per ogni rientranza, l'area compresa tra il perimetro dell'orizzontamento e la linea convessa circoscritta all'orizzontamento non supera il 5% dell'area dell'orizzontamento;	SI
b)	il rapporto tra i lati del rettangolo circoscritto alla pianta di ogni orizzontamento è inferiore a 4;	SI
c)	ciascun orizzontamento ha una rigidezza nel proprio piano tanto maggiore della corrispondente rigidezza degli elementi strutturali verticali da potersi assumere che la sua deformazione in pianta influenzi in modo trascurabile la distribuzione delle azioni sismiche tra questi ultimi e ha resistenza sufficiente a garantire l'efficacia di tale distribuzione;	SI
		La struttura è regolare in pianta.
REGOLARITÁ DELLA STRUTTURA IN ALTEZZA		

d)	tutti i sistemi resistenti alle azioni orizzontali si estendono per tutta l'altezza della costruzione o, se sono presenti parti aventi differenti altezze, fino alla sommità della rispettiva parte dell'edificio;	SI
e)	massa e rigidezza rimangono costanti o variano gradualmente, senza bruschi cambiamenti, dalla base alla sommità della costruzione (le variazioni di massa da un orizzontamento all'altro non superano il 25%, la rigidezza non si riduce da un orizzontamento a quello sovrastante più del 30% e non aumenta più del 10%); ai fini della rigidezza si possono considerare regolari in altezza strutture dotate di pareti o nuclei in c.a. o di pareti e nuclei in muratura di sezione costante sull'altezza o di telai controventati in acciaio, ai quali sia affidato almeno il 50% dell'azione sismica alla base;	SI
f)	nelle strutture intelaiate, il rapporto tra la capacità e la domanda allo SLV non è significativamente diverso, in termini di resistenza, per orizzontamenti diversi (tale rapporto, calcolato per un generico orizzontamento, non deve differire più del 30% dall'analogo rapporto calcolato per l'orizzontamento adiacente); può fare eccezione l'ultimo orizzontamento di strutture intelaiate di almeno tre orizzontamenti;	SI
g)	eventuali restringimenti della sezione orizzontale della costruzione avvengano con continuità da un orizzontamento al successivo; oppure avvengano in modo che il rientro di un orizzontamento non superi il 10% della dimensione corrispondente all'orizzontamento immediatamente sottostante, né il 30% della dimensione corrispondente al primo orizzontamento. Fa eccezione l'ultimo orizzontamento di costruzioni di almeno quattro orizzontamenti, per il quale non sono previste limitazioni di restringimento;	SI
		La struttura è regolare in altezza.

Piani - Verifiche Regolarità

Id_{Piano}	Q_{Lv}	H_{Lv}	Rd_{Tmp}	Ir_{Tmp}	M_{SLU}	K_{SLU}		R_{eff}		R_{ric}	
						X	Y	X	Y	X	Y
	[m]	[m]			[N-s²/m]	[N/cm]	[N/cm]	[N]	[N]	[N]	[N]
Piano Terra	0,00	4,10	NO	NO	139.415	159.808	134.144	0	0	0	0

LEGENDA:

Id_{Piano} Identificativo del livello o piano.
Q_{Lv} Quota del livello o piano.
H_{Lv} Altezza del livello o piano.
Rd_{Tmp} Per i piani con riduzione dei tamponamenti, sono state incrementate le azioni di calcolo per gli elementi verticali (pilastri e pareti) di un fattore 1,4: [SI] = Piano con riduzione dei tamponamenti - [NO] = Piano senza riduzione dei tamponamenti.
Ir_{Tmp} Per piani con distribuzione dei tamponamenti in pianta fortemente irregolare, l'eccentricità accidentale è stata incrementata di un fattore pari a 2: [SI] = Distribuzione tamponamenti irregolare fortemente - [NO] = Distribuzione tamponamenti regolare.
M_{SLU} Massa eccitabile della struttura allo S.L. Ultimo, nelle direzioni X, Y, Z.
K_{SLU} Valori delle Rigidezze di Piano, valutate allo SLU, riferite agli assi X ed Y del riferimento globale.
R_{eff} Valori delle Resistenze Effettive di Piano, valutate allo SLU, relative al sistema di riferimento globale X, Y, Z.
R_{ric} Valori delle Resistenze Richieste di Piano, valutate allo SLU, relative al sistema di riferimento globale X, Y, Z.
(*) Vedi tabelle "Livelli o Piani" o "Solai e Balconi".

EFFETTI DELLE NON LINEARITÀ GEOMETRICHE PER SISMA (Elevazione)

Effetti delle non linearità geometriche per sisma

Id_{Piano}	Q_{Lv}	H_{Lv}	$\delta_{d,X}$	$\delta_{d,Y}$	$P_{\theta,X}$	$P_{\theta,Y}$	$T_{\theta,X}$	$T_{\theta,Y}$	Θ_X	Θ_Y
	[m]	[m]	[cm]	[cm]	[N]	[N]	[N]	[N]		
Piano Terra	0,00	4,10	3,2652	3,7338	1.367.724	1.367.724	521.814	500.873	2,09 E-02	2,49 E-02

LEGENDA:

Id_{Piano} Identificativo del livello o piano.
H_{Lv} Altezza del livello o piano.
$\delta_{d,X}$, $\delta_{d,Y}$ Componenti dello spostamento differenziale rispetto al piano inferiore.
$P_{\theta,X}$, $P_{\theta,Z}$ Valori del carico verticale del piano utilizzato per il calcolo di "θ".
$T_{\theta,X}$, $T_{\theta,Y}$ Valori del tagliante di piano utilizzati per il calcolo di "θ".
θ_X, θ_Y Coefficienti "θ" del piano.
Nota Le forze sismiche orizzontali agenti sui piani caratterizzati da valori di θ compresi tra 0,1 e 0,2, sono state incrementate del fattore "$1/(1-\theta)$", per portare in conto gli effetti del secondo ordine.

PIANI - VERIFICHE AGLI SPOSTAMENTI - SLO (Elevazione)

PIANI - VERIFICHE AGLI SPOSTAMENTI - SLO

Id_{Piano}	Q_{Lv}	H_{Lv}	$\delta_{amm,SLO}$	$\delta_{d,SLO}$		$\Delta\delta_{SLO}$		$C_{lg}T_{mp}$	Note
				X	Y	X	Y		
	[m]	[m]	[cm]	[cm]	[cm]	[cm]	[cm]		
Piano Terra	0,00	4,10	1,3667	1,7728	1,7101	-0,4061	-0,3434	RF	Non verificato

LEGENDA:

Id_{Piano} Identificativo del livello o piano.
Q_{Lv} Quota del livello o piano.
H_{Lv} Altezza del livello o piano.
$\delta_{amm,SLO}$ Spostamento Differenziale ammissibile per SLO.
$\delta_{d,SLO}$ Spostamento Differenziale di progetto allo SLO.
$\Delta\delta_{SLO}$ Differenza fra spostamento limite e quello di calcolo nelle direzioni X e Y.
$C_{lg}T_{mp}$ Tipo di collegamento delle tamponature alla struttura: [R] = Rigido - [E] = Elastico - [RF] = Rigidamente fragili - [RD] = Rigidamente Duttili.

PIANI - VERIFICHE ALLO SLE (Elevazione)

Piani - Verifiche allo SLE

Id_{Piano}	Q_{Lv}	H_{Lv}	$\delta_{amm,SLE}$	$\delta_{d,SLE}$		$\Delta\delta_{SLE}$		Note
				X	Y	X	Y	
	[m]	[m]	[cm]	[cm]	[cm]	[cm]	[cm]	
Piano Terra	0,00	4,10	1,3667	1,0556	0,6373	0,3110	0,7294	Verificato

LEGENDA:

Id_{Piano} Identificativo del livello o piano.
Q_{Lv} Quota del livello o piano.
H_{Lv} Altezza del livello o piano.
$\delta_{amm,SLE}$ Spostamento Differenziale ammissibile.
$\delta_{d,SLE}$ Spostamento Differenziale.
$\Delta\delta_{SLE}$ Differenza fra spostamento limite e quello di calcolo nelle direzioni X e Y.

VERIFICHE COLLEGAMENTI ACCIAIO (Elevazione)

Collegamento di tipo FLANGIA (pilastro/trave passante)

Colleg. 67456

ID Nodo del collegamento: 3

Materiali Collegamenti

Piastre	Saldature	Bulloni	Chiodi	Viti	Spinotti	Precarico	Tipologia serraggio
S355	S355	8.8	-	-	-	No	Non Controllato

Beam

N_{beam}
Pilastro 3
Trave 3a-3
Trave 3-7a

LEGENDA

N_{beam}	Identificativo del beam coinvolto nel collegamento

Verifiche a Rifollamento (Beam)

N_{el}	$Id_{el,x}$	$Id_{el,y}$	$V_{Ed,x}$	$V_{Ed,y}$	$F_{b,Rd,x}$	$F_{b,Rd,y}$	$D_{st,Bl,x}$	$D_{st,Bl,y}$	α_x	α_y	K_x	K_y	CS_x	CS_y
Trave 3a-3	3	3	-986	-388	134.640	134.640	0,0800	0,0560	1,00	1,00	2,50	2,50	NS	NS
Trave 3-7a	3	3	-986	-388	134.640	134.640	0,0800	0,0560	1,00	1,00	2,50	2,50	NS	NS

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Id_{EL}	Indice del BULLONE o TIRAFONDO più sollecitato.
V_{Ed}	Forza di Progetto MASSIMA [N].
$F_{b,Rd}$	Resistenza al rifollamento [N].
$D_{st,Bl}$	Minima distanza per la verifica a rifollamento [m].
α	Coefficiente α
K	Coefficiente K.
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Verifiche a Punzonamento

N_{el}	Id_{El}	N_{Ed}	$B_{p,Rd}$	CS
Trave 3a-3	1	11.353	160.734	14,16
Trave 3-7a	1	11.353	160.734	14,16

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Id_{El}	Indice del BULLONE o TIRAFONDO più sollecitato
N_{Ed}	Forza di Progetto MASSIMA [N].
$B_{p,Rd}$	Resistenza al punzonamento [N].
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Bulloni

N_{blln}	Piastre	Diametro	Diam Foro	Diam Dado	Diam Medio	Area	Area Res	Tratt. Sup.
1	1	12	13	19,00	21	113,0	84,0	Classe B
2	1	12	13	19,00	21	113,0	84,0	Classe B
3	1	12	13	19,00	21	113,0	84,0	Classe B
4	1	12	13	19,00	21	113,0	84,0	Classe B

LEGENDA

N_{blln}	Numero progressivo del bullone nel collegamento di appartenenza.
Piastre	Identificativo delle piastre a cui è associato il bullone nella relativa tabella
Diametro	Diametro Nominale del Bullone [mm]
Diam Foro	Diametro del Foro [mm]
Diam Dado	Diametro del Dado [mm]
Diam Medio	Diametro medio del Dado [mm]
Area	Area nominale (per la verifica sul gambo) [mm^2]
Area Res	Area resistente (per la verifica sulla parte filettata) [mm^2]
Tratt. Sup.	Trattamento superfici a contatto

Verifiche Bullone

N_{blln}	Tipo	$F_{v,Ed}$	$F_{v,Rd}$	CS_{Tg}	$F_{t,Ed}$	$F_{t,Rd}$	CS_{Trz}	CS_{TgTrz}
1	Verifica della parte filettata	1.008	32.256	32,00	595	48.384	81,32	27,40
2	Verifica della parte filettata	961	32.256	33,57	1.841	48.384	26,28	18,80
3	Verifica della parte filettata	1.016	32.256	31,75	9.132	48.384	5,30	6,68

4	Verifica della parte filettata	970	32.256	33,25	11.353	48.384	4,26	5,47

LEGENDA

N_{bIIn}	Identificativo del bullone soggetto a verifica nella relativa tabella
Tipo	Area interessata dalla Verifica
$F_{v,Ed}$	Taglio di Progetto per l'elemento [N]
$F_{v,Rd}$	Taglio Resistente del Bullone [N]
CS_{Tg}	Coefficiente di sicurezza a Taglio
$F_{t,Ed}$	Forza di trazione di Progetto [N]
$F_{t,Rd}$	Resistenza a Trazione del Bullone [N]
CS_{Trz}	Coefficiente di sicurezza a Trazione
CS_{TgTrz}	Coefficiente di Sicurezza per Taglio e Trazione

Piastre

$N_{piastra}$	Tipo	Baric.	Tipo Collg	Sezione	Spessore	Effetto Leva
1	Flangia	X: 54,970; Y: 43,780; Z: 3,890	Bullonata	140x152	10,00	SI
Coordinate (X; Y) dei Bulloni riferite al baricentro della piastra [mm].						
1 = (-54,0; 40,0)	2 = (54,0; 40,0)	3 = (-54,0; -40,0)	4 = (54,0; -40,0)			
Coordinate (X; Y) del baricentro dei Cordoni riferite al baricentro della piastra [mm].						
1 = (42,8; 58,0) 8 = (-3,5; 0,0)	2 = (42,8; -58,0)	3 = (-42,8; -58,0)	4 = (-42,8; 58,0)	5 = (0,0; 70,0)	6 = (0,0; -70,0)	7 = (3,5; 0,0)

LEGENDA

$N_{piastra}$	Identificativo della piastra nel collegamento di appartenenza.
Tipo	Tipo di piastra.
Baric.	Coordinate del Baricentro della piastra [m].
Tipo Collg	Tipo Collegamento piastra.
Sezione	Ingombro della sezione della piastra [mm].
Spessore	Spessore della piastra [mm].
Effetto Leva	Indica se il calcolo è stato effettuato considerando l'Effetto Leva

Verifiche a Rifollamento (Piastra)

N_{el}	$Id_{el,x}$	$Id_{el,y}$	$V_{Ed,x}$	$V_{Ed,y}$	$F_{b,Rd,x}$	$F_{b,Rd,y}$	$D_{st,Bl,x}$	$D_{st,Bl,y}$	α_x	α_y	K_x	K_y	CS_x	CS_y
1	4	3	-388	986	50.215	78.915	0,0160	0,0360	0,41	0,92	2,50	1,75	NS	80,04

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Id_{EL}	Indice del BULLONE o TIRAFONDO più sollecitato.
V_{Ed}	Forza di Progetto MASSIMA [N].
$F_{b,Rd}$	Resistenza al rifollamento [N].
$D_{st,Bl}$	Minima distanza per la verifica a rifollamento [m].
α	Coefficiente α
K	Coefficiente K.
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Verifiche a Tensione

N_{el}	$Ln_{Sez,X}$	$Ln_{Sez,Y}$	$N_{Ed.X}$	$N_{Ed.Y}$	$R_{d.X}$	$R_{d.Y}$	CS_X	CS_Y
1	0,1260	0,1140	723	1.925	462.672	418.608	NS	NS

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Ln_{Sez}	Lunghezza della sezione resistente [m].
N_{Ed}	Forza di Progetto MASSIMA [N].
R_d	Resistenza della sezione resistente [N].
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Verifiche a Punzonamento

N_{el}	Id_{El}	N_{Ed}	$B_{p,Rd}$	CS
1	4	11.353	146.122	12,87

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Id_{El}	Indice del BULLONE o TIRAFONDO più sollecitato
N_{Ed}	Forza di Progetto MASSIMA [N].
$B_{p,Rd}$	Resistenza al punzonamento [N].
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Verifiche a Flessione

N_{el}	σX	σY	τX	τY	$\sigma_{Id.X}$	$\sigma_{Id.Y}$	σ_A	CoeffSic.X	CoeffSic.Y
1	0,00	0,00	0,00	0,00	0,00	0,00	338,10	NS	NS

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
σ	σ a flessione nella sezione d'attacco [N/mm^2].
τ	τ nella sezione d'attacco [N/mm^2].
σ_{Id}	σ Ideale MASSIMA nella sezione d'attacco [N/mm^2].

Collegamento di tipo FLANGIA (pilastro/trave passante)

σ_A	σ di progetto
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Cordoni

$N_{cordone}$	Piastre	Categoria	Tipo Sez	Altezza Gola	Spessore	Lunghezza
1	1	d'angolo	lineare	4,24	6	55
2	1	d'angolo	lineare	4,24	6	55
3	1	d'angolo	lineare	4,24	6	55
4	1	d'angolo	lineare	4,24	6	55
5	1	d'angolo	lineare	4,24	6	140
6	1	d'angolo	lineare	4,24	6	140
7	1	d'angolo	lineare	4,24	6	92
8	1	d'angolo	lineare	4,24	6	92

LEGENDA

$N_{cordone}$	Numero progressivo del cordone nel collegamento di appartenenza.
Piastre	Identificativo delle piastre a cui è associato il cordone nella relativa tabella
Categoria	Categoria di saldatura
Tipo Sez	Tipo sezione gola della saldatura
Altezza Gola	Altezza della sezione di gola [mm].
Spessore	Spessore del cordone [mm].
Lunghezza	Lunghezza del cordone [mm].

Verifiche Cordone

$N_{cordone}$	$\tau_{Par\ iniz.}$	$\tau_{Par\ fin.}$	$t_{Ort\ iniz.}$	$t_{Ort\ fin.}$	$n_{Ort\ iniz.}$	$n_{Ort\ fin.}$	Fyk	$\beta1$	$\beta2$	CS
1	0,3	0,3	0,7	0,6	64,8	81,9	355,0	0,70	0,85	3,03
2	0,3	0,2	1,2	0,7	64,7	48,5	355,0	0,70	0,85	3,84
3	0,2	0,2	1,2	1,2	106,2	77,7	355,0	0,70	0,85	2,34
4	0,1	0,3	0,6	0,5	94,9	128,5	355,0	0,70	0,85	1,93
5	0,1	0,2	0,6	0,7	137,5	78,8	355,0	0,70	0,85	1,81
6	0,2	0,2	0,7	1,2	62,5	115,2	355,0	0,70	0,85	2,16
7	0,6	1,2	0,3	0,3	76,5	62,3	355,0	0,70	0,85	3,25
8	1,2	0,6	0,2	0,1	67,0	81,2	355,0	0,70	0,85	3,06

LEGENDA

$N_{cordone}$	Numero progressivo del cordone nel collegamento di appartenenza.
$\tau_{Par\ iniz.}$	τ Parallela alla lunghezza - punto iniziale - [N/mm^2].
$\tau_{Par\ fin.}$	τ Parallela alla lunghezza - punto finale - [N/mm^2].
$t_{Ort\ iniz.}$	t Ortogonale alla lunghezza - punto iniziale - [N/mm^2].
$t_{Ort\ fin.}$	t Ortogonale alla lunghezza - punto finale - [N/mm^2].
$n_{Ort\ iniz.}$	n Ortogonale alla lunghezza - punto iniziale - [N/mm^2].
$n_{Ort\ fin.}$	n Ortogonale alla lunghezza - punto finale - [N/mm^2].
Fyk	Resistenza di calcolo del materiale di base [N/mm^2].
$\beta1$	Coefficiente riduttivo Beta1 della resistenza di base.
$\beta2$	Coefficiente riduttivo Beta2 della resistenza di base.
CS	Coefficiente di sicurezza per la Sigma.

Colleg. 67460

ID Nodo del collegamento: 33

Materiali Collegamenti

Piastre	Saldature	Bulloni	Chiodi	Viti	Spinotti	Precarico	Tipologia serraggio
S355	S355	8.8	-	-	-	No	Non Controllato

Beam

N_{beam}
Pilastro 7
Trave 7-15a
Trave 11a-7

LEGENDA

N_{beam}	Identificativo del beam coinvolto nel collegamento

Verifiche a Rifollamento (Beam)

N_{el}	$Id_{el,x}$	$Id_{el,y}$	$V_{Ed,x}$	$V_{Ed,y}$	$F_{b,Rd,x}$	$F_{b,Rd,y}$	$D_{st,Bl,x}$	$D_{st,Bl,y}$	α_x	α_y	K_x	K_y	CS_x	CS_y
Trave 7-15a	6	1	-650	-162	104.432	134.640	0,0400	0,1080	0,78	1,00	2,50	2,50	NS	NS
Trave 11a-7	6	1	-650	-162	104.432	134.640	0,0400	0,1080	0,78	1,00	2,50	2,50	NS	NS

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Id_{EL}	Indice del BULLONE o TIRAFONDO più sollecitato.
V_{Ed}	Forza di Progetto MASSIMA [N].

Collegamento di tipo FLANGIA (pilastro/trave passante)

$F_{b,Rd}$	Resistenza al rifollamento [N].
$D_{st,Bl}$	Minima distanza per la verifica a rifollamento [m].
α	Coefficiente α
K	Coefficiente K.
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Verifiche a Punzonamento

N_{el}	Id_{El}	N_{Ed}	$B_{p,Rd}$	CS
Trave 7-15a	1	10.411	160.734	15,44
Trave 11a-7	1	10.411	160.734	15,44

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Id_{El}	Indice del BULLONE o TIRAFONDO più sollecitato
N_{Ed}	Forza di Progetto MASSIMA [N].
$B_{p,Rd}$	Resistenza al punzonamento [N].
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Bulloni

N_{blln}	Piastre	Diametro	Diam Foro	Diam Dado	Diam Medio	Area	Area Res	Tratt. Sup.
1	1	12	13	19,00	21	113,0	84,0	Classe B
2	1	12	13	19,00	21	113,0	84,0	Classe B
3	1	12	13	19,00	21	113,0	84,0	Classe B
4	1	12	13	19,00	21	113,0	84,0	Classe B
5	1	12	13	19,00	21	113,0	84,0	Classe B
6	1	12	13	19,00	21	113,0	84,0	Classe B

LEGENDA

N_{blln}	Numero progressivo del bullone nel collegamento di appartenenza.
Piastre	Identificativo delle piastre a cui è associato il bullone nella relativa tabella
Diametro	Diametro Nominale del Bullone [mm]
Diam Foro	Diametro del Foro [mm]
Diam Dado	Diametro del Dado [mm]
Diam Medio	Diametro medio del Dado [mm]
Area	Area nominale (per la verifica sul gambo) [mm^2]
Area Res	Area resistente (per la verifica sulla parte filettata) [mm^2]
Tratt. Sup.	Trattamento superfici a contatto

Verifiche Bullone

N_{blln}	Tipo	$F_{v,Ed}$	$F_{v,Rd}$	CS_{Tg}	$F_{t,Ed}$	$F_{t,Rd}$	CS_{Trz}	CS_{TgTrz}
1	Verifica della parte filettata	621	32.256	51,94	10.411	48.384	4,65	6,05
2	Verifica della parte filettata	657	32.256	49,10	9.491	48.384	5,10	6,62
3	Verifica della parte filettata	618	32.256	52,19	3.634	48.384	13,31	14,17
4	Verifica della parte filettata	654	32.256	49,32	2.915	48.384	16,60	16,37
5	Verifica della parte filettata	619	32.256	52,11	5.413	48.384	8,94	10,94
6	Verifica della parte filettata	655	32.256	49,25	4.507	48.384	10,74	12,94

LEGENDA

N_{blln}	Identificativo del bullone soggetto a verifica nella relativa tabella
Tipo	Area interessata dalla Verifica
$F_{v,Ed}$	Taglio di Progetto per l'elemento [N]
$F_{v,Rd}$	Taglio Resistente del Bullone [N]
CS_{Tg}	Coefficiente di sicurezza a Taglio
$F_{t,Ed}$	Forza di trazione di Progetto [N]
$F_{t,Rd}$	Resistenza a Trazione del Bullone [N]
CS_{Trz}	Coefficiente di sicurezza a Trazione
CS_{TgTrz}	Coefficiente di Sicurezza per Taglio e Trazione

Piastre

$N_{piastra}$	Tipo	Baric.	Tipo Collg	Sezione	Spessore	Effetto Leva
1	Flangia	X: 54,970; Y: 46,340; Z: 3,890	Bullonata	140x152	10,00	SI
Coordinate (X; Y) dei Bulloni riferite al baricentro della piastra [mm].						
1 = (-54,0; 40,0)	2 = (54,0; 40,0)	3 = (-54,0; -40,0)	4 = (54,0; -40,0)	5 = (-54,0; 0,0)	6 = (54,0; 0,0)	
Coordinate (X; Y) del baricentro dei Cordoni riferite al baricentro della piastra [mm].						
1 = (-42,8; -58,0) 8 = (3,5; 0,0)	2 = (-42,8; 58,0)	3 = (42,8; 58,0)	4 = (42,8; -58,0)	5 = (0,0; -70,0)	6 = (0,0; 70,0)	7 = (-3,5; 0,0)

LEGENDA

$N_{piastra}$	Identificativo della piastra nel collegamento di appartenenza.

Collegamento di tipo FLANGIA (pilastro/trave passante)

Tipo	Tipo di piastra.
Baric.	Coordinate del Baricentro della piastra [m].
Tipo Collg	Tipo Collegamento piastra.
Sezione	Ingombro della sezione della piastra [mm].
Spessore	Spessore della piastra [mm].
Effetto Leva	Indica se il calcolo è stato effettuato considerando l'Effetto Leva

Verifiche a Rifollamento (Piastra)

N_{el}	$Id_{el,x}$	$Id_{el,y}$	$V_{Ed,x}$	$V_{Ed,y}$	$F_{b,Rd,x}$	$F_{b,Rd,y}$	$D_{st,Bl,x}$	$D_{st,Bl,y}$	α_x	α_y	K_x	K_y	CS_x	CS_y
1	1	4	162	-650	50.215	66.311	0,0160	0,0400	0,41	0,78	2,50	1,75	NS	NS

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Id_{EL}	Indice del BULLONE o TIRAFONDO più sollecitato.
V_{Ed}	Forza di Progetto MASSIMA [N].
$F_{b,Rd}$	Resistenza al rifollamento [N].
$D_{st,Bl}$	Minima distanza per la verifica a rifollamento [m].
α	Coefficiente α
K	Coefficiente K.
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Verifiche a Tensione

N_{el}	$Ln_{Sez,X}$	$Ln_{Sez,Y}$	$N_{Ed.X}$	$N_{Ed.Y}$	$R_{d.X}$	$R_{d.Y}$	CS_X	CS_Y
1	0,1130	0,1400	431	-2.528	414.936	473.333	NS	NS

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Ln_{Sez}	Lunghezza della sezione resistente [m].
N_{Ed}	Forza di Progetto MASSIMA [N].
R_d	Resistenza della sezione resistente [N].
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Verifiche a Punzonamento

N_{el}	Id_{El}	N_{Ed}	$B_{p,Rd}$	CS
1	1	10.411	146.122	14,04

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
Id_{El}	Indice del BULLONE o TIRAFONDO più sollecitato
N_{Ed}	Forza di Progetto MASSIMA [N].
$B_{p,Rd}$	Resistenza al punzonamento [N].
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Verifiche a Flessione

N_{el}	σX	σY	τX	τY	$\sigma_{Id.X}$	$\sigma_{Id.Y}$	σ_A	CoeffSic.X	CoeffSic.Y
1	0,00	0,00	0,00	0,00	0,00	0,00	338,10	NS	NS

LEGENDA

N_{el}	Identificativo della piastra o del beam soggetta a verifica.
σ	σ a flessione nella sezione d'attacco [N/mm^2].
τ	τ nella sezione d'attacco [N/mm^2].
σ_{Id}	σ Ideale MASSIMA nella sezione d'attacco [N/mm^2].
σ_A	σ di progetto
CS	Coefficiente di sicurezza ([NS] = Non Significativo per valori di CS >= 100; [VNR] = Verifica Non Richiesta).

Cordoni

$N_{cordone}$	Piastre	Categoria	Tipo Sez	Altezza Gola	Spessore	Lunghezza
1	1	d'angolo	lineare	4,24	6	55
2	1	d'angolo	lineare	4,24	6	55
3	1	d'angolo	lineare	4,24	6	55
4	1	d'angolo	lineare	4,24	6	55
5	1	d'angolo	lineare	4,24	6	140
6	1	d'angolo	lineare	4,24	6	140
7	1	d'angolo	lineare	4,24	6	92
8	1	d'angolo	lineare	4,24	6	92

LEGENDA

$N_{cordone}$	Numero progressivo del cordone nel collegamento di appartenenza.
Piastre	Identificativo delle piastre a cui è associato il cordone nella relativa tabella
Categoria	Categoria di saldatura
Tipo Sez	Tipo sezione gola della saldatura
Altezza Gola	Altezza della sezione di gola [mm].
Spessore	Spessore del cordone [mm].
Lunghezza	Lunghezza del cordone [mm].

Verifiche Cordone

$N_{cordone}$	$\tau_{Par\ iniz.}$	$\tau_{Par\ fin.}$	$t_{Ort\ iniz.}$	$t_{Ort\ fin.}$	$n_{Ort\ iniz.}$	$n_{Ort\ fin.}$	Fyk	$\beta 1$	$\beta 2$	CS
1	0,1	0,1	0,8	0,7	75,9	82,3	355,0	0,70	0,85	3,02
2	0,2	0,2	1,2	1,1	70,4	64,0	355,0	0,70	0,85	3,53
3	0,1	0,1	1,2	1,2	90,8	76,4	355,0	0,70	0,85	2,74

Collegamento di tipo FLANGIA (pilastro/trave passante)

4	0,0	0,0	0,7	0,7	88,3	102,7	355,0	0,70	0,85	2,42
5	0,0	0,1	0,7	0,8	116,4	89,6	355,0	0,70	0,85	2,13
6	0,2	0,1	1,1	1,2	74,2	101,1	355,0	0,70	0,85	2,46
7	0,7	1,2	0,1	0,2	75,2	65,4	355,0	0,70	0,85	3,31
8	1,2	0,7	0,1	0,0	67,5	77,3	355,0	0,70	0,85	3,21

LEGENDA

$N_{cordone}$	Numero progressivo del cordone nel collegamento di appartenenza.
$\tau_{Par\ iniz.}$	τ Parallela alla lunghezza - punto iniziale - [N/mm^2].
$\tau_{Par\ fin.}$	τ Parallela alla lunghezza - punto finale - [N/mm^2].
$t_{Ort\ iniz.}$	t Ortogonale alla lunghezza - punto iniziale - [N/mm^2].
$t_{Ort\ fin.}$	t Ortogonale alla lunghezza - punto finale - [N/mm^2].
$n_{Ort\ iniz.}$	n Ortogonale alla lunghezza - punto iniziale - [N/mm^2].
$n_{Ort\ fin.}$	n Ortogonale alla lunghezza - punto finale - [N/mm^2].
Fyk	Resistenza di calcolo del materiale di base [N/mm^2].
β1	Coefficiente riduttivo Beta1 della resistenza di base.
β2	Coefficiente riduttivo Beta2 della resistenza di base.
CS	Coefficiente di sicurezza per la Sigma.

TRAVI (CA) - VERIFICHE PRESSOFLESSIONE RETTA (Fondazione)

Travi (CA) - Verifiche pressoflessione retta allo SLU

Id_{Tr}	$\%L_{LI}$	$N_{Ed,s}$	$M_{Ed,3,s}$	$N_{Ed,i}$	$M_{Ed,3,i}$	$A_{s,s}$	$A_{s,i}$	CS_s	$(X/d)_s$	CS_i	$(X/d)_i$	R_f
	[%]	[N]	[N·m]	[N]	[N·m]	[cm^2]	[cm^2]					
Fondazione							**Trave 1-2-3-4**					
Trave 1-2	0%	0	58.686	0	73.606	12,57	12,57	2.54[S]	VNR	2.03[S]	VNR	NO
	12,5%	0	34.243	0	45.160	12,57	12,57	4.36[S]	VNR	3.31[S]	VNR	NO
	25,0%	0	21.083	0	12.788	12,57	12,57	7.09[S]	VNR	11.69[S]	VNR	NO
	37,5%	0	18.774	0	0	12,57	12,57	8.31[V]	VNR	-	VNR	NO
	50,0%	0	18.817	0	1.915	12,57	12,57	8.29[V]	VNR	78.10[S]	VNR	NO
	62,5%	0	22.558	0	17.488	12,57	12,57	6.63[S]	VNR	8.55[S]	VNR	NO
	75,0%	0	24.986	0	37.590	12,57	12,57	5.98[S]	VNR	3.97[S]	VNR	NO
	87,5%	0	25.002	0	61.496	12,57	12,57	5.98[S]	VNR	2.43[S]	VNR	NO
	100,0%	0	26.073	0	64.234	25,13	25,13	11.17[S]	VNR	4.53[S]	VNR	NO
Trave 2-3	0%	0	19.931	0	32.571	25,13	25,13	14.61[S]	VNR	8.94[S]	VNR	NO
	12,5%	0	19.236	0	28.354	12,57	12,57	7.77[S]	VNR	5.27[S]	VNR	NO
	25,0%	0	18.769	0	12.589	12,57	12,57	7.96[S]	VNR	11.88[S]	VNR	NO
	37,5%	0	17.641	0	1.189	12,57	12,57	8.47[S]	VNR	NS	VNR	NO
	50,0%	0	17.188	0	0	12,57	12,57	9.08[V]	VNR	-	VNR	NO
	62,5%	0	14.346	0	6.871	12,57	12,57	10.87[V]	VNR	21.76[S]	VNR	NO
	75,0%	0	5.850	0	23.499	12,57	12,57	25.56[S]	VNR	6.64[V]	VNR	NO
	87,5%	0	0	0	49.443	12,57	12,57	-	VNR	3.15[V]	VNR	NO
	100%	0	0	0	54.419	25,13	25,13	-	VNR	5.52[V]	VNR	NO
Trave 3-4	0%	0	0	0	76.408	25,13	25,13	-	VNR	3.93[V]	VNR	NO
	12,5%	0	8.804	0	57.910	12,57	12,57	16.98[S]	VNR	2.69[V]	VNR	NO
	25,0%	0	17.675	0	27.645	12,57	12,57	8.46[S]	VNR	5.41[S]	VNR	NO
	37,5%	0	28.053	0	6.058	12,57	12,57	5.56[V]	VNR	24.68[S]	VNR	NO
	50,0%	0	33.386	0	0	12,57	12,57	4.67[V]	VNR	-	VNR	NO
	62,5%	0	33.014	0	0	12,57	12,57	4.72[V]	VNR	-	VNR	NO
	75,0%	0	33.497	0	14.671	12,57	12,57	4.46[S]	VNR	10.19[S]	VNR	NO
	87,5%	0	55.568	0	63.236	12,57	12,57	2.69[S]	VNR	2.36[S]	VNR	NO
	100%	0	56.348	0	74.672	12,57	12,57	2.65[S]	VNR	2.00[S]	VNR	NO
Fondazione							**Trave 9-10-11-12-13**					
Trave 9-10	0%	0	88.529	0	115.807	12,57	12,57	1.68[S]	VNR	1.29[S]	VNR	NO
	12,5%	0	56.886	0	80.918	12,57	12,57	2.62[S]	VNR	1.84[S]	VNR	NO
	25,0%	0	35.414	0	33.899	12,57	12,57	4.22[S]	VNR	4.41[S]	VNR	NO
	37,5%	0	23.869	0	3.536	12,57	12,57	6.53[V]	VNR	42.29[S]	VNR	NO
	50,0%	0	33.027	0	9.343	12,57	12,57	4.52[S]	VNR	16.00[S]	VNR	NO
	62,5%	0	49.406	0	37.594	12,57	12,57	3.02[S]	VNR	3.97[S]	VNR	NO
	75,0%	0	72.145	0	79.679	12,57	12,57	2.07[S]	VNR	1.87[S]	VNR	NO
	87,5%	0	101.965	0	136.359	12,57	12,57	1.46[S]	VNR	1.09[S]	VNR	NO
	100,0%	0	103.348	0	141.198	25,13	25,13	2.81[S]	VNR	2.06[S]	VNR	NO
Trave 11-12	0%	0	61.178	0	169.343	25,13	25,13	4.76[S]	VNR	1.72[S]	VNR	NO
	12,5%	0	40.869	0	126.038	12,57	12,57	3.65[S]	VNR	1.18[S]	VNR	NO
	25,0%	0	31.303	0	65.732	12,57	12,57	4.77[S]	VNR	2.27[S]	VNR	NO
	37,5%	0	26.968	0	24.835	12,57	12,57	5.54[S]	VNR	6.02[S]	VNR	NO
	50,0%	0	34.958	0	0	12,57	12,57	4.46[V]	VNR	-	VNR	NO
	62,5%	0	44.755	0	5.029	12,57	12,57	3.34[S]	VNR	29.74[S]	VNR	NO
	75,0%	0	65.208	0	37.902	12,57	12,57	2.29[S]	VNR	3.94[S]	VNR	NO
	87,5%	0	97.224	0	93.446	12,57	12,57	1.53[S]	VNR	1.60[S]	VNR	NO
	100%	0	99.283	0	105.927	25,13	25,13	2.93[S]	VNR	2.74[S]	VNR	NO
Trave 12-13	0%	0	43.901	0	43.443	25,13	25,13	6.63[S]	VNR	6.70[S]	VNR	NO
	12,5%	0	36.316	0	35.858	25,13	25,13	8.02[S]	VNR	8.12[S]	VNR	NO
	24,9%	0	28.922	0	28.464	12,57	12,57	5.17[S]	VNR	5.25[S]	VNR	NO
	37,5%	0	30.909	0	33.153	12,57	12,57	4.83[S]	VNR	4.51[S]	VNR	NO
	50,0%	0	7.958	0	9.188	12,57	12,57	18.79[S]	VNR	16.27[S]	VNR	NO
	62,5%	0	5.929	0	5.492	12,57	12,57	25.22[S]	VNR	27.23[S]	VNR	NO
	74,9%	0	11.585	0	11.211	12,57	12,57	12.91[S]	VNR	13.34[S]	VNR	NO
	87,5%	0	20.512	0	21.578	12,57	12,57	7.29[S]	VNR	6.93[S]	VNR	NO
	100%	0	33.172	0	36.090	12,57	12,57	4.50[S]	VNR	4.14[S]	VNR	NO
Fondazione							**Trave 14-15-16-17**					

Id_{Tr}	$\%L_{LI}$	$N_{Ed,s}$	$M_{Ed,3,s}$	$N_{Ed,i}$	$M_{Ed,3,i}$	$A_{s,s}$	$A_{s,i}$	CS_s	$(X/d)_s$	CS_i	$(X/d)_i$	R_f
	[%]	[N]	[N·m]	[N]	[N·m]	[cm²]	[cm²]					
Trave 14-15	0%	0	69	0	19.856	12,57	12,57	NS	VNR	7.85[V]	VNR	NO
	12,5%	0	8.264	0	17.823	12,57	12,57	18.88[V]	VNR	8.75[V]	VNR	NO
	25,0%	0	15.036	0	3.603	12,57	12,57	10.37[V]	VNR	43.31[V]	VNR	NO
	37,5%	0	17.684	0	0	12,57	12,57	8.82[V]	VNR	-	VNR	NO
	50,0%	0	17.699	0	0	12,57	12,57	8.81[V]	VNR	-	VNR	NO
	62,5%	0	17.657	0	0	12,57	12,57	8.83[V]	VNR	-	VNR	NO
	75,0%	0	14.956	0	6.751	12,57	12,57	10.43[V]	VNR	22.15[S]	VNR	NO
	87,5%	0	9.502	0	19.283	12,57	12,57	16.42[V]	VNR	8.09[V]	VNR	NO
	100,0%	0	4.794	0	21.244	25,13	25,13	60.76[S]	VNR	14.14[V]	VNR	NO
Trave 15-16	0%	0	18.513	0	33.882	25,13	25,13	15.73[S]	VNR	8.59[S]	VNR	NO
	12,5%	0	14.969	0	26.352	12,57	12,57	9.99[S]	VNR	5.67[S]	VNR	NO
	25,0%	0	14.717	0	10.134	12,57	12,57	10.60[V]	VNR	14.75[S]	VNR	NO
	37,5%	0	16.553	0	0	12,57	12,57	9.42[V]	VNR	-	VNR	NO
	50,0%	0	16.418	0	0	12,57	12,57	9.50[V]	VNR	-	VNR	NO
	62,5%	0	16.158	0	3.198	12,57	12,57	9.65[V]	VNR	46.76[S]	VNR	NO
	75,0%	0	12.396	0	16.272	12,57	12,57	12.06[S]	VNR	9.19[S]	VNR	NO
	87,5%	0	12.423	0	34.701	12,57	12,57	12.03[S]	VNR	4.31[S]	VNR	NO
	100%	0	12.195	0	37.447	25,13	25,13	23.88[S]	VNR	7.77[S]	VNR	NO
Trave 16-17	0%	0	0	0	36.608	25,13	25,13	-	VNR	8.20[V]	VNR	NO
	12,5%	0	6.983	0	28.286	12,57	12,57	22.34[V]	VNR	5.51[V]	VNR	NO
	25,0%	0	18.088	0	6.166	12,57	12,57	8.62[V]	VNR	24.25[S]	VNR	NO
	37,5%	0	24.920	0	0	12,57	12,57	6.26[V]	VNR	-	VNR	NO
	50,0%	0	25.666	0	0	12,57	12,57	6.08[V]	VNR	-	VNR	NO
	62,5%	0	25.790	0	0	12,57	12,57	6.05[V]	VNR	-	VNR	NO
	75,0%	0	21.689	0	791	12,57	12,57	7.19[V]	VNR	NS	VNR	NO
	87,5%	0	11.203	0	18.507	12,57	12,57	13.93[V]	VNR	8.43[V]	VNR	NO
	100,0%	0	5	0	26.549	12,57	12,57	NS	VNR	5.87[V]	VNR	NO
Fondazione							**Trave 1b-1-5-9-14**					
Trave 1b-1	0%	0	1	0	2.364	12,57	12,57	NS	VNR	66.01[V]	VNR	NO
	12,5%	0	611	0	4.775	12,57	12,57	NS	VNR	32.68[V]	VNR	NO
	25,0%	0	2.550	0	10.111	12,57	12,57	58.65[S]	VNR	14.79[S]	VNR	NO
	37,5%	0	6.003	0	20.503	12,57	12,57	24.91[S]	VNR	7.29[S]	VNR	NO
	50,0%	0	21.338	0	41.836	12,57	12,57	7.00[S]	VNR	3.57[S]	VNR	NO
	62,5%	0	38.161	0	65.737	12,57	12,57	3.91[S]	VNR	2.27[S]	VNR	NO
	75,0%	0	12.959	0	30.915	12,57	12,57	11.54[S]	VNR	4.83[S]	VNR	NO
	87,5%	0	25.918	0	50.516	12,57	12,57	5.77[S]	VNR	2.96[S]	VNR	NO
	100%	0	43.959	0	76.291	28,27	31,42	7.44[S]	VNR	4.73[S]	VNR	NO
Trave 5-9	0%	0	207.965	0	236.415	28,27	31,42	1.57[S]	VNR	1.52[S]	VNR	NO
	12,5%	0	166.713	0	195.163	28,27	31,42	1.96[S]	VNR	1.84[S]	VNR	NO
	25,0%	0	107.787	0	124.155	12,57	12,57	1.38[S]	VNR	1.20[S]	VNR	NO
	37,5%	0	61.385	0	67.667	12,57	12,57	2.43[S]	VNR	2.21[S]	VNR	NO
	50,0%	0	20.566	0	22.577	12,57	12,57	7.27[S]	VNR	6.62[S]	VNR	NO
	62,5%	0	32.874	0	51.632	12,57	12,57	4.54[S]	VNR	2.89[S]	VNR	NO
	75,0%	0	61.345	0	96.133	12,57	12,57	2.43[S]	VNR	1.55[S]	VNR	NO
	87,5%	0	59.529	0	91.323	12,57	12,57	2.51[S]	VNR	1.63[S]	VNR	NO
	100%	0	99.654	0	151.628	25,13	25,13	2.92[S]	VNR	1.92[S]	VNR	NO
Trave 9-14	0%	0	63.540	0	153.174	25,13	25,13	4.58[S]	VNR	1.90[S]	VNR	NO
	12,5%	0	36.458	0	111.904	12,57	12,57	4.10[S]	VNR	1.33[S]	VNR	NO
	25,0%	0	22.386	0	56.158	12,57	12,57	6.68[S]	VNR	2.66[S]	VNR	NO
	37,5%	0	18.028	0	20.154	12,57	12,57	8.65[V]	VNR	7.42[S]	VNR	NO
	50,0%	0	24.502	0	0	12,57	12,57	6.36[V]	VNR	-	VNR	NO
	62,5%	0	29.923	0	1.645	12,57	12,57	4.99[S]	VNR	90.92[S]	VNR	NO
	75,0%	0	35.133	0	15.341	12,57	12,57	4.25[S]	VNR	9.74[S]	VNR	NO
	87,5%	0	37.212	0	33.624	12,57	12,57	4.01[S]	VNR	4.44[S]	VNR	NO
	100,0%	0	37.105	0	37.747	12,57	12,57	4.03[S]	VNR	3.96[S]	VNR	NO
Fondazione							**Trave 2b-2-6-10-15**					
Trave 2b-2	0%	0	0	0	2.273	12,57	12,57	-	VNR	68.66[V]	VNR	NO
	12,5%	0	97	0	4.594	12,57	12,57	NS	VNR	33.97[V]	VNR	NO
	25,0%	0	403	0	7.749	12,57	12,57	NS	VNR	20.14[V]	VNR	NO
	37,5%	0	639	0	11.756	12,57	12,57	NS	VNR	13.27[V]	VNR	NO
	50,0%	0	686	0	16.633	12,57	12,57	NS	VNR	9.38[V]	VNR	NO
	62,5%	0	0	0	22.395	12,57	12,57	-	VNR	6.96[V]	VNR	NO
	75,0%	0	0	0	26.269	12,57	12,57	-	VNR	5.94[V]	VNR	NO
	87,5%	0	0	0	26.269	12,57	12,57	-	VNR	5.94[V]	VNR	NO
	100%	0	0	0	26.269	25,13	25,13	-	VNR	11.43[V]	VNR	NO
Trave 2-6	0%	0	23.791	0	15.747	25,13	25,13	12.24[S]	VNR	18.49[S]	VNR	NO
	12,5%	0	21.654	0	13.610	12,57	12,57	6.90[S]	VNR	10.98[S]	VNR	NO
	25,0%	0	17.986	0	7.122	12,57	12,57	8.31[S]	VNR	21.00[S]	VNR	NO
	37,5%	0	13.314	0	3.280	12,57	12,57	11.23[S]	VNR	47.58[V]	VNR	NO
	50,0%	0	7.166	0	14.445	12,57	12,57	20.87[S]	VNR	10.80[V]	VNR	NO
	62,5%	0	985	0	29.119	12,57	12,57	NS	VNR	5.35[V]	VNR	NO
	75,0%	0	0	0	47.403	12,57	12,57	-	VNR	3.29[V]	VNR	NO
	87,5%	0	0	0	64.223	12,57	12,57	-	VNR	2.43[V]	VNR	NO
	100,0%	0	0	0	64.223	25,13	25,13	-	VNR	4.67[V]	VNR	NO
Trave 6-10	0%	0	0	0	52.574	25,13	25,13	-	VNR	5.71[V]	VNR	NO
	12,5%	0	0	0	52.574	12,57	12,57	-	VNR	2.96[V]	VNR	NO
	25,0%	0	0	0	36.926	12,57	12,57	-	VNR	4.22[V]	VNR	NO
	37,5%	0	1.411	0	21.911	12,57	12,57	NS	VNR	7.12[V]	VNR	NO
	50,0%	0	6.125	0	10.955	12,57	12,57	24.41[S]	VNR	14.24[V]	VNR	NO
	62,5%	0	12.089	0	17.803	12,57	12,57	12.37[S]	VNR	8.40[S]	VNR	NO
	75,0%	0	20.143	0	34.093	12,57	12,57	7.42[S]	VNR	4.38[S]	VNR	NO
	87,5%	0	19.797	0	32.065	12,57	12,57	7.55[S]	VNR	4.66[S]	VNR	NO
	100%	0	30.803	0	55.183	25,13	25,13	9.45[S]	VNR	5.27[S]	VNR	NO

Id_{Tr}	$\%L_{LI}$	$N_{Ed,s}$	$M_{Ed,3,s}$	$N_{Ed,i}$	$M_{Ed,3,i}$	$A_{s,s}$	$A_{s,i}$	CS_s	$(X/d)_s$	CS_i	$(X/d)_i$	R_f
	[%]	[N]	[N·m]	[N]	[N·m]	[cm²]	[cm²]					
Trave 10-15	0%	0	22.572	0	95.462	25,13	25,13	12.90[S]	VNR	3.05[S]	VNR	NO
	12,5%	0	11.454	0	73.381	12,57	12,57	13.05[S]	VNR	2.03[S]	VNR	NO
	25,0%	0	10.494	0	37.162	12,57	12,57	14.25[S]	VNR	4.02[S]	VNR	NO
	37,5%	0	16.393	0	12.712	12,57	12,57	9.52[V]	VNR	11.76[S]	VNR	NO
	50,0%	0	21.961	0	0	12,57	12,57	7.10[V]	VNR	-	VNR	NO
	62,5%	0	22.804	0	0	12,57	12,57	6.55[S]	VNR	-	VNR	NO
	75,0%	0	26.432	0	8.416	12,57	12,57	5.65[S]	VNR	17.77[S]	VNR	NO
	87,5%	0	28.826	0	24.608	12,57	12,57	5.18[S]	VNR	6.07[S]	VNR	NO
	100,0%	0	29.437	0	27.849	12,57	12,57	5.08[S]	VNR	5.37[S]	VNR	NO
Fondazione							**Trave 3b-3-7-11-16**					
Trave 3b-3	0%	0	0	0	2.441	12,57	12,57	-	VNR	63.93[V]	VNR	NO
	12,5%	0	36	0	4.938	12,57	12,57	NS	VNR	31.60[V]	VNR	NO
	25,0%	0	146	0	8.336	12,57	12,57	NS	VNR	18.72[V]	VNR	NO
	37,5%	0	170	0	12.656	12,57	12,57	NS	VNR	12.33[V]	VNR	NO
	50,0%	0	0	0	17.917	12,57	12,57	-	VNR	8.71[V]	VNR	NO
	62,5%	0	0	0	24.141	12,57	12,57	-	VNR	6.46[V]	VNR	NO
	75,0%	0	0	0	28.328	12,57	12,57	-	VNR	5.50[V]	VNR	NO
	87,5%	0	0	0	28.328	12,57	12,57	-	VNR	5.50[V]	VNR	NO
	100%	0	0	0	28.328	25,13	25,13	-	VNR	10.60[V]	VNR	NO
Trave 3-7	0%	0	35.047	0	9.009	25,13	25,13	8.31[S]	VNR	32.33[S]	VNR	NO
	12,5%	0	32.124	0	6.086	12,57	12,57	4.65[S]	VNR	24.57[S]	VNR	NO
	25,0%	0	25.899	0	583	12,57	12,57	5.77[S]	VNR	NS	VNR	NO
	37,5%	0	18.331	0	6.399	12,57	12,57	8.15[S]	VNR	24.38[V]	VNR	NO
	50,0%	0	10.545	0	22.842	12,57	12,57	14.80[V]	VNR	6.83[V]	VNR	NO
	62,5%	0	951	0	43.292	12,57	12,57	NS	VNR	3.60[V]	VNR	NO
	75,0%	0	0	0	67.887	12,57	12,57	-	VNR	2.29[V]	VNR	NO
	87,5%	0	0	0	90.018	12,57	12,57	-	VNR	1.73[V]	VNR	NO
	100,0%	0	0	0	90.018	25,13	25,13	-	VNR	3.33[V]	VNR	NO
Trave 7-11	0%	0	0	0	75.389	25,13	25,13	-	VNR	3.98[V]	VNR	NO
	12,5%	0	0	0	75.389	12,57	12,57	-	VNR	2.07[V]	VNR	NO
	25,0%	0	0	0	54.654	12,57	12,57	-	VNR	2.85[V]	VNR	NO
	37,5%	0	1.536	0	34.091	12,57	12,57	97.37[S]	VNR	4.57[V]	VNR	NO
	50,0%	0	9.665	0	18.186	12,57	12,57	15.47[S]	VNR	8.58[V]	VNR	NO
	62,5%	0	19.946	0	18.226	12,57	12,57	7.49[S]	VNR	8.20[S]	VNR	NO
	75,0%	0	33.429	0	36.073	12,57	12,57	4.47[S]	VNR	4.14[S]	VNR	NO
	87,5%	0	32.449	0	34.019	12,57	12,57	4.60[S]	VNR	4.39[S]	VNR	NO
	100%	0	50.159	0	60.323	25,13	25,13	5.80[S]	VNR	4.82[S]	VNR	NO
Trave 11-16	0%	0	31.795	0	113.510	25,13	25,13	9.16[S]	VNR	2.56[S]	VNR	NO
	12,5%	0	17.231	0	86.497	12,57	12,57	8.68[S]	VNR	1.72[S]	VNR	NO
	25,0%	0	13.515	0	44.041	12,57	12,57	11.06[S]	VNR	3.39[S]	VNR	NO
	37,5%	0	18.036	0	15.562	12,57	12,57	8.65[V]	VNR	9.61[S]	VNR	NO
	50,0%	0	24.644	0	0	12,57	12,57	6.33[V]	VNR	-	VNR	NO
	62,5%	0	26.688	0	0	12,57	12,57	5.60[S]	VNR	-	VNR	NO
	75,0%	0	31.838	0	8.958	12,57	12,57	4.69[S]	VNR	16.69[S]	VNR	NO
	87,5%	0	35.854	0	26.196	12,57	12,57	4.17[S]	VNR	5.70[S]	VNR	NO
	100,0%	0	35.680	0	29.613	12,57	12,57	4.19[S]	VNR	5.05[S]	VNR	NO
Fondazione							**Trave 4b-4-8-13**					
Trave 4b-4	0%	0	0	0	2.127	12,57	12,57	-	VNR	73.37[V]	VNR	NO
	12,5%	0	579	0	4.298	12,57	12,57	NS	VNR	36.31[V]	VNR	NO
	25,0%	0	2.432	0	9.386	12,57	12,57	61.50[S]	VNR	15.93[S]	VNR	NO
	37,5%	0	6.126	0	19.172	12,57	12,57	24.41[S]	VNR	7.80[S]	VNR	NO
	50,0%	0	20.901	0	39.355	12,57	12,57	7.15[S]	VNR	3.80[S]	VNR	NO
	62,5%	0	37.109	0	61.951	12,57	12,57	4.03[S]	VNR	2.41[S]	VNR	NO
	75,0%	0	12.848	0	29.010	12,57	12,57	11.64[S]	VNR	5.15[S]	VNR	NO
	87,5%	0	25.374	0	47.528	12,57	12,57	5.89[S]	VNR	3.14[S]	VNR	NO
	100%	0	42.760	0	71.896	28,27	31,42	7.65[S]	VNR	5.01[S]	VNR	NO
Trave 4-8	0%	0	178.460	0	178.754	28,27	31,42	1.83[S]	VNR	2.01[S]	VNR	NO
	12,5%	0	132.871	0	133.165	15,71	18,85	1.39[S]	VNR	1.65[S]	VNR	NO
	25,0%	0	78.295	0	74.365	15,71	18,85	2.36[S]	VNR	2.96[S]	VNR	NO
	37,5%	0	38.980	0	32.608	15,71	18,85	4.75[S]	VNR	6.75[S]	VNR	NO
	50,0%	0	40.533	0	52.699	15,71	18,85	4.57[S]	VNR	4.17[S]	VNR	NO
	62,5%	0	78.178	0	104.012	15,71	18,85	2.37[S]	VNR	2.11[S]	VNR	NO
	75,0%	0	168.930	0	212.352	15,71	18,85	1.09[S]	VNR	1.03[S]	VNR	NO
	87,5%	0	127.377	0	166.591	15,71	18,85	1.45[S]	VNR	1.32[S]	VNR	NO
	100%	0	201.716	0	261.636	28,27	31,42	1.62[S]	VNR	1.37[S]	VNR	NO
Trave 8-13	0%	0	173.087	0	236.469	28,27	31,42	1.89[S]	VNR	1.52[S]	VNR	NO
	12,5%	0	134.522	0	197.904	12,57	31,42	1.11[S]	VNR	1.78[S]	VNR	NO
	25,0%	0	84.216	0	128.086	12,57	12,57	1.77[S]	VNR	1.16[S]	VNR	NO
	37,5%	0	46.570	0	71.116	12,57	12,57	3.21[S]	VNR	2.10[S]	VNR	NO
	50,0%	0	22.090	0	23.499	12,57	12,57	6.77[S]	VNR	6.36[S]	VNR	NO
	62,5%	0	43.116	0	34.410	12,57	12,57	3.46[S]	VNR	4.34[S]	VNR	NO
	75,0%	0	74.503	0	69.561	12,57	12,57	2.00[S]	VNR	2.15[S]	VNR	NO
	87,5%	0	71.923	0	66.067	12,57	12,57	2.07[S]	VNR	2.26[S]	VNR	NO
	100%	0	113.926	0	115.366	12,57	12,57	1.31[S]	VNR	1.29[S]	VNR	NO
Fondazione							**Trave 12-17**					
Trave 12-17	0%	0	91.389	0	135.149	12,57	12,57	1.63[S]	VNR	1.10[S]	VNR	NO
	12,5%	0	56.930	0	93.686	12,57	12,57	2.62[S]	VNR	1.59[S]	VNR	NO
	25,0%	0	34.702	0	42.584	12,57	12,57	4.31[S]	VNR	3.51[S]	VNR	NO
	37,5%	0	24.056	0	10.943	12,57	12,57	6.21[S]	VNR	13.66[S]	VNR	NO
	50,0%	0	23.356	0	0	12,57	12,57	6.68[V]	VNR	-	VNR	NO
	62,5%	0	25.959	0	6.597	12,57	12,57	5.76[S]	VNR	22.67[S]	VNR	NO
	75,0%	0	28.093	0	23.987	12,57	12,57	5.32[S]	VNR	6.23[S]	VNR	NO
	87,5%	0	27.957	0	46.054	12,57	12,57	5.34[S]	VNR	3.24[S]	VNR	NO

Travi (CA) - Verifiche pressoflessione retta allo SLU

Id_{Tr}	$\%L_{LI}$	$N_{Ed,s}$	$M_{Ed,3,s}$	$N_{Ed,i}$	$M_{Ed,3,i}$	$A_{s,s}$	$A_{s,i}$	CS_s	$(X/d)_s$	CS_i	$(X/d)_i$	R_f
	[%]	[N]	[N·m]	[N]	[N·m]	[cm²]	[cm²]					
	100,0%	0	28.818	0	50.983	12,57	12,57	5.19[S]	VNR	2.93[S]	VNR	NO

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
$N_{Ed,s}$, $M_{Ed,3,s}$ Sollecitazioni di progetto per armatura superiore (N_{Ed} >0: compressione).
$N_{Ed,i}$, $M_{Ed,3,i}$ Sollecitazioni di progetto per armatura inferiore (N_{Ed} > 0: compressione).
$A_{s,s}$, $A_{s,i}$ Armatura a flessione superiore e inferiore.
$(X/d)_s$ Indice di duttilità superiore (VNR = Verifica non richiesta).
$(X/d)_i$ Indice di duttilità inferiore (VNR = Verifica non richiesta).
CS_s, CS_i Coefficiente di sicurezza relativo alle sollecitazioni che tendono le fibre superiori e inferiori ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
R_f [SI] = elemento con presenza di rinforzo; [NO] = elemento senza rinforzo.

TRAVI (CA) - VERIFICHE A TAGLIO PER PRESSOFLESSIONE RETTA (Fondazione)

Travi (CA) - Verifiche a taglio per pressoflessione retta allo SLU

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,2}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctg Θ	A_{sw}	$A_{sw,p}$	$A_{s,Dg}$	R_f
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]		[cm²/cm]	[cm²]	[cm²]	
Fondazione									**Trave 1-2-3-4**							
Trave 1-2	0%	+	58.228	4,95	460.089	288.265	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-107.550	2,68	460.089	288.265	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	12,5%	+	44.246	6,54	460.089	289.346	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-79.124	3,66	460.089	289.346	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	25,0%	+	38.968	7,44	460.089	289.993	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-59.684	4,86	460.089	289.993	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	37,5%	+	35.201	8,25	460.089	290.576	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-41.983	6,92	460.089	290.576	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	50,0%	+	25.481	11,44	460.089	291.557	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-18.449	15,80	460.089	291.557	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	62,5%	+	26.329	11,09	460.089	291.955	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-5.481	53,27	460.089	291.955	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	75,0%	+	30.840	9,48	460.089	292.293	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	0	-	460.089	292.293	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	87,5%	+	42.565	6,87	460.089	292.571	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	0	-	460.089	292.571	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	100,0 %	+	54.502	5,37	460.089	292.882	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	0	-	460.089	292.882	31.487	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
Trave 2-3	0%	+	0	-	455.850	330.213	0	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-42.558	7,76	455.850	330.213	0	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	12,5%	+	0	-	455.850	296.206	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-29.846	9,92	455.850	296.206	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	0	-	455.850	296.270	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-17.112	17,31	455.850	296.270	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	4.480	66,14	455.850	296.321	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-7.476	39,64	455.850	296.321	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	11.967	24,77	455.850	296.383	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	296.383	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	23.511	12,61	455.850	296.390	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	296.390	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	36.957	8,02	455.850	296.375	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	296.375	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	50.712	5,84	455.850	296.346	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	296.346	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	64.658	5,11	455.850	330.453	0	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	0	-	455.850	330.453	0	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
Trave 3-4	0%	+	0	-	460.376	303.682	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-76.652	3,96	460.376	303.682	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	12,5%	+	0	-	460.376	303.100	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-58.337	5,20	460.376	303.100	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	25,0%	+	0	-	460.376	302.709	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-40.991	7,38	460.376	302.709	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	37,5%	+	0	-	460.376	302.224	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-24.909	12,13	460.376	302.224	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	50,0%	+	5.555	54,30	460.376	301.643	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-16.699	18,06	460.376	301.643	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	62,5%	+	35.375	8,49	460.376	300.189	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-29.811	10,07	460.376	300.189	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	75,0%	+	58.719	5,10	460.376	299.312	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-36.553	8,19	460.376	299.312	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	87,5%	+	85.106	3,51	460.376	298.333	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-45.852	6,51	460.376	298.333	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
	100%	+	103.650	2,87	460.376	297.816	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
		-	-46.484	6,41	460.376	297.816	33.618	0	0	0	0	2,50	0,11170	0,0000	0,0000	NO
Fondazione									**Trave 9-10-11-12-13**							
Trave 9-10	0%	+	62.510	4,80	461.620	299.863	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-129.908	2,31	461.620	299.863	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,2}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctg Θ	A_{sw}	$A_{sw,p}$	$A_{s,Dg}$	R_f
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]		[cm²/cm]	[cm²]	[cm²]	
	12,5%	+	54.825	5,47	461.620	299.935	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-103.875	2,89	461.620	299.935	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	54.585	5,50	461.620	299.975	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-85.753	3,50	461.620	299.975	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	56.128	5,35	461.620	300.008	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-69.840	4,30	461.620	300.008	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	56.580	5,30	461.620	300.057	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-53.144	5,65	461.620	300.057	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	65.521	4,58	461.620	300.072	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-45.091	6,65	461.620	300.072	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	77.756	3,86	461.620	300.080	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-40.342	7,44	461.620	300.080	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	91.098	3,29	461.620	300.078	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-36.616	8,20	461.620	300.078	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100,0 %	+	102.264	2,93	461.620	300.074	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-30.632	9,80	461.620	300.074	42.863	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 10-11	0%	+	68.689	4,44	456.295	304.803	3.304	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-124.867	2,44	456.295	304.803	3.304	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	69.421	3,99	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-108.397	2,55	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	25,0%	+	73.540	3,77	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-95.374	2,90	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	37,5%	+	78.839	3,51	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-83.521	3,32	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	50,0%	+	87.111	3,18	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-74.507	3,72	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	62,5%	+	99.228	2,79	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-69.070	4,01	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	75,0%	+	113.320	2,44	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-65.236	4,24	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	87,5%	+	128.819	2,15	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-62.411	4,44	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	100,0 %	+	141.481	1,96	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-56.447	4,91	456.295	276.882	3.304	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
Trave 12-13	0%	+	107.485	3,14	456.488	337.376	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
		-	-121.787	2,77	456.488	337.376	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
	12,5%	+	111.474	3,03	456.488	337.329	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
		-	-120.980	2,79	456.488	337.329	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
	24,9%	+	114.673	2,94	456.488	337.302	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
		-	-119.365	2,83	456.488	337.302	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
	37,5%	+	117.658	2,87	456.488	337.280	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
		-	-117.518	2,87	456.488	337.280	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
	50,0%	+	118.015	2,86	456.488	337.348	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
		-	-113.023	2,98	456.488	337.348	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
	62,5%	+	120.916	2,79	456.488	337.334	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
		-	-111.056	3,04	456.488	337.334	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
	74,9%	+	123.859	2,72	456.488	337.319	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
		-	-109.113	3,09	456.488	337.319	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
	87,5%	+	127.121	2,65	456.488	337.291	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
		-	-107.469	3,14	456.488	337.291	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
	100%	+	130.169	2,59	456.488	337.269	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
		-	-105.593	3,19	456.488	337.269	4.737	0	0	0	0	2,50	0,12566	0,0000	0,0000	NO
Fondazione									**Trave 14-15-16-17**							
Trave 14-15	0%	+	0	-	460.896	293.337	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-43.302	6,77	460.896	293.337	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	0	-	460.896	293.486	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-31.780	9,23	460.896	293.486	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	0	-	460.896	293.567	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-20.698	14,18	460.896	293.567	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	0	-	460.896	293.633	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-10.683	27,49	460.896	293.633	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	2.397	NS	460.896	293.724	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-2.933	NS	460.896	293.724	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	11.622	25,27	460.896	293.746	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	460.896	293.746	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	21.156	13,88	460.896	293.748	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	460.896	293.748	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	30.687	9,57	460.896	293.727	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	460.896	293.727	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100,0 %	+	40.217	7,30	460.896	293.712	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	460.896	293.712	37.481	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 15-16	0%	+	0	-	459.560	298.512	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-37.177	8,03	459.560	298.512	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	0	-	459.560	298.570	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-29.070	10,27	459.560	298.570	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	2.648	NS	459.560	298.596	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-22.662	13,18	459.560	298.596	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,2}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctg Θ	A_{sw}	$A_{sw,p}$	$A_{s,Dg}$	R_f
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]		[cm²/cm]	[cm²]	[cm²]	
	37,5%	+	7.983	37,41	459.560	298.610	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-16.455	18,15	459.560	298.610	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	13.569	22,00	459.560	298.585	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-10.583	28,21	459.560	298.585	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	19.851	15,04	459.560	298.554	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-5.359	55,71	459.560	298.554	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	26.476	11,27	459.560	298.512	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-310	NS	459.560	298.512	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	33.298	8,96	459.560	298.460	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	459.560	298.460	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	42.503	7,02	459.560	298.431	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	459.560	298.431	27.561	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 16-17	0%	+	0	-	461.983	290.188	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-50.883	5,70	461.983	290.188	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	0	-	461.983	290.272	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-38.886	7,46	461.983	290.272	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	0	-	461.983	290.301	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-27.041	10,74	461.983	290.301	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	0	-	461.983	290.293	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-15.373	18,88	461.983	290.293	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	928	NS	461.983	290.255	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-3.733	77,75	461.983	290.255	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	10.737	27,02	461.983	290.107	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	461.983	290.107	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	22.750	12,75	461.983	289.999	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	461.983	289.999	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	36.585	7,92	461.983	289.868	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	461.983	289.868	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100,0 %	+	51.352	5,64	461.983	289.797	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	461.983	289.797	45.559	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Fondazione									**Trave 1b-1-5-9-14**							
Trave 1b-1	0%	+	608	NS	455.850	307.130	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-608	NS	455.850	307.130	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	46.355	6,61	455.850	306.446	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-40.399	7,59	455.850	306.446	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	58.137	5,27	455.850	306.294	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-46.101	6,64	455.850	306.294	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	69.596	4,40	455.850	306.140	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-51.360	5,96	455.850	306.140	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	88.298	3,46	455.850	305.836	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-63.742	4,80	455.850	305.836	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	98.682	3,10	455.850	305.682	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-67.686	4,52	455.850	305.682	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	87.222	3,51	455.850	305.988	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-49.672	6,16	455.850	305.988	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	98.128	3,12	455.850	305.836	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-53.912	5,67	455.850	305.836	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	112.153	2,72	455.850	305.606	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-61.171	5,00	455.850	305.606	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 1-5	0%	+	185.604	1,50	455.850	279.123	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-219.402	1,27	455.850	279.123	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	176.006	1,59	455.850	279.487	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-198.414	1,41	455.850	279.487	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	173.884	1,61	455.850	279.709	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-184.598	1,52	455.850	279.709	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	174.045	1,61	455.850	279.912	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-172.761	1,62	455.850	279.912	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	176.147	1,59	455.850	280.264	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-162.547	1,72	455.850	280.264	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	185.398	1,51	455.850	280.413	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-159.156	1,76	455.850	280.413	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	202.889	1,38	455.850	280.544	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-163.681	1,71	455.850	280.544	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	203.270	1,38	455.850	280.658	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-150.790	1,86	455.850	280.658	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	219.746	1,28	455.850	280.797	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-153.738	1,83	455.850	280.797	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 5-9	0%	+	133.126	2,10	455.850	279.908	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-182.266	1,54	455.850	279.908	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	129.221	2,17	455.850	280.008	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-164.129	1,71	455.850	280.008	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	129.254	2,17	455.850	280.051	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-149.794	1,87	455.850	280.051	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	130.008	2,15	455.850	280.066	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-136.068	2,06	455.850	280.066	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	127.143	2,20	455.850	280.034	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-118.621	2,36	455.850	280.034	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	130.825	2,14	455.850	279.981	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-107.619	2,60	455.850	279.981	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,2}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctg Θ	A_{sw}	$A_{sw,p}$	$A_{s,Dg}$	R_f
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]		[cm²/cm]	[cm²]	[cm²]	
	75,0%	+	135.380	2,07	455.850	279.909	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-97.400	2,87	455.850	279.909	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	140.656	1,99	455.850	279.909	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-87.838	3,19	455.850	279.909	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	145.719	1,92	455.850	279.769	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-78.067	3,58	455.850	279.769	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 9-14	0%	+	42.229	6,83	455.850	288.431	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-138.747	2,08	455.850	288.431	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	32.077	9,01	455.850	288.998	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-108.233	2,67	455.850	288.998	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	29.282	9,88	455.850	289.343	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-85.814	3,37	455.850	289.343	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	27.173	10,66	455.850	289.662	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-65.065	4,45	455.850	289.662	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	17.254	16,82	455.850	290.218	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-37.512	7,74	455.850	290.218	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	18.339	15,84	455.850	290.456	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-21.837	13,30	455.850	290.456	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	20.351	14,28	455.850	290.671	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-7.747	37,52	455.850	290.671	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	23.950	12,14	455.850	290.860	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	290.860	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100,0 %	+	37.016	7,86	455.850	291.099	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	291.099	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Fondazione									**Trave 2b-2-6-10-15**							
Trave 2b-2	0%	+	184	NS	455.850	307.130	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-184	NS	455.850	307.130	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	9.590	31,99	455.850	306.782	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-3.862	79,44	455.850	306.782	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	13.810	22,21	455.850	306.705	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-2.220	NS	455.850	306.705	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	18.010	17,03	455.850	306.627	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-428	NS	455.850	306.627	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	23.222	13,20	455.850	306.471	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.471	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	27.291	11,23	455.850	306.393	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.393	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	30.535	10,04	455.850	306.550	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.550	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	35.996	8,51	455.850	306.471	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.471	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	41.553	7,37	455.850	306.354	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.354	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 2-6	0%	+	997	NS	455.850	292.527	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-16.617	17,60	455.850	292.527	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	7.841	37,33	455.850	292.718	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-12.301	23,80	455.850	292.718	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	15.457	18,95	455.850	292.836	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-8.381	34,94	455.850	292.836	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	22.481	13,03	455.850	292.944	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-3.467	84,49	455.850	292.944	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	29.819	9,83	455.850	293.132	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	293.132	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	37.913	7,73	455.850	293.213	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	293.213	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	48.975	5,99	455.850	293.284	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	293.284	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	60.335	4,86	455.850	293.348	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	293.348	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100,0 %	+	71.963	4,08	455.850	293.427	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	293.427	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 6-10	0%	+	0	-	455.850	295.236	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-61.020	4,84	455.850	295.236	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	0	-	455.850	295.297	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-48.885	6,04	455.850	295.297	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	0	-	455.850	295.330	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-36.749	8,04	455.850	295.330	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	7.340	40,24	455.850	295.353	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-34.702	8,51	455.850	295.353	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	18.191	16,24	455.850	295.372	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-31.205	9,47	455.850	295.372	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	29.197	10,12	455.850	295.360	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-27.989	10,55	455.850	295.360	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	40.316	7,33	455.850	295.342	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-25.018	11,81	455.850	295.342	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	47.290	6,25	455.850	295.342	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-18.044	16,37	455.850	295.342	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	60.501	4,88	455.850	295.297	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,2}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctg Θ	A_{sw}	$A_{sw,p}$	$A_{s,Dg}$	R_f
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]		[cm²/cm]	[cm²]	[cm²]	
		-	-17.469	16,90	455.850	295.297	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 10-15	0%	+	0	-	455.970	302.816	886	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-86.347	3,51	455.970	302.816	886	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	542	NS	455.970	275.026	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-68.218	4,03	455.970	275.026	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	25,0%	+	4.072	67,56	455.970	275.107	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-53.932	5,10	455.970	275.107	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	37,5%	+	7.661	35,92	455.970	275.184	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-40.801	6,74	455.970	275.184	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	50,0%	+	8.106	33,97	455.970	275.324	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-25.636	10,74	455.970	275.324	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	62,5%	+	12.854	21,42	455.970	275.387	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-15.762	17,47	455.970	275.387	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	75,0%	+	17.886	15,40	455.970	275.447	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-6.966	39,54	455.970	275.447	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	87,5%	+	23.203	11,87	455.970	275.502	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	0	-	455.970	275.502	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	100,0 %	+	31.395	8,78	455.970	275.578	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	0	-	455.970	275.578	886	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
Fondazione									**Trave 3b-3-7-11-16**							
Trave 3b-3	0%	+	48	NS	455.850	307.130	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-48	NS	455.850	307.130	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	5.245	58,54	455.850	307.031	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	307.031	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	10.466	29,33	455.850	307.008	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	307.008	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	15.894	19,31	455.850	306.987	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.987	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	21.453	14,31	455.850	306.943	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.943	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	27.138	11,31	455.850	306.921	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.921	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	32.949	9,32	455.850	306.965	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.965	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	38.879	7,89	455.850	306.943	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.943	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	44.923	6,83	455.850	306.910	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	306.910	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 3-7	0%	+	10.837	27,91	455.850	302.467	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-12.645	23,92	455.850	302.467	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	17.690	17,10	455.850	302.522	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-7.324	41,31	455.850	302.522	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	25.746	11,75	455.850	302.556	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-2.712	NS	455.850	302.556	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	33.518	9,03	455.850	302.587	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	302.587	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	42.640	7,10	455.850	302.642	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	302.642	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	54.824	5,52	455.850	302.665	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	302.665	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	67.479	4,49	455.850	302.685	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	302.685	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	80.537	3,76	455.850	302.703	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	302.703	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100,0 %	+	93.883	3,22	455.850	302.726	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	455.850	302.726	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 7-11	0%	+	0	-	455.850	302.247	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-79.961	3,78	455.850	302.247	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	0	-	455.850	302.262	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-66.036	4,58	455.850	302.262	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	0	-	455.850	302.268	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-52.151	5,80	455.850	302.268	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	5.967	50,66	455.850	302.270	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-50.559	5,98	455.850	302.270	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	18.233	16,58	455.850	302.267	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-46.747	6,47	455.850	302.267	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	30.995	9,75	455.850	302.260	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-43.693	6,92	455.850	302.260	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	43.947	6,88	455.850	302.251	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-41.101	7,35	455.850	302.251	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	51.585	5,86	455.850	302.251	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-33.463	9,03	455.850	302.251	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	67.141	4,50	455.850	302.230	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-34.013	8,89	455.850	302.230	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 11-16	0%	+	7.184	42,22	456.941	303.281	8.104	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-101.438	2,99	456.941	303.281	8.104	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	6.104	45,12	456.941	275.401	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-80.078	3,44	456.941	275.401	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,2}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctg Θ	A_{sw}	$A_{sw,p}$	$A_{s,Dg}$	R_f
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]		[cm²/cm]	[cm²]	[cm²]	
	25,0%	+	8.798	31,31	456.941	275.422	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-63.576	4,33	456.941	275.422	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	37,5%	+	11.580	23,79	456.941	275.438	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-48.482	5,68	456.941	275.438	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	50,0%	+	10.232	26,92	456.941	275.453	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-30.594	9,00	456.941	275.453	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	62,5%	+	14.477	19,03	456.941	275.446	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-19.501	14,12	456.941	275.446	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	75,0%	+	19.073	14,44	456.941	275.436	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-9.749	28,25	456.941	275.436	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	87,5%	+	24.023	11,46	456.941	275.420	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	-1.103	NS	456.941	275.420	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
	100,0 %	+	31.064	8,87	456.941	275.409	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
		-	0	-	456.941	275.409	8.104	0	0	0	0	2,50	0,09139	0,0000	0,0000	NO
Fondazione									**Trave 4b-4-8-13**							
Trave 4b-4	0%	+	626	NS	455.850	307.130	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-626	NS	455.850	307.130	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	44.092	6,95	455.850	306.590	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-38.746	7,91	455.850	306.590	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	55.147	5,56	455.850	306.470	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-44.333	6,91	455.850	306.470	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	65.882	4,65	455.850	306.349	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-49.482	6,19	455.850	306.349	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	83.456	3,67	455.850	306.108	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-61.352	4,99	455.850	306.108	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	93.125	3,29	455.850	305.988	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-65.201	4,69	455.850	305.988	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	82.170	3,73	455.850	306.230	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-48.310	6,34	455.850	306.230	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	92.356	3,31	455.850	306.108	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-52.452	5,84	455.850	306.108	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	105.467	2,90	455.850	305.926	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-59.417	5,15	455.850	305.926	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 4-8	0%	+	172.931	1,61	455.850	278.295	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-193.851	1,44	455.850	278.295	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	163.735	1,70	455.850	278.586	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-174.329	1,60	455.850	278.586	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	161.621	1,72	455.850	278.758	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-161.565	1,73	455.850	278.758	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	161.699	1,72	455.850	278.912	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-150.655	1,85	455.850	278.912	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	163.880	1,70	455.850	279.161	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-141.500	1,97	455.850	279.161	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	172.634	1,62	455.850	279.258	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-138.564	2,02	455.850	279.258	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	189.425	1,47	455.850	279.337	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-143.323	1,95	455.850	279.337	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	189.475	1,47	455.850	279.397	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-131.037	2,13	455.850	279.397	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	205.261	1,36	455.850	279.453	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-134.253	2,08	455.850	279.453	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Trave 8-13	0%	+	110.267	2,54	455.850	279.837	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-185.541	1,51	455.850	279.837	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	105.798	2,64	455.850	279.830	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-167.898	1,67	455.850	279.830	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	105.124	2,66	455.850	279.794	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-154.044	1,82	455.850	279.794	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	105.040	2,66	455.850	279.660	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-140.856	1,99	455.850	279.660	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	101.162	2,76	455.850	279.564	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-123.990	2,25	455.850	279.564	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	103.857	2,69	455.850	279.447	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-113.817	2,46	455.850	279.447	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	107.307	2,60	455.850	279.308	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-104.507	2,67	455.850	279.308	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	111.366	2,51	455.850	279.308	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-95.894	2,91	455.850	279.308	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100%	+	115.048	2,43	455.850	279.067	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-86.972	3,21	455.850	279.067	0	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
Fondazione									**Trave 12-17**							
Trave 12-17	0%	+	60.201	4,86	460.929	292.612	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-128.925	2,27	460.929	292.612	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	12,5%	+	47.213	6,21	460.929	293.031	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-99.229	2,95	460.929	293.031	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	25,0%	+	42.131	6,96	460.929	293.278	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-77.871	3,77	460.929	293.278	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	37,5%	+	38.066	7,71	460.929	293.480	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-57.986	5,06	460.929	293.480	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	50,0%	+	26.216	11,21	460.929	293.835	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO

Travi (CA) - Verifiche a taglio per pressoflessione retta allo SLU

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,2}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctg Θ	A_{sw}	$A_{sw,p}$	$A_{s,Dg}$	R_f
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]		[cm²/cm]	[cm²]	[cm²]	
		-	-30.656	9,58	460.929	293.835	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	62,5%	+	26.285	11,18	460.929	293.987	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-15.383	19,11	460.929	293.987	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	75,0%	+	27.725	10,61	460.929	294.123	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	-1.405	NS	460.929	294.123	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	87,5%	+	35.540	8,28	460.929	294.243	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	460.929	294.243	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
	100,0 %	+	49.067	6,00	460.929	294.395	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO
		-	0	-	460.929	294.395	37.727	0	0	0	0	2,50	0,10053	0,0000	0,0000	NO

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
+/- [+] = sollecitazione massima; [-] = sollecitazione minima.
$V_{Ed,2}$ Taglio di progetto in direzione 2.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
V_{Rcd} Resistenza a taglio compressione del calcestruzzo.
$V_{Rsd,s}$ Resistenza a taglio trazione delle staffe.
N_{Ed} Sforzo Normale medio nella sezione di verifica.
$V_{Rsd,p}$ Resistenza a taglio trazione dei ferri piegati.
V_{R1} Resistenza a taglio in assenza di armatura incrociata.
$V_{Rd,f}$ Resistenza a taglio dovuta al rinforzo FRP.
$V_{Rd,j}$ Contributo acciaio al Taglio ultimo dovuto all'incamiciatura in acciaio.
CtgΘ Cotangente dell'angolo Θ utilizzata nella verifica.
A_{sw} Area delle staffe per unità di lunghezza.
$A_{sw,p}$ Area dei ferri piegati.
$A_{s,Dg}$ Area di ferri incrociati nelle zone critiche.
R_f [SI] = elemento con presenza di rinforzo; [NO] = elemento senza rinforzo.

TRAVI (CA) - VERIFICA COMPOSTA TAGLIO/TORSIONE (Fondazione)

Travi (CA) - Verifica composta taglio e torsione SLU

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	CtgΘ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
Fondazione					**Trave 1-2-3-4**			
Trave 1-2	0%	45609	+	58.228	460.089	78.471	2,50	1,41
			-	-107.550	460.089	78.471	2,50	1,23
	12,5%	44679	+	44.246	460.089	78.471	2,50	1,50
			-	-79.124	460.089	78.471	2,50	1,35
	25,0%	44122	+	38.968	460.089	78.471	2,50	1,55
			-	-59.684	460.089	78.471	2,50	1,45
	37,5%	43620	+	35.201	460.089	78.471	2,50	1,58
			-	-41.983	460.089	78.471	2,50	1,55
	50,0%	42776	+	25.481	460.089	78.471	2,50	1,67
			-	-18.449	460.089	78.471	2,50	1,71
	62,5%	42433	+	26.329	460.089	78.471	2,50	1,67
			-	-5.481	460.089	78.471	2,50	1,81
	75,0%	42142	+	30.840	460.089	78.471	2,50	1,66
			-	0	460.089	78.471	2,50	VNR
	87,5%	41903	+	42.565	460.089	78.471	2,50	1,60
			-	0	460.089	78.471	2,50	VNR
	100,0%	41635	+	54.502	460.089	78.471	2,50	1,54
			-	0	460.089	78.471	2,50	VNR
Trave 2-3	0%	9504	+	0	455.850	78.471	2,50	VNR
			-	-42.558	455.850	78.471	2,50	4,66
	12,5%	9402	+	0	455.850	78.471	2,50	VNR
			-	-29.846	455.850	78.471	2,50	5,40
	25,0%	9347	+	0	455.850	78.471	2,50	VNR
			-	-17.112	455.850	78.471	2,50	6,38
	37,5%	9303	+	4.480	455.850	78.471	2,50	7,79
			-	-7.476	455.850	78.471	2,50	7,41
	50,0%	9250	+	11.967	455.850	78.471	2,50	6,94
			-	0	455.850	78.471	2,50	VNR
	62,5%	9244	+	23.511	455.850	78.471	2,50	5,90
			-	0	455.850	78.471	2,50	VNR
	75,0%	9257	+	36.957	455.850	78.471	2,50	5,02
			-	0	455.850	78.471	2,50	VNR
	87,5%	9282	+	50.712	455.850	78.471	2,50	4,36
			-	0	455.850	78.471	2,50	VNR
	100%	9298	+	64.658	455.850	78.471	2,50	3,84
			-	0	455.850	78.471	2,50	VNR
Trave 3-4	0%	32340	+	0	460.376	78.471	2,50	VNR
			-	-76.652	460.376	78.471	2,50	1,73
	12,5%	32841	+	0	460.376	78.471	2,50	VNR
			-	-58.337	460.376	78.471	2,50	1,83
	25,0%	33177	+	0	460.376	78.471	2,50	VNR
			-	-40.991	460.376	78.471	2,50	1,95
	37,5%	33595	+	0	460.376	78.471	2,50	VNR
			-	-24.909	460.376	78.471	2,50	2,07

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	Ctgϴ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
	50,0%	34095	+	5.555	460.376	78.471	2,50	2,24
			-	-16.699	460.376	78.471	2,50	2,12
	62,5%	35346	+	35.375	460.376	78.471	2,50	1,90
			-	-29.811	460.376	78.471	2,50	1,94
	75,0%	36101	+	58.719	460.376	78.471	2,50	1,70
			-	-36.553	460.376	78.471	2,50	1,85
	87,5%	36944	+	85.106	460.376	78.471	2,50	1,53
			-	-45.852	460.376	78.471	2,50	1,75
	100%	37389	+	103.650	460.376	78.471	2,50	1,43
			-	-46.484	460.376	78.471	2,50	1,73
Fondazione					**Trave 9-10-11-12-13**			
Trave 9-10	0%	6255	+	62.510	461.620	78.471	2,50	4,65
			-	-129.908	461.620	78.471	2,50	2,77
	12,5%	6193	+	54.825	461.620	78.471	2,50	5,06
			-	-103.875	461.620	78.471	2,50	3,29
	25,0%	6158	+	54.585	461.620	78.471	2,50	5,08
			-	-85.753	461.620	78.471	2,50	3,78
	37,5%	6130	+	56.128	461.620	78.471	2,50	5,01
			-	-69.840	461.620	78.471	2,50	4,36
	50,0%	6088	+	56.580	461.620	78.471	2,50	5,00
			-	-53.144	461.620	78.471	2,50	5,19
	62,5%	6075	+	65.521	461.620	78.471	2,50	4,56
			-	-45.091	461.620	78.471	2,50	5,71
	75,0%	6068	+	77.756	461.620	78.471	2,50	4,07
			-	-40.342	461.620	78.471	2,50	6,07
	87,5%	6070	+	91.098	461.620	78.471	2,50	3,64
			-	-36.616	461.620	78.471	2,50	6,38
	100,0%	6073	+	102.264	461.620	78.471	2,50	3,35
			-	-30.632	461.620	78.471	2,50	6,96
Trave 10-11	0%	2003	+	68.689	456.295	78.471	2,50	5,68
			-	-124.867	456.295	78.471	2,50	3,34
	12,5%	2003	+	69.421	456.295	78.471	2,50	5,63
			-	-108.397	456.295	78.471	2,50	3,80
	25,0%	2003	+	73.540	456.295	78.471	2,50	5,36
			-	-95.374	456.295	78.471	2,50	4,26
	37,5%	2003	+	78.839	456.295	78.471	2,50	5,04
			-	-83.521	456.295	78.471	2,50	4,79
	50,0%	2003	+	87.111	456.295	78.471	2,50	4,62
			-	-74.507	456.295	78.471	2,50	5,30
	62,5%	2003	+	99.228	456.295	78.471	2,50	4,12
			-	-69.070	456.295	78.471	2,50	5,65
	75,0%	2003	+	113.320	456.295	78.471	2,50	3,65
			-	-65.236	456.295	78.471	2,50	5,93
	87,5%	2003	+	128.819	456.295	78.471	2,50	3,25
			-	-62.411	456.295	78.471	2,50	6,16
	100,0%	2003	+	141.481	456.295	78.471	2,50	2,98
			-	-56.447	456.295	78.471	2,50	6,70
Trave 11-12	0%	4318	+	6.918	459.042	78.471	2,50	14,27
			-	-115.296	459.042	78.471	2,50	3,27
	12,5%	4318	+	6.182	459.042	78.471	2,50	14,60
			-	-90.736	459.042	78.471	2,50	3,96
	25,0%	4318	+	10.728	459.042	78.471	2,50	12,76
			-	-72.392	459.042	78.471	2,50	4,70
	37,5%	4318	+	16.703	459.042	78.471	2,50	10,94
			-	-56.845	459.042	78.471	2,50	5,59
	50,0%	4318	+	25.434	459.042	78.471	2,50	9,06
			-	-45.380	459.042	78.471	2,50	6,50
	62,5%	4335	+	47.569	459.042	78.471	2,50	6,29
			-	-48.287	459.042	78.471	2,50	6,23
	75,0%	4361	+	69.043	459.042	78.471	2,50	4,85
			-	-50.987	459.042	78.471	2,50	6,00
	87,5%	4392	+	93.300	459.042	78.471	2,50	3,86
			-	-56.400	459.042	78.471	2,50	5,59
	100%	4408	+	110.977	459.042	78.471	2,50	3,36
			-	-54.787	459.042	78.471	2,50	5,70
Trave 12-13	0%	40054	+	107.485	456.488	78.471	2,50	1,34
			-	-121.787	456.488	78.471	2,50	1,29
	12,5%	40095	+	111.474	456.488	78.471	2,50	1,32
			-	-120.980	456.488	78.471	2,50	1,29
	24,9%	40118	+	114.673	456.488	78.471	2,50	1,31
			-	-119.365	456.488	78.471	2,50	1,29
	37,5%	40137	+	117.658	456.488	78.471	2,50	1,30
			-	-117.518	456.488	78.471	2,50	1,30
	50,0%	40078	+	118.015	456.488	78.471	2,50	1,30
			-	-113.023	456.488	78.471	2,50	1,32
	62,5%	40090	+	120.916	456.488	78.471	2,50	1,29
			-	-111.056	456.488	78.471	2,50	1,33
	74,9%	40103	+	123.859	456.488	78.471	2,50	1,28
			-	-109.113	456.488	78.471	2,50	1,33
	87,5%	40127	+	127.121	456.488	78.471	2,50	1,27
			-	-107.469	456.488	78.471	2,50	1,34

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	Ctgϴ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
	100%	40146	+	130.169	456.488	78.471	2,50	1,26
			-	-105.593	456.488	78.471	2,50	1,35
Fondazione					**Trave 14-15-16-17**			
Trave 14-15	0%	11872	+	0	460.896	78.471	2,50	VNR
			-	-43.302	460.896	78.471	2,50	4,08
	12,5%	11744	+	0	460.896	78.471	2,50	VNR
			-	-31.780	460.896	78.471	2,50	4,57
	25,0%	11674	+	0	460.896	78.471	2,50	VNR
			-	-20.698	460.896	78.471	2,50	5,16
	37,5%	11617	+	0	460.896	78.471	2,50	VNR
			-	-10.683	460.896	78.471	2,50	5,84
	50,0%	11539	+	2.397	460.896	78.471	2,50	6,57
			-	-2.933	460.896	78.471	2,50	6,52
	62,5%	11520	+	11.622	460.896	78.471	2,50	5,81
			-	0	460.896	78.471	2,50	VNR
	75,0%	11518	+	21.156	460.896	78.471	2,50	5,19
			-	0	460.896	78.471	2,50	VNR
	87,5%	11536	+	30.687	460.896	78.471	2,50	4,68
			-	0	460.896	78.471	2,50	VNR
	100,0%	11549	+	40.217	460.896	78.471	2,50	4,27
			-	0	460.896	78.471	2,50	VNR
Trave 15-16	0%	7418	+	0	459.560	78.471	2,50	VNR
			-	-37.177	459.560	78.471	2,50	5,70
	12,5%	7368	+	0	459.560	78.471	2,50	VNR
			-	-29.070	459.560	78.471	2,50	6,36
	25,0%	7346	+	2.648	459.560	78.471	2,50	10,06
			-	-22.662	459.560	78.471	2,50	7,00
	37,5%	7334	+	7.983	459.560	78.471	2,50	9,02
			-	-16.455	459.560	78.471	2,50	7,74
	50,0%	7355	+	13.569	459.560	78.471	2,50	8,11
			-	-10.583	459.560	78.471	2,50	8,56
	62,5%	7382	+	19.851	459.560	78.471	2,50	7,28
			-	-5.359	459.560	78.471	2,50	9,46
	75,0%	7418	+	26.476	459.560	78.471	2,50	6,57
			-	-310	459.560	78.471	2,50	10,50
	87,5%	7463	+	33.298	459.560	78.471	2,50	5,97
			-	0	459.560	78.471	2,50	VNR
	100%	7488	+	42.503	459.560	78.471	2,50	5,32
			-	0	459.560	78.471	2,50	VNR
Trave 16-17	0%	14583	+	0	461.983	78.471	2,50	VNR
			-	-50.883	461.983	78.471	2,50	3,38
	12,5%	14510	+	0	461.983	78.471	2,50	VNR
			-	-38.886	461.983	78.471	2,50	3,72
	25,0%	14485	+	0	461.983	78.471	2,50	VNR
			-	-27.041	461.983	78.471	2,50	4,11
	37,5%	14492	+	0	461.983	78.471	2,50	VNR
			-	-15.373	461.983	78.471	2,50	4,59
	50,0%	14525	+	928	461.983	78.471	2,50	5,34
			-	-3.733	461.983	78.471	2,50	5,18
	62,5%	14652	+	10.737	461.983	78.471	2,50	4,76
			-	0	461.983	78.471	2,50	VNR
	75,0%	14745	+	22.750	461.983	78.471	2,50	4,22
			-	0	461.983	78.471	2,50	VNR
	87,5%	14858	+	36.585	461.983	78.471	2,50	3,72
			-	0	461.983	78.471	2,50	VNR
	100,0%	14919	+	51.352	461.983	78.471	2,50	3,32
			-	0	461.983	78.471	2,50	VNR
Fondazione					**Trave 1b-1-5-9-14**			
Trave 1b-1	0%	0	+	608	455.850	-	-	VNR
			-	-608	455.850	-	-	VNR
	12,5%	589	+	46.355	455.850	78.471	2,50	9,16
			-	-40.399	455.850	78.471	2,50	10,40
	25,0%	720	+	58.137	455.850	78.471	2,50	7,31
			-	-46.101	455.850	78.471	2,50	9,07
	37,5%	852	+	69.596	455.850	78.471	2,50	6,12
			-	-51.360	455.850	78.471	2,50	8,10
	50,0%	1114	+	88.298	455.850	78.471	2,50	4,81
			-	-63.742	455.850	78.471	2,50	6,49
	62,5%	1246	+	98.682	455.850	78.471	2,50	4,30
			-	-67.686	455.850	78.471	2,50	6,08
	75,0%	983	+	87.222	455.850	78.471	2,50	4,91
			-	-49.672	455.850	78.471	2,50	8,23
	87,5%	1114	+	98.128	455.850	78.471	2,50	4,36
			-	-53.912	455.850	78.471	2,50	7,55
	100%	1312	+	112.153	455.850	78.471	2,50	3,81
			-	-61.171	455.850	78.471	2,50	6,63
Trave 1-5	0%	24106	+	185.604	455.850	78.471	2,50	1,40
			-	-219.402	455.850	78.471	2,50	1,27
	12,5%	23793	+	176.006	455.850	78.471	2,50	1,45
			-	-198.414	455.850	78.471	2,50	1,35
	25,0%	23602	+	173.884	455.850	78.471	2,50	1,47

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	Ctgϴ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
			-	-184.598	455.850	78.471	2,50	1,42
	37,5%	23427	+	174.045	455.850	78.471	2,50	1,47
			-	-172.761	455.850	78.471	2,50	1,48
	50,0%	23124	+	176.147	455.850	78.471	2,50	1,47
			-	-162.547	455.850	78.471	2,50	1,54
	62,5%	22996	+	185.398	455.850	78.471	2,50	1,43
			-	-159.156	455.850	78.471	2,50	1,56
	75,0%	22883	+	202.889	455.850	78.471	2,50	1,36
			-	-163.681	455.850	78.471	2,50	1,54
	87,5%	22785	+	203.270	455.850	78.471	2,50	1,36
			-	-150.790	455.850	78.471	2,50	1,61
	100%	22665	+	219.746	455.850	78.471	2,50	1,30
			-	-153.738	455.850	78.471	2,50	1,60
Trave 5-9	0%	23430	+	133.126	455.850	78.471	2,50	1,69
			-	-182.266	455.850	78.471	2,50	1,43
	12,5%	23344	+	129.221	455.850	78.471	2,50	1,72
			-	-164.129	455.850	78.471	2,50	1,52
	25,0%	23307	+	129.254	455.850	78.471	2,50	1,72
			-	-149.794	455.850	78.471	2,50	1,60
	37,5%	23294	+	130.008	455.850	78.471	2,50	1,72
			-	-136.068	455.850	78.471	2,50	1,68
	50,0%	23322	+	127.143	455.850	78.471	2,50	1,74
			-	-118.621	455.850	78.471	2,50	1,79
	62,5%	23367	+	130.825	455.850	78.471	2,50	1,71
			-	-107.619	455.850	78.471	2,50	1,87
	75,0%	23429	+	135.380	455.850	78.471	2,50	1,68
			-	-97.400	455.850	78.471	2,50	1,95
	87,5%	23429	+	140.656	455.850	78.471	2,50	1,65
			-	-87.838	455.850	78.471	2,50	2,04
	100%	23550	+	145.719	455.850	78.471	2,50	1,61
			-	-78.067	455.850	78.471	2,50	2,12
Trave 9-14	0%	16094	+	42.229	455.850	78.471	2,50	3,36
			-	-138.747	455.850	78.471	2,50	1,96
	12,5%	15606	+	32.077	455.850	78.471	2,50	3,71
			-	-108.233	455.850	78.471	2,50	2,29
	25,0%	15309	+	29.282	455.850	78.471	2,50	3,86
			-	-85.814	455.850	78.471	2,50	2,61
	37,5%	15035	+	27.173	455.850	78.471	2,50	3,98
			-	-65.065	455.850	78.471	2,50	2,99
	50,0%	14556	+	17.254	455.850	78.471	2,50	4,48
			-	-37.512	455.850	78.471	2,50	3,73
	62,5%	14351	+	18.339	455.850	78.471	2,50	4,48
			-	-21.837	455.850	78.471	2,50	4,33
	75,0%	14166	+	20.351	455.850	78.471	2,50	4,44
			-	-7.747	455.850	78.471	2,50	5,06
	87,5%	14004	+	23.950	455.850	78.471	2,50	4,33
			-	0	455.850	78.471	2,50	VNR
	100,0%	13798	+	37.016	455.850	78.471	2,50	3,89
			-	0	455.850	78.471	2,50	VNR
Fondazione					**Trave 2b-2-6-10-15**			
Trave 2b-2	0%	0	+	184	455.850	-	-	VNR
			-	-184	455.850	-	-	VNR
	12,5%	300	+	9.590	455.850	78.471	2,50	40,22
			-	-3.862	455.850	78.471	2,50	81,33
	25,0%	366	+	13.810	455.850	78.471	2,50	28,60
			-	-2.220	455.850	78.471	2,50	NS
	37,5%	433	+	18.010	455.850	78.471	2,50	22,21
			-	-428	455.850	78.471	2,50	NS
	50,0%	567	+	23.222	455.850	78.471	2,50	17,19
			-	0	455.850	78.471	2,50	VNR
	62,5%	634	+	27.291	455.850	78.471	2,50	14,72
			-	0	455.850	78.471	2,50	VNR
	75,0%	499	+	30.535	455.850	78.471	2,50	13,63
			-	0	455.850	78.471	2,50	VNR
	87,5%	567	+	35.996	455.850	78.471	2,50	11,60
			-	0	455.850	78.471	2,50	VNR
	100%	668	+	41.553	455.850	78.471	2,50	10,03
			-	0	455.850	78.471	2,50	VNR
Trave 2-6	0%	12569	+	997	455.850	78.471	2,50	6,16
			-	-16.617	455.850	78.471	2,50	5,09
	12,5%	12404	+	7.841	455.850	78.471	2,50	5,71
			-	-12.301	455.850	78.471	2,50	5,40
	25,0%	12303	+	15.457	455.850	78.471	2,50	5,24
			-	-8.381	455.850	78.471	2,50	5,71
	37,5%	12210	+	22.481	455.850	78.471	2,50	4,88
			-	-3.467	455.850	78.471	2,50	6,13
	50,0%	12048	+	29.819	455.850	78.471	2,50	4,57
			-	0	455.850	78.471	2,50	VNR
	62,5%	11978	+	37.913	455.850	78.471	2,50	4,24
			-	0	455.850	78.471	2,50	VNR
	75,0%	11917	+	48.975	455.850	78.471	2,50	3,86

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	Ctgϴ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
			-	0	455.850	78.471	2,50	VNR
	87,5%	11862	+	60.335	455.850	78.471	2,50	3,53
			-	0	455.850	78.471	2,50	VNR
	100,0%	11794	+	71.963	455.850	78.471	2,50	3,25
			-	0	455.850	78.471	2,50	VNR
Trave 6-10	0%	10237	+	0	455.850	78.471	2,50	VNR
			-	-61.020	455.850	78.471	2,50	3,78
	12,5%	10184	+	0	455.850	78.471	2,50	VNR
			-	-48.885	455.850	78.471	2,50	4,22
	25,0%	10156	+	0	455.850	78.471	2,50	VNR
			-	-36.749	455.850	78.471	2,50	4,76
	37,5%	10136	+	7.340	455.850	78.471	2,50	6,88
			-	-34.702	455.850	78.471	2,50	4,87
	50,0%	10120	+	18.191	455.850	78.471	2,50	5,92
			-	-31.205	455.850	78.471	2,50	5,07
	62,5%	10130	+	29.197	455.850	78.471	2,50	5,18
			-	-27.989	455.850	78.471	2,50	5,25
	75,0%	10146	+	40.316	455.850	78.471	2,50	4,59
			-	-25.018	455.850	78.471	2,50	5,43
	87,5%	10146	+	47.290	455.850	78.471	2,50	4,29
			-	-18.044	455.850	78.471	2,50	5,92
	100%	10184	+	60.501	455.850	78.471	2,50	3,81
			-	-17.469	455.850	78.471	2,50	5,95
Trave 10-15	0%	3713	+	0	455.970	78.471	2,50	VNR
			-	-86.347	455.970	78.471	2,50	4,22
	12,5%	3601	+	542	455.970	78.471	2,50	21,24
			-	-68.218	455.970	78.471	2,50	5,12
	25,0%	3531	+	4.072	455.970	78.471	2,50	18,54
			-	-53.932	455.970	78.471	2,50	6,12
	37,5%	3465	+	7.661	455.970	78.471	2,50	16,40
			-	-40.801	455.970	78.471	2,50	7,48
	50,0%	3344	+	8.106	455.970	78.471	2,50	16,56
			-	-25.636	455.970	78.471	2,50	10,12
	62,5%	3290	+	12.854	455.970	78.471	2,50	14,26
			-	-15.762	455.970	78.471	2,50	13,07
	75,0%	3238	+	17.886	455.970	78.471	2,50	12,42
			-	-6.966	455.970	78.471	2,50	17,69
	87,5%	3191	+	23.203	455.970	78.471	2,50	10,92
			-	0	455.970	78.471	2,50	VNR
	100,0%	3126	+	31.395	455.970	78.471	2,50	9,20
			-	0	455.970	78.471	2,50	VNR
Fondazione					**Trave 3b-3-7-11-16**			
Trave 3b-3	0%	0	+	48	455.850	-	-	VNR
			-	-48	455.850	-	-	VNR
	12,5%	85	+	5.245	455.850	78.471	2,50	79,43
			-	0	455.850	78.471	2,50	VNR
	25,0%	105	+	10.466	455.850	78.471	2,50	41,16
			-	0	455.850	78.471	2,50	VNR
	37,5%	123	+	15.894	455.850	78.471	2,50	27,45
			-	0	455.850	78.471	2,50	VNR
	50,0%	161	+	21.453	455.850	78.471	2,50	20,36
			-	0	455.850	78.471	2,50	VNR
	62,5%	180	+	27.138	455.850	78.471	2,50	16,17
			-	0	455.850	78.471	2,50	VNR
	75,0%	142	+	32.949	455.850	78.471	2,50	13,50
			-	0	455.850	78.471	2,50	VNR
	87,5%	161	+	38.879	455.850	78.471	2,50	11,45
			-	0	455.850	78.471	2,50	VNR
	100%	189	+	44.923	455.850	78.471	2,50	9,91
			-	0	455.850	78.471	2,50	VNR
Trave 3-7	0%	4013	+	10.837	455.850	78.471	2,50	13,35
			-	-12.645	455.850	78.471	2,50	12,68
	12,5%	3966	+	17.690	455.850	78.471	2,50	11,19
			-	-7.324	455.850	78.471	2,50	15,01
	25,0%	3937	+	25.746	455.850	78.471	2,50	9,38
			-	-2.712	455.850	78.471	2,50	17,82
	37,5%	3910	+	33.518	455.850	78.471	2,50	8,11
			-	0	455.850	78.471	2,50	VNR
	50,0%	3863	+	42.640	455.850	78.471	2,50	7,00
			-	0	455.850	78.471	2,50	VNR
	62,5%	3843	+	54.824	455.850	78.471	2,50	5,91
			-	0	455.850	78.471	2,50	VNR
	75,0%	3826	+	67.479	455.850	78.471	2,50	5,08
			-	0	455.850	78.471	2,50	VNR
	87,5%	3810	+	80.537	455.850	78.471	2,50	4,44
			-	0	455.850	78.471	2,50	VNR
	100,0%	3790	+	93.883	455.850	78.471	2,50	3,93
			-	0	455.850	78.471	2,50	VNR
Trave 7-11	0%	4203	+	0	455.850	78.471	2,50	VNR
			-	-79.961	455.850	78.471	2,50	4,37
	12,5%	4190	+	0	455.850	78.471	2,50	VNR

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	Ctgϴ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
			-	-66.036	455.850	78.471	2,50	5,04
	25,0%	4185	+	0	455.850	78.471	2,50	VNR
			-	-52.151	455.850	78.471	2,50	5,96
	37,5%	4183	+	5.967	455.850	78.471	2,50	15,06
			-	-50.559	455.850	78.471	2,50	6,09
	50,0%	4186	+	18.233	455.850	78.471	2,50	10,71
			-	-46.747	455.850	78.471	2,50	6,41
	62,5%	4192	+	30.995	455.850	78.471	2,50	8,24
			-	-43.693	455.850	78.471	2,50	6,70
	75,0%	4200	+	43.947	455.850	78.471	2,50	6,67
			-	-41.101	455.850	78.471	2,50	6,96
	87,5%	4200	+	51.585	455.850	78.471	2,50	6,00
			-	-33.463	455.850	78.471	2,50	7,88
	100%	4218	+	67.141	455.850	78.471	2,50	4,97
			-	-34.013	455.850	78.471	2,50	7,79
Trave 11-16	0%	3313	+	7.184	456.941	78.471	2,50	17,26
			-	-101.438	456.941	78.471	2,50	3,78
	12,5%	3278	+	6.104	456.941	78.471	2,50	18,14
			-	-80.078	456.941	78.471	2,50	4,61
	25,0%	3260	+	8.798	456.941	78.471	2,50	16,45
			-	-63.576	456.941	78.471	2,50	5,53
	37,5%	3246	+	11.580	456.941	78.471	2,50	14,99
			-	-48.482	456.941	78.471	2,50	6,78
	50,0%	3233	+	10.232	456.941	78.471	2,50	15,73
			-	-30.594	456.941	78.471	2,50	9,25
	62,5%	3239	+	14.477	456.941	78.471	2,50	13,71
			-	-19.501	456.941	78.471	2,50	11,91
	75,0%	3248	+	19.073	456.941	78.471	2,50	12,03
			-	-9.749	456.941	78.471	2,50	15,94
	87,5%	3262	+	24.023	456.941	78.471	2,50	10,62
			-	-1.103	456.941	78.471	2,50	22,74
	100,0%	3271	+	31.064	456.941	78.471	2,50	9,12
			-	0	456.941	78.471	2,50	VNR
Fondazione					**Trave 4b-4-8-13**			
Trave 4b-4	0%	0	+	626	455.850	-	-	VNR
			-	-626	455.850	-	-	VNR
	12,5%	465	+	44.092	455.850	78.471	2,50	9,74
			-	-38.746	455.850	78.471	2,50	11,00
	25,0%	568	+	55.147	455.850	78.471	2,50	7,80
			-	-44.333	455.850	78.471	2,50	9,57
	37,5%	672	+	65.882	455.850	78.471	2,50	6,53
			-	-49.482	455.850	78.471	2,50	8,54
	50,0%	880	+	83.456	455.850	78.471	2,50	5,15
			-	-61.352	455.850	78.471	2,50	6,86
	62,5%	983	+	93.125	455.850	78.471	2,50	4,61
			-	-65.201	455.850	78.471	2,50	6,43
	75,0%	775	+	82.170	455.850	78.471	2,50	5,26
			-	-48.310	455.850	78.471	2,50	8,63
	87,5%	880	+	92.356	455.850	78.471	2,50	4,68
			-	-52.452	455.850	78.471	2,50	7,92
	100%	1036	+	105.467	455.850	78.471	2,50	4,09
			-	-59.417	455.850	78.471	2,50	6,97
Trave 4-8	0%	24819	+	172.931	455.850	78.471	2,50	1,44
			-	-193.851	455.850	78.471	2,50	1,35
	12,5%	24568	+	163.735	455.850	78.471	2,50	1,49
			-	-174.329	455.850	78.471	2,50	1,44
	25,0%	24420	+	161.621	455.850	78.471	2,50	1,50
			-	-161.565	455.850	78.471	2,50	1,50
	37,5%	24288	+	161.699	455.850	78.471	2,50	1,51
			-	-150.655	455.850	78.471	2,50	1,56
	50,0%	24073	+	163.880	455.850	78.471	2,50	1,50
			-	-141.500	455.850	78.471	2,50	1,62
	62,5%	23990	+	172.634	455.850	78.471	2,50	1,46
			-	-138.564	455.850	78.471	2,50	1,64
	75,0%	23922	+	189.425	455.850	78.471	2,50	1,39
			-	-143.323	455.850	78.471	2,50	1,61
	87,5%	23870	+	189.475	455.850	78.471	2,50	1,39
			-	-131.037	455.850	78.471	2,50	1,69
	100%	23822	+	205.261	455.850	78.471	2,50	1,33
			-	-134.253	455.850	78.471	2,50	1,67
Trave 8-13	0%	23492	+	110.267	455.850	78.471	2,50	1,85
			-	-185.541	455.850	78.471	2,50	1,42
	12,5%	23498	+	105.798	455.850	78.471	2,50	1,88
			-	-167.898	455.850	78.471	2,50	1,50
	25,0%	23529	+	105.124	455.850	78.471	2,50	1,89
			-	-154.044	455.850	78.471	2,50	1,57
	37,5%	23644	+	105.040	455.850	78.471	2,50	1,88
			-	-140.856	455.850	78.471	2,50	1,64
	50,0%	23727	+	101.162	455.850	78.471	2,50	1,91
			-	-123.990	455.850	78.471	2,50	1,74
	62,5%	23828	+	103.857	455.850	78.471	2,50	1,88

Travi (CA) - Verifica composta taglio e torsione SLU

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	$Ctg\Theta$	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
			-	-113.817	455.850	78.471	2,50	1,81
	75,0%	23947	+	107.307	455.850	78.471	2,50	1,85
			-	-104.507	455.850	78.471	2,50	1,87
	87,5%	23947	+	111.366	455.850	78.471	2,50	1,82
			-	-95.894	455.850	78.471	2,50	1,94
	100%	24155	+	115.048	455.850	78.471	2,50	1,79
			-	-86.972	455.850	78.471	2,50	2,01
Fondazione					**Trave 12-17**			
Trave 12-17	0%	12496	+	60.201	460.929	78.471	2,50	3,45
			-	-128.925	460.929	78.471	2,50	2,28
	12,5%	12135	+	47.213	460.929	78.471	2,50	3,89
			-	-99.229	460.929	78.471	2,50	2,70
	25,0%	11923	+	42.131	460.929	78.471	2,50	4,11
			-	-77.871	460.929	78.471	2,50	3,12
	37,5%	11749	+	38.066	460.929	78.471	2,50	4,30
			-	-57.986	460.929	78.471	2,50	3,63
	50,0%	11443	+	26.216	460.929	78.471	2,50	4,93
			-	-30.656	460.929	78.471	2,50	4,71
	62,5%	11312	+	26.285	460.929	78.471	2,50	4,97
			-	-15.383	460.929	78.471	2,50	5,63
	75,0%	11195	+	27.725	460.929	78.471	2,50	4,93
			-	-1.405	460.929	78.471	2,50	6,86
	87,5%	11092	+	35.540	460.929	78.471	2,50	4,58
			-	0	460.929	78.471	2,50	VNR
	100,0%	10961	+	49.067	460.929	78.471	2,50	4,06
			-	0	460.929	78.471	2,50	VNR

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
T_{Ed} Momento torcente di progetto.
+/- [+] = sollecitazione massima; [-] = sollecitazione minima.
$V_{Ed,2}$ Taglio di progetto in direzione 2.
V_{Rcd} Resistenza a taglio compressione del calcestruzzo.
T_{Rcd} Momento resistente del calcestruzzo.
$Ctg\Theta$ Cotangente dell'angolo Θ utilizzata nella verifica.
$CS_{v,T}$ Coefficiente di sicurezza per taglio e torsione ([NS] = Non Significativo per valori di CS >= 100; [VNR]= Verifica Non Richiesta).

TRAVI (CA) - VERIFICHE PRESSOFLESSIONE RETTA ALLO SLD (Fondazione)

Travi (CA) - Verifiche pressoflessione retta allo SLD

Id_{Tr}	$\%L_{LI}$	$N_{Ed,s}$	$M_{Ed,3,s}$	$N_{Ed,i}$	$M_{Ed,3,i}$	$A_{s,s}$	$A_{s,i}$	CS_s	$(X/d)_s$	CS_i	$(X/d)_i$	R_f
	[%]	[N]	[N·m]	[N]	[N·m]	[cm²]	[cm²]					
Fondazione							**Trave 1-2-3-4**					
Trave 1-2	0%	0	25.414	0	37.262	12,57	12,57	6.87[S]	VNR	4.69[S]	VNR	NO
	12,5%	0	16.408	0	23.796	12,57	12,57	10.65[S]	VNR	7.34[S]	VNR	NO
	25,0%	0	13.829	0	4.328	12,57	12,57	12.64[S]	VNR	40.39[S]	VNR	NO
	37,5%	0	13.232	0	0	12,57	12,57	13.21[S]	VNR	-	VNR	NO
	50,0%	0	12.907	0	0	12,57	12,57	13.54[S]	VNR	-	VNR	NO
	62,5%	0	12.841	0	6.497	12,57	12,57	13.61[S]	VNR	26.91[S]	VNR	NO
	75,0%	0	12.947	0	20.415	12,57	12,57	13.50[S]	VNR	8.56[S]	VNR	NO
	87,5%	0	11.305	0	37.754	12,57	12,57	15.46[S]	VNR	4.63[S]	VNR	NO
	100,0%	0	6.990	0	39.826	25,13	25,13	48.52[S]	VNR	8.51[S]	VNR	NO
Trave 2-3	0%	0	9.224	0	19.150	25,13	25,13	36.77[S]	VNR	17.71[S]	VNR	NO
	12,5%	0	12.299	0	16.221	12,57	12,57	14.21[S]	VNR	10.77[S]	VNR	NO
	25,0%	0	12.777	0	4.184	12,57	12,57	13.68[S]	VNR	41.78[S]	VNR	NO
	37,5%	0	12.600	0	0	12,57	12,57	13.87[S]	VNR	-	VNR	NO
	50,0%	0	11.823	0	0	12,57	12,57	14.78[S]	VNR	-	VNR	NO
	62,5%	0	8.868	0	4.439	12,57	12,57	19.71[S]	VNR	39.38[S]	VNR	NO
	75,0%	0	4.421	0	16.820	12,57	12,57	39.54[S]	VNR	10.39[S]	VNR	NO
	87,5%	0	0	0	33.211	12,57	12,57	-	VNR	5.26[S]	VNR	NO
	100%	0	0	0	36.301	25,13	25,13	-	VNR	9.34[S]	VNR	NO
Trave 3-4	0%	0	0	0	53.411	25,13	25,13	-	VNR	6.35[S]	VNR	NO
	12,5%	0	324	0	42.820	12,57	12,57	NS	VNR	4.08[S]	VNR	NO
	25,0%	0	12.318	0	18.365	12,57	12,57	14.19[S]	VNR	9.52[S]	VNR	NO
	37,5%	0	18.186	0	0	12,57	12,57	9.61[S]	VNR	-	VNR	NO
	50,0%	0	19.866	0	0	12,57	12,57	8.80[S]	VNR	-	VNR	NO
	62,5%	0	20.922	0	0	12,57	12,57	8.35[S]	VNR	-	VNR	NO
	75,0%	0	20.347	0	1.521	12,57	12,57	8.59[S]	VNR	NS	VNR	NO
	87,5%	0	23.135	0	30.803	12,57	12,57	7.55[S]	VNR	5.67[S]	VNR	NO
	100%	0	25.289	0	39.701	12,57	12,57	6.91[S]	VNR	4.40[S]	VNR	NO
Fondazione							**Trave 9-10-11-12-13**					
Trave 9-10	0%	0	36.388	0	61.004	12,57	12,57	4.80[S]	VNR	2.86[S]	VNR	NO
	12,5%	0	25.277	0	43.986	12,57	12,57	6.91[S]	VNR	3.97[S]	VNR	NO
	25,0%	0	20.699	0	15.578	12,57	12,57	8.44[S]	VNR	11.22[S]	VNR	NO
	37,5%	0	18.569	0	0	12,57	12,57	9.41[S]	VNR	-	VNR	NO
	50,0%	0	21.709	0	0	12,57	12,57	8.05[S]	VNR	-	VNR	NO
	62,5%	0	26.175	0	14.363	12,57	12,57	6.67[S]	VNR	12.17[S]	VNR	NO
	75,0%	0	31.632	0	39.166	12,57	12,57	5.52[S]	VNR	4.46[S]	VNR	NO
	87,5%	0	38.413	0	72.807	12,57	12,57	4.55[S]	VNR	2.40[S]	VNR	NO
	100,0%	0	39.045	0	75.987	25,13	25,13	8.68[S]	VNR	4.46[S]	VNR	NO
Trave 10-11	0%	0	65.351	0	81.293	25,13	25,13	5.19[S]	VNR	4.17[S]	VNR	NO

Id_{Tr}	$\%L_{LI}$	$N_{Ed,s}$	$M_{Ed,3,s}$	$N_{Ed,i}$	$M_{Ed,3,i}$	$A_{s,s}$	$A_{s,i}$	CS_s	$(X/d)_s$	CS_i	$(X/d)_i$	R_f
	[%]	[N]	[N·m]	[N]	[N·m]	[cm²]	[cm²]					
	12,5%	0	49.761	0	62.887	12,57	12,57	3.51[S]	VNR	2.78[S]	VNR	NO
	25,0%	0	36.497	0	29.501	12,57	12,57	4.79[S]	VNR	5.92[S]	VNR	NO
	37,5%	0	27.042	0	7.500	12,57	12,57	6.46[S]	VNR	23.31[S]	VNR	NO
	50,0%	0	17.752	0	3.100	12,57	12,57	9.84[S]	VNR	56.40[S]	VNR	NO
	62,5%	0	20.498	0	22.186	12,57	12,57	8.52[S]	VNR	7.88[S]	VNR	NO
	75,0%	0	26.608	0	52.618	12,57	12,57	6.57[S]	VNR	3.32[S]	VNR	NO
	87,5%	0	36.625	0	95.101	12,57	12,57	4.77[S]	VNR	1.83[S]	VNR	NO
	100,0%	0	37.966	0	98.976	25,13	25,13	8.93[S]	VNR	3.42[S]	VNR	NO
Trave 11-12	0%	0	9.532	0	108.815	25,13	25,13	35.58[S]	VNR	3.11[S]	VNR	NO
	12,5%	0	7.317	0	83.061	12,57	12,57	23.89[S]	VNR	2.10[S]	VNR	NO
	25,0%	0	14.810	0	41.021	12,57	12,57	11.80[S]	VNR	4.26[S]	VNR	NO
	37,5%	0	20.168	0	11.645	12,57	12,57	8.66[S]	VNR	15.01[S]	VNR	NO
	50,0%	0	23.302	0	0	12,57	12,57	7.50[S]	VNR	-	VNR	NO
	62,5%	0	31.532	0	0	12,57	12,57	5.54[S]	VNR	-	VNR	NO
	75,0%	0	37.791	0	10.485	12,57	12,57	4.62[S]	VNR	16.67[S]	VNR	NO
	87,5%	0	46.471	0	42.693	12,57	12,57	3.76[S]	VNR	4.09[S]	VNR	NO
	100%	0	47.625	0	51.306	25,13	25,13	7.12[S]	VNR	6.61[S]	VNR	NO
Trave 12-13	0%	0	20.828	0	20.370	25,13	25,13	16.28[S]	VNR	16.65[S]	VNR	NO
	12,5%	0	17.249	0	16.791	25,13	25,13	19.66[S]	VNR	20.20[S]	VNR	NO
	24,9%	0	13.759	0	13.301	12,57	12,57	12.70[S]	VNR	13.14[S]	VNR	NO
	37,5%	0	13.574	0	15.818	12,57	12,57	12.88[S]	VNR	11.05[S]	VNR	NO
	50,0%	0	3.851	0	5.081	12,57	12,57	45.40[S]	VNR	34.41[S]	VNR	NO
	62,5%	0	3.101	0	3.293	12,57	12,57	56.38[S]	VNR	53.09[S]	VNR	NO
	74,9%	0	5.416	0	5.042	12,57	12,57	32.28[S]	VNR	34.67[S]	VNR	NO
	87,5%	0	9.122	0	10.188	12,57	12,57	19.16[S]	VNR	17.16[S]	VNR	NO
	100%	0	14.430	0	17.348	12,57	12,57	12.11[S]	VNR	10.07[S]	VNR	NO
Fondazione							**Trave 14-15-16-17**					
Trave 14-15	0%	0	0	0	12.787	12,57	12,57	-	VNR	13.67[S]	VNR	NO
	12,5%	0	5.280	0	10.687	12,57	12,57	33.11[S]	VNR	16.36[S]	VNR	NO
	25,0%	0	9.388	0	1.793	12,57	12,57	18.62[S]	VNR	97.51[S]	VNR	NO
	37,5%	0	10.562	0	0	12,57	12,57	16.55[S]	VNR	-	VNR	NO
	50,0%	0	10.594	0	0	12,57	12,57	16.50[S]	VNR	-	VNR	NO
	62,5%	0	10.634	0	0	12,57	12,57	16.44[S]	VNR	-	VNR	NO
	75,0%	0	9.824	0	3.460	12,57	12,57	17.79[S]	VNR	50.53[S]	VNR	NO
	87,5%	0	6.646	0	13.469	12,57	12,57	26.30[S]	VNR	12.98[S]	VNR	NO
	100,0%	0	1.019	0	14.731	25,13	25,13	NS	VNR	23.02[S]	VNR	NO
Trave 15-16	0%	0	7.773	0	20.678	25,13	25,13	43.63[S]	VNR	16.40[S]	VNR	NO
	12,5%	0	9.070	0	16.280	12,57	12,57	19.27[S]	VNR	10.73[S]	VNR	NO
	25,0%	0	10.788	0	4.260	12,57	12,57	16.20[S]	VNR	41.04[S]	VNR	NO
	37,5%	0	11.007	0	0	12,57	12,57	15.88[S]	VNR	-	VNR	NO
	50,0%	0	10.084	0	0	12,57	12,57	17.33[S]	VNR	-	VNR	NO
	62,5%	0	10.705	0	0	12,57	12,57	16.33[S]	VNR	-	VNR	NO
	75,0%	0	9.539	0	9.264	12,57	12,57	18.32[S]	VNR	18.87[S]	VNR	NO
	87,5%	0	6.764	0	23.111	12,57	12,57	25.84[S]	VNR	7.56[S]	VNR	NO
	100%	0	2.392	0	25.413	25,13	25,13	NS	VNR	13.34[S]	VNR	NO
Trave 16-17	0%	0	0	0	24.116	25,13	25,13	-	VNR	14.06[S]	VNR	NO
	12,5%	0	4.547	0	18.300	12,57	12,57	38.45[S]	VNR	9.55[S]	VNR	NO
	25,0%	0	11.726	0	3.691	12,57	12,57	14.91[S]	VNR	47.36[S]	VNR	NO
	37,5%	0	15.020	0	0	12,57	12,57	11.64[S]	VNR	-	VNR	NO
	50,0%	0	15.335	0	0	12,57	12,57	11.40[S]	VNR	-	VNR	NO
	62,5%	0	15.390	0	0	12,57	12,57	11.36[S]	VNR	-	VNR	NO
	75,0%	0	13.253	0	0	12,57	12,57	13.19[S]	VNR	-	VNR	NO
	87,5%	0	6.738	0	13.287	12,57	12,57	25.94[S]	VNR	13.15[S]	VNR	NO
	100,0%	0	0	0	18.336	12,57	12,57	-	VNR	9.53[S]	VNR	NO
Fondazione							**Trave 1b-1-5-9-14**					
Trave 1b-1	0%	0	0	0	1.488	12,57	12,57	-	VNR	NS	VNR	NO
	12,5%	0	275	0	3.230	12,57	12,57	NS	VNR	54.13[S]	VNR	NO
	25,0%	0	1.149	0	7.184	12,57	12,57	NS	VNR	24.33[S]	VNR	NO
	37,5%	0	1.978	0	13.224	12,57	12,57	88.39[S]	VNR	13.22[S]	VNR	NO
	50,0%	0	3.987	0	24.485	12,57	12,57	43.85[S]	VNR	7.14[S]	VNR	NO
	62,5%	0	9.626	0	37.202	12,57	12,57	18.16[S]	VNR	4.69[S]	VNR	NO
	75,0%	0	909	0	18.865	12,57	12,57	NS	VNR	9.26[S]	VNR	NO
	87,5%	0	4.925	0	29.523	12,57	12,57	35.50[S]	VNR	5.92[S]	VNR	NO
	100%	0	10.933	0	43.265	28,27	31,42	34.78[S]	VNR	9.69[S]	VNR	NO
Trave 1-5	0%	0	84.415	0	94.911	28,27	31,42	4.50[S]	VNR	4.42[S]	VNR	NO
	12,5%	0	61.702	0	72.198	15,71	18,85	3.50[S]	VNR	3.56[S]	VNR	NO
	25,0%	0	36.965	0	40.127	15,71	18,85	5.85[S]	VNR	6.41[S]	VNR	NO
	37,5%	0	19.650	0	16.682	15,71	18,85	11.01[S]	VNR	15.42[S]	VNR	NO
	50,0%	0	20.499	0	25.855	15,71	18,85	10.55[S]	VNR	9.95[S]	VNR	NO
	62,5%	0	36.914	0	53.648	15,71	18,85	5.86[S]	VNR	4.79[S]	VNR	NO
	75,0%	0	78.586	0	110.918	15,71	18,85	2.75[S]	VNR	2.31[S]	VNR	NO
	87,5%	0	58.803	0	87.339	15,71	18,85	3.68[S]	VNR	2.94[S]	VNR	NO
	100%	0	91.405	0	138.893	28,27	31,42	4.16[S]	VNR	3.02[S]	VNR	NO
Trave 5-9	0%	0	86.294	0	114.744	28,27	31,42	4.40[S]	VNR	3.65[S]	VNR	NO
	12,5%	0	67.650	0	96.100	28,27	31,42	5.62[S]	VNR	4.36[S]	VNR	NO
	25,0%	0	44.293	0	60.661	12,57	12,57	3.94[S]	VNR	2.88[S]	VNR	NO
	37,5%	0	26.049	0	32.331	12,57	12,57	6.71[S]	VNR	5.40[S]	VNR	NO
	50,0%	0	8.968	0	12.439	12,57	12,57	19.49[S]	VNR	14.05[S]	VNR	NO
	62,5%	0	9.945	0	28.703	12,57	12,57	17.58[S]	VNR	6.09[S]	VNR	NO
	75,0%	0	18.611	0	53.399	12,57	12,57	9.39[S]	VNR	3.27[S]	VNR	NO
	87,5%	0	18.593	0	50.387	12,57	12,57	9.40[S]	VNR	3.46[S]	VNR	NO
	100%	0	31.465	0	83.439	25,13	25,13	10.77[S]	VNR	4.06[S]	VNR	NO
Trave 9-14	0%	0	14.153	0	94.892	25,13	25,13	23.96[S]	VNR	3.57[S]	VNR	NO

Id_{Tr}	$\%L_{LI}$	$N_{Ed,s}$	$M_{Ed,3,s}$	$N_{Ed,i}$	$M_{Ed,3,i}$	$A_{s,s}$	$A_{s,i}$	CS_s	$(X/d)_s$	CS_i	$(X/d)_i$	R_f
	[%]	[N]	[N·m]	[N]	[N·m]	[cm²]	[cm²]					
	12,5%	0	4.386	0	73.186	12,57	12,57	39.86[S]	VNR	2.38[S]	VNR	NO
	25,0%	0	8.839	0	36.511	12,57	12,57	19.78[S]	VNR	4.78[S]	VNR	NO
	37,5%	0	11.556	0	11.596	12,57	12,57	15.12[S]	VNR	15.07[S]	VNR	NO
	50,0%	0	18.103	0	0	12,57	12,57	9.65[S]	VNR	-	VNR	NO
	62,5%	0	21.428	0	0	12,57	12,57	8.15[S]	VNR	-	VNR	NO
	75,0%	0	21.567	0	1.767	12,57	12,57	8.10[S]	VNR	98.94[S]	VNR	NO
	87,5%	0	22.240	0	14.588	12,57	12,57	7.86[S]	VNR	11.98[S]	VNR	NO
	100,0%	0	20.893	0	17.678	12,57	12,57	8.36[S]	VNR	9.89[S]	VNR	NO
Fondazione							**Trave 2b-2-6-10-15**					
Trave 2b-2	0%	0	0	0	1.365	12,57	12,57	-	VNR	NS	VNR	NO
	12,5%	0	44	0	2.793	12,57	12,57	NS	VNR	62.59[S]	VNR	NO
	25,0%	0	182	0	4.983	12,57	12,57	NS	VNR	35.08[S]	VNR	NO
	37,5%	0	242	0	7.919	12,57	12,57	NS	VNR	22.07[S]	VNR	NO
	50,0%	0	0	0	12.076	12,57	12,57	-	VNR	14.47[S]	VNR	NO
	62,5%	0	0	0	16.891	12,57	12,57	-	VNR	10.35[S]	VNR	NO
	75,0%	0	0	0	15.690	12,57	12,57	-	VNR	11.14[S]	VNR	NO
	87,5%	0	0	0	16.423	12,57	12,57	-	VNR	10.64[S]	VNR	NO
	100%	0	0	0	19.758	25,13	25,13	-	VNR	17.16[S]	VNR	NO
Trave 2-6	0%	0	13.197	0	5.153	25,13	25,13	25.70[S]	VNR	65.82[S]	VNR	NO
	12,5%	0	12.184	0	4.140	12,57	12,57	14.35[S]	VNR	42.23[S]	VNR	NO
	25,0%	0	11.230	0	366	12,57	12,57	15.56[S]	VNR	NS	VNR	NO
	37,5%	0	9.173	0	2.472	12,57	12,57	19.06[S]	VNR	70.72[S]	VNR	NO
	50,0%	0	5.431	0	9.330	12,57	12,57	32.19[S]	VNR	18.73[S]	VNR	NO
	62,5%	0	668	0	19.375	12,57	12,57	NS	VNR	9.02[S]	VNR	NO
	75,0%	0	0	0	34.273	12,57	12,57	-	VNR	5.10[S]	VNR	NO
	87,5%	0	0	0	40.646	12,57	12,57	-	VNR	4.30[S]	VNR	NO
	100,0%	0	0	0	45.514	25,13	25,13	-	VNR	7.45[S]	VNR	NO
Trave 6-10	0%	0	0	0	38.035	25,13	25,13	-	VNR	8.91[S]	VNR	NO
	12,5%	0	0	0	36.780	12,57	12,57	-	VNR	4.75[S]	VNR	NO
	25,0%	0	0	0	25.330	12,57	12,57	-	VNR	6.90[S]	VNR	NO
	37,5%	0	0	0	14.735	12,57	12,57	-	VNR	11.86[S]	VNR	NO
	50,0%	0	2.302	0	6.962	12,57	12,57	75.95[S]	VNR	25.11[S]	VNR	NO
	62,5%	0	4.160	0	9.874	12,57	12,57	42.02[S]	VNR	17.70[S]	VNR	NO
	75,0%	0	5.754	0	19.704	12,57	12,57	30.38[S]	VNR	8.87[S]	VNR	NO
	87,5%	0	6.230	0	20.430	12,57	12,57	28.06[S]	VNR	8.55[S]	VNR	NO
	100%	0	9.617	0	32.367	25,13	25,13	35.26[S]	VNR	10.47[S]	VNR	NO
Trave 10-15	0%	0	0	0	65.719	25,13	25,13	-	VNR	5.16[S]	VNR	NO
	12,5%	0	0	0	53.013	12,57	12,57	-	VNR	3.29[S]	VNR	NO
	25,0%	0	6.301	0	26.422	12,57	12,57	27.74[S]	VNR	6.61[S]	VNR	NO
	37,5%	0	10.481	0	7.729	12,57	12,57	16.68[S]	VNR	22.62[S]	VNR	NO
	50,0%	0	15.037	0	0	12,57	12,57	11.62[S]	VNR	-	VNR	NO
	62,5%	0	17.419	0	0	12,57	12,57	10.03[S]	VNR	-	VNR	NO
	75,0%	0	17.349	0	0	12,57	12,57	10.07[S]	VNR	-	VNR	NO
	87,5%	0	18.212	0	10.418	12,57	12,57	9.60[S]	VNR	16.78[S]	VNR	NO
	100,0%	0	17.243	0	12.926	12,57	12,57	10.13[S]	VNR	13.52[S]	VNR	NO
Fondazione							**Trave 3b-3-7-11-16**					
Trave 3b-3	0%	0	0	0	1.446	12,57	12,57	-	VNR	NS	VNR	NO
	12,5%	0	17	0	2.932	12,57	12,57	NS	VNR	59.63[S]	VNR	NO
	25,0%	0	67	0	5.045	12,57	12,57	NS	VNR	34.65[S]	VNR	NO
	37,5%	0	30	0	7.775	12,57	12,57	NS	VNR	22.48[S]	VNR	NO
	50,0%	0	0	0	11.263	12,57	12,57	-	VNR	15.52[S]	VNR	NO
	62,5%	0	0	0	15.349	12,57	12,57	-	VNR	11.39[S]	VNR	NO
	75,0%	0	0	0	16.752	12,57	12,57	-	VNR	10.43[S]	VNR	NO
	87,5%	0	0	0	16.980	12,57	12,57	-	VNR	10.29[S]	VNR	NO
	100%	0	0	0	17.998	25,13	25,13	-	VNR	18.84[S]	VNR	NO
Trave 3-7	0%	0	23.215	0	0	25,13	25,13	14.61[S]	VNR	-	VNR	NO
	12,5%	0	21.859	0	0	12,57	12,57	7.99[S]	VNR	-	VNR	NO
	25,0%	0	18.783	0	0	12,57	12,57	9.30[S]	VNR	-	VNR	NO
	37,5%	0	14.087	0	4.566	12,57	12,57	12.41[S]	VNR	38.29[S]	VNR	NO
	50,0%	0	7.606	0	14.151	12,57	12,57	22.98[S]	VNR	12.35[S]	VNR	NO
	62,5%	0	308	0	27.738	12,57	12,57	NS	VNR	6.30[S]	VNR	NO
	75,0%	0	0	0	46.948	12,57	12,57	-	VNR	3.72[S]	VNR	NO
	87,5%	0	0	0	56.160	12,57	12,57	-	VNR	3.11[S]	VNR	NO
	100,0%	0	0	0	61.354	25,13	25,13	-	VNR	5.52[S]	VNR	NO
Trave 7-11	0%	0	0	0	54.046	25,13	25,13	-	VNR	6.27[S]	VNR	NO
	12,5%	0	0	0	52.429	12,57	12,57	-	VNR	3.33[S]	VNR	NO
	25,0%	0	0	0	37.251	12,57	12,57	-	VNR	4.69[S]	VNR	NO
	37,5%	0	0	0	22.771	12,57	12,57	-	VNR	7.67[S]	VNR	NO
	50,0%	0	4.774	0	11.440	12,57	12,57	36.62[S]	VNR	15.28[S]	VNR	NO
	62,5%	0	9.793	0	8.073	12,57	12,57	17.85[S]	VNR	21.65[S]	VNR	NO
	75,0%	0	14.942	0	17.586	12,57	12,57	11.70[S]	VNR	9.94[S]	VNR	NO
	87,5%	0	14.769	0	16.339	12,57	12,57	11.83[S]	VNR	10.70[S]	VNR	NO
	100%	0	20.768	0	30.932	25,13	25,13	16.33[S]	VNR	10.96[S]	VNR	NO
Trave 11-16	0%	0	754	0	76.152	25,13	25,13	NS	VNR	4.45[S]	VNR	NO
	12,5%	0	468	0	60.958	12,57	12,57	NS	VNR	2.86[S]	VNR	NO
	25,0%	0	7.266	0	30.594	12,57	12,57	24.06[S]	VNR	5.71[S]	VNR	NO
	37,5%	0	11.815	0	9.337	12,57	12,57	14.79[S]	VNR	18.72[S]	VNR	NO
	50,0%	0	17.031	0	0	12,57	12,57	10.26[S]	VNR	-	VNR	NO
	62,5%	0	20.321	0	0	12,57	12,57	8.60[S]	VNR	-	VNR	NO
	75,0%	0	20.981	0	0	12,57	12,57	8.33[S]	VNR	-	VNR	NO
	87,5%	0	21.560	0	9.687	12,57	12,57	8.10[S]	VNR	18.04[S]	VNR	NO
	100,0%	0	21.506	0	12.250	12,57	12,57	8.12[S]	VNR	14.27[S]	VNR	NO
Fondazione							**Trave 4b-4-8-13**					

Travi (CA) - Verifiche pressoflessione retta allo SLD

Id_{Tr}	$\%L_{LI}$	$N_{Ed,s}$	$M_{Ed,3,s}$	$N_{Ed,i}$	$M_{Ed,3,i}$	$A_{s,s}$	$A_{s,i}$	CS_s	$(X/d)_s$	CS_i	$(X/d)_i$	R_f
	[%]	[N]	[N·m]	[N]	[N·m]	[cm²]	[cm²]					
Trave 4b-4	0%	0	0	0	1.341	12,57	12,57	-	VNR	NS	VNR	NO
	12,5%	0	264	0	2.927	12,57	12,57	NS	VNR	59.73[S]	VNR	NO
	25,0%	0	1.105	0	6.610	12,57	12,57	NS	VNR	26.45[S]	VNR	NO
	37,5%	0	1.908	0	12.268	12,57	12,57	91.63[S]	VNR	14.25[S]	VNR	NO
	50,0%	0	4.454	0	22.908	12,57	12,57	39.25[S]	VNR	7.63[S]	VNR	NO
	62,5%	0	10.072	0	34.914	12,57	12,57	17.35[S]	VNR	5.00[S]	VNR	NO
	75,0%	0	1.424	0	17.586	12,57	12,57	NS	VNR	9.94[S]	VNR	NO
	87,5%	0	5.477	0	27.631	12,57	12,57	31.92[S]	VNR	6.32[S]	VNR	NO
	100%	0	11.465	0	40.601	28,27	31,42	33.16[S]	VNR	10.33[S]	VNR	NO
Trave 4-8	0%	0	80.987	0	81.281	28,27	31,42	4.69[S]	VNR	5.16[S]	VNR	NO
	12,5%	0	60.278	0	60.572	15,71	18,85	3.59[S]	VNR	4.24[S]	VNR	NO
	25,0%	0	36.640	0	32.710	15,71	18,85	5.90[S]	VNR	7.86[S]	VNR	NO
	37,5%	0	19.445	0	13.073	15,71	18,85	11.12[S]	VNR	19.68[S]	VNR	NO
	50,0%	0	15.097	0	27.263	15,71	18,85	14.33[S]	VNR	9.43[S]	VNR	NO
	62,5%	0	28.473	0	54.307	15,71	18,85	7.60[S]	VNR	4.73[S]	VNR	NO
	75,0%	0	64.902	0	108.324	15,71	18,85	3.33[S]	VNR	2.37[S]	VNR	NO
	87,5%	0	47.173	0	86.387	15,71	18,85	4.58[S]	VNR	2.97[S]	VNR	NO
	100%	0	75.296	0	135.216	28,27	31,42	5.05[S]	VNR	3.10[S]	VNR	NO
Trave 8-13	0%	0	61.656	0	125.038	28,27	31,42	6.16[S]	VNR	3.35[S]	VNR	NO
	12,5%	0	44.104	0	107.486	12,57	31,42	3.95[S]	VNR	3.84[S]	VNR	NO
	25,0%	0	26.481	0	70.351	12,57	12,57	6.60[S]	VNR	2.48[S]	VNR	NO
	37,5%	0	14.568	0	39.114	12,57	12,57	12.00[S]	VNR	4.47[S]	VNR	NO
	50,0%	0	12.364	0	13.278	12,57	12,57	14.14[S]	VNR	13.16[S]	VNR	NO
	62,5%	0	22.156	0	13.450	12,57	12,57	7.89[S]	VNR	12.99[S]	VNR	NO
	75,0%	0	35.552	0	30.610	12,57	12,57	4.91[S]	VNR	5.71[S]	VNR	NO
	87,5%	0	34.614	0	28.758	12,57	12,57	5.05[S]	VNR	6.07[S]	VNR	NO
	100%	0	51.934	0	53.374	12,57	12,57	3.36[S]	VNR	3.27[S]	VNR	NO
Fondazione							**Trave 12-17**					
Trave 12-17	0%	0	33.994	0	74.411	12,57	12,57	5.14[S]	VNR	2.34[S]	VNR	NO
	12,5%	0	22.121	0	53.322	12,57	12,57	7.90[S]	VNR	3.27[S]	VNR	NO
	25,0%	0	18.202	0	22.086	12,57	12,57	9.60[S]	VNR	7.91[S]	VNR	NO
	37,5%	0	16.952	0	2.047	12,57	12,57	10.31[S]	VNR	85.41[S]	VNR	NO
	50,0%	0	17.286	0	0	12,57	12,57	10.11[S]	VNR	-	VNR	NO
	62,5%	0	17.563	0	0	12,57	12,57	9.95[S]	VNR	-	VNR	NO
	75,0%	0	17.878	0	10.029	12,57	12,57	9.77[S]	VNR	17.43[S]	VNR	NO
	87,5%	0	16.687	0	26.467	12,57	12,57	10.47[S]	VNR	6.60[S]	VNR	NO
	100,0%	0	12.135	0	30.333	12,57	12,57	14.40[S]	VNR	5.76[S]	VNR	NO

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
$(X/d)_s$ Indice di duttilità superiore (VNR = Verifica non richiesta).
$(X/d)_i$ Indice di duttilità inferiore (VNR = Verifica non richiesta).
R_f [SI] = elemento con presenza di rinforzo; [NO] = elemento senza rinforzo.
$N_{Ed,s}$, $M_{Ed,3,s}$ Sollecitazioni di progetto per armatura superiore (N_{Ed} >0: compressione).
$N_{Ed,i}$, $M_{Ed,3,i}$ Sollecitazioni di progetto per armatura inferiore (N_{Ed} > 0: compressione).
$A_{s,s}$, $A_{s,i}$ Armatura a flessione superiore e inferiore.
CS_i, CS_s Coefficiente di sicurezza relativo alle sollecitazioni che tendono le fibre inferiori e superiori ([NS] = Non Significativo per valori di CS >= 100; [VNR]= Verifica Non Richiesta).

TRAVI (CA) - VERIFICHE A TAGLIO PER PRESSOFLESSIONE RETTA ALLO SLD (Fondazione)

Travi (CA) - Verifiche a taglio per pressoflessione retta allo SLD

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,Y}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctgϴ
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]	
Fondazione							**Trave 1-2-3-4**					
Trave 1-2	0%	+	12.703	26,10	690.133	331.505	31.487	0	0	0	0	2,50
		-	-62.025	5,34	690.133	331.505	31.487	0	0	0	0	2,50
	12,5%	+	10.362	32,11	690.133	332.748	31.487	0	0	0	0	2,50
		-	-45.240	7,36	690.133	332.748	31.487	0	0	0	0	2,50
	25,0%	+	11.872	28,09	690.133	333.492	31.487	0	0	0	0	2,50
		-	-32.588	10,23	690.133	333.492	31.487	0	0	0	0	2,50
	37,5%	+	14.001	23,87	690.133	334.163	31.487	0	0	0	0	2,50
		-	-20.783	16,08	690.133	334.163	31.487	0	0	0	0	2,50
	50,0%	+	13.417	24,99	690.133	335.290	31.487	0	0	0	0	2,50
		-	-6.385	52,51	690.133	335.290	31.487	0	0	0	0	2,50
	62,5%	+	17.597	19,08	690.133	335.749	31.487	0	0	0	0	2,50
		-	0	-	690.133	335.749	31.487	0	0	0	0	2,50
	75,0%	+	22.430	14,99	690.133	336.137	31.487	0	0	0	0	2,50
		-	0	-	690.133	336.137	31.487	0	0	0	0	2,50
	87,5%	+	27.870	12,07	690.133	336.457	31.487	0	0	0	0	2,50
		-	0	-	690.133	336.457	31.487	0	0	0	0	2,50
	100,0 %	+	33.337	10,10	690.133	336.815	31.487	0	0	0	0	2,50
		-	0	-	690.133	336.815	31.487	0	0	0	0	2,50
Trave 2-3	0%	+	0	-	683.775	379.745	0	0	0	0	0	2,50
		-	-26.842	14,15	683.775	379.745	0	0	0	0	0	2,50
	12,5%	+	0	-	683.775	340.637	0	0	0	0	0	2,50
		-	-19.282	17,67	683.775	340.637	0	0	0	0	0	2,50
	25,0%	+	0	-	683.775	340.711	0	0	0	0	0	2,50
		-	-11.726	29,06	683.775	340.711	0	0	0	0	0	2,50

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,Y}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctgϴ
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]	
	37,5%	+	1.239	NS	683.775	340.769	0	0	0	0	0	2,50
		-	-4.235	80,46	683.775	340.769	0	0	0	0	0	2,50
	50,0%	+	8.775	38,84	683.775	340.840	0	0	0	0	0	2,50
		-	0	-	683.775	340.840	0	0	0	0	0	2,50
	62,5%	+	16.436	20,74	683.775	340.848	0	0	0	0	0	2,50
		-	0	-	683.775	340.848	0	0	0	0	0	2,50
	75,0%	+	24.425	13,95	683.775	340.831	0	0	0	0	0	2,50
		-	0	-	683.775	340.831	0	0	0	0	0	2,50
	87,5%	+	32.643	10,44	683.775	340.797	0	0	0	0	0	2,50
		-	0	-	683.775	340.797	0	0	0	0	0	2,50
	100%	+	40.915	9,29	683.775	380.020	0	0	0	0	0	2,50
		-	0	-	683.775	380.020	0	0	0	0	0	2,50
Trave 3-4	0%	+	0	-	690.563	349.234	33.618	0	0	0	0	2,50
		-	-47.430	7,36	690.563	349.234	33.618	0	0	0	0	2,50
	12,5%	+	0	-	690.563	348.565	33.618	0	0	0	0	2,50
		-	-36.209	9,63	690.563	348.565	33.618	0	0	0	0	2,50
	25,0%	+	0	-	690.563	348.116	33.618	0	0	0	0	2,50
		-	-25.290	13,76	690.563	348.116	33.618	0	0	0	0	2,50
	37,5%	+	0	-	690.563	347.557	33.618	0	0	0	0	2,50
		-	-16.307	21,31	690.563	347.557	33.618	0	0	0	0	2,50
	50,0%	+	0	-	690.563	346.889	33.618	0	0	0	0	2,50
		-	-10.624	32,65	690.563	346.889	33.618	0	0	0	0	2,50
	62,5%	+	17.580	19,64	690.563	345.218	33.618	0	0	0	0	2,50
		-	-12.016	28,73	690.563	345.218	33.618	0	0	0	0	2,50
	75,0%	+	32.711	10,52	690.563	344.209	33.618	0	0	0	0	2,50
		-	-10.545	32,64	690.563	344.209	33.618	0	0	0	0	2,50
	87,5%	+	49.358	6,95	690.563	343.083	33.618	0	0	0	0	2,50
		-	-10.104	33,96	690.563	343.083	33.618	0	0	0	0	2,50
	100%	+	62.668	5,47	690.563	342.488	33.618	0	0	0	0	2,50
		-	-5.502	62,25	690.563	342.488	33.618	0	0	0	0	2,50
Fondazione							**Trave 9-10-11-12-13**					
Trave 9-10	0%	+	10.805	31,92	692.430	344.842	42.863	0	0	0	0	2,50
		-	-78.203	4,41	692.430	344.842	42.863	0	0	0	0	2,50
	12,5%	+	12.220	28,23	692.430	344.925	42.863	0	0	0	0	2,50
		-	-61.270	5,63	692.430	344.925	42.863	0	0	0	0	2,50
	25,0%	+	16.943	20,36	692.430	344.972	42.863	0	0	0	0	2,50
		-	-48.111	7,17	692.430	344.972	42.863	0	0	0	0	2,50
	37,5%	+	22.380	15,42	692.430	345.009	42.863	0	0	0	0	2,50
		-	-36.092	9,56	692.430	345.009	42.863	0	0	0	0	2,50
	50,0%	+	27.276	12,65	692.430	345.065	42.863	0	0	0	0	2,50
		-	-23.840	14,47	692.430	345.065	42.863	0	0	0	0	2,50
	62,5%	+	36.075	9,57	692.430	345.083	42.863	0	0	0	0	2,50
		-	-15.645	22,06	692.430	345.083	42.863	0	0	0	0	2,50
	75,0%	+	46.342	7,45	692.430	345.092	42.863	0	0	0	0	2,50
		-	-8.928	38,65	692.430	345.092	42.863	0	0	0	0	2,50
	87,5%	+	57.136	6,04	692.430	345.089	42.863	0	0	0	0	2,50
		-	-2.654	NS	692.430	345.089	42.863	0	0	0	0	2,50
	100,0 %	+	66.927	5,16	692.430	345.085	42.863	0	0	0	0	2,50
		-	0	-	692.430	345.085	42.863	0	0	0	0	2,50
Trave 10-11	0%	+	17.189	20,39	684.443	350.523	3.304	0	0	0	0	2,50
		-	-73.367	4,78	684.443	350.523	3.304	0	0	0	0	2,50
	12,5%	+	22.099	14,41	684.443	318.414	3.304	0	0	0	0	2,50
		-	-61.075	5,21	684.443	318.414	3.304	0	0	0	0	2,50
	25,0%	+	28.584	11,14	684.443	318.414	3.304	0	0	0	0	2,50
		-	-50.418	6,32	684.443	318.414	3.304	0	0	0	0	2,50
	37,5%	+	35.625	8,94	684.443	318.414	3.304	0	0	0	0	2,50
		-	-40.307	7,90	684.443	318.414	3.304	0	0	0	0	2,50
	50,0%	+	44.098	7,22	684.443	318.414	3.304	0	0	0	0	2,50
		-	-31.494	10,11	684.443	318.414	3.304	0	0	0	0	2,50
	62,5%	+	54.424	5,85	684.443	318.414	3.304	0	0	0	0	2,50
		-	-24.266	13,12	684.443	318.414	3.304	0	0	0	0	2,50
	75,0%	+	65.766	4,84	684.443	318.414	3.304	0	0	0	0	2,50
		-	-17.682	18,01	684.443	318.414	3.304	0	0	0	0	2,50
	87,5%	+	77.885	4,09	684.443	318.414	3.304	0	0	0	0	2,50
		-	-11.477	27,74	684.443	318.414	3.304	0	0	0	0	2,50
	100,0 %	+	88.762	3,59	684.443	318.414	3.304	0	0	0	0	2,50
		-	-3.728	85,41	684.443	318.414	3.304	0	0	0	0	2,50
Trave 11-12	0%	+	0	-	688.563	315.321	23.709	0	0	0	0	2,50
		-	-82.828	3,81	688.563	315.321	23.709	0	0	0	0	2,50
	12,5%	+	0	-	688.563	315.321	23.709	0	0	0	0	2,50
		-	-65.002	4,85	688.563	315.321	23.709	0	0	0	0	2,50
	25,0%	+	0	-	688.563	315.321	23.709	0	0	0	0	2,50
		-	-50.326	6,27	688.563	315.321	23.709	0	0	0	0	2,50
	37,5%	+	0	-	688.563	315.321	23.709	0	0	0	0	2,50
		-	-37.320	8,45	688.563	315.321	23.709	0	0	0	0	2,50
	50,0%	+	6.609	47,71	688.563	315.321	23.709	0	0	0	0	2,50
		-	-26.555	11,87	688.563	315.321	23.709	0	0	0	0	2,50
	62,5%	+	22.029	14,31	688.563	315.298	23.709	0	0	0	0	2,50
		-	-22.747	13,86	688.563	315.298	23.709	0	0	0	0	2,50

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,Y}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctgϴ
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]	
	75,0%	+	37.010	8,52	688.563	315.263	23.709	0	0	0	0	2,50
		-	-18.954	16,63	688.563	315.263	23.709	0	0	0	0	2,50
	87,5%	+	53.298	5,91	688.563	315.222	23.709	0	0	0	0	2,50
		-	-16.398	19,22	688.563	315.222	23.709	0	0	0	0	2,50
	100%	+	66.659	6,53	688.563	435.610	23.709	0	0	0	0	2,50
		-	-10.469	41,61	688.563	435.610	23.709	0	0	0	0	2,50
Trave 12-13	0%	+	46.930	8,27	684.732	387.983	4.737	0	0	0	0	2,50
		-	-61.232	6,34	684.732	387.983	4.737	0	0	0	0	2,50
	12,5%	+	48.610	7,98	684.732	387.928	4.737	0	0	0	0	2,50
		-	-58.116	6,68	684.732	387.928	4.737	0	0	0	0	2,50
	24,9%	+	51.369	7,55	684.732	387.897	4.737	0	0	0	0	2,50
		-	-56.061	6,92	684.732	387.897	4.737	0	0	0	0	2,50
	37,5%	+	54.038	7,18	684.732	387.872	4.737	0	0	0	0	2,50
		-	-53.898	7,20	684.732	387.872	4.737	0	0	0	0	2,50
	50,0%	+	55.545	6,98	684.732	387.951	4.737	0	0	0	0	2,50
		-	-50.553	7,67	684.732	387.951	4.737	0	0	0	0	2,50
	62,5%	+	58.186	6,67	684.732	387.935	4.737	0	0	0	0	2,50
		-	-48.326	8,03	684.732	387.935	4.737	0	0	0	0	2,50
	74,9%	+	60.851	6,37	684.732	387.917	4.737	0	0	0	0	2,50
		-	-46.105	8,41	684.732	387.917	4.737	0	0	0	0	2,50
	87,5%	+	63.664	6,09	684.732	387.885	4.737	0	0	0	0	2,50
		-	-44.012	8,81	684.732	387.885	4.737	0	0	0	0	2,50
	100%	+	66.386	5,84	684.732	387.860	4.737	0	0	0	0	2,50
		-	-41.810	9,28	684.732	387.860	4.737	0	0	0	0	2,50
Fondazione							**Trave 14-15-16-17**					
Trave 14-15	0%	+	0	-	691.344	337.337	37.481	0	0	0	0	2,50
		-	-31.174	10,82	691.344	337.337	37.481	0	0	0	0	2,50
	12,5%	+	0	-	691.344	337.508	37.481	0	0	0	0	2,50
		-	-22.422	15,05	691.344	337.508	37.481	0	0	0	0	2,50
	25,0%	+	0	-	691.344	337.602	37.481	0	0	0	0	2,50
		-	-14.811	22,79	691.344	337.602	37.481	0	0	0	0	2,50
	37,5%	+	0	-	691.344	337.678	37.481	0	0	0	0	2,50
		-	-7.660	44,08	691.344	337.678	37.481	0	0	0	0	2,50
	50,0%	+	1.178	NS	691.344	337.782	37.481	0	0	0	0	2,50
		-	-856	NS	691.344	337.782	37.481	0	0	0	0	2,50
	62,5%	+	7.413	45,57	691.344	337.808	37.481	0	0	0	0	2,50
		-	0	-	691.344	337.808	37.481	0	0	0	0	2,50
	75,0%	+	13.586	24,86	691.344	337.810	37.481	0	0	0	0	2,50
		-	0	-	691.344	337.810	37.481	0	0	0	0	2,50
	87,5%	+	19.720	17,13	691.344	337.786	37.481	0	0	0	0	2,50
		-	0	-	691.344	337.786	37.481	0	0	0	0	2,50
	100,0 %	+	25.637	13,18	691.344	337.769	37.481	0	0	0	0	2,50
		-	0	-	691.344	337.769	37.481	0	0	0	0	2,50
Trave 15-16	0%	+	0	-	689.340	343.289	27.561	0	0	0	0	2,50
		-	-28.392	12,09	689.340	343.289	27.561	0	0	0	0	2,50
	12,5%	+	0	-	689.340	343.356	27.561	0	0	0	0	2,50
		-	-22.020	15,59	689.340	343.356	27.561	0	0	0	0	2,50
	25,0%	+	0	-	689.340	343.385	27.561	0	0	0	0	2,50
		-	-15.902	21,59	689.340	343.385	27.561	0	0	0	0	2,50
	37,5%	+	1.453	NS	689.340	343.401	27.561	0	0	0	0	2,50
		-	-9.925	34,60	689.340	343.401	27.561	0	0	0	0	2,50
	50,0%	+	7.109	48,30	689.340	343.373	27.561	0	0	0	0	2,50
		-	-4.123	83,28	689.340	343.373	27.561	0	0	0	0	2,50
	62,5%	+	13.103	26,20	689.340	343.337	27.561	0	0	0	0	2,50
		-	0	-	689.340	343.337	27.561	0	0	0	0	2,50
	75,0%	+	19.303	17,78	689.340	343.289	27.561	0	0	0	0	2,50
		-	0	-	689.340	343.289	27.561	0	0	0	0	2,50
	87,5%	+	25.658	13,38	689.340	343.229	27.561	0	0	0	0	2,50
		-	0	-	689.340	343.229	27.561	0	0	0	0	2,50
	100%	+	31.932	10,75	689.340	343.195	27.561	0	0	0	0	2,50
		-	0	-	689.340	343.195	27.561	0	0	0	0	2,50
Trave 16-17	0%	+	0	-	692.975	333.716	45.559	0	0	0	0	2,50
		-	-32.505	10,27	692.975	333.716	45.559	0	0	0	0	2,50
	12,5%	+	0	-	692.975	333.813	45.559	0	0	0	0	2,50
		-	-24.742	13,49	692.975	333.813	45.559	0	0	0	0	2,50
	25,0%	+	0	-	692.975	333.847	45.559	0	0	0	0	2,50
		-	-17.265	19,34	692.975	333.847	45.559	0	0	0	0	2,50
	37,5%	+	0	-	692.975	333.837	45.559	0	0	0	0	2,50
		-	-9.864	33,84	692.975	333.837	45.559	0	0	0	0	2,50
	50,0%	+	0	-	692.975	333.793	45.559	0	0	0	0	2,50
		-	-2.413	NS	692.975	333.793	45.559	0	0	0	0	2,50
	62,5%	+	8.071	41,34	692.975	333.624	45.559	0	0	0	0	2,50
		-	0	-	692.975	333.624	45.559	0	0	0	0	2,50
	75,0%	+	16.965	19,66	692.975	333.499	45.559	0	0	0	0	2,50
		-	0	-	692.975	333.499	45.559	0	0	0	0	2,50
	87,5%	+	26.664	12,50	692.975	333.348	45.559	0	0	0	0	2,50
		-	0	-	692.975	333.348	45.559	0	0	0	0	2,50
	100,0 %	+	36.221	9,20	692.975	333.267	45.559	0	0	0	0	2,50
		-	0	-	692.975	333.267	45.559	0	0	0	0	2,50

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,Y}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctgϴ
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]	
Fondazione							**Trave 1b-1-5-9-14**					
Trave 1b-1	0%	+	276	NS	683.775	353.200	0	0	0	0	0	2,50
		-	-276	NS	683.775	353.200	0	0	0	0	0	2,50
	12,5%	+	22.527	15,64	683.775	352.413	0	0	0	0	0	2,50
		-	-16.571	21,27	683.775	352.413	0	0	0	0	0	2,50
	25,0%	+	29.507	11,94	683.775	352.238	0	0	0	0	0	2,50
		-	-17.471	20,16	683.775	352.238	0	0	0	0	0	2,50
	37,5%	+	36.375	9,68	683.775	352.061	0	0	0	0	0	2,50
		-	-18.139	19,41	683.775	352.061	0	0	0	0	0	2,50
	50,0%	+	46.542	7,56	683.775	351.711	0	0	0	0	0	2,50
		-	-21.986	16,00	683.775	351.711	0	0	0	0	0	2,50
	62,5%	+	52.993	6,63	683.775	351.535	0	0	0	0	0	2,50
		-	-21.997	15,98	683.775	351.535	0	0	0	0	0	2,50
	75,0%	+	49.625	7,09	683.775	351.886	0	0	0	0	0	2,50
		-	-12.075	29,14	683.775	351.886	0	0	0	0	0	2,50
	87,5%	+	56.372	6,24	683.775	351.711	0	0	0	0	0	2,50
		-	-12.156	28,93	683.775	351.711	0	0	0	0	0	2,50
	100%	+	64.555	5,44	683.775	351.447	0	0	0	0	0	2,50
		-	-13.573	25,89	683.775	351.447	0	0	0	0	0	2,50
Trave 1-5	0%	+	74.387	4,32	683.775	320.992	0	0	0	0	0	2,50
		-	-108.185	2,97	683.775	320.992	0	0	0	0	0	2,50
	12,5%	+	73.186	4,39	683.775	321.410	0	0	0	0	0	2,50
		-	-95.594	3,36	683.775	321.410	0	0	0	0	0	2,50
	25,0%	+	75.438	4,26	683.775	321.665	0	0	0	0	0	2,50
		-	-86.152	3,73	683.775	321.665	0	0	0	0	0	2,50
	37,5%	+	78.802	4,08	683.775	321.899	0	0	0	0	0	2,50
		-	-77.518	4,15	683.775	321.899	0	0	0	0	0	2,50
	50,0%	+	83.130	3,88	683.775	322.304	0	0	0	0	0	2,50
		-	-69.530	4,64	683.775	322.304	0	0	0	0	0	2,50
	62,5%	+	90.773	3,55	683.775	322.475	0	0	0	0	0	2,50
		-	-64.531	5,00	683.775	322.475	0	0	0	0	0	2,50
	75,0%	+	102.225	3,16	683.775	322.626	0	0	0	0	0	2,50
		-	-63.017	5,12	683.775	322.626	0	0	0	0	0	2,50
	87,5%	+	106.037	3,04	683.775	322.757	0	0	0	0	0	2,50
		-	-53.557	6,03	683.775	322.757	0	0	0	0	0	2,50
	100%	+	117.186	2,76	683.775	322.917	0	0	0	0	0	2,50
		-	-51.178	6,31	683.775	322.917	0	0	0	0	0	2,50
Trave 5-9	0%	+	46.671	6,90	683.775	321.894	0	0	0	0	0	2,50
		-	-95.811	3,36	683.775	321.894	0	0	0	0	0	2,50
	12,5%	+	48.932	6,58	683.775	322.009	0	0	0	0	0	2,50
		-	-83.840	3,84	683.775	322.009	0	0	0	0	0	2,50
	25,0%	+	52.987	6,08	683.775	322.059	0	0	0	0	0	2,50
		-	-73.527	4,38	683.775	322.059	0	0	0	0	0	2,50
	37,5%	+	57.392	5,61	683.775	322.076	0	0	0	0	0	2,50
		-	-63.452	5,08	683.775	322.076	0	0	0	0	0	2,50
	50,0%	+	60.228	5,35	683.775	322.039	0	0	0	0	0	2,50
		-	-51.706	6,23	683.775	322.039	0	0	0	0	0	2,50
	62,5%	+	65.960	4,88	683.775	321.979	0	0	0	0	0	2,50
		-	-42.754	7,53	683.775	321.979	0	0	0	0	0	2,50
	75,0%	+	72.106	4,46	683.775	321.896	0	0	0	0	0	2,50
		-	-34.126	9,43	683.775	321.896	0	0	0	0	0	2,50
	87,5%	+	78.594	4,10	683.775	321.896	0	0	0	0	0	2,50
		-	-25.776	12,49	683.775	321.896	0	0	0	0	0	2,50
	100%	+	85.003	3,78	683.775	321.734	0	0	0	0	0	2,50
		-	-17.351	18,54	683.775	321.734	0	0	0	0	0	2,50
Trave 9-14	0%	+	0	-	683.775	331.696	0	0	0	0	0	2,50
		-	-90.013	3,68	683.775	331.696	0	0	0	0	0	2,50
	12,5%	+	0	-	683.775	332.348	0	0	0	0	0	2,50
		-	-70.462	4,72	683.775	332.348	0	0	0	0	0	2,50
	25,0%	+	0	-	683.775	332.745	0	0	0	0	0	2,50
		-	-54.840	6,07	683.775	332.745	0	0	0	0	0	2,50
	37,5%	+	2.358	NS	683.775	333.111	0	0	0	0	0	2,50
		-	-40.250	8,28	683.775	333.111	0	0	0	0	0	2,50
	50,0%	+	2.539	NS	683.775	333.751	0	0	0	0	0	2,50
		-	-22.797	14,64	683.775	333.751	0	0	0	0	0	2,50
	62,5%	+	7.558	44,19	683.775	334.025	0	0	0	0	0	2,50
		-	-11.056	30,21	683.775	334.025	0	0	0	0	0	2,50
	75,0%	+	12.827	26,06	683.775	334.272	0	0	0	0	0	2,50
		-	-223	NS	683.775	334.272	0	0	0	0	0	2,50
	87,5%	+	18.395	18,18	683.775	334.488	0	0	0	0	0	2,50
		-	0	-	683.775	334.488	0	0	0	0	0	2,50
	100,0 %	+	23.700	14,13	683.775	334.764	0	0	0	0	0	2,50
		-	0	-	683.775	334.764	0	0	0	0	0	2,50
Fondazione							**Trave 2b-2-6-10-15**					
Trave 2b-2	0%	+	89	NS	683.775	353.200	0	0	0	0	0	2,50
		-	-89	NS	683.775	353.200	0	0	0	0	0	2,50
	12,5%	+	5.900	59,80	683.775	352.799	0	0	0	0	0	2,50
		-	-172	NS	683.775	352.799	0	0	0	0	0	2,50
	25,0%	+	9.413	37,47	683.775	352.711	0	0	0	0	0	2,50
		-	0	-	683.775	352.711	0	0	0	0	0	2,50

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,Y}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctgϴ
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]	
	37,5%	+	12.951	27,23	683.775	352.621	0	0	0	0	0	2,50
		-	0	-	683.775	352.621	0	0	0	0	0	2,50
	50,0%	+	16.982	20,75	683.775	352.442	0	0	0	0	0	2,50
		-	0	-	683.775	352.442	0	0	0	0	0	2,50
	62,5%	+	20.533	17,16	683.775	352.352	0	0	0	0	0	2,50
		-	0	-	683.775	352.352	0	0	0	0	0	2,50
	75,0%	+	22.833	15,44	683.775	352.533	0	0	0	0	0	2,50
		-	0	-	683.775	352.533	0	0	0	0	0	2,50
	87,5%	+	26.548	13,28	683.775	352.442	0	0	0	0	0	2,50
		-	0	-	683.775	352.442	0	0	0	0	0	2,50
	100%	+	30.480	11,56	683.775	352.307	0	0	0	0	0	2,50
		-	0	-	683.775	352.307	0	0	0	0	0	2,50
Trave 2-6	0%	+	0	-	683.775	336.406	0	0	0	0	0	2,50
		-	-11.977	28,09	683.775	336.406	0	0	0	0	0	2,50
	12,5%	+	2.496	NS	683.775	336.626	0	0	0	0	0	2,50
		-	-6.956	48,39	683.775	336.626	0	0	0	0	0	2,50
	25,0%	+	9.110	36,97	683.775	336.761	0	0	0	0	0	2,50
		-	-2.034	NS	683.775	336.761	0	0	0	0	0	2,50
	37,5%	+	15.567	21,64	683.775	336.885	0	0	0	0	0	2,50
		-	0	-	683.775	336.885	0	0	0	0	0	2,50
	50,0%	+	22.288	15,12	683.775	337.102	0	0	0	0	0	2,50
		-	0	-	683.775	337.102	0	0	0	0	0	2,50
	62,5%	+	29.277	11,52	683.775	337.195	0	0	0	0	0	2,50
		-	0	-	683.775	337.195	0	0	0	0	0	2,50
	75,0%	+	37.420	9,01	683.775	337.277	0	0	0	0	0	2,50
		-	0	-	683.775	337.277	0	0	0	0	0	2,50
	87,5%	+	43.339	7,78	683.775	337.350	0	0	0	0	0	2,50
		-	0	-	683.775	337.350	0	0	0	0	0	2,50
	100,0 %	+	51.601	6,54	683.775	337.441	0	0	0	0	0	2,50
		-	0	-	683.775	337.441	0	0	0	0	0	2,50
Trave 6-10	0%	+	0	-	683.775	339.521	0	0	0	0	0	2,50
		-	-39.715	8,55	683.775	339.521	0	0	0	0	0	2,50
	12,5%	+	0	-	683.775	339.592	0	0	0	0	0	2,50
		-	-34.554	9,83	683.775	339.592	0	0	0	0	0	2,50
	25,0%	+	0	-	683.775	339.629	0	0	0	0	0	2,50
		-	-28.256	12,02	683.775	339.629	0	0	0	0	0	2,50
	37,5%	+	0	-	683.775	339.656	0	0	0	0	0	2,50
		-	-23.536	14,43	683.775	339.656	0	0	0	0	0	2,50
	50,0%	+	5.072	66,97	683.775	339.678	0	0	0	0	0	2,50
		-	-18.086	18,78	683.775	339.678	0	0	0	0	0	2,50
	62,5%	+	14.010	24,24	683.775	339.664	0	0	0	0	0	2,50
		-	-12.802	26,53	683.775	339.664	0	0	0	0	0	2,50
	75,0%	+	22.967	14,79	683.775	339.643	0	0	0	0	0	2,50
		-	-7.669	44,29	683.775	339.643	0	0	0	0	0	2,50
	87,5%	+	29.941	11,34	683.775	339.643	0	0	0	0	0	2,50
		-	-695	NS	683.775	339.643	0	0	0	0	0	2,50
	100%	+	39.798	8,53	683.775	339.592	0	0	0	0	0	2,50
		-	0	-	683.775	339.592	0	0	0	0	0	2,50
Trave 10-15	0%	+	0	-	683.954	348.239	886	0	0	0	0	2,50
		-	-63.445	5,49	683.954	348.239	886	0	0	0	0	2,50
	12,5%	+	0	-	683.954	316.280	886	0	0	0	0	2,50
		-	-49.975	6,33	683.954	316.280	886	0	0	0	0	2,50
	25,0%	+	0	-	683.954	316.373	886	0	0	0	0	2,50
		-	-38.542	8,21	683.954	316.373	886	0	0	0	0	2,50
	37,5%	+	0	-	683.954	316.461	886	0	0	0	0	2,50
		-	-27.942	11,33	683.954	316.461	886	0	0	0	0	2,50
	50,0%	+	0	-	683.954	316.623	886	0	0	0	0	2,50
		-	-16.681	18,98	683.954	316.623	886	0	0	0	0	2,50
	62,5%	+	5.258	60,23	683.954	316.695	886	0	0	0	0	2,50
		-	-8.166	38,78	683.954	316.695	886	0	0	0	0	2,50
	75,0%	+	11.288	28,06	683.954	316.765	886	0	0	0	0	2,50
		-	-368	NS	683.954	316.765	886	0	0	0	0	2,50
	87,5%	+	17.292	18,32	683.954	316.827	886	0	0	0	0	2,50
		-	0	-	683.954	316.827	886	0	0	0	0	2,50
	100,0 %	+	23.136	13,70	683.954	316.914	886	0	0	0	0	2,50
		-	0	-	683.954	316.914	886	0	0	0	0	2,50
Fondazione							**Trave 3b-3-7-11-16**					
Trave 3b-3	0%	+	23	NS	683.775	353.200	0	0	0	0	0	2,50
		-	-23	NS	683.775	353.200	0	0	0	0	0	2,50
	12,5%	+	4.055	87,07	683.775	353.086	0	0	0	0	0	2,50
		-	0	-	683.775	353.086	0	0	0	0	0	2,50
	25,0%	+	7.332	48,15	683.775	353.059	0	0	0	0	0	2,50
		-	0	-	683.775	353.059	0	0	0	0	0	2,50
	37,5%	+	10.660	33,12	683.775	353.035	0	0	0	0	0	2,50
		-	0	-	683.775	353.035	0	0	0	0	0	2,50
	50,0%	+	14.109	25,02	683.775	352.984	0	0	0	0	0	2,50
		-	0	-	683.775	352.984	0	0	0	0	0	2,50
	62,5%	+	17.517	20,15	683.775	352.959	0	0	0	0	0	2,50
		-	0	-	683.775	352.959	0	0	0	0	0	2,50

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,Y}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	Ctgϴ
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]	
	75,0%	+	20.844	16,94	683.775	353.010	0	0	0	0	0	2,50
		-	0	-	683.775	353.010	0	0	0	0	0	2,50
	87,5%	+	24.424	14,45	683.775	352.984	0	0	0	0	0	2,50
		-	0	-	683.775	352.984	0	0	0	0	0	2,50
	100%	+	28.067	12,58	683.775	352.947	0	0	0	0	0	2,50
		-	0	-	683.775	352.947	0	0	0	0	0	2,50
Trave 3-7	0%	+	4.469	77,83	683.775	347.837	0	0	0	0	0	2,50
		-	-6.277	55,41	683.775	347.837	0	0	0	0	0	2,50
	12,5%	+	10.985	31,67	683.775	347.900	0	0	0	0	0	2,50
		-	-619	NS	683.775	347.900	0	0	0	0	0	2,50
	25,0%	+	18.128	19,19	683.775	347.939	0	0	0	0	0	2,50
		-	0	-	683.775	347.939	0	0	0	0	0	2,50
	37,5%	+	25.283	13,76	683.775	347.975	0	0	0	0	0	2,50
		-	0	-	683.775	347.975	0	0	0	0	0	2,50
	50,0%	+	32.828	10,60	683.775	348.038	0	0	0	0	0	2,50
		-	0	-	683.775	348.038	0	0	0	0	0	2,50
	62,5%	+	40.772	8,54	683.775	348.064	0	0	0	0	0	2,50
		-	0	-	683.775	348.064	0	0	0	0	0	2,50
	75,0%	+	50.056	6,95	683.775	348.087	0	0	0	0	0	2,50
		-	0	-	683.775	348.087	0	0	0	0	0	2,50
	87,5%	+	56.798	6,13	683.775	348.109	0	0	0	0	0	2,50
		-	0	-	683.775	348.109	0	0	0	0	0	2,50
	100,0 %	+	66.132	5,26	683.775	348.135	0	0	0	0	0	2,50
		-	0	-	683.775	348.135	0	0	0	0	0	2,50
Trave 7-11	0%	+	0	-	683.775	347.584	0	0	0	0	0	2,50
		-	-52.417	6,63	683.775	347.584	0	0	0	0	0	2,50
	12,5%	+	0	-	683.775	347.602	0	0	0	0	0	2,50
		-	-47.205	7,36	683.775	347.602	0	0	0	0	0	2,50
	25,0%	+	0	-	683.775	347.608	0	0	0	0	0	2,50
		-	-40.396	8,61	683.775	347.608	0	0	0	0	0	2,50
	37,5%	+	0	-	683.775	347.611	0	0	0	0	0	2,50
		-	-35.522	9,79	683.775	347.611	0	0	0	0	0	2,50
	50,0%	+	948	NS	683.775	347.607	0	0	0	0	0	2,50
		-	-29.462	11,80	683.775	347.607	0	0	0	0	0	2,50
	62,5%	+	11.120	31,26	683.775	347.599	0	0	0	0	0	2,50
		-	-23.818	14,59	683.775	347.599	0	0	0	0	0	2,50
	75,0%	+	21.313	16,31	683.775	347.588	0	0	0	0	0	2,50
		-	-18.467	18,82	683.775	347.588	0	0	0	0	0	2,50
	87,5%	+	28.951	12,01	683.775	347.588	0	0	0	0	0	2,50
		-	-10.829	32,10	683.775	347.588	0	0	0	0	0	2,50
	100%	+	40.219	8,64	683.775	347.564	0	0	0	0	0	2,50
		-	-7.091	49,01	683.775	347.564	0	0	0	0	0	2,50
Trave 11-16	0%	+	0	-	685.412	348.774	8.104	0	0	0	0	2,50
		-	-72.517	4,81	685.412	348.774	8.104	0	0	0	0	2,50
	12,5%	+	0	-	685.412	316.711	8.104	0	0	0	0	2,50
		-	-57.132	5,54	685.412	316.711	8.104	0	0	0	0	2,50
	25,0%	+	0	-	685.412	316.735	8.104	0	0	0	0	2,50
		-	-44.307	7,15	685.412	316.735	8.104	0	0	0	0	2,50
	37,5%	+	0	-	685.412	316.754	8.104	0	0	0	0	2,50
		-	-32.492	9,75	685.412	316.754	8.104	0	0	0	0	2,50
	50,0%	+	0	-	685.412	316.771	8.104	0	0	0	0	2,50
		-	-19.729	16,06	685.412	316.771	8.104	0	0	0	0	2,50
	62,5%	+	5.437	58,26	685.412	316.763	8.104	0	0	0	0	2,50
		-	-10.461	30,28	685.412	316.763	8.104	0	0	0	0	2,50
	75,0%	+	11.409	27,76	685.412	316.751	8.104	0	0	0	0	2,50
		-	-2.085	NS	685.412	316.751	8.104	0	0	0	0	2,50
	87,5%	+	17.347	18,26	685.412	316.733	8.104	0	0	0	0	2,50
		-	0	-	685.412	316.733	8.104	0	0	0	0	2,50
	100,0 %	+	23.040	13,75	685.412	316.721	8.104	0	0	0	0	2,50
		-	0	-	685.412	316.721	8.104	0	0	0	0	2,50
Fondazione							**Trave 4b-4-8-13**					
Trave 4b-4	0%	+	287	NS	683.775	353.200	0	0	0	0	0	2,50
		-	-287	NS	683.775	353.200	0	0	0	0	0	2,50
	12,5%	+	21.482	16,41	683.775	352.578	0	0	0	0	0	2,50
		-	-16.136	21,85	683.775	352.578	0	0	0	0	0	2,50
	25,0%	+	27.995	12,59	683.775	352.441	0	0	0	0	0	2,50
		-	-17.181	20,51	683.775	352.441	0	0	0	0	0	2,50
	37,5%	+	34.394	10,24	683.775	352.302	0	0	0	0	0	2,50
		-	-17.994	19,58	683.775	352.302	0	0	0	0	0	2,50
	50,0%	+	43.930	8,01	683.775	352.024	0	0	0	0	0	2,50
		-	-21.826	16,13	683.775	352.024	0	0	0	0	0	2,50
	62,5%	+	49.909	7,05	683.775	351.886	0	0	0	0	0	2,50
		-	-21.985	16,01	683.775	351.886	0	0	0	0	0	2,50
	75,0%	+	46.556	7,56	683.775	352.164	0	0	0	0	0	2,50
		-	-12.696	27,74	683.775	352.164	0	0	0	0	0	2,50
	87,5%	+	52.830	6,66	683.775	352.024	0	0	0	0	0	2,50
		-	-12.926	27,23	683.775	352.024	0	0	0	0	0	2,50
	100%	+	60.461	5,82	683.775	351.815	0	0	0	0	0	2,50
		-	-14.411	24,41	683.775	351.815	0	0	0	0	0	2,50

Travi (CA) - Verifiche a taglio per pressoflessione retta allo SLD

Id_{Tr}	$\%L_{LI}$	+/-	$V_{Ed,Y}$	CS	V_{Rcd}	$V_{Rsd,s}$	N_{Ed}	$V_{Rsd,p}$	V_{R1}	$V_{Rd,f}$	$V_{Rd,j}$	CtgΘ
	[%]		[N]		[N]	[N]	[N]	[N]	[N]	[N]	[N]	
Trave 4-8	0%	+	72.857	4,39	683.775	320.039	0	0	0	0	0	2,50
		-	-93.777	3,41	683.775	320.039	0	0	0	0	0	2,50
	12,5%	+	71.497	4,48	683.775	320.374	0	0	0	0	0	2,50
		-	-82.091	3,90	683.775	320.374	0	0	0	0	0	2,50
	25,0%	+	73.443	4,36	683.775	320.572	0	0	0	0	0	2,50
		-	-73.387	4,37	683.775	320.572	0	0	0	0	0	2,50
	37,5%	+	76.476	4,19	683.775	320.748	0	0	0	0	0	2,50
		-	-65.432	4,90	683.775	320.748	0	0	0	0	0	2,50
	50,0%	+	80.560	3,99	683.775	321.036	0	0	0	0	0	2,50
		-	-58.180	5,52	683.775	321.036	0	0	0	0	0	2,50
	62,5%	+	87.728	3,66	683.775	321.147	0	0	0	0	0	2,50
		-	-53.658	5,99	683.775	321.147	0	0	0	0	0	2,50
	75,0%	+	98.648	3,26	683.775	321.237	0	0	0	0	0	2,50
		-	-52.546	6,11	683.775	321.237	0	0	0	0	0	2,50
	87,5%	+	102.032	3,15	683.775	321.307	0	0	0	0	0	2,50
		-	-43.594	7,37	683.775	321.307	0	0	0	0	0	2,50
	100%	+	112.642	2,85	683.775	321.371	0	0	0	0	0	2,50
		-	-41.634	7,72	683.775	321.371	0	0	0	0	0	2,50
Trave 8-13	0%	+	29.666	10,85	683.775	321.812	0	0	0	0	0	2,50
		-	-104.940	3,07	683.775	321.812	0	0	0	0	0	2,50
	12,5%	+	31.316	10,28	683.775	321.804	0	0	0	0	0	2,50
		-	-93.416	3,44	683.775	321.804	0	0	0	0	0	2,50
	25,0%	+	34.684	9,28	683.775	321.763	0	0	0	0	0	2,50
		-	-83.604	3,85	683.775	321.763	0	0	0	0	0	2,50
	37,5%	+	38.300	8,40	683.775	321.609	0	0	0	0	0	2,50
		-	-74.116	4,34	683.775	321.609	0	0	0	0	0	2,50
	50,0%	+	40.180	8,00	683.775	321.498	0	0	0	0	0	2,50
		-	-63.008	5,10	683.775	321.498	0	0	0	0	0	2,50
	62,5%	+	44.936	7,15	683.775	321.364	0	0	0	0	0	2,50
		-	-54.896	5,85	683.775	321.364	0	0	0	0	0	2,50
	75,0%	+	50.000	6,42	683.775	321.205	0	0	0	0	0	2,50
		-	-47.200	6,81	683.775	321.205	0	0	0	0	0	2,50
	87,5%	+	55.313	5,81	683.775	321.205	0	0	0	0	0	2,50
		-	-39.841	8,06	683.775	321.205	0	0	0	0	0	2,50
	100%	+	60.444	5,31	683.775	320.927	0	0	0	0	0	2,50
		-	-32.368	9,91	683.775	320.927	0	0	0	0	0	2,50
Fondazione							**Trave 12-17**					
Trave 12-17	0%	+	9.434	35,67	691.393	336.504	37.727	0	0	0	0	2,50
		-	-78.158	4,31	691.393	336.504	37.727	0	0	0	0	2,50
	12,5%	+	7.914	42,58	691.393	336.986	37.727	0	0	0	0	2,50
		-	-59.930	5,62	691.393	336.986	37.727	0	0	0	0	2,50
	25,0%	+	9.935	33,95	691.393	337.269	37.727	0	0	0	0	2,50
		-	-45.675	7,38	691.393	337.269	37.727	0	0	0	0	2,50
	37,5%	+	12.304	27,43	691.393	337.502	37.727	0	0	0	0	2,50
		-	-32.224	10,47	691.393	337.502	37.727	0	0	0	0	2,50
	50,0%	+	10.983	30,77	691.393	337.911	37.727	0	0	0	0	2,50
		-	-15.423	21,91	691.393	337.911	37.727	0	0	0	0	2,50
	62,5%	+	15.139	22,33	691.393	338.086	37.727	0	0	0	0	2,50
		-	-4.237	79,79	691.393	338.086	37.727	0	0	0	0	2,50
	75,0%	+	19.953	16,95	691.393	338.242	37.727	0	0	0	0	2,50
		-	0	-	691.393	338.242	37.727	0	0	0	0	2,50
	87,5%	+	25.637	13,20	691.393	338.380	37.727	0	0	0	0	2,50
		-	0	-	691.393	338.380	37.727	0	0	0	0	2,50
	100,0 %	+	31.571	10,72	691.393	338.555	37.727	0	0	0	0	2,50
		-	0	-	691.393	338.555	37.727	0	0	0	0	2,50

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
+/- [+] = sollecitazione massima; [-] = sollecitazione minima.
$V_{Ed,Y}^{(+/-)}$ Valori massimo e minimo del taglio di progetto.
$CS^{(+/-)}$ Coefficienti di sicurezza relativi alle sollecitazioni "$V_{Ed,Y}^{(+)}$" e "$V_{Ed,Y}^{(-)}$" ([NS] = Non Significativo per valori di CS >= 100).
V_{Rcd} Resistenza a taglio compressione del calcestruzzo.
$V_{Rsd,s}$ Resistenza a taglio trazione delle staffe.
N_{Ed} Sforzo Normale medio nella sezione di verifica.
$V_{Rsd,p}$ Resistenza a taglio trazione dei ferri piegati.
V_{R1} Resistenza a taglio in assenza di armatura incrociata.
$V_{Rd,f}$ Resistenza a taglio dovuta al rinforzo FRP.
$V_{Rd,j}$ Contributo acciaio al Taglio ultimo dovuto all'incamiciatura in acciaio.
CtgΘ Cotangente dell'angolo Θ utilizzata nella verifica.

TRAVI (CA) - VERIFICHE A TORSIONE ALLO SLD (Fondazione)

Travi (CA) - Verifiche a torsione allo SLD

Id_{Tr}	$\%L_{LI}$	T_{Ed}	CS	T_{Rcd}	T_{Rsd}	T_{Rld}	CtgΘ	u_m	A	t	R_f
	[%]	[N·m]		[N·m]	[N·m]	[N·m]		[mm]	[mm^2]	[mm]	
Fondazione							**Trave 1-2-3-4**				
Trave 1-2	0%	20.849	2,16	117.707	65.621	45.081	2,50	1.520	134.400	120	NO
	25,0%	20.178	3,25	117.707	65.621	67.401	2,50	1.520	134.400	120	NO
	50,0%	19.571	3,35	117.707	65.621	72.801	2,50	1.520	134.400	120	NO
	75,0%	19.287	3,28	117.707	65.621	63.261	2,50	1.520	134.400	120	NO

Id_{Tr}	$\%L_{LI}$	T_{Ed}	CS	T_{Rcd}	T_{Rsd}	T_{Rld}	Ctgϴ	u_m	A	t	R_f
	[%]	[N·m]		[N·m]	[N·m]	[N·m]		[mm]	[mm²]	[mm]	
	100,0 %	19.058	3,44	117.707	65.621	136.242	2,50	1.520	134.400	120	NO
Trave 2-3	0%	5.176	12,68	117.707	65.621	143.803	2,50	1.520	134.400	120	NO
	25,0%	5.102	6,24	117.707	31.843	67.401	2,50	1.520	134.400	120	NO
	50,0%	5.057	6,30	117.707	31.843	72.801	2,50	1.520	134.400	120	NO
	75,0%	5.062	6,29	117.707	31.843	67.401	2,50	1.520	134.400	120	NO
	100%	5.081	12,91	117.707	65.621	145.243	2,50	1.520	134.400	120	NO
Trave 3-4	0%	15.792	4,16	117.707	65.621	134.082	2,50	1.520	134.400	120	NO
	25,0%	16.171	4,06	117.707	65.621	65.601	2,50	1.520	134.400	120	NO
	50,0%	16.587	3,96	117.707	65.621	67.401	2,50	1.520	134.400	120	NO
	75,0%	17.498	3,65	117.707	65.621	63.801	2,50	1.520	134.400	120	NO
	100%	18.084	2,53	117.707	65.621	45.801	2,50	1.520	134.400	120	NO
Fondazione							**Trave 9-10-11-12-13**				
Trave 9-10	0%	3.790	6,81	117.707	31.843	25.820	2,50	1.520	134.400	120	NO
	25,0%	3.746	8,50	117.707	31.843	60.201	2,50	1.520	134.400	120	NO
	50,0%	3.714	8,57	117.707	31.843	65.601	2,50	1.520	134.400	120	NO
	75,0%	3.705	8,59	117.707	31.843	40.581	2,50	1.520	134.400	120	NO
	100,0 %	3.707	8,59	117.707	31.843	95.022	2,50	1.520	134.400	120	NO
Trave 10-11	0%	1.443	22,07	117.707	31.843	75.581	2,50	1.520	134.400	120	NO
	25,0%	1.433	2,94	117.707	4.206	42.201	2,50	1.520	134.400	120	NO
	50,0%	1.432	2,94	117.707	4.206	63.801	2,50	1.520	134.400	120	NO
	75,0%	1.434	2,93	117.707	4.206	35.721	2,50	1.520	134.400	120	NO
	100,0 %	1.436	2,93	117.707	4.206	82.241	2,50	1.520	134.400	120	NO
Trave 11-12	0%	3.318	1,27	117.707	4.206	97.902	2,50	1.520	134.400	120	NO
	25,0%	3.321	1,27	117.707	4.206	52.281	2,50	1.520	134.400	120	NO
	50,0%	3.333	1,26	117.707	4.206	67.401	2,50	1.520	134.400	120	NO
	75,0%	3.364	1,25	117.707	4.206	52.461	2,50	1.520	134.400	120	NO
	100%	3.386	31,31	117.707	107.843	106.002	2,50	1.520	134.400	120	NO
Trave 12-13	0%	20.991	5,14	117.707	107.843	137.682	2,50	1.520	134.400	120	NO
	24,9%	21.023	3,03	117.707	107.843	63.801	2,50	1.520	134.400	120	NO
	50,0%	21.003	3,47	117.707	107.843	72.801	2,50	1.520	134.400	120	NO
	74,9%	21.015	3,38	117.707	107.843	71.001	2,50	1.520	134.400	120	NO
	100%	21.035	2,85	117.707	107.843	60.021	2,50	1.520	134.400	120	NO
Fondazione							**Trave 14-15-16-17**				
Trave 14-15	0%	6.286	5,07	117.707	31.843	67.401	2,50	1.520	134.400	120	NO
	25,0%	6.195	5,14	117.707	31.843	74.601	2,50	1.520	134.400	120	NO
	50,0%	6.133	5,19	117.707	31.843	72.801	2,50	1.520	134.400	120	NO
	75,0%	6.124	5,20	117.707	31.843	74.601	2,50	1.520	134.400	120	NO
	100,0 %	6.139	5,19	117.707	31.843	147.403	2,50	1.520	134.400	120	NO
Trave 15-16	0%	3.768	8,45	117.707	31.843	143.803	2,50	1.520	134.400	120	NO
	25,0%	3.734	8,53	117.707	31.843	71.001	2,50	1.520	134.400	120	NO
	50,0%	3.739	8,52	117.707	31.843	74.421	2,50	1.520	134.400	120	NO
	75,0%	3.768	8,45	117.707	31.843	67.401	2,50	1.520	134.400	120	NO
	100%	3.802	8,38	117.707	31.843	146.863	2,50	1.520	134.400	120	NO
Trave 16-17	0%	9.247	3,44	117.707	31.843	147.403	2,50	1.520	134.400	120	NO
	25,0%	9.200	3,46	117.707	31.843	72.801	2,50	1.520	134.400	120	NO
	50,0%	9.218	3,45	117.707	31.843	71.001	2,50	1.520	134.400	120	NO
	75,0%	9.320	3,42	117.707	31.843	71.001	2,50	1.520	134.400	120	NO
	100,0 %	9.401	3,39	117.707	31.843	67.401	2,50	1.520	134.400	120	NO
Fondazione							**Trave 1b-1-5-9-14**				
Trave 1b-1	0%	0	-	-	-	-	-	-	-	-	NO
	25,0%	0	-	-	-	-	-	-	-	-	NO
	50,0%	0	-	-	-	-	-	-	-	-	NO
	75,0%	0	-	-	-	-	-	-	-	-	NO
	100%	0	-	-	-	-	-	-	-	-	NO
Trave 1-5	0%	11.233	2,83	117.707	31.843	101.102	2,50	1.520	134.400	120	NO
	25,0%	11.007	2,89	117.707	31.843	85.181	2,50	1.520	134.400	120	NO
	50,0%	10.793	2,95	117.707	31.843	103.002	2,50	1.520	134.400	120	NO
	75,0%	10.685	1,87	117.707	31.843	20.000	2,50	1.520	134.400	120	NO
	100%	10.588	3,01	117.707	31.843	67.801	2,50	1.520	134.400	120	NO
Trave 5-9	0%	11.216	2,84	117.707	31.843	87.421	2,50	1.520	134.400	120	NO
	25,0%	11.163	1,67	117.707	31.843	18.620	2,50	1.520	134.400	120	NO
	50,0%	11.172	2,85	117.707	31.843	63.801	2,50	1.520	134.400	120	NO
	75,0%	11.222	2,84	117.707	31.843	38.601	2,50	1.520	134.400	120	NO
	100%	11.277	2,82	117.707	31.843	93.042	2,50	1.520	134.400	120	NO
Trave 9-14	0%	7.670	4,15	117.707	31.843	102.402	2,50	1.520	134.400	120	NO
	25,0%	7.305	4,36	117.707	31.843	58.401	2,50	1.520	134.400	120	NO
	50,0%	6.956	4,58	117.707	31.843	71.001	2,50	1.520	134.400	120	NO
	75,0%	6.775	4,70	117.707	31.843	63.801	2,50	1.520	134.400	120	NO
	100,0 %	6.605	4,82	117.707	31.843	58.401	2,50	1.520	134.400	120	NO
Fondazione							**Trave 2b-2-6-10-15**				
Trave 2b-2	0%	0	-	-	-	-	-	-	-	-	NO
	25,0%	0	-	-	-	-	-	-	-	-	NO
	50,0%	0	-	-	-	-	-	-	-	-	NO
	75,0%	0	-	-	-	-	-	-	-	-	NO
	100%	0	-	-	-	-	-	-	-	-	NO
Trave 2-6	0%	6.052	5,26	117.707	31.843	143.803	2,50	1.520	134.400	120	NO
	25,0%	5.932	5,37	117.707	31.843	72.801	2,50	1.520	134.400	120	NO

Travi (CA) - Verifiche a torsione allo SLD

Id_{Tr}	$\%L_{LI}$	T_{Ed}	CS	T_{Rcd}	T_{Rsd}	T_{Rld}	$Ctg\Theta$	u_m	A	t	R_f
	[%]	[N·m]		[N·m]	[N·m]	[N·m]		[mm]	[mm²]	[mm]	
	50,0%	5.817	5,47	117.707	31.843	71.001	2,50	1.520	134.400	120	NO
	75,0%	5.759	5,53	117.707	31.843	66.861	2,50	1.520	134.400	120	NO
	100,0 %	5.703	5,58	117.707	31.843	138.402	2,50	1.520	134.400	120	NO
Trave 6-10	0%	4.784	6,66	117.707	31.843	145.603	2,50	1.520	134.400	120	NO
	25,0%	4.746	6,71	117.707	31.843	67.401	2,50	1.520	134.400	120	NO
	50,0%	4.730	6,73	117.707	31.843	72.801	2,50	1.520	134.400	120	NO
	75,0%	4.742	6,72	117.707	31.843	63.801	2,50	1.520	134.400	120	NO
	100%	4.759	6,69	117.707	31.843	134.802	2,50	1.520	134.400	120	NO
Trave 10-15	0%	2.230	14,28	117.707	31.843	127.602	2,50	1.520	134.400	120	NO
	25,0%	2.146	1,96	117.707	4.206	67.041	2,50	1.520	134.400	120	NO
	50,0%	2.061	2,04	117.707	4.206	71.001	2,50	1.520	134.400	120	NO
	75,0%	2.012	2,09	117.707	4.206	69.201	2,50	1.520	134.400	120	NO
	100,0 %	1.960	2,15	117.707	4.206	63.621	2,50	1.520	134.400	120	NO
Fondazione							**Trave 3b-3-7-11-16**				
Trave 3b-3	0%	0	-	-	-	-	-	-	-	-	NO
	25,0%	0	-	-	-	-	-	-	-	-	NO
	50,0%	0	-	-	-	-	-	-	-	-	NO
	75,0%	0	-	-	-	-	-	-	-	-	NO
	100%	0	-	-	-	-	-	-	-	-	NO
Trave 3-7	0%	2.228	14,29	117.707	31.843	145.603	2,50	1.520	134.400	120	NO
	25,0%	2.194	14,51	117.707	31.843	71.001	2,50	1.520	134.400	120	NO
	50,0%	2.160	14,74	117.707	31.843	67.401	2,50	1.520	134.400	120	NO
	75,0%	2.144	14,85	117.707	31.843	61.821	2,50	1.520	134.400	120	NO
	100,0 %	2.127	14,97	117.707	31.843	132.462	2,50	1.520	134.400	120	NO
Trave 7-11	0%	2.537	12,55	117.707	31.843	134.442	2,50	1.520	134.400	120	NO
	25,0%	2.529	12,59	117.707	31.843	65.061	2,50	1.520	134.400	120	NO
	50,0%	2.530	12,59	117.707	31.843	71.001	2,50	1.520	134.400	120	NO
	75,0%	2.538	12,55	117.707	31.843	60.021	2,50	1.520	134.400	120	NO
	100%	2.545	12,51	117.707	31.843	131.022	2,50	1.520	134.400	120	NO
Trave 11-16	0%	1.770	17,99	117.707	31.843	119.142	2,50	1.520	134.400	120	NO
	25,0%	1.744	2,41	117.707	4.206	65.241	2,50	1.520	134.400	120	NO
	50,0%	1.731	2,43	117.707	4.206	71.001	2,50	1.520	134.400	120	NO
	75,0%	1.736	2,42	117.707	4.206	65.601	2,50	1.520	134.400	120	NO
	100,0 %	1.746	2,41	117.707	4.206	60.201	2,50	1.520	134.400	120	NO
Fondazione							**Trave 4b-4-8-13**				
Trave 4b-4	0%	0	-	-	-	-	-	-	-	-	NO
	25,0%	0	-	-	-	-	-	-	-	-	NO
	50,0%	0	-	-	-	-	-	-	-	-	NO
	75,0%	0	-	-	-	-	-	-	-	-	NO
	100%	0	-	-	-	-	-	-	-	-	NO
Trave 4-8	0%	11.539	2,76	117.707	31.843	112.802	2,50	1.520	134.400	120	NO
	25,0%	11.358	2,80	117.707	31.843	89.862	2,50	1.520	134.400	120	NO
	50,0%	11.201	2,84	117.707	31.843	104.802	2,50	1.520	134.400	120	NO
	75,0%	11.133	2,33	117.707	31.843	25.960	2,50	1.520	134.400	120	NO
	100%	11.088	2,87	117.707	31.843	82.021	2,50	1.520	134.400	120	NO
Trave 8-13	0%	10.815	2,94	117.707	31.843	97.862	2,50	1.520	134.400	120	NO
	25,0%	10.832	2,20	117.707	31.843	23.840	2,50	1.520	134.400	120	NO
	50,0%	10.923	2,92	117.707	31.843	63.801	2,50	1.520	134.400	120	NO
	75,0%	11.023	2,89	117.707	31.843	42.201	2,50	1.520	134.400	120	NO
	100%	11.119	1,72	117.707	31.843	19.160	2,50	1.520	134.400	120	NO
Fondazione							**Trave 12-17**				
Trave 12-17	0%	6.949	2,86	117.707	31.843	19.880	2,50	1.520	134.400	120	NO
	25,0%	6.684	4,76	117.707	31.843	58.401	2,50	1.520	134.400	120	NO
	50,0%	6.464	4,93	117.707	31.843	71.001	2,50	1.520	134.400	120	NO
	75,0%	6.350	5,01	117.707	31.843	63.801	2,50	1.520	134.400	120	NO
	100,0 %	6.243	5,10	117.707	31.843	59.661	2,50	1.520	134.400	120	NO

LEGENDA:

Id_{Tr} Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.

$\%L_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.

T_{Ed} Momento torcente di progetto.

CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).

T_{Rcd} Momento resistente del calcestruzzo.

T_{Rsd} Momento resistente delle staffe.

T_{Rld} Momento resistente dell'armatura longitudinale.

$Ctg\Theta$ Cotangente dell'angolo Θ utilizzata nella verifica.

u_m Perimetro medio del nucleo resistente.

A Area racchiusa dalla fibra media del profilo periferico (u_m).

t Spessore della sezione cava.

R_f [SI] = elemento con presenza di rinforzo; [NO] = elemento senza rinforzo.

TRAVI (CA) - VERIFICA COMPOSTA TAGLIO/TORSIONE ALLO SLD (Fondazione)

Travi (CA) - Verifica composta taglio e torsione SLD

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	$Ctg\Theta$	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
Fondazione					**Trave 1-2-3-4**			

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	Ctgϴ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
Trave 1-2	0%	20849	+	12.703	690.133	117.707	2,50	5,11
			-	-62.025	690.133	117.707	2,50	3,75
	12,5%	20429	+	10.362	690.133	117.707	2,50	5,30
			-	-45.240	690.133	117.707	2,50	4,18
	25,0%	20178	+	11.872	690.133	117.707	2,50	5,30
			-	-32.588	690.133	117.707	2,50	4,57
	37,5%	19952	+	14.001	690.133	117.707	2,50	5,27
			-	-20.783	690.133	117.707	2,50	5,01
	50,0%	19571	+	13.417	690.133	117.707	2,50	5,38
			-	-6.385	690.133	117.707	2,50	5,70
	62,5%	19417	+	17.597	690.133	117.707	2,50	5,25
			-	0	690.133	117.707	2,50	VNR
	75,0%	19287	+	22.430	690.133	117.707	2,50	5,09
			-	0	690.133	117.707	2,50	VNR
	87,5%	19179	+	27.870	690.133	117.707	2,50	4,92
			-	0	690.133	117.707	2,50	VNR
	100,0%	19058	+	33.337	690.133	117.707	2,50	4,76
			-	0	690.133	117.707	2,50	VNR
Trave 2-3	0%	5176	+	0	683.775	117.707	2,50	VNR
			-	-26.842	683.775	117.707	2,50	12,02
	12,5%	5127	+	0	683.775	117.707	2,50	VNR
			-	-19.282	683.775	117.707	2,50	13,94
	25,0%	5102	+	0	683.775	117.707	2,50	VNR
			-	-11.726	683.775	117.707	2,50	16,53
	37,5%	5081	+	1.239	683.775	117.707	2,50	22,23
			-	-4.235	683.775	117.707	2,50	20,26
	50,0%	5057	+	8.775	683.775	117.707	2,50	17,92
			-	0	683.775	117.707	2,50	VNR
	62,5%	5054	+	16.436	683.775	117.707	2,50	14,93
			-	0	683.775	117.707	2,50	VNR
	75,0%	5062	+	24.425	683.775	117.707	2,50	12,70
			-	0	683.775	117.707	2,50	VNR
	87,5%	5074	+	32.643	683.775	117.707	2,50	11,01
			-	0	683.775	117.707	2,50	VNR
	100%	5081	+	40.915	683.775	117.707	2,50	9,71
			-	0	683.775	117.707	2,50	VNR
Trave 3-4	0%	15792	+	0	690.563	117.707	2,50	VNR
			-	-47.430	690.563	117.707	2,50	4,93
	12,5%	16018	+	0	690.563	117.707	2,50	VNR
			-	-36.209	690.563	117.707	2,50	5,30
	25,0%	16171	+	0	690.563	117.707	2,50	VNR
			-	-25.290	690.563	117.707	2,50	5,75
	37,5%	16360	+	0	690.563	117.707	2,50	VNR
			-	-16.307	690.563	117.707	2,50	6,15
	50,0%	16587	+	0	690.563	117.707	2,50	VNR
			-	-10.624	690.563	117.707	2,50	6,40
	62,5%	17155	+	17.580	690.563	117.707	2,50	5,84
			-	-12.016	690.563	117.707	2,50	6,13
	75,0%	17498	+	32.711	690.563	117.707	2,50	5,10
			-	-10.545	690.563	117.707	2,50	6,10
	87,5%	17881	+	49.358	690.563	117.707	2,50	4,48
			-	-10.104	690.563	117.707	2,50	6,00
	100%	18084	+	62.668	690.563	117.707	2,50	4,09
			-	-5.502	690.563	117.707	2,50	6,19
Fondazione					**Trave 9-10-11-12-13**			
Trave 9-10	0%	3790	+	10.805	692.430	117.707	2,50	20,92
			-	-78.203	692.430	117.707	2,50	6,89
	12,5%	3762	+	12.220	692.430	117.707	2,50	20,16
			-	-61.270	692.430	117.707	2,50	8,30
	25,0%	3746	+	16.943	692.430	117.707	2,50	17,76
			-	-48.111	692.430	117.707	2,50	9,87
	37,5%	3733	+	22.380	692.430	117.707	2,50	15,62
			-	-36.092	692.430	117.707	2,50	11,93
	50,0%	3714	+	27.276	692.430	117.707	2,50	14,10
			-	-23.840	692.430	117.707	2,50	15,16
	62,5%	3708	+	36.075	692.430	117.707	2,50	11,96
			-	-15.645	692.430	117.707	2,50	18,49
	75,0%	3705	+	46.342	692.430	117.707	2,50	10,16
			-	-8.928	692.430	117.707	2,50	22,54
	87,5%	3705	+	57.136	692.430	117.707	2,50	8,77
			-	-2.654	692.430	117.707	2,50	28,32
	100,0%	3707	+	66.927	692.430	117.707	2,50	7,80
			-	0	692.430	117.707	2,50	VNR
Trave 10-11	0%	1443	+	17.189	684.443	117.707	2,50	26,76
			-	-73.367	684.443	117.707	2,50	8,37
	12,5%	1437	+	22.099	684.443	117.707	2,50	22,47
			-	-61.075	684.443	117.707	2,50	9,86
	25,0%	1433	+	28.584	684.443	117.707	2,50	18,54
			-	-50.418	684.443	117.707	2,50	11,65
	37,5%	1433	+	35.625	684.443	117.707	2,50	15,57
			-	-40.307	684.443	117.707	2,50	14,07

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	Ctgϴ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
	50,0%	1432	+	44.098	684.443	117.707	2,50	13,06
			-	-31.494	684.443	117.707	2,50	17,19
	62,5%	1433	+	54.424	684.443	117.707	2,50	10,91
			-	-24.266	684.443	117.707	2,50	21,00
	75,0%	1434	+	65.766	684.443	117.707	2,50	9,24
			-	-17.682	684.443	117.707	2,50	26,30
	87,5%	1435	+	77.885	684.443	117.707	2,50	7,94
			-	-11.477	684.443	117.707	2,50	34,53
	100,0%	1436	+	88.762	684.443	117.707	2,50	7,05
			-	-3.728	684.443	117.707	2,50	56,67
Trave 11-12	0%	3318	+	0	688.563	117.707	2,50	VNR
			-	-82.828	688.563	117.707	2,50	6,73
	12,5%	3318	+	0	688.563	117.707	2,50	VNR
			-	-65.002	688.563	117.707	2,50	8,16
	25,0%	3321	+	0	688.563	117.707	2,50	VNR
			-	-50.326	688.563	117.707	2,50	9,87
	37,5%	3326	+	0	688.563	117.707	2,50	VNR
			-	-37.320	688.563	117.707	2,50	12,13
	50,0%	3333	+	6.609	688.563	117.707	2,50	26,38
			-	-26.555	688.563	117.707	2,50	14,95
	62,5%	3353	+	22.029	688.563	117.707	2,50	16,53
			-	-22.747	688.563	117.707	2,50	16,25
	75,0%	3364	+	37.010	688.563	117.707	2,50	12,15
			-	-18.954	688.563	117.707	2,50	17,82
	87,5%	3379	+	53.298	688.563	117.707	2,50	9,42
			-	-16.398	688.563	117.707	2,50	19,04
	100%	3386	+	66.659	688.563	117.707	2,50	7,96
			-	-10.469	688.563	117.707	2,50	22,74
Trave 12-13	0%	20991	+	46.930	684.732	117.707	2,50	4,05
			-	-61.232	684.732	117.707	2,50	3,73
	12,5%	21011	+	48.610	684.732	117.707	2,50	4,01
			-	-58.116	684.732	117.707	2,50	3,80
	24,9%	21023	+	51.369	684.732	117.707	2,50	3,94
			-	-56.061	684.732	117.707	2,50	3,84
	37,5%	21031	+	54.038	684.732	117.707	2,50	3,88
			-	-53.898	684.732	117.707	2,50	3,89
	50,0%	21003	+	55.545	684.732	117.707	2,50	3,85
			-	-50.553	684.732	117.707	2,50	3,96
	62,5%	21009	+	58.186	684.732	117.707	2,50	3,80
			-	-48.326	684.732	117.707	2,50	4,02
	74,9%	21015	+	60.851	684.732	117.707	2,50	3,74
			-	-46.105	684.732	117.707	2,50	4,07
	87,5%	21026	+	63.664	684.732	117.707	2,50	3,68
			-	-44.012	684.732	117.707	2,50	4,12
	100%	21035	+	66.386	684.732	117.707	2,50	3,63
			-	-41.810	684.732	117.707	2,50	4,17
Fondazione					**Trave 14-15-16-17**			
Trave 14-15	0%	6286	+	0	691.344	117.707	2,50	VNR
			-	-31.174	691.344	117.707	2,50	10,15
	12,5%	6227	+	0	691.344	117.707	2,50	VNR
			-	-22.422	691.344	117.707	2,50	11,72
	25,0%	6195	+	0	691.344	117.707	2,50	VNR
			-	-14.811	691.344	117.707	2,50	13,50
	37,5%	6169	+	0	691.344	117.707	2,50	VNR
			-	-7.660	691.344	117.707	2,50	15,75
	50,0%	6133	+	1.178	691.344	117.707	2,50	18,58
			-	-856	691.344	117.707	2,50	18,75
	62,5%	6124	+	7.413	691.344	117.707	2,50	15,94
			-	0	691.344	117.707	2,50	VNR
	75,0%	6124	+	13.586	691.344	117.707	2,50	13,95
			-	0	691.344	117.707	2,50	VNR
	87,5%	6133	+	19.720	691.344	117.707	2,50	12,40
			-	0	691.344	117.707	2,50	VNR
	100,0%	6139	+	25.637	691.344	117.707	2,50	11,21
			-	0	691.344	117.707	2,50	VNR
Trave 15-16	0%	3768	+	0	689.340	117.707	2,50	VNR
			-	-28.392	689.340	117.707	2,50	13,66
	12,5%	3745	+	0	689.340	117.707	2,50	VNR
			-	-22.020	689.340	117.707	2,50	15,68
	25,0%	3734	+	0	689.340	117.707	2,50	VNR
			-	-15.902	689.340	117.707	2,50	18,25
	37,5%	3729	+	1.453	689.340	117.707	2,50	29,60
			-	-9.925	689.340	117.707	2,50	21,70
	50,0%	3739	+	7.109	689.340	117.707	2,50	23,77
			-	-4.123	689.340	117.707	2,50	26,49
	62,5%	3751	+	13.103	689.340	117.707	2,50	19,66
			-	0	689.340	117.707	2,50	VNR
	75,0%	3768	+	19.303	689.340	117.707	2,50	16,66
			-	0	689.340	117.707	2,50	VNR
	87,5%	3790	+	25.658	689.340	117.707	2,50	14,41
			-	0	689.340	117.707	2,50	VNR

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	Ctgϴ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
	100%	3802	+	31.932	689.340	117.707	2,50	12,72
			-	0	689.340	117.707	2,50	VNR
Trave 16-17	0%	9247	+	0	692.975	117.707	2,50	VNR
			-	-32.505	692.975	117.707	2,50	7,97
	12,5%	9212	+	0	692.975	117.707	2,50	VNR
			-	-24.742	692.975	117.707	2,50	8,77
	25,0%	9200	+	0	692.975	117.707	2,50	VNR
			-	-17.265	692.975	117.707	2,50	9,70
	37,5%	9203	+	0	692.975	117.707	2,50	VNR
			-	-9.864	692.975	117.707	2,50	10,82
	50,0%	9218	+	0	692.975	117.707	2,50	VNR
			-	-2.413	692.975	117.707	2,50	12,23
	62,5%	9277	+	8.071	692.975	117.707	2,50	11,05
			-	0	692.975	117.707	2,50	VNR
	75,0%	9320	+	16.965	692.975	117.707	2,50	9,65
			-	0	692.975	117.707	2,50	VNR
	87,5%	9373	+	26.664	692.975	117.707	2,50	8,47
			-	0	692.975	117.707	2,50	VNR
	100,0%	9401	+	36.221	692.975	117.707	2,50	7,57
			-	0	692.975	117.707	2,50	VNR
Fondazione					**Trave 1b-1-5-9-14**			
Trave 1b-1	0%	0	+	276	683.775	-	-	VNR
			-	-276	683.775	-	-	VNR
	12,5%	0	+	22.527	683.775	-	-	VNR
			-	-16.571	683.775	-	-	VNR
	25,0%	0	+	29.507	683.775	-	-	VNR
			-	-17.471	683.775	-	-	VNR
	37,5%	0	+	36.375	683.775	-	-	VNR
			-	-18.139	683.775	-	-	VNR
	50,0%	0	+	46.542	683.775	-	-	VNR
			-	-21.986	683.775	-	-	VNR
	62,5%	0	+	52.993	683.775	-	-	VNR
			-	-21.997	683.775	-	-	VNR
	75,0%	0	+	49.625	683.775	-	-	VNR
			-	-12.075	683.775	-	-	VNR
	87,5%	0	+	56.372	683.775	-	-	VNR
			-	-12.156	683.775	-	-	VNR
	100%	0	+	64.555	683.775	-	-	VNR
			-	-13.573	683.775	-	-	VNR
Trave 1-5	0%	11233	+	74.387	683.775	117.707	2,50	4,90
			-	-108.185	683.775	117.707	2,50	3,94
	12,5%	11093	+	73.186	683.775	117.707	2,50	4,97
			-	-95.594	683.775	117.707	2,50	4,27
	25,0%	11007	+	75.438	683.775	117.707	2,50	4,91
			-	-86.152	683.775	117.707	2,50	4,56
	37,5%	10928	+	78.802	683.775	117.707	2,50	4,81
			-	-77.518	683.775	117.707	2,50	4,85
	50,0%	10793	+	83.130	683.775	117.707	2,50	4,69
			-	-69.530	683.775	117.707	2,50	5,17
	62,5%	10735	+	90.773	683.775	117.707	2,50	4,47
			-	-64.531	683.775	117.707	2,50	5,39
	75,0%	10685	+	102.225	683.775	117.707	2,50	4,16
			-	-63.017	683.775	117.707	2,50	5,47
	87,5%	10641	+	106.037	683.775	117.707	2,50	4,07
			-	-53.557	683.775	117.707	2,50	5,93
	100%	10588	+	117.186	683.775	117.707	2,50	3,83
			-	-51.178	683.775	117.707	2,50	6,07
Trave 5-9	0%	11216	+	46.671	683.775	117.707	2,50	6,11
			-	-95.811	683.775	117.707	2,50	4,25
	12,5%	11180	+	48.932	683.775	117.707	2,50	6,00
			-	-83.840	683.775	117.707	2,50	4,60
	25,0%	11163	+	52.987	683.775	117.707	2,50	5,80
			-	-73.527	683.775	117.707	2,50	4,94
	37,5%	11158	+	57.392	683.775	117.707	2,50	5,60
			-	-63.452	683.775	117.707	2,50	5,33
	50,0%	11172	+	60.228	683.775	117.707	2,50	5,46
			-	-51.706	683.775	117.707	2,50	5,86
	62,5%	11194	+	65.960	683.775	117.707	2,50	5,22
			-	-42.754	683.775	117.707	2,50	6,34
	75,0%	11222	+	72.106	683.775	117.707	2,50	4,98
			-	-34.126	683.775	117.707	2,50	6,88
	87,5%	11222	+	78.594	683.775	117.707	2,50	4,76
			-	-25.776	683.775	117.707	2,50	7,52
	100%	11277	+	85.003	683.775	117.707	2,50	4,54
			-	-17.351	683.775	117.707	2,50	8,25
Trave 9-14	0%	7670	+	0	683.775	117.707	2,50	VNR
			-	-90.013	683.775	117.707	2,50	5,08
	12,5%	7443	+	0	683.775	117.707	2,50	VNR
			-	-70.462	683.775	117.707	2,50	6,01
	25,0%	7305	+	0	683.775	117.707	2,50	VNR
			-	-54.840	683.775	117.707	2,50	7,03

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	$Ctg\Theta$	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
	37,5%	7179	+	2.358	683.775	117.707	2,50	15,52
			-	-40.250	683.775	117.707	2,50	8,34
	50,0%	6956	+	2.539	683.775	117.707	2,50	15,92
			-	-22.797	683.775	117.707	2,50	10,82
	62,5%	6860	+	7.558	683.775	117.707	2,50	14,42
			-	-11.056	683.775	117.707	2,50	13,43
	75,0%	6775	+	12.827	683.775	117.707	2,50	13,10
			-	-223	683.775	117.707	2,50	17,28
	87,5%	6700	+	18.395	683.775	117.707	2,50	11,93
			-	0	683.775	117.707	2,50	VNR
	100,0%	6605	+	23.700	683.775	117.707	2,50	11,02
			-	0	683.775	117.707	2,50	VNR
Fondazione					**Trave 2b-2-6-10-15**			
Trave 2b-2	0%	0	+	89	683.775	-	-	VNR
			-	-89	683.775	-	-	VNR
	12,5%	0	+	5.900	683.775	-	-	VNR
			-	-172	683.775	-	-	VNR
	25,0%	0	+	9.413	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	37,5%	0	+	12.951	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	50,0%	0	+	16.982	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	62,5%	0	+	20.533	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	75,0%	0	+	22.833	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	87,5%	0	+	26.548	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	100%	0	+	30.480	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
Trave 2-6	0%	6052	+	0	683.775	117.707	2,50	VNR
			-	-11.977	683.775	117.707	2,50	14,51
	12,5%	5977	+	2.496	683.775	117.707	2,50	18,37
			-	-6.956	683.775	117.707	2,50	16,41
	25,0%	5932	+	9.110	683.775	117.707	2,50	15,69
			-	-2.034	683.775	117.707	2,50	18,74
	37,5%	5890	+	15.567	683.775	117.707	2,50	13,74
			-	0	683.775	117.707	2,50	VNR
	50,0%	5817	+	22.288	683.775	117.707	2,50	12,19
			-	0	683.775	117.707	2,50	VNR
	62,5%	5786	+	29.277	683.775	117.707	2,50	10,87
			-	0	683.775	117.707	2,50	VNR
	75,0%	5759	+	37.420	683.775	117.707	2,50	9,65
			-	0	683.775	117.707	2,50	VNR
	87,5%	5734	+	43.339	683.775	117.707	2,50	8,92
			-	0	683.775	117.707	2,50	VNR
	100,0%	5703	+	51.601	683.775	117.707	2,50	8,07
			-	0	683.775	117.707	2,50	VNR
Trave 6-10	0%	4784	+	0	683.775	117.707	2,50	VNR
			-	-39.715	683.775	117.707	2,50	10,13
	12,5%	4759	+	0	683.775	117.707	2,50	VNR
			-	-34.554	683.775	117.707	2,50	10,99
	25,0%	4746	+	0	683.775	117.707	2,50	VNR
			-	-28.256	683.775	117.707	2,50	12,25
	37,5%	4737	+	0	683.775	117.707	2,50	VNR
			-	-23.536	683.775	117.707	2,50	13,39
	50,0%	4730	+	5.072	683.775	117.707	2,50	21,01
			-	-18.086	683.775	117.707	2,50	15,01
	62,5%	4734	+	14.010	683.775	117.707	2,50	16,47
			-	-12.802	683.775	117.707	2,50	16,97
	75,0%	4742	+	22.967	683.775	117.707	2,50	13,54
			-	-7.669	683.775	117.707	2,50	19,42
	87,5%	4742	+	29.941	683.775	117.707	2,50	11,89
			-	-695	683.775	117.707	2,50	24,21
	100%	4759	+	39.798	683.775	117.707	2,50	10,14
			-	0	683.775	117.707	2,50	VNR
Trave 10-15	0%	2230	+	0	683.954	117.707	2,50	VNR
			-	-63.445	683.954	117.707	2,50	8,95
	12,5%	2178	+	0	683.954	117.707	2,50	VNR
			-	-49.975	683.954	117.707	2,50	10,92
	25,0%	2146	+	0	683.954	117.707	2,50	VNR
			-	-38.542	683.954	117.707	2,50	13,41
	37,5%	2116	+	0	683.954	117.707	2,50	VNR
			-	-27.942	683.954	117.707	2,50	17,00
	50,0%	2061	+	0	683.954	117.707	2,50	VNR
			-	-16.681	683.954	117.707	2,50	23,87
	62,5%	2036	+	5.258	683.954	117.707	2,50	40,02
			-	-8.166	683.954	117.707	2,50	34,20
	75,0%	2012	+	11.288	683.954	117.707	2,50	29,76
			-	-368	683.954	117.707	2,50	56,72

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	Ctgϴ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
	87,5%	1990	+	17.292	683.954	117.707	2,50	23,70
			-	0	683.954	117.707	2,50	VNR
	100,0%	1960	+	23.136	683.954	117.707	2,50	19,81
			-	0	683.954	117.707	2,50	VNR
Fondazione					**Trave 3b-3-7-11-16**			
Trave 3b-3	0%	0	+	23	683.775	-	-	VNR
			-	-23	683.775	-	-	VNR
	12,5%	0	+	4.055	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	25,0%	0	+	7.332	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	37,5%	0	+	10.660	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	50,0%	0	+	14.109	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	62,5%	0	+	17.517	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	75,0%	0	+	20.844	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	87,5%	0	+	24.424	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
	100%	0	+	28.067	683.775	-	-	VNR
			-	0	683.775	-	-	VNR
Trave 3-7	0%	2228	+	4.469	683.775	117.707	2,50	39,27
			-	-6.277	683.775	117.707	2,50	35,58
	12,5%	2206	+	10.985	683.775	117.707	2,50	28,73
			-	-619	683.775	117.707	2,50	50,90
	25,0%	2194	+	18.128	683.775	117.707	2,50	22,15
			-	0	683.775	117.707	2,50	VNR
	37,5%	2181	+	25.283	683.775	117.707	2,50	18,02
			-	0	683.775	117.707	2,50	VNR
	50,0%	2160	+	32.828	683.775	117.707	2,50	15,07
			-	0	683.775	117.707	2,50	VNR
	62,5%	2151	+	40.772	683.775	117.707	2,50	12,84
			-	0	683.775	117.707	2,50	VNR
	75,0%	2144	+	50.056	683.775	117.707	2,50	10,94
			-	0	683.775	117.707	2,50	VNR
	87,5%	2136	+	56.798	683.775	117.707	2,50	9,88
			-	0	683.775	117.707	2,50	VNR
	100,0%	2127	+	66.132	683.775	117.707	2,50	8,71
			-	0	683.775	117.707	2,50	VNR
Trave 7-11	0%	2537	+	0	683.775	117.707	2,50	VNR
			-	-52.417	683.775	117.707	2,50	10,18
	12,5%	2531	+	0	683.775	117.707	2,50	VNR
			-	-47.205	683.775	117.707	2,50	11,05
	25,0%	2529	+	0	683.775	117.707	2,50	VNR
			-	-40.396	683.775	117.707	2,50	12,41
	37,5%	2529	+	0	683.775	117.707	2,50	VNR
			-	-35.522	683.775	117.707	2,50	13,62
	50,0%	2530	+	948	683.775	117.707	2,50	43,71
			-	-29.462	683.775	117.707	2,50	15,48
	62,5%	2533	+	11.120	683.775	117.707	2,50	26,47
			-	-23.818	683.775	117.707	2,50	17,75
	75,0%	2538	+	21.313	683.775	117.707	2,50	18,96
			-	-18.467	683.775	117.707	2,50	20,59
	87,5%	2538	+	28.951	683.775	117.707	2,50	15,65
			-	-10.829	683.775	117.707	2,50	26,74
	100%	2545	+	40.219	683.775	117.707	2,50	12,43
			-	-7.091	683.775	117.707	2,50	31,26
Trave 11-16	0%	1770	+	0	685.412	117.707	2,50	VNR
			-	-72.517	685.412	117.707	2,50	8,28
	12,5%	1753	+	0	685.412	117.707	2,50	VNR
			-	-57.132	685.412	117.707	2,50	10,18
	25,0%	1744	+	0	685.412	117.707	2,50	VNR
			-	-44.307	685.412	117.707	2,50	12,59
	37,5%	1737	+	0	685.412	117.707	2,50	VNR
			-	-32.492	685.412	117.707	2,50	16,09
	50,0%	1731	+	0	685.412	117.707	2,50	VNR
			-	-19.729	685.412	117.707	2,50	22,99
	62,5%	1732	+	5.437	685.412	117.707	2,50	44,16
			-	-10.461	685.412	117.707	2,50	33,36
	75,0%	1736	+	11.409	685.412	117.707	2,50	31,85
			-	-2.085	685.412	117.707	2,50	56,21
	87,5%	1743	+	17.347	685.412	117.707	2,50	24,93
			-	0	685.412	117.707	2,50	VNR
	100,0%	1746	+	23.040	685.412	117.707	2,50	20,64
			-	0	685.412	117.707	2,50	VNR
Fondazione					**Trave 4b-4-8-13**			
Trave 4b-4	0%	0	+	287	683.775	-	-	VNR
			-	-287	683.775	-	-	VNR
	12,5%	0	+	21.482	683.775	-	-	VNR

Id_{Tr}	$\%L_{LI}$	T_{Ed}	+/-	$V_{Ed,2}$	V_{Rcd}	T_{Rcd}	CtgΘ	$CS_{v,T}$
	[%]	[N·m]		[N]	[N]	[N·m]		
			-	-16.136	683.775	-	-	VNR
	25,0%	0	+	27.995	683.775	-	-	VNR
			-	-17.181	683.775	-	-	VNR
	37,5%	0	+	34.394	683.775	-	-	VNR
			-	-17.994	683.775	-	-	VNR
	50,0%	0	+	43.930	683.775	-	-	VNR
			-	-21.826	683.775	-	-	VNR
	62,5%	0	+	49.909	683.775	-	-	VNR
			-	-21.985	683.775	-	-	VNR
	75,0%	0	+	46.556	683.775	-	-	VNR
			-	-12.696	683.775	-	-	VNR
	87,5%	0	+	52.830	683.775	-	-	VNR
			-	-12.926	683.775	-	-	VNR
	100%	0	+	60.461	683.775	-	-	VNR
			-	-14.411	683.775	-	-	VNR
Trave 4-8	0%	11539	+	72.857	683.775	117.707	2,50	4,89
			-	-93.777	683.775	117.707	2,50	4,25
	12,5%	11425	+	71.497	683.775	117.707	2,50	4,96
			-	-82.091	683.775	117.707	2,50	4,61
	25,0%	11358	+	73.443	683.775	117.707	2,50	4,90
			-	-73.387	683.775	117.707	2,50	4,91
	37,5%	11299	+	76.476	683.775	117.707	2,50	4,81
			-	-65.432	683.775	117.707	2,50	5,22
	50,0%	11201	+	80.560	683.775	117.707	2,50	4,70
			-	-58.180	683.775	117.707	2,50	5,55
	62,5%	11164	+	87.728	683.775	117.707	2,50	4,48
			-	-53.658	683.775	117.707	2,50	5,77
	75,0%	11133	+	98.648	683.775	117.707	2,50	4,19
			-	-52.546	683.775	117.707	2,50	5,83
	87,5%	11110	+	102.032	683.775	117.707	2,50	4,10
			-	-43.594	683.775	117.707	2,50	6,32
	100%	11088	+	112.642	683.775	117.707	2,50	3,86
			-	-41.634	683.775	117.707	2,50	6,45
Trave 8-13	0%	10815	+	29.666	683.775	117.707	2,50	7,39
			-	-104.940	683.775	117.707	2,50	4,08
	12,5%	10818	+	31.316	683.775	117.707	2,50	7,26
			-	-93.416	683.775	117.707	2,50	4,38
	25,0%	10832	+	34.684	683.775	117.707	2,50	7,01
			-	-83.604	683.775	117.707	2,50	4,67
	37,5%	10885	+	38.300	683.775	117.707	2,50	6,73
			-	-74.116	683.775	117.707	2,50	4,98
	50,0%	10923	+	40.180	683.775	117.707	2,50	6,60
			-	-63.008	683.775	117.707	2,50	5,41
	62,5%	10970	+	44.936	683.775	117.707	2,50	6,29
			-	-54.896	683.775	117.707	2,50	5,76
	75,0%	11023	+	50.000	683.775	117.707	2,50	6,00
			-	-47.200	683.775	117.707	2,50	6,15
	87,5%	11023	+	55.313	683.775	117.707	2,50	5,73
			-	-39.841	683.775	117.707	2,50	6,58
	100%	11119	+	60.444	683.775	117.707	2,50	5,47
			-	-32.368	683.775	117.707	2,50	7,05
Fondazione					**Trave 12-17**			
Trave 12-17	0%	6949	+	9.434	691.393	117.707	2,50	13,76
			-	-78.158	691.393	117.707	2,50	5,81
	12,5%	6783	+	7.914	691.393	117.707	2,50	14,48
			-	-59.930	691.393	117.707	2,50	6,93
	25,0%	6684	+	9.935	691.393	117.707	2,50	14,05
			-	-45.675	691.393	117.707	2,50	8,14
	37,5%	6603	+	12.304	691.393	117.707	2,50	13,53
			-	-32.224	691.393	117.707	2,50	9,74
	50,0%	6464	+	10.983	691.393	117.707	2,50	14,12
			-	-15.423	691.393	117.707	2,50	12,95
	62,5%	6404	+	15.139	691.393	117.707	2,50	13,11
			-	-4.237	691.393	117.707	2,50	16,52
	75,0%	6350	+	19.953	691.393	117.707	2,50	12,08
			-	0	691.393	117.707	2,50	VNR
	87,5%	6303	+	25.637	691.393	117.707	2,50	11,03
			-	0	691.393	117.707	2,50	VNR
	100,0%	6243	+	31.571	691.393	117.707	2,50	10,13
			-	0	691.393	117.707	2,50	VNR

LEGENDA:

Id_{Tr}	Identificativo della trave. L'eventuale lettera tra parentesi distingue i diversi tratti della travata al livello considerato.
$\%L_{LI}$	Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
T_{Ed}	Momento torcente di progetto.
+/-	[+] = sollecitazione massima; [-] = sollecitazione minima.
$V_{Ed,2}$	Taglio di progetto in direzione 2.
V_{Rcd}	Resistenza a taglio compressione del calcestruzzo.
T_{Rcd}	Momento resistente del calcestruzzo.
CtgΘ	Cotangente dell'angolo Θ utilizzata nella verifica.
$CS_{v,T}$	Coefficiente di sicurezza per taglio e torsione ([NS] = Non Significativo per valori di CS >= 100; [VNR]= Verifica Non Richiesta).

Travi - VERIFICHE DELLE TENSIONI DI ESERCIZIO (Fondazione)

%LLI		Compressione calcestruzzo Compressione calcestruzzo rinforzo								Trazione acciaio Trazione acciaio/FRP rinforzo							
Tp_{rnf}	Id_{Cmb}	σ_{cc}	$\sigma_{cd,amm}$	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Verificato		Id_{Cmb}	σ_{at}	$\sigma_{td,amm}$	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Verificato
[%]		[N/mm²]	[N/mm²]	[N]	[N·m]	[N·m]					[N/mm²]	[N/mm²]	[N]	[N·m]	[N·m]		
Fondazione										**Trave 1-2-3-4**							
Trave: Trave 1-2																	
0%	RAR	0,525	14,94	0	-10.544	0	28.44	SI		RAR	5,791	360,00	0	-10.544	0	62.16	SI
	QPR	0,372	11,21	0	-7.460	0	30.15	SI									
25,0%	RAR	0,470	14,94	0	9.436	0	31.78	SI		RAR	5,183	360,00	0	9.436	0	69.46	SI
	QPR	0,393	11,21	0	7.882	0	28.53	SI									
50,0%	RAR	0,652	14,94	0	13.083	0	22.92	SI		RAR	7,186	360,00	0	13.083	0	50.09	SI
	QPR	0,542	11,21	0	10.870	0	20.69	SI									
75,0%	RAR	0,187	14,94	0	3.745	0	80.07	SI		RAR	2,057	360,00	0	3.745	0	NS	SI
	QPR	0,085	11,21	0	1.704	0	NS	SI									
100,0%	RAR	0,978	14,94	0	-23.606	0	15.28	SI		RAR	10,778	360,00	0	-23.606	0	33.40	SI
	QPR	0,819	11,21	0	-19.771	0	13.68	SI									
Trave: Trave 2-3																	
0%	RAR	0,387	14,94	0	-9.352	0	38.57	SI		RAR	4,270	360,00	0	-9.352	0	84.30	SI
	QPR	0,327	11,21	0	-7.904	0	34.22	SI									
25,0%	RAR	0,478	14,94	0	9.603	0	31.22	SI		RAR	5,274	360,00	0	9.603	0	68.25	SI
	QPR	0,377	11,21	0	7.569	0	29.71	SI									
50,0%	RAR	0,536	14,94	0	10.766	0	27.85	SI		RAR	5,913	360,00	0	10.766	0	60.87	SI
	QPR	0,447	11,21	0	8.963	0	25.09	SI									
75,0%	RAR	0,240	14,94	0	-4.821	0	62.20	SI		RAR	2,648	360,00	0	-4.821	0	NS	SI
	QPR	0,199	11,21	0	-3.995	0	56.30	SI									
100%	RAR	1,588	14,94	0	-38.341	0	9.40	SI		RAR	17,506	360,00	0	-38.341	0	20.56	SI
	QPR	1,322	11,21	0	-31.916	0	8.47	SI									
Trave: Trave 3-4																	
0%	RAR	2,832	14,94	0	-52.565	0	5.27	SI		RAR	69,747	360,00	0	-52.565	0	5.16	SI
	QPR	1,816	11,21	0	-43.846	0	6.17	SI									
25,0%	RAR	0,014	14,94	0	-282	0	NS	SI		RAR	0,155	360,00	0	-282	0	NS	SI
	QPR	0,012	11,21	0	-240	0	NS	SI									
50,0%	RAR	1,093	14,94	0	21.946	0	13.66	SI		RAR	12,053	360,00	0	21.946	0	29.86	SI
	QPR	0,912	11,21	0	18.309	0	12.28	SI									
75,0%	RAR	0,880	14,94	0	17.658	0	16.98	SI		RAR	9,699	360,00	0	17.658	0	37.11	SI
	QPR	0,734	11,21	0	14.739	0	15.26	SI									
100%	RAR	0,634	14,94	0	-12.729	0	23.56	SI		RAR	6,991	360,00	0	-12.729	0	51.49	SI
	QPR	0,529	11,21	0	-10.621	0	21.17	SI									
Fondazione										**Trave 9-10-11-12-13**							
Trave: Trave 9-10																	
0%	RAR	0,825	14,94	0	-16.568	0	18.10	SI		RAR	9,100	360,00	0	-16.568	0	39.56	SI
	QPR	0,679	11,21	0	-13.639	0	16.49	SI									
25,0%	RAR	0,473	14,94	0	9.499	0	31.57	SI		RAR	5,217	360,00	0	9.499	0	69.00	SI
	QPR	0,396	11,21	0	7.942	0	28.32	SI									
50,0%	RAR	0,837	14,94	0	16.792	0	17.85	SI		RAR	9,223	360,00	0	16.792	0	39.03	SI
	QPR	0,697	11,21	0	13.988	0	16.07	SI									
75,0%	RAR	0,343	14,94	0	6.884	0	43.56	SI		RAR	3,781	360,00	0	6.884	0	95.21	SI
	QPR	0,250	11,21	0	5.014	0	44.86	SI									
100,0%	RAR	0,934	14,94	0	-22.544	0	16.00	SI		RAR	10,293	360,00	0	-22.544	0	34.97	SI
	QPR	0,784	11,21	0	-18.925	0	14.29	SI									
Trave: Trave 10-11																	
0%	RAR	0,390	14,94	0	-9.406	0	38.35	SI		RAR	4,295	360,00	0	-9.406	0	83.82	SI
	QPR	0,330	11,21	0	-7.971	0	33.94	SI									
25,0%	RAR	0,555	14,94	0	11.131	0	26.94	SI		RAR	6,113	360,00	0	11.131	0	58.88	SI
	QPR	0,460	11,21	0	9.239	0	24.34	SI									
50,0%	RAR	0,674	14,94	0	13.533	0	22.15	SI		RAR	7,433	360,00	0	13.533	0	48.43	SI
	QPR	0,563	11,21	0	11.296	0	19.91	SI									
75,0%	RAR	0,124	14,94	0	-2.489	0	NS	SI		RAR	1,367	360,00	0	-2.489	0	NS	SI
	QPR	0,102	11,21	0	-2.045	0	NS	SI									
100,0%	RAR	1,559	14,94	0	-37.652	0	9.58	SI		RAR	17,191	360,00	0	-37.652	0	20.94	SI
	QPR	1,300	11,21	0	-31.382	0	8.62	SI									
Trave: Trave 11-12																	
0%	RAR	3,585	14,94	0	-66.529	0	4.16	SI		RAR	88,276	360,00	0	-66.529	0	4.07	SI
	QPR	2,992	11,21	0	-55.533	0	3.74	SI									
25,0%	RAR	0,345	14,94	0	-6.932	0	43.26	SI		RAR	3,807	360,00	0	-6.932	0	94.55	SI
	QPR	0,288	11,21	0	-5.779	0	38.91	SI									
50,0%	RAR	1,070	14,94	0	21.472	0	13.96	SI		RAR	11,793	360,00	0	21.472	0	30.52	SI
	QPR	0,893	11,21	0	17.928	0	12.54	SI									
75,0%	RAR	1,099	14,94	0	22.057	0	13.59	SI		RAR	12,114	360,00	0	22.057	0	29.71	SI
	QPR	0,916	11,21	0	18.394	0	12.22	SI									
100%	RAR	0,162	14,94	0	-3.900	0	92.50	SI		RAR	1,781	360,00	0	-3.900	0	NS	SI
	QPR	0,138	11,21	0	-3.322	0	81.43	SI									
Trave: Trave 12-13																	
0%	RAR	0,019	14,94	0	458	0	NS	SI		RAR	0,209	360,00	0	458	0	NS	SI
	QPR	0,009	11,21	0	229	0	NS	SI									
24,9%	RAR	0,061	14,94	0	1.233	0	NS	SI		RAR	0,677	360,00	0	1.233	0	NS	SI
	QPR	0,051	11,21	0	1.025	0	NS	SI									
50,0%	RAR	0,060	14,94	0	1.196	0	NS	SI		RAR	0,657	360,00	0	1.196	0	NS	SI
	QPR	0,050	11,21	0	1.013	0	NS	SI									
74,9%	RAR	0,010	14,94	0	202	0	NS	SI		RAR	0,111	360,00	0	202	0	NS	SI
	QPR	0,009	11,21	0	187	0	NS	SI									

%LLI Tp_{rnf}	Compressione calcestruzzo / Compressione calcestruzzo rinforzo								Trazione acciaio / Trazione acciaio/FRP rinforzo							
	Id_{Cmb}	σ_{cc}	$\sigma_{cd,amm}$	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Verificato	Id_{Cmb}	σ_{at}	$\sigma_{td,amm}$	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Verificato
[%]		[N/mm²]	[N/mm²]	[N]	[N·m]	[N·m]				[N/mm²]	[N/mm²]	[N]	[N·m]	[N·m]		
100%	RAR	0,087	14,94	0	-1.755	0	NS	SI	RAR	0,964	360,00	0	-1.755	0	NS	SI
	QPR	0,073	11,21	0	-1.459	0	NS	SI								
Fondazione									**Trave 14-15-16-17**							
Trave: Trave 14-15																
0%	RAR	0,701	14,94	0	-14.079	0	21.30	SI	RAR	7,733	360,00	0	-14.079	0	46.55	SI
	QPR	0,565	11,21	0	-11.340	0	19.83	SI								
25,0%	RAR	0,309	14,94	0	6.207	0	48.31	SI	RAR	3,409	360,00	0	6.207	0	NS	SI
	QPR	0,260	11,21	0	5.210	0	43.17	SI								
50,0%	RAR	0,624	14,94	0	12.527	0	23.93	SI	RAR	6,880	360,00	0	12.527	0	52.32	SI
	QPR	0,521	11,21	0	10.455	0	21.51	SI								
75,0%	RAR	0,350	14,94	0	7.029	0	42.66	SI	RAR	3,861	360,00	0	7.029	0	93.24	SI
	QPR	0,254	11,21	0	5.104	0	44.07	SI								
100,0%	RAR	0,514	14,94	0	-12.400	0	29.09	SI	RAR	5,662	360,00	0	-12.400	0	63.58	SI
	QPR	0,434	11,21	0	-10.484	0	25.80	SI								
Trave: Trave 15-16																
0%	RAR	0,449	14,94	0	-10.845	0	33.26	SI	RAR	4,952	360,00	0	-10.845	0	72.70	SI
	QPR	0,379	11,21	0	-9.151	0	29.56	SI								
25,0%	RAR	0,357	14,94	0	7.156	0	41.90	SI	RAR	3,931	360,00	0	7.156	0	91.59	SI
	QPR	0,285	11,21	0	5.725	0	39.28	SI								
50,0%	RAR	0,579	14,94	0	11.619	0	25.81	SI	RAR	6,381	360,00	0	11.619	0	56.41	SI
	QPR	0,483	11,21	0	9.699	0	23.19	SI								
75,0%	RAR	0,181	14,94	0	3.630	0	82.60	SI	RAR	1,994	360,00	0	3.630	0	NS	SI
	QPR	0,144	11,21	0	2.900	0	77.55	SI								
100%	RAR	0,738	14,94	0	-17.832	0	20.23	SI	RAR	8,142	360,00	0	-17.832	0	44.21	SI
	QPR	0,619	11,21	0	-14.946	0	18.10	SI								
Trave: Trave 16-17																
0%	RAR	0,980	14,94	0	-23.667	0	15.24	SI	RAR	10,806	360,00	0	-23.667	0	33.31	SI
	QPR	0,824	11,21	0	-19.887	0	13.60	SI								
25,0%	RAR	0,358	14,94	0	7.193	0	41.69	SI	RAR	3,951	360,00	0	7.193	0	91.12	SI
	QPR	0,276	11,21	0	5.530	0	40.66	SI								
50,0%	RAR	0,903	14,94	0	18.130	0	16.54	SI	RAR	9,958	360,00	0	18.130	0	36.15	SI
	QPR	0,754	11,21	0	15.143	0	14.85	SI								
75,0%	RAR	0,512	14,94	0	10.281	0	29.16	SI	RAR	5,647	360,00	0	10.281	0	63.75	SI
	QPR	0,429	11,21	0	8.618	0	26.09	SI								
100,0%	RAR	0,937	14,94	0	-18.818	0	15.93	SI	RAR	10,336	360,00	0	-18.818	0	34.83	SI
	QPR	0,780	11,21	0	-15.661	0	14.36	SI								
Fondazione									**Trave 1b-1-5-9-14**							
Trave: Trave 1b-1																
0%	RAR	0,000	14,94	0	0	0	-	SI	RAR	0,000	360,00	0	0	0	-	SI
	QPR	0,000	11,21	0	0	0	-	SI								
25,0%	RAR	0,058	14,94	0	-1.159	0	NS	SI	RAR	0,637	360,00	0	-1.159	0	NS	SI
	QPR	0,048	11,21	0	-971	0	NS	SI								
50,0%	RAR	0,234	14,94	0	-4.699	0	63.82	SI	RAR	2,581	360,00	0	-4.699	0	NS	SI
	QPR	0,196	11,21	0	-3.938	0	57.11	SI								
75,0%	RAR	0,534	14,94	0	-10.713	0	27.99	SI	RAR	5,884	360,00	0	-10.713	0	61.18	SI
	QPR	0,447	11,21	0	-8.978	0	25.05	SI								
100%	RAR	0,759	14,94	0	-19.288	0	19.67	SI	RAR	8,167	360,00	0	-19.288	0	44.08	SI
	QPR	0,636	11,21	0	-16.166	0	17.60	SI								
Trave: Trave 1-5																
0%	RAR	0,246	14,94	0	-6.254	0	60.67	SI	RAR	2,648	360,00	0	-6.254	0	NS	SI
	QPR	0,207	11,21	0	-5.248	0	54.22	SI								
25,0%	RAR	0,106	14,94	0	2.325	0	NS	SI	RAR	1,207	360,00	0	2.325	0	NS	SI
	QPR	0,087	11,21	0	1.906	0	NS	SI								
50,0%	RAR	0,082	14,94	0	1.802	0	NS	SI	RAR	0,935	360,00	0	1.802	0	NS	SI
	QPR	0,068	11,21	0	1.478	0	NS	SI								
75,0%	RAR	0,389	14,94	0	-8.305	0	38.38	SI	RAR	4,172	360,00	0	-8.305	0	86.29	SI
	QPR	0,325	11,21	0	-6.936	0	34.47	SI								
100%	RAR	1,121	14,94	0	-28.479	0	13.32	SI	RAR	12,058	360,00	0	-28.479	0	29.85	SI
	QPR	0,935	11,21	0	-23.744	0	11.98	SI								
Trave: Trave 5-9																
0%	RAR	0,689	14,94	0	-17.502	0	21.68	SI	RAR	7,411	360,00	0	-17.502	0	48.57	SI
	QPR	0,560	11,21	0	-14.225	0	20.00	SI								
25,0%	RAR	0,172	14,94	0	-3.462	0	86.61	SI	RAR	1,902	360,00	0	-3.462	0	NS	SI
	QPR	0,126	11,21	0	-2.539	0	88.58	SI								
50,0%	RAR	0,031	14,94	0	-614	0	NS	SI	RAR	0,337	360,00	0	-614	0	NS	SI
	QPR	0,026	11,21	0	-515	0	NS	SI								
75,0%	RAR	0,496	14,94	0	-9.950	0	30.13	SI	RAR	5,465	360,00	0	-9.950	0	65.87	SI
	QPR	0,413	11,21	0	-8.294	0	27.11	SI								
100%	RAR	1,291	14,94	0	-31.169	0	11.57	SI	RAR	14,232	360,00	0	-31.169	0	25.29	SI
	QPR	1,076	11,21	0	-25.987	0	10.41	SI								
Trave: Trave 9-14																
0%	RAR	2,897	14,94	0	-53.767	0	5.15	SI	RAR	71,342	360,00	0	-53.767	0	5.04	SI
	QPR	1,856	11,21	0	-44.817	0	6.03	SI								
25,0%	RAR	0,421	14,94	0	-8.458	0	35.45	SI	RAR	4,646	360,00	0	-8.458	0	77.49	SI
	QPR	0,352	11,21	0	-7.058	0	31.86	SI								
50,0%	RAR	0,704	14,94	0	14.141	0	21.20	SI	RAR	7,767	360,00	0	14.141	0	46.34	SI
	QPR	0,587	11,21	0	11.782	0	19.09	SI								
75,0%	RAR	0,811	14,94	0	16.279	0	18.42	SI	RAR	8,941	360,00	0	16.279	0	40.26	SI
	QPR	0,676	11,21	0	13.568	0	16.57	SI								
100,0%	RAR	0,056	14,94	0	-1.119	0	NS	SI	RAR	0,614	360,00	0	-1.119	0	NS	SI

%LLI Tp_{rnf}	Compressione calcestruzzo Compressione calcestruzzo rinforzo								Trazione acciaio Trazione acciaio/FRP rinforzo							
	Id_{Cmb}	σ_{cc}	$\sigma_{cd,amm}$	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Verificato	Id_{Cmb}	σ_{at}	$\sigma_{td,amm}$	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	CS	Verificato
[%]		[N/mm²]	[N/mm²]	[N]	[N·m]	[N·m]				[N/mm²]	[N/mm²]	[N]	[N·m]	[N·m]		
	QPR	0,020	11,21	0	-407	0	NS	SI								
Fondazione									**Trave 2b-2-6-10-15**							
Trave: Trave 2b-2																
0%	RAR	0,000	14,94	0	0	0	-	SI	RAR	0,000	360,00	0	0	0	-	SI
	QPR	0,000	11,21	0	0	0	-	SI								
25,0%	RAR	0,055	14,94	0	-1.110	0	NS	SI	RAR	0,610	360,00	0	-1.110	0	NS	SI
	QPR	0,047	11,21	0	-934	0	NS	SI								
50,0%	RAR	0,225	14,94	0	-4.508	0	66.52	SI	RAR	2,476	360,00	0	-4.508	0	NS	SI
	QPR	0,189	11,21	0	-3.795	0	59.26	SI								
75,0%	RAR	0,513	14,94	0	-10.296	0	29.12	SI	RAR	5,655	360,00	0	-10.296	0	63.66	SI
	QPR	0,432	11,21	0	-8.667	0	25.95	SI								
100%	RAR	0,769	14,94	0	-18.568	0	19.42	SI	RAR	8,478	360,00	0	-18.568	0	42.46	SI
	QPR	0,647	11,21	0	-15.631	0	17.30	SI								
Trave: Trave 2-6																
0%	RAR	0,201	14,94	0	4.862	0	74.20	SI	RAR	2,220	360,00	0	4.862	0	NS	SI
	QPR	0,167	11,21	0	4.022	0	67.27	SI								
25,0%	RAR	0,325	14,94	0	6.528	0	45.93	SI	RAR	3,586	360,00	0	6.528	0	NS	SI
	QPR	0,270	11,21	0	5.429	0	41.42	SI								
50,0%	RAR	0,039	14,94	0	-791	0	NS	SI	RAR	0,435	360,00	0	-791	0	NS	SI
	QPR	0,034	11,21	0	-678	0	NS	SI								
75,0%	RAR	0,883	14,94	0	-17.732	0	16.91	SI	RAR	9,739	360,00	0	-17.732	0	36.96	SI
	QPR	0,739	11,21	0	-14.831	0	15.16	SI								
100,0%	RAR	1,860	14,94	0	-44.900	0	8.03	SI	RAR	20,501	360,00	0	-44.900	0	17.56	SI
	QPR	1,555	11,21	0	-37.539	0	7.20	SI								
Trave: Trave 6-10																
0%	RAR	1,484	14,94	0	-35.845	0	10.06	SI	RAR	16,366	360,00	0	-35.845	0	21.99	SI
	QPR	1,244	11,21	0	-30.045	0	9.00	SI								
25,0%	RAR	0,664	14,94	0	-13.331	0	22.49	SI	RAR	7,322	360,00	0	-13.331	0	49.16	SI
	QPR	0,557	11,21	0	-11.176	0	20.12	SI								
50,0%	RAR	0,120	14,94	0	-2.411	0	NS	SI	RAR	1,324	360,00	0	-2.411	0	NS	SI
	QPR	0,100	11,21	0	-2.004	0	NS	SI								
75,0%	RAR	0,168	14,94	0	-3.363	0	89.18	SI	RAR	1,847	360,00	0	-3.363	0	NS	SI
	QPR	0,120	11,21	0	-2.401	0	93.67	SI								
100%	RAR	0,608	14,94	0	-14.673	0	24.58	SI	RAR	6,699	360,00	0	-14.673	0	53.73	SI
	QPR	0,505	11,21	0	-12.190	0	22.19	SI								
Trave: Trave 10-15																
0%	RAR	1,955	14,94	0	-47.218	0	7.64	SI	RAR	21,559	360,00	0	-47.218	0	16.69	SI
	QPR	1,632	11,21	0	-39.407	0	6.86	SI								
25,0%	RAR	0,349	14,94	0	-7.010	0	42.78	SI	RAR	3,850	360,00	0	-7.010	0	93.50	SI
	QPR	0,291	11,21	0	-5.834	0	38.55	SI								
50,0%	RAR	0,635	14,94	0	12.750	0	23.52	SI	RAR	7,003	360,00	0	12.750	0	51.40	SI
	QPR	0,531	11,21	0	10.662	0	21.09	SI								
75,0%	RAR	0,726	14,94	0	14.570	0	20.58	SI	RAR	8,002	360,00	0	14.570	0	44.98	SI
	QPR	0,606	11,21	0	12.167	0	18.48	SI								
100,0%	RAR	0,043	14,94	0	870	0	NS	SI	RAR	0,478	360,00	0	870	0	NS	SI
	QPR	0,012	11,21	0	246	0	NS	SI								
Fondazione									**Trave 3b-3-7-11-16**							
Trave: Trave 3b-3																
0%	RAR	0,000	14,94	0	0	0	-	SI	RAR	0,000	360,00	0	0	0	-	SI
	QPR	0,000	11,21	0	0	0	-	SI								
25,0%	RAR	0,059	14,94	0	-1.181	0	NS	SI	RAR	0,649	360,00	0	-1.181	0	NS	SI
	QPR	0,050	11,21	0	-995	0	NS	SI								
50,0%	RAR	0,239	14,94	0	-4.806	0	62.40	SI	RAR	2,639	360,00	0	-4.806	0	NS	SI
	QPR	0,202	11,21	0	-4.050	0	55.53	SI								
75,0%	RAR	0,548	14,94	0	-10.995	0	27.27	SI	RAR	6,039	360,00	0	-10.995	0	59.61	SI
	QPR	0,462	11,21	0	-9.266	0	24.27	SI								
100%	RAR	0,823	14,94	0	-19.867	0	18.15	SI	RAR	9,071	360,00	0	-19.867	0	39.68	SI
	QPR	0,693	11,21	0	-16.741	0	16.16	SI								
Trave: Trave 3-7																
0%	RAR	0,651	14,94	0	15.715	0	22.95	SI	RAR	7,175	360,00	0	15.715	0	50.17	SI
	QPR	0,539	11,21	0	13.019	0	20.78	SI								
25,0%	RAR	0,580	14,94	0	11.642	0	25.75	SI	RAR	6,394	360,00	0	11.642	0	56.30	SI
	QPR	0,482	11,21	0	9.676	0	23.24	SI								
50,0%	RAR	0,116	14,94	0	-2.331	0	NS	SI	RAR	1,280	360,00	0	-2.331	0	NS	SI
	QPR	0,097	11,21	0	-1.954	0	NS	SI								
75,0%	RAR	1,349	14,94	0	-27.071	0	11.07	SI	RAR	14,868	360,00	0	-27.071	0	24.21	SI
	QPR	1,126	11,21	0	-22.593	0	9.95	SI								
100,0%	RAR	3,416	14,94	0	-63.395	0	4.37	SI	RAR	84,117	360,00	0	-63.395	0	4.27	SI
	QPR	2,852	11,21	0	-52.928	0	3.92	SI								
Trave: Trave 7-11																
0%	RAR	2,846	14,94	0	-52.819	0	5.24	SI	RAR	70,085	360,00	0	-52.819	0	5.13	SI
	QPR	1,829	11,21	0	-44.167	0	6.12	SI								
25,0%	RAR	1,088	14,94	0	-21.838	0	13.73	SI	RAR	11,995	360,00	0	-21.838	0	30.01	SI
	QPR	0,909	11,21	0	-18.246	0	12.32	SI								
50,0%	RAR	0,198	14,94	0	-3.967	0	75.59	SI	RAR	2,179	360,00	0	-3.967	0	NS	SI
	QPR	0,164	11,21	0	-3.294	0	68.27	SI								
75,0%	RAR	0,057	14,94	0	1.139	0	NS	SI	RAR	0,626	360,00	0	1.139	0	NS	SI
	QPR	0,049	11,21	0	974	0	NS	SI								
100%	RAR	0,256	14,94	0	-6.173	0	58.43	SI	RAR	2,819	360,00	0	-6.173	0	NS	SI
	QPR	0,210	11,21	0	-5.082	0	53.24	SI								

Travi - verifiche delle tensioni di esercizio

%LLI Tp$_{rnf}$	Compressione calcestruzzo / Compressione calcestruzzo rinforzo								Trazione acciaio / Trazione acciaio/FRP rinforzo							
	Id$_{Cmb}$	σ_{cc}	$\sigma_{cd,amm}$	N$_{Ed}$	M$_{Ed,3}$	M$_{Ed,2}$	CS	Verificato	Id$_{Cmb}$	σ_{at}	$\sigma_{td,amm}$	N$_{Ed}$	M$_{Ed,3}$	M$_{Ed,2}$	CS	Verificato
[%]		[N/mm^2]	[N/mm^2]	[N]	[N·m]	[N·m]				[N/mm^2]	[N/mm^2]	[N]	[N·m]	[N·m]		
Trave: Trave 11-16																
0%	RAR	2,797	14,94	0	-51.910	0	5.34	SI	RAR	68,879	360,00	0	-51.910	0	5.22	SI
	QPR	1,795	11,21	0	-43.335	0	6.24	SI								
25,0%	RAR	0,397	14,94	0	-7.967	0	37.64	SI	RAR	4,376	360,00	0	-7.967	0	82.27	SI
	QPR	0,330	11,21	0	-6.628	0	33.93	SI								
50,0%	RAR	0,700	14,94	0	14.044	0	21.35	SI	RAR	7,713	360,00	0	14.044	0	46.67	SI
	QPR	0,585	11,21	0	11.749	0	19.14	SI								
75,0%	RAR	0,854	14,94	0	17.149	0	17.48	SI	RAR	9,419	360,00	0	17.149	0	38.21	SI
	QPR	0,713	11,21	0	14.318	0	15.70	SI								
100,0%	RAR	0,203	14,94	0	4.078	0	73.53	SI	RAR	2,240	360,00	0	4.078	0	NS	SI
	QPR	0,150	11,21	0	3.018	0	74.51	SI								
Fondazione									**Trave 4b-4-8-13**							
Trave: Trave 4b-4																
0%	RAR	0,000	14,94	0	0	0	-	SI	RAR	0,000	360,00	0	0	0	-	SI
	QPR	0,000	11,21	0	0	0	-	SI								
25,0%	RAR	0,051	14,94	0	-1.030	0	NS	SI	RAR	0,566	360,00	0	-1.030	0	NS	SI
	QPR	0,043	11,21	0	-872	0	NS	SI								
50,0%	RAR	0,208	14,94	0	-4.182	0	71.70	SI	RAR	2,297	360,00	0	-4.182	0	NS	SI
	QPR	0,176	11,21	0	-3.540	0	63.53	SI								
75,0%	RAR	0,476	14,94	0	-9.548	0	31.41	SI	RAR	5,244	360,00	0	-9.548	0	68.65	SI
	QPR	0,403	11,21	0	-8.081	0	27.83	SI								
100%	RAR	0,678	14,94	0	-17.213	0	22.04	SI	RAR	7,288	360,00	0	-17.213	0	49.39	SI
	QPR	0,574	11,21	0	-14.568	0	19.53	SI								
Trave: Trave 4-8																
0%	RAR	0,014	14,94	0	-358	0	NS	SI	RAR	0,152	360,00	0	-358	0	NS	SI
	QPR	0,006	11,21	0	-147	0	NS	SI								
25,0%	RAR	0,178	14,94	0	3.892	0	83.87	SI	RAR	2,019	360,00	0	3.892	0	NS	SI
	QPR	0,148	11,21	0	3.226	0	75.90	SI								
50,0%	RAR	0,017	14,94	0	-368	0	NS	SI	RAR	0,185	360,00	0	-368	0	NS	SI
	QPR	0,015	11,21	0	-327	0	NS	SI								
75,0%	RAR	0,628	14,94	0	-13.404	0	23.78	SI	RAR	6,733	360,00	0	-13.404	0	53.46	SI
	QPR	0,527	11,21	0	-11.247	0	21.25	SI								
100%	RAR	1,406	14,94	0	-35.720	0	10.62	SI	RAR	15,124	360,00	0	-35.720	0	23.80	SI
	QPR	1,180	11,21	0	-29.960	0	9.49	SI								
Trave: Trave 8-13																
0%	RAR	1,486	14,94	0	-37.732	0	10.05	SI	RAR	15,976	360,00	0	-37.732	0	22.53	SI
	QPR	1,248	11,21	0	-31.691	0	8.98	SI								
25,0%	RAR	0,646	14,94	0	-12.958	0	23.14	SI	RAR	7,117	360,00	0	-12.958	0	50.58	SI
	QPR	0,542	11,21	0	-10.888	0	20.65	SI								
50,0%	RAR	0,074	14,94	0	1.477	0	NS	SI	RAR	0,811	360,00	0	1.477	0	NS	SI
	QPR	0,056	11,21	0	1.117	0	NS	SI								
75,0%	RAR	0,264	14,94	0	5.298	0	56.60	SI	RAR	2,910	360,00	0	5.298	0	NS	SI
	QPR	0,222	11,21	0	4.459	0	50.43	SI								
100%	RAR	0,044	14,94	0	-892	0	NS	SI	RAR	0,490	360,00	0	-892	0	NS	SI
	QPR	0,036	11,21	0	-720	0	NS	SI								
Fondazione									**Trave 12-17**							
Trave: Trave 12-17																
0%	RAR	1,300	14,94	0	-26.092	0	11.49	SI	RAR	14,331	360,00	0	-26.092	0	25.12	SI
	QPR	1,090	11,21	0	-21.880	0	10.27	SI								
25,0%	RAR	0,256	14,94	0	5.144	0	58.30	SI	RAR	2,825	360,00	0	5.144	0	NS	SI
	QPR	0,195	11,21	0	3.904	0	57.60	SI								
50,0%	RAR	0,822	14,94	0	16.500	0	18.17	SI	RAR	9,062	360,00	0	16.500	0	39.72	SI
	QPR	0,687	11,21	0	13.793	0	16.30	SI								
75,0%	RAR	0,499	14,94	0	10.013	0	29.95	SI	RAR	5,500	360,00	0	10.013	0	65.46	SI
	QPR	0,418	11,21	0	8.390	0	26.80	SI								
100,0%	RAR	0,742	14,94	0	-14.902	0	20.12	SI	RAR	8,185	360,00	0	-14.902	0	43.98	SI
	QPR	0,619	11,21	0	-12.420	0	18.11	SI								

LEGENDA:

%L$_{LI}$ Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L$_{LI}$), a partire dall'estremo iniziale.
Rinf. Indica la presenza del rinforzo sulla sezione di verifica.
FRC Spostamento massimo (freccia) dell'elemento, valutata in combinazione Caratteristica (RARA).
Id$_{Cmb}$ Identificativo della Combinazione di Azione: [QPR] = Quasi Permanente - [FRQ] = Frequente - [RAR] = Rara.
σ_{cc} Tensione massima di compressione nel calcestruzzo.
$\sigma_{cd,amm}$ Tensione ammissibile per la verifica a compressione del calcestruzzo.
N$_{Ed}$, M$_{Ed,3}$, M$_{Ed,2}$ Sollecitazioni di progetto.
σ_{at} Tensione massima di trazione nell'acciaio della Trave/Rinforzo o nel FRP.
$\sigma_{td,amm}$ Tensione ammissibile per la verifica a trazione dell'acciaio/rinforzo.
CS Coefficiente di Sicurezza (= $\sigma_{cd,amm}/\sigma_{cc}$; $\sigma_{td,amm}/\sigma_{at}$). [NS] = Non Significativo (CS ≥ 100).
Verificato [SI] = La verifica è soddisfatta ($\sigma_{cc} \le \sigma_{cd,amm}$; $\sigma_{at} \le \sigma_{td,amm}$). [NO] = La verifica NON è soddisfatta ($\sigma_{cc} > \sigma_{cd,amm}$; $\sigma_{at} > \sigma_{td,amm}$).

Travi - VERIFICA ALLO STATO LIMITE DI FESSURAZIONE (Fondazione)

Travi - verifica allo stato limite di fessurazione

%L$_{LI}$	Id$_{Cmb}$	N$_{Ed}$	M$_{Ed,3}$	M$_{Ed,2}$	$\sigma_{ct,f}$	σ_t	ε_{sm}	A$_e$	Δ_{sm}	W$_d$	W$_{amm}$	CS	Verificato
[%]		[N]	[N·m]	[N·m]	[N/mm^2]	[N/mm^2]		[cm^2]	[mm]	[mm]	[mm]		
Fondazione								**Trave 1-2-3-4**					

%L_{LI}	Id_{Cmb}	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	$\sigma_{ct,f}$	σ_t	ε_{sm}	A_e	Δ_{sm}	W_d	W_{amm}	CS	Verificato
[%]		[N]	[N·m]	[N·m]	[N/mm²]	[N/mm²]		[cm²]	[mm]	[mm]	[mm]		
Trave: Trave 1-2								**AA= PCA**					
0%	FRQ	0	-8.354	0	0,42	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-7.460	0	0,37	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	2.081	0	0,10	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	1.782	0	0,09	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	8.322	0	0,41	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	7.882	0	0,39	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	11.363	0	0,57	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	10.899	0	0,54	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	11.244	0	0,56	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	10.870	0	0,54	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	8.339	0	0,42	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	7.810	0	0,39	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	2.349	0	0,12	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	1.704	0	0,08	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-8.193	0	0,41	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-7.478	0	0,37	2,13	0 E-01	0	0	0,000	0,300	-	SI
100,0%	FRQ	0	-21.130	0	0,88	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-19.771	0	0,82	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 2-3								**AA= PCA**					
0%	FRQ	0	-8.694	0	0,36	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-7.904	0	0,33	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	2.296	0	0,11	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	1.592	0	0,08	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	8.116	0	0,40	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	7.569	0	0,38	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	10.419	0	0,52	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	10.033	0	0,50	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	9.300	0	0,46	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	8.963	0	0,45	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	4.490	0	0,22	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	4.313	0	0,21	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-4.160	0	0,21	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-3.995	0	0,20	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-16.742	0	0,83	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-16.047	0	0,80	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-33.332	0	1,38	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-31.916	0	1,32	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 3-4								**AA= PCA**					
0%	FRQ	0	-46.180	0	1,91	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-43.846	0	1,82	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-19.722	0	0,98	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-18.689	0	0,93	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-313	0	0,02	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-240	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	12.509	0	0,62	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	11.941	0	0,59	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	19.222	0	0,96	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	18.309	0	0,91	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	20.174	0	1,01	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	19.196	0	0,96	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	15.513	0	0,77	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	14.739	0	0,73	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	5.170	0	0,26	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	4.873	0	0,24	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-11.085	0	0,55	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-10.621	0	0,53	2,13	0 E-01	0	0	0,000	0,300	-	SI
Fondazione								**Trave 9-10-11-12-13**					
Trave: Trave 9-10								**AA= PCA**					
0%	FRQ	0	-14.383	0	0,72	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-13.639	0	0,68	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-1.198	0	0,06	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-859	0	0,04	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	8.344	0	0,42	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	7.942	0	0,40	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	13.399	0	0,67	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	12.864	0	0,64	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	14.503	0	0,72	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	13.988	0	0,70	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	11.843	0	0,59	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	11.365	0	0,57	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	5.548	0	0,28	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	5.014	0	0,25	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-5.577	0	0,28	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-5.076	0	0,25	2,13	0 E-01	0	0	0,000	0,300	-	SI
100,0%	FRQ	0	-20.096	0	0,83	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-18.925	0	0,78	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 10-11								**AA= PCA**					
0%	FRQ	0	-8.629	0	0,36	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-7.971	0	0,33	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	3.072	0	0,15	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	2.528	0	0,13	2,13	0 E-01	0	0	0,000	0,300	-	SI

%L_{LI}	Id_{Cmb}	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	$\sigma_{ct,f}$	σ_t	ε_{sm}	A_e	Δ_{sm}	W_d	W_{amm}	CS	Verificato
[%]		[N]	[N·m]	[N·m]	[N/mm²]	[N/mm²]		[cm²]	[mm]	[mm]	[mm]		
25,0%	FRQ	0	9.703	0	0,48	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	9.239	0	0,46	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	12.592	0	0,63	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	12.166	0	0,61	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	11.730	0	0,58	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	11.296	0	0,56	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	6.845	0	0,34	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	6.583	0	0,33	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-2.138	0	0,11	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-2.045	0	0,10	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-15.310	0	0,76	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-14.673	0	0,73	2,13	0 E-01	0	0	0,000	0,300	-	SI
100,0%	FRQ	0	-32.755	0	1,36	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-31.382	0	1,30	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 11-12								**AA= PCA**					
0%	FRQ	0	-58.206	0	2,41	2,13	2,2066 E-04	795	254	0,056	0,400	7,14	SI
	QPR	0	-55.533	0	2,30	2,13	2,1053 E-04	795	254	0,053	0,300	5,62	SI
12,5%	FRQ	0	-28.539	0	1,42	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-27.218	0	1,36	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-6.077	0	0,30	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-5.779	0	0,29	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	9.549	0	0,48	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	9.134	0	0,46	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	18.762	0	0,93	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	17.928	0	0,89	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	21.922	0	1,09	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	20.944	0	1,04	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	19.247	0	0,96	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	18.394	0	0,92	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	10.796	0	0,54	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	10.332	0	0,51	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-3.515	0	0,15	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-3.322	0	0,14	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 12-13								**AA= PCA**					
0%	FRQ	0	298	0	0,01	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	229	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	780	0	0,03	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	728	0	0,03	2,13	0 E-01	0	0	0,000	0,300	-	SI
24,9%	FRQ	0	1.061	0	0,05	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	1.025	0	0,05	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	1.165	0	0,06	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	1.120	0	0,06	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	1.058	0	0,05	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	1.013	0	0,05	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	740	0	0,04	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	702	0	0,03	2,13	0 E-01	0	0	0,000	0,300	-	SI
74,9%	FRQ	0	209	0	0,01	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	187	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-587	0	0,03	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-533	0	0,03	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-1.533	0	0,08	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-1.459	0	0,07	2,13	0 E-01	0	0	0,000	0,300	-	SI
Fondazione								**Trave 14-15-16-17**					
Trave: Trave 14-15								**AA= PCA**					
0%	FRQ	0	-12.061	0	0,60	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-11.340	0	0,56	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-1.953	0	0,10	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-1.597	0	0,08	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	5.492	0	0,27	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	5.210	0	0,26	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	9.564	0	0,48	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	9.193	0	0,46	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	10.808	0	0,54	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	10.455	0	0,52	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	9.532	0	0,47	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	9.073	0	0,45	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	5.656	0	0,28	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	5.104	0	0,25	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-1.776	0	0,09	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-1.422	0	0,07	2,13	0 E-01	0	0	0,000	0,300	-	SI
100,0%	FRQ	0	-11.298	0	0,47	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-10.484	0	0,43	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 15-16								**AA= PCA**					
0%	FRQ	0	-9.795	0	0,41	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-9.151	0	0,38	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-534	0	0,03	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-328	0	0,02	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	6.105	0	0,30	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	5.725	0	0,29	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	9.395	0	0,47	2,13	0 E-01	0	0	0,000	0,400	-	SI

%L_{LI}	Id_{Cmb}	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	$\sigma_{ct,f}$	σ_t	ε_{sm}	A_e	Δ_{sm}	W_d	W_{amm}	CS	Verificato
[%]		[N]	[N·m]	[N·m]	[N/mm²]	[N/mm²]		[cm²]	[mm]	[mm]	[mm]		
	QPR	0	9.057	0	0,45	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	10.033	0	0,50	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	9.699	0	0,48	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	7.912	0	0,39	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	7.655	0	0,38	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	3.095	0	0,15	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	2.900	0	0,14	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-4.905	0	0,24	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-4.615	0	0,23	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-15.711	0	0,65	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-14.946	0	0,62	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 16-17								**AA= PCA**					
0%	FRQ	0	-21.110	0	0,87	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-19.887	0	0,82	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-5.677	0	0,28	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-5.189	0	0,26	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	5.989	0	0,30	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	5.530	0	0,28	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	12.727	0	0,63	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	12.306	0	0,61	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	15.750	0	0,78	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	15.143	0	0,75	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	14.587	0	0,73	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	13.968	0	0,70	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	9.072	0	0,45	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	8.618	0	0,43	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-1.517	0	0,08	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-1.158	0	0,06	2,13	0 E-01	0	0	0,000	0,300	-	SI
100,0%	FRQ	0	-16.392	0	0,82	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-15.661	0	0,78	2,13	0 E-01	0	0	0,000	0,300	-	SI
Fondazione								**Trave 1b-1-5-9-14**					
Trave: Trave 1b-1								**AA= PCA**					
0%	FRQ	0	0	0	0,00	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	0	0	0,00	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-249	0	0,01	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-241	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-1.003	0	0,05	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-971	0	0,05	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	-2.271	0	0,11	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-2.200	0	0,11	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-4.065	0	0,20	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-3.938	0	0,20	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-6.394	0	0,32	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-6.194	0	0,31	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-9.268	0	0,46	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-8.978	0	0,45	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-12.696	0	0,63	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-12.299	0	0,61	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-16.689	0	0,64	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-16.166	0	0,62	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 1-5								**AA= PCA**					
0%	FRQ	0	-5.457	0	0,21	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-5.248	0	0,20	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-791	0	0,04	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-748	0	0,03	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	1.997	0	0,09	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	1.906	0	0,09	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	2.761	0	0,13	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	2.665	0	0,12	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	1.543	0	0,07	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	1.478	0	0,07	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-1.792	0	0,08	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-1.705	0	0,08	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-7.204	0	0,33	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-6.936	0	0,32	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-14.779	0	0,68	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-14.268	0	0,65	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-24.560	0	0,95	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-23.744	0	0,92	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 5-9								**AA= PCA**					
0%	FRQ	0	-15.084	0	0,58	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-14.225	0	0,55	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-7.713	0	0,30	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-7.184	0	0,28	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-2.806	0	0,14	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-2.539	0	0,13	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	-382	0	0,02	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-310	0	0,02	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-567	0	0,03	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-515	0	0,03	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-3.388	0	0,17	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-3.170	0	0,16	2,13	0 E-01	0	0	0,000	0,300	-	SI

%L_{LI}	Id_{Cmb}	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	$\sigma_{ct,f}$	σ_t	ε_{sm}	A_e	Δ_{sm}	W_d	W_{amm}	CS	Verificato
[%]		[N]	[N·m]	[N·m]	[N/mm²]	[N/mm²]		[cm²]	[mm]	[mm]	[mm]		
75,0%	FRQ	0	-8.767	0	0,44	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-8.294	0	0,41	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-16.718	0	0,83	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-15.897	0	0,79	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-27.247	0	1,13	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-25.987	0	1,08	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 9-14								**AA= PCA**					
0%	FRQ	0	-46.665	0	1,93	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-44.817	0	1,86	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-24.475	0	1,22	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-23.460	0	1,17	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-7.428	0	0,37	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-7.058	0	0,35	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	4.873	0	0,24	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	4.605	0	0,23	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	12.180	0	0,61	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	11.782	0	0,59	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	15.246	0	0,76	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	14.706	0	0,73	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	14.101	0	0,70	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	13.568	0	0,68	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	8.886	0	0,44	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	8.502	0	0,42	2,13	0 E-01	0	0	0,000	0,300	-	SI
100,0%	FRQ	0	-637	0	0,03	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-407	0	0,02	2,13	0 E-01	0	0	0,000	0,300	-	SI
Fondazione								**Trave 2b-2-6-10-15**					
Trave: Trave 2b-2								**AA= PCA**					
0%	FRQ	0	0	0	0,00	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	0	0	0,00	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-242	0	0,01	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-232	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-977	0	0,05	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-934	0	0,05	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	-2.215	0	0,11	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-2.119	0	0,11	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-3.968	0	0,20	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-3.795	0	0,19	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-6.247	0	0,31	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-5.975	0	0,30	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-9.061	0	0,45	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-8.667	0	0,43	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-12.423	0	0,62	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-11.883	0	0,59	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-16.342	0	0,68	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-15.631	0	0,65	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 2-6								**AA= PCA**					
0%	FRQ	0	4.303	0	0,18	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	4.022	0	0,17	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	5.965	0	0,30	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	5.633	0	0,28	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	5.725	0	0,29	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	5.429	0	0,27	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	3.519	0	0,18	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	3.347	0	0,17	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-722	0	0,04	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-678	0	0,03	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-7.069	0	0,35	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-6.715	0	0,33	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-15.594	0	0,78	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-14.831	0	0,74	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-26.360	0	1,31	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-25.089	0	1,25	2,13	0 E-01	0	0	0,000	0,300	-	SI
100,0%	FRQ	0	-39.422	0	1,63	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-37.539	0	1,55	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 6-10								**AA= PCA**					
0%	FRQ	0	-31.652	0	1,31	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-30.045	0	1,24	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-20.452	0	1,02	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-19.395	0	0,97	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-11.798	0	0,59	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-11.176	0	0,56	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	-5.682	0	0,28	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-5.384	0	0,27	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-2.091	0	0,10	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-2.004	0	0,10	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-1.162	0	0,06	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-1.017	0	0,05	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-2.678	0	0,13	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-2.401	0	0,12	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-6.557	0	0,33	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-6.134	0	0,31	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-12.775	0	0,53	2,13	0 E-01	0	0	0,000	0,400	-	SI

%L_{LI}	Id_{Cmb}	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	$\sigma_{ct,f}$	σ_t	ε_{sm}	A_e	Δ_{sm}	W_d	W_{amm}	CS	Verificato
[%]		[N]	[N·m]	[N·m]	[N/mm²]	[N/mm²]		[cm²]	[mm]	[mm]	[mm]		
	QPR	0	-12.190	0	0,50	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 10-15								**AA= PCA**					
0%	FRQ	0	-41.083	0	1,70	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-39.407	0	1,63	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-21.189	0	1,06	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-20.358	0	1,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-6.035	0	0,30	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-5.834	0	0,29	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	4.663	0	0,23	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	4.414	0	0,22	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	11.171	0	0,56	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	10.662	0	0,53	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	13.770	0	0,69	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	13.173	0	0,66	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	12.691	0	0,63	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	12.167	0	0,61	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	8.114	0	0,40	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	7.816	0	0,39	2,13	0 E-01	0	0	0,000	0,300	-	SI
100,0%	FRQ	0	446	0	0,02	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	246	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
Fondazione								**Trave 3b-3-7-11-16**					
Trave: Trave 3b-3								**AA= PCA**					
0%	FRQ	0	0	0	0,00	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	0	0	0,00	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-259	0	0,01	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-247	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-1.043	0	0,05	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-995	0	0,05	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	-2.367	0	0,12	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-2.259	0	0,11	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-4.245	0	0,21	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-4.050	0	0,20	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-6.688	0	0,33	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-6.382	0	0,32	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-9.710	0	0,48	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-9.266	0	0,46	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-13.324	0	0,66	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-12.715	0	0,63	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-17.542	0	0,73	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-16.741	0	0,69	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 3-7								**AA= PCA**					
0%	FRQ	0	13.638	0	0,56	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	13.019	0	0,54	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	12.932	0	0,64	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	12.341	0	0,61	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	10.141	0	0,51	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	9.676	0	0,48	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	5.179	0	0,26	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	4.941	0	0,25	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-2.047	0	0,10	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-1.954	0	0,10	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-11.637	0	0,58	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-11.101	0	0,55	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-23.684	0	1,18	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-22.593	0	1,13	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-38.277	0	1,91	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-36.513	0	1,82	2,13	0 E-01	0	0	0,000	0,300	-	SI
100,0%	FRQ	0	-55.484	0	2,30	2,13	2,1034 E-04	795	254	0,053	0,400	7,49	SI
	QPR	0	-52.928	0	2,19	2,13	2,0065 E-04	795	254	0,051	0,300	5,89	SI
Trave: Trave 7-11								**AA= PCA**					
0%	FRQ	0	-46.367	0	1,92	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-44.167	0	1,83	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-31.313	0	1,56	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-29.825	0	1,49	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-19.155	0	0,95	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-18.246	0	0,91	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	-9.876	0	0,49	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-9.413	0	0,47	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-3.438	0	0,17	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-3.294	0	0,16	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	201	0	0,01	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	153	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	1.089	0	0,05	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	974	0	0,05	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-995	0	0,05	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-785	0	0,04	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-5.362	0	0,22	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-5.082	0	0,21	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 11-16								**AA= PCA**					
0%	FRQ	0	-45.235	0	1,87	2,13	0 E-01	0	0	0,000	0,400	-	SI

%L_{LI}	Id_{Cmb}	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	$\sigma_{ct,f}$	σ_t	ε_{sm}	A_e	Δ_{sm}	W_d	W_{amm}	CS	Verificato
[%]		[N]	[N·m]	[N·m]	[N/mm²]	[N/mm²]		[cm²]	[mm]	[mm]	[mm]		
12,5%	QPR	0	-43.335	0	1,79	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	-23.486	0	1,17	2,13	0 E-01	0	0	0,000	0,400	-	SI
25,0%	QPR	0	-22.535	0	1,12	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	-6.860	0	0,34	2,13	0 E-01	0	0	0,000	0,400	-	SI
37,5%	QPR	0	-6.628	0	0,33	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	4.959	0	0,25	2,13	0 E-01	0	0	0,000	0,400	-	SI
50,0%	QPR	0	4.690	0	0,23	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	12.319	0	0,61	2,13	0 E-01	0	0	0,000	0,400	-	SI
62,5%	QPR	0	11.749	0	0,59	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	15.552	0	0,77	2,13	0 E-01	0	0	0,000	0,400	-	SI
75,0%	QPR	0	14.868	0	0,74	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	14.942	0	0,74	2,13	0 E-01	0	0	0,000	0,400	-	SI
87,5%	QPR	0	14.318	0	0,71	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	10.714	0	0,53	2,13	0 E-01	0	0	0,000	0,400	-	SI
100,0%	QPR	0	10.315	0	0,51	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	3.316	0	0,17	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	3.018	0	0,15	2,13	0 E-01	0	0	0,000	0,300	-	SI
Fondazione								**Trave 4b-4-8-13**					
Trave: Trave 4b-4								**AA= PCA**					
0%	FRQ	0	0	0	0,00	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	0	0	0,00	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-227	0	0,01	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-216	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-913	0	0,05	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-872	0	0,04	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	-2.069	0	0,10	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-1.977	0	0,10	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-3.706	0	0,18	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-3.540	0	0,18	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-5.833	0	0,29	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-5.572	0	0,28	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-8.460	0	0,42	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-8.081	0	0,40	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-11.596	0	0,58	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-11.077	0	0,55	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-15.250	0	0,59	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-14.568	0	0,56	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 4-8								**AA= PCA**					
0%	FRQ	0	-222	0	0,01	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-147	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	2.535	0	0,12	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	2.378	0	0,11	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	3.408	0	0,16	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	3.226	0	0,15	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	2.465	0	0,12	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	2.342	0	0,11	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	-350	0	0,02	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-327	0	0,01	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	-5.096	0	0,23	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-4.838	0	0,22	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	-11.832	0	0,54	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-11.247	0	0,51	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	-20.612	0	0,94	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-19.607	0	0,90	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-31.482	0	1,21	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-29.960	0	1,16	2,13	0 E-01	0	0	0,000	0,300	-	SI
Trave: Trave 8-13								**AA= PCA**					
0%	FRQ	0	-33.183	0	1,28	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-31.691	0	1,22	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-21.145	0	0,86	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-20.185	0	0,82	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	-11.422	0	0,57	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-10.888	0	0,54	2,13	0 E-01	0	0	0,000	0,300	-	SI
37,5%	FRQ	0	-4.006	0	0,20	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-3.793	0	0,19	2,13	0 E-01	0	0	0,000	0,300	-	SI
50,0%	FRQ	0	1.219	0	0,06	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	1.117	0	0,06	2,13	0 E-01	0	0	0,000	0,300	-	SI
62,5%	FRQ	0	3.996	0	0,20	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	3.861	0	0,19	2,13	0 E-01	0	0	0,000	0,300	-	SI
75,0%	FRQ	0	4.626	0	0,23	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	4.459	0	0,22	2,13	0 E-01	0	0	0,000	0,300	-	SI
87,5%	FRQ	0	3.123	0	0,16	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	2.928	0	0,15	2,13	0 E-01	0	0	0,000	0,300	-	SI
100%	FRQ	0	-872	0	0,04	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-720	0	0,04	2,13	0 E-01	0	0	0,000	0,300	-	SI
Fondazione								**Trave 12-17**					
Trave: Trave 12-17								**AA= PCA**					
0%	FRQ	0	-23.118	0	1,15	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-21.880	0	1,09	2,13	0 E-01	0	0	0,000	0,300	-	SI
12,5%	FRQ	0	-7.456	0	0,37	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-6.946	0	0,35	2,13	0 E-01	0	0	0,000	0,300	-	SI
25,0%	FRQ	0	4.251	0	0,21	2,13	0 E-01	0	0	0,000	0,400	-	SI

Travi - verifica allo stato limite di fessurazione

%L_{LI}	Id_{Cmb}	N_{Ed}	$M_{Ed,3}$	$M_{Ed,2}$	$\sigma_{ct,f}$	σ_t	ε_{sm}	A_e	Δ_{sm}	W_d	W_{amm}	CS	Verificato
[%]		[N]	[N·m]	[N·m]	[N/mm²]	[N/mm²]		[cm²]	[mm]	[mm]	[mm]		
37,5%	QPR	0	3.904	0	0,19	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	11.164	0	0,56	2,13	0 E-01	0	0	0,000	0,400	-	SI
50,0%	QPR	0	10.784	0	0,54	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	14.354	0	0,72	2,13	0 E-01	0	0	0,000	0,400	-	SI
62,5%	QPR	0	13.793	0	0,69	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	13.567	0	0,68	2,13	0 E-01	0	0	0,000	0,400	-	SI
75,0%	QPR	0	12.993	0	0,65	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	8.817	0	0,44	2,13	0 E-01	0	0	0,000	0,400	-	SI
87,5%	QPR	0	8.390	0	0,42	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	-322	0	0,02	2,13	0 E-01	0	0	0,000	0,400	-	SI
100,0%	QPR	0	-56	0	0,00	2,13	0 E-01	0	0	0,000	0,300	-	SI
	FRQ	0	-12.981	0	0,65	2,13	0 E-01	0	0	0,000	0,400	-	SI
	QPR	0	-12.420	0	0,62	2,13	0 E-01	0	0	0,000	0,300	-	SI

LEGENDA:

%L_{LI} Posizione della sezione per la quale vengono forniti i valori di verifica, valutata come % della lunghezza libera d'inflessione (L_{LI}), a partire dall'estremo iniziale.
FRC Spostamento massimo (freccia) dell'elemento, valutata in combinazione Caratteristica (RARA).
AA Identificativo dell'aggressività dell'ambiente: [PCA] = "Ordinario"; [MDA] = "Aggressivo"; [MLA] = "Molto aggressivo".
Id_{Cmb} Identificativo della Combinazione di Azione: [QPR] = Quasi Permanente - [FRQ] = Frequente - [RAR] = Rara.
N_{Ed}, $M_{Ed,3}$, $M_{Ed,2}$ Sollecitazioni di progetto.
$\sigma_{ct,f}$ Tensione massima di trazione nel calcestruzzo per la fessurazione, calcolata nell'ipotesi di calcestruzzo resistente a trazione. Se tale valore è maggiore di σ_t la sezione è soggetta a fessurazione.
N.B. I valori negativi indicano una sezione interamente compressa. In tal caso le sollecitazioni forniscono il minimo valore di compressione.
σ_t Tensione massima di trazione nel calcestruzzo relativa allo stato limite di formazione delle fessure [relazione (4.1.13) del § 4.1.2.2.4 del DM 2018].
ε_{sm} Deformazione unitaria media delle barre di armatura.
A_e Area efficace del calcestruzzo teso.
Δ_{sm} Distanza media tra le fessure.
W_d Valore di calcolo di apertura massima delle fessure.
W_{amm} Valore ammissibile di apertura delle fessure.
CS Coefficiente di Sicurezza (=W_d / W_{amm}). [NS] = Non Significativo (CS ≥ 100). [-] = Fessurazioni nulle (W_d = 0).
Verificato [SI] = $W_d \leq W_{amm}$; [NO] = $W_d > W_{amm}$

VERIFICHE CARICO LIMITE FONDAZIONI DIRETTE (Fondazione)

Verifiche Carico Limite fondazioni dirette allo SLU

Id_{Fnd}	CS	L_X	L_Y	Rtz	$Z_{P.cmp}$	Z_{Fld}	Cmp T	C. Terzaghi						Q_{Ed}	Q_{Rd}	R_f
								per N_q	per N_c	per N_γ	N_q	N_c	N_γ			
		[m]	[m]	[°]	[m]	[m]								[N/mm²]	[N/mm²]	
Trave 15-16	13,29	3,75	0,90	0,00	0,55	-	Coesivo	1,00	1,30	0,00	1,00	5,14	0,00	0,033	0,441	NO
Trave 16-17	12,99	4,48	0,90	0,00	0,55	-	Coesivo	1,00	1,30	0,00	1,00	5,14	0,00	0,034	0,439	NO
Trave 14-15	13,05	3,52	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,034	0,443	NO
Trave 9-14	9,46	3,96	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,047	0,443	NO
Trave 1-5	8,76	2,56	0,90	0,00	0,55	-	Coesivo	1,00	1,34	0,00	1,00	5,14	0,00	0,052	0,453	NO
Trave 5-9	7,16	2,68	0,90	0,00	0,55	-	Coesivo	1,00	1,34	0,00	1,00	5,14	0,00	0,063	0,452	NO
Trave 12-13	2,95	0,67	0,90	0,00	0,55	-	Coesivo	1,00	1,37	0,00	1,00	5,14	0,00	0,157	0,463	NO
Trave 10-15	11,02	3,96	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,040	0,443	NO
Trave 2b-2	3,36	1,30	0,90	0,00	0,55	-	Coesivo	1,00	1,35	0,00	1,00	5,14	0,00	0,136	0,456	NO
Trave 2-6	6,71	2,56	0,90	0,00	0,55	-	Coesivo	1,00	1,35	0,00	1,00	5,14	0,00	0,068	0,457	NO
Trave 6-10	6,94	2,68	0,90	0,00	0,55	-	Coesivo	1,00	1,34	0,00	1,00	5,14	0,00	0,065	0,452	NO
Trave 11-16	9,11	3,96	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,049	0,444	NO
Trave 3-7	5,27	2,56	0,90	0,00	0,55	-	Coesivo	1,00	1,36	0,00	1,00	5,14	0,00	0,087	0,458	NO
Trave 7-11	5,45	2,68	0,90	0,00	0,55	-	Coesivo	1,00	1,34	0,00	1,00	5,14	0,00	0,083	0,453	NO
Trave 3b-3	2,38	1,30	0,90	0,00	0,55	-	Coesivo	1,00	1,33	0,00	1,00	5,14	0,00	0,190	0,451	NO
Trave 12-17	11,77	3,96	0,90	0,00	0,55	-	Coesivo	1,00	1,30	0,00	1,00	5,14	0,00	0,038	0,441	NO
Trave 8-13	6,69	2,68	0,90	0,00	0,55	-	Coesivo	1,00	1,37	0,00	1,00	5,14	0,00	0,069	0,465	NO
Trave 4-8	6,94	2,56	0,90	0,00	0,55	-	Coesivo	1,00	1,35	0,00	1,00	5,14	0,00	0,066	0,458	NO
Trave 4b-4	2,48	1,30	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,178	0,443	NO
Trave 1b-1	2,20	1,30	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,201	0,442	NO
Trave 3-4	14,96	5,15	0,90	0,00	0,55	-	Coesivo	1,00	1,29	0,00	1,00	5,14	0,00	0,029	0,436	NO
Trave 1-2	13,44	3,51	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,033	0,442	NO
Trave 2-3	12,22	3,75	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,036	0,442	NO
Trave 9-10	8,80	3,51	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,050	0,443	NO
Trave 11-12	9,85	4,48	0,90	0,00	0,55	-	Coesivo	1,00	1,30	0,00	1,00	5,14	0,00	0,045	0,441	NO
Trave 10-11	9,07	3,75	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,049	0,442	NO

LEGENDA:

Id_{Fnd} Descrizione dell'oggetto di fondazione al quale è riferita la verifica.
CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).
$L_{X/Y}$ Dimensioni dell'elemento di fondazione.
Rtz Angolo compreso tra l'asse X e il lato più lungo del minimo rettangolo che delimita il poligono della platea.
$Z_{P.cmp}$ Profondità di posa dell'elemento di fondazione dal piano campagna.
Z_{Fld} Profondità della falda dal piano campagna.
Cmp T Classificazione del comportamento del terreno ai fini del calcolo.
C. Terzaghi Coefficienti correttivi per la formula di Terzaghi.
Q_{Ed} Carico di progetto sul terreno.
Q_{Rd} Resistenza di progetto del terreno.
R_f [SI] = elemento con presenza di rinforzo; [NO] = elemento senza rinforzo.

VERIFICHE CARICO LIMITE FONDAZIONI DIRETTE ALLO SLD (Fondazione)

Verifiche Carico Limite fondazioni dirette allo SLD

Id_{Fnd}	CS	L_X	L_Y	Rtz	$Z_{P.cmp}$	Z_{Fld}	Cmp T	C. Terzaghi						Q_{Ed}	Q_{Rd}	R_f
								per N_q	per N_c	per N_γ	N_q	N_c	N_γ			
		[m]	[m]	[°]	[m]	[m]								[N/mm²]	[N/mm²]	
Trave 15-16	26,67	3,75	0,90	0,00	0,55	-	Coesivo	1,00	1,30	0,00	1,00	5,14	0,00	0,021	0,564	NO
Trave 16-17	26,09	4,48	0,90	0,00	0,55	-	Coesivo	1,00	1,30	0,00	1,00	5,14	0,00	0,021	0,561	NO
Trave 14-15	26,22	3,52	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,022	0,566	NO
Trave 9-14	19,49	3,96	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,029	0,566	NO
Trave 1-5	18,05	2,56	0,90	0,00	0,55	-	Coesivo	1,00	1,34	0,00	1,00	5,14	0,00	0,032	0,579	NO
Trave 5-9	14,93	2,68	0,90	0,00	0,55	-	Coesivo	1,00	1,33	0,00	1,00	5,14	0,00	0,039	0,577	NO
Trave 12-13	6,29	0,67	0,90	0,00	0,55	-	Coesivo	1,00	1,37	0,00	1,00	5,14	0,00	0,094	0,593	NO
Trave 10-15	22,45	3,96	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,025	0,566	NO
Trave 2b-2	7,96	1,30	0,90	0,00	0,55	-	Coesivo	1,00	1,36	0,00	1,00	5,14	0,00	0,074	0,590	NO
Trave 2-6	14,11	2,56	0,90	0,00	0,55	-	Coesivo	1,00	1,35	0,00	1,00	5,14	0,00	0,041	0,584	NO
Trave 6-10	14,56	2,68	0,90	0,00	0,55	-	Coesivo	1,00	1,33	0,00	1,00	5,14	0,00	0,040	0,576	NO
Trave 11-16	18,80	3,96	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,030	0,567	NO
Trave 3-7	11,12	2,56	0,90	0,00	0,55	-	Coesivo	1,00	1,35	0,00	1,00	5,14	0,00	0,053	0,585	NO
Trave 7-11	11,46	2,68	0,90	0,00	0,55	-	Coesivo	1,00	1,34	0,00	1,00	5,14	0,00	0,050	0,578	NO
Trave 3b-3	5,68	1,30	0,90	0,00	0,55	-	Coesivo	1,00	1,35	0,00	1,00	5,14	0,00	0,102	0,582	NO
Trave 12-17	23,83	3,96	0,90	0,00	0,55	-	Coesivo	1,00	1,30	0,00	1,00	5,14	0,00	0,024	0,564	NO
Trave 8-13	14,10	2,68	0,90	0,00	0,55	-	Coesivo	1,00	1,37	0,00	1,00	5,14	0,00	0,042	0,592	NO
Trave 4-8	14,46	2,56	0,90	0,00	0,55	-	Coesivo	1,00	1,35	0,00	1,00	5,14	0,00	0,040	0,585	NO
Trave 4b-4	6,28	1,30	0,90	0,00	0,55	-	Coesivo	1,00	1,34	0,00	1,00	5,14	0,00	0,092	0,578	NO
Trave 1b-1	5,62	1,30	0,90	0,00	0,55	-	Coesivo	1,00	1,33	0,00	1,00	5,14	0,00	0,102	0,576	NO
Trave 3-4	29,78	5,15	0,90	0,00	0,55	-	Coesivo	1,00	1,29	0,00	1,00	5,14	0,00	0,019	0,558	NO
Trave 1-2	26,95	3,51	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,021	0,565	NO
Trave 2-3	24,79	3,75	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,023	0,564	NO
Trave 9-10	18,15	3,51	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,031	0,567	NO
Trave 11-12	20,20	4,48	0,90	0,00	0,55	-	Coesivo	1,00	1,30	0,00	1,00	5,14	0,00	0,028	0,564	NO
Trave 10-11	18,73	3,75	0,90	0,00	0,55	-	Coesivo	1,00	1,31	0,00	1,00	5,14	0,00	0,030	0,565	NO

LEGENDA:

Id_{Fnd} Descrizione dell'oggetto di fondazione al quale è riferita la verifica.

CS Coefficiente di sicurezza ([NS] = Non Significativo se CS ≥ 100; [VNR]= Verifica Non Richiesta; Informazioni aggiuntive sulla condizione: [V] = statica; [E] = eccezionale; [S] = sismica; [N] = sismica non lineare).

$L_{X/Y}$ Dimensioni dell'elemento di fondazione.

Rtz Angolo compreso tra l'asse X e il lato più lungo del minimo rettangolo che delimita il poligono della platea.

$Z_{P.cmp}$ Profondità di posa dell'elemento di fondazione dal piano campagna.

Z_{Fld} Profondità della falda dal piano campagna.

Cmp T Classificazione del comportamento del terreno ai fini del calcolo.

C. Terzaghi Coefficienti correttivi per la formula di Terzaghi.

Q_{Ed} Carico di progetto sul terreno.

Q_{Rd} Resistenza di progetto del terreno.

R_f [SI] = elemento con presenza di rinforzo; [NO] = elemento senza rinforzo.

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TABULATI DI CALCOLO SCALA DI SICUREZZA

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l' azione sismica: in particolare possono essere presenti i seguenti valori:

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Amplificazione ND	Coefficiente di amplificazione q/qND delle azioni sismiche (solo per elementi progettati in campo non dissipativo)
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell'ordinata dello spettro in uso nel tratto costante

N°di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore qND ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: 1<qND=2/3*q < 1.5

Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

a) analisi sismica statica equivalente:
   - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
   - azione sismica complessiva

b) analisi sismica dinamica con spettro di risposta:
   - quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo) **,** indici di regolarità e/r secondo EC8 4.2.3.2
   - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
   - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per tamponature fragili, 7.5 per tamponature duttili, 10.0 per edifici con tamponamenti collegati elasticamente, 2 per edifici in muratura ordinaria, 3 per edifici in muratura armata, 2.5 per edifici in muratura confinata).

Note:

- I valori riportati sono già amplificati per un eventuale fattore qSLD

- Per SLO i valori devono essere inferiori ai 2/3 dei limiti sopra citati

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elestomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

1) V > 0
2) Sig s < fyk
3) Gam t < 5
4) Gam s < Gam * (caratteristica dell' elastomero)
5) Gam s < 2
6) V < 0.5 Vcr

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.417
			ordinata spettro (tratto Tb-Tc) = 0.445 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.186 s
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 2.307
			classe di duttilità CD: ND
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	0.0	-13.34	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	0.0	-5.10	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	0.0	-12.62	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	0.0	-5.10	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	0.0	-13.25	652.56	159.28	0.749	0.224	0.228

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
18.38	443.65	738.93	428.77	0.0	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.437	0.410	0.445	20.24	0.2	5024.94	59.4	2.69	3.18e-02	0.0	0.0
2	5.369	0.186	0.445	3674.07	43.4	583.45	6.9	5.13	6.06e-02	0.0	0.0
3	7.984	0.125	0.402	3670.11	43.4	458.32	5.4	28.83	0.3	0.0	0.0
4	11.780	0.085	0.355	0.57	6.69e-03	1198.05	14.2	5.25	6.20e-02	0.0	0.0
5	12.389	0.081	0.350	406.63	4.8	356.40	4.2	453.79	5.4	0.0	0.0
6	16.140	0.062	0.328	167.66	2.0	135.33	1.6	6051.72	71.5	0.0	0.0
7	18.396	0.054	0.319	4.90	5.79e-02	50.51	0.6	1491.44	17.6	0.0	0.0
8	23.117	0.043	0.306	120.56	1.4	0.52	6.17e-03	95.47	1.1	0.0	0.0
9	24.678	0.041	0.303	22.42	0.3	578.27	6.8	135.69	1.6	0.0	0.0
10	27.309	0.037	0.299	345.15	4.1	29.78	0.4	175.91	2.1	0.0	0.0
Risulta				8432.29		8415.57		8445.92			
In percentuale				99.63		99.43		99.79			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.417
			ordinata spettro (tratto Tb-Tc) = 0.445 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.194 s
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 2.254
			classe di duttilità CD: ND
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	0.0	13.34	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	0.0	5.10	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	0.0	12.62	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	0.0	5.10	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	0.0	13.25	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	0.0	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.437	0.410	0.445	6.45	7.62e-02	5017.56	59.3	2.65	3.13e-02	0.0	0.0
2	5.152	0.194	0.445	3741.72	44.2	602.45	7.1	4.68	5.53e-02	0.0	0.0
3	8.227	0.122	0.398	3641.30	43.0	385.38	4.6	35.09	0.4	0.0	0.0
4	11.535	0.087	0.357	0.38	4.43e-03	1197.87	14.2	3.46	4.09e-02	0.0	0.0
5	12.375	0.081	0.350	372.73	4.4	389.80	4.6	454.34	5.4	0.0	0.0
6	16.245	0.062	0.328	187.93	2.2	145.86	1.7	6401.71	75.6	0.0	0.0
7	18.505	0.054	0.319	0.03	3.52e-04	103.26	1.2	1151.44	13.6	0.0	0.0
8	23.590	0.042	0.305	123.43	1.5	11.72	0.1	93.71	1.1	0.0	0.0
9	25.001	0.040	0.303	12.05	0.1	550.04	6.5	82.18	1.0	0.0	0.0
10	26.934	0.037	0.299	344.37	4.1	9.88	0.1	216.03	2.6	0.0	0.0
Risulta				8430.40		8413.82		8445.30			
In percentuale				99.60		99.41		99.78			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.417
			ordinata spettro (tratto Tb-Tc) = 0.445 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.402 s
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.606
			classe di duttilità CD: ND
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	29.48	0.0	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	4.32	0.0	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	27.19	0.0	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	2.18	0.0	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	13.38	0.0	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	5.60	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.488	0.402	0.445	18.37	0.2	5093.48	60.2	2.86	3.38e-02	0.0	0.0
2	5.285	0.189	0.445	3736.12	44.1	512.25	6.1	4.38	5.18e-02	0.0	0.0
3	8.106	0.123	0.400	3606.60	42.6	388.99	4.6	32.73	0.4	0.0	0.0
4	11.493	0.087	0.358	0.59	6.95e-03	1324.02	15.6	7.68	9.07e-02	0.0	0.0
5	12.322	0.081	0.351	407.84	4.8	298.95	3.5	436.36	5.2	0.0	0.0
6	16.164	0.062	0.328	176.70	2.1	137.16	1.6	5992.14	70.8	0.0	0.0
7	18.172	0.055	0.320	3.46	4.09e-02	61.26	0.7	1572.53	18.6	0.0	0.0
8	23.494	0.043	0.306	116.60	1.4	0.34	4.05e-03	80.93	1.0	0.0	0.0
9	24.767	0.040	0.303	3.08	3.64e-02	587.19	6.9	103.00	1.2	0.0	0.0
10	26.969	0.037	0.299	361.70	4.3	7.82	9.24e-02	212.84	2.5	0.0	0.0
Risulta				8431.06		8411.45		8445.45			
In percentuale				99.61		99.38		99.78			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.417
			ordinata spettro (tratto Tb-Tc) = 0.445 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.419 s
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 1.581
			classe di duttilità CD: ND
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	-29.48	0.0	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	-4.32	0.0	350.00	51.00	1.746	0.097	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
239.00	650.64	-268.98	106.38	-27.19	0.0	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	-2.18	0.0	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	-13.38	0.0	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	-5.60	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.385	0.419	0.445	8.12	9.60e-02	4958.82	58.6	2.49	2.94e-02	0.0	0.0
2	5.258	0.190	0.445	3754.50	44.4	660.23	7.8	5.51	6.51e-02	0.0	0.0
3	8.155	0.123	0.399	3637.46	43.0	476.91	5.6	32.05	0.4	0.0	0.0
4	11.808	0.085	0.355	10.82	0.1	998.57	11.8	0.14	1.65e-03	0.0	0.0
5	12.491	0.080	0.349	352.58	4.2	502.80	5.9	484.70	5.7	0.0	0.0
6	16.219	0.062	0.328	179.58	2.1	150.10	1.8	6360.03	75.1	0.0	0.0
7	18.665	0.054	0.319	0.79	9.34e-03	84.77	1.0	1154.20	13.6	0.0	0.0
8	23.228	0.043	0.306	124.14	1.5	8.81	0.1	100.10	1.2	0.0	0.0
9	24.778	0.040	0.303	35.30	0.4	538.80	6.4	132.11	1.6	0.0	0.0
10	27.273	0.037	0.299	328.38	3.9	36.43	0.4	174.45	2.1	0.0	0.0
Risulta				8431.69		8416.23		8445.78			
In percentuale				99.62		99.44		99.78			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.353 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.186 s
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	0.0	-13.34	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	0.0	-5.10	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	0.0	-12.62	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	0.0	-5.10	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	0.0	-13.25	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	0.0	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.437	0.410	0.353	20.24	0.2	5024.94	59.4	2.69	3.18e-02	0.0	0.0
2	5.369	0.186	0.353	3674.07	43.4	583.45	6.9	5.13	6.06e-02	0.0	0.0
3	7.984	0.125	0.315	3670.11	43.4	458.32	5.4	28.83	0.3	0.0	0.0
4	11.780	0.085	0.257	0.57	6.69e-03	1198.05	14.2	5.25	6.20e-02	0.0	0.0
5	12.389	0.081	0.252	406.63	4.8	356.40	4.2	453.79	5.4	0.0	0.0
6	16.140	0.062	0.225	167.66	2.0	135.33	1.6	6051.72	71.5	0.0	0.0
7	18.396	0.054	0.214	4.90	5.79e-02	50.51	0.6	1491.44	17.6	0.0	0.0
8	23.117	0.043	0.198	120.56	1.4	0.52	6.17e-03	95.47	1.1	0.0	0.0
9	24.678	0.041	0.194	22.42	0.3	578.27	6.8	135.69	1.6	0.0	0.0
10	27.309	0.037	0.189	345.15	4.1	29.78	0.4	175.91	2.1	0.0	0.0
Risulta				8432.29		8415.57		8445.92			
In percentuale				99.63		99.43		99.79			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.353 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.194 s
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	0.0	13.34	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	0.0	5.10	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	0.0	12.62	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	0.0	5.10	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	0.0	13.25	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	0.0	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.437	0.410	0.353	6.45	7.62e-02	5017.56	59.3	2.65	3.13e-02	0.0	0.0
2	5.152	0.194	0.353	3741.72	44.2	602.45	7.1	4.68	5.53e-02	0.0	0.0
3	8.227	0.122	0.310	3641.30	43.0	385.38	4.6	35.09	0.4	0.0	0.0
4	11.535	0.087	0.260	0.38	4.43e-03	1197.87	14.2	3.46	4.09e-02	0.0	0.0
5	12.375	0.081	0.252	372.73	4.4	389.80	4.6	454.34	5.4	0.0	0.0
6	16.245	0.062	0.224	187.93	2.2	145.86	1.7	6401.71	75.6	0.0	0.0
7	18.505	0.054	0.214	0.03	3.52e-04	103.26	1.2	1151.44	13.6	0.0	0.0
8	23.590	0.042	0.197	123.43	1.5	11.72	0.1	93.71	1.1	0.0	0.0
9	25.001	0.040	0.194	12.05	0.1	550.04	6.5	82.18	1.0	0.0	0.0
10	26.934	0.037	0.190	344.37	4.1	9.88	0.1	216.03	2.6	0.0	0.0
Risulta				8430.40		8413.82		8445.30			
In percentuale				99.60		99.41		99.78			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.353 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.402 s
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	29.48	0.0	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	4.32	0.0	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	27.19	0.0	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	2.18	0.0	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	13.38	0.0	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	5.60	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.488	0.402	0.353	18.37	0.2	5093.48	60.2	2.86	3.38e-02	0.0	0.0
2	5.285	0.189	0.353	3736.12	44.1	512.25	6.1	4.38	5.18e-02	0.0	0.0
3	8.106	0.123	0.312	3606.60	42.6	388.99	4.6	32.73	0.4	0.0	0.0
4	11.493	0.087	0.261	0.59	6.95e-03	1324.02	15.6	7.68	9.07e-02	0.0	0.0
5	12.322	0.081	0.252	407.84	4.8	298.95	3.5	436.36	5.2	0.0	0.0
6	16.164	0.062	0.225	176.70	2.1	137.16	1.6	5992.14	70.8	0.0	0.0
7	18.172	0.055	0.215	3.46	4.09e-02	61.26	0.7	1572.53	18.6	0.0	0.0
8	23.494	0.043	0.197	116.60	1.4	0.34	4.05e-03	80.93	1.0	0.0	0.0
9	24.767	0.040	0.194	3.08	3.64e-02	587.19	6.9	103.00	1.2	0.0	0.0
10	26.969	0.037	0.190	361.70	4.3	7.82	9.24e-02	212.84	2.5	0.0	0.0
Risulta				8431.06		8411.45		8445.45			
In percentuale				99.61		99.38		99.78			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.353 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.419 s
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	-29.48	0.0	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	-4.32	0.0	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	-27.19	0.0	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	-2.18	0.0	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	-13.38	0.0	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	-5.60	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.385	0.419	0.353	8.12	9.60e-02	4958.82	58.6	2.49	2.94e-02	0.0	0.0
2	5.258	0.190	0.353	3754.50	44.4	660.23	7.8	5.51	6.51e-02	0.0	0.0
3	8.155	0.123	0.311	3637.46	43.0	476.91	5.6	32.05	0.4	0.0	0.0
4	11.808	0.085	0.257	10.82	0.1	998.57	11.8	0.14	1.65e-03	0.0	0.0
5	12.491	0.080	0.251	352.58	4.2	502.80	5.9	484.70	5.7	0.0	0.0
6	16.219	0.062	0.225	179.58	2.1	150.10	1.8	6360.03	75.1	0.0	0.0
7	18.665	0.054	0.213	0.79	9.34e-03	84.77	1.0	1154.20	13.6	0.0	0.0
8	23.228	0.043	0.198	124.14	1.5	8.81	0.1	100.10	1.2	0.0	0.0
9	24.778	0.040	0.194	35.30	0.4	538.80	6.4	132.11	1.6	0.0	0.0
10	27.273	0.037	0.189	328.38	3.9	36.43	0.4	174.45	2.1	0.0	0.0
Risulta				8431.69		8416.23		8445.78			
In percentuale				99.62		99.44		99.78			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.292 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.186 s

CDC	Tipo	Sigla Id	Note
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	0.0	-13.34	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	0.0	-5.10	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	0.0	-12.62	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	0.0	-5.10	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	0.0	-13.25	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	0.0	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.437	0.410	0.292	20.24	0.2	5024.94	59.4	2.69	3.18e-02	0.0	0.0
2	5.369	0.186	0.292	3674.07	43.4	583.45	6.9	5.13	6.06e-02	0.0	0.0
3	7.984	0.125	0.261	3670.11	43.4	458.32	5.4	28.83	0.3	0.0	0.0
4	11.780	0.085	0.214	0.57	6.69e-03	1198.05	14.2	5.25	6.20e-02	0.0	0.0
5	12.389	0.081	0.209	406.63	4.8	356.40	4.2	453.79	5.4	0.0	0.0
6	16.140	0.062	0.187	167.66	2.0	135.33	1.6	6051.72	71.5	0.0	0.0
7	18.396	0.054	0.178	4.90	5.79e-02	50.51	0.6	1491.44	17.6	0.0	0.0
8	23.117	0.043	0.165	120.56	1.4	0.52	6.17e-03	95.47	1.1	0.0	0.0
9	24.678	0.041	0.162	22.42	0.3	578.27	6.8	135.69	1.6	0.0	0.0
10	27.309	0.037	0.158	345.15	4.1	29.78	0.4	175.91	2.1	0.0	0.0
Risulta				8432.29		8415.57		8445.92			
In percentuale				99.63		99.43		99.79			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.292 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.194 s
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	0.0	13.34	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	0.0	5.10	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	0.0	12.62	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	0.0	5.10	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	0.0	13.25	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	0.0	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.437	0.410	0.292	6.45	7.62e-02	5017.56	59.3	2.65	3.13e-02	0.0	0.0
2	5.152	0.194	0.292	3741.72	44.2	602.45	7.1	4.68	5.53e-02	0.0	0.0
3	8.227	0.122	0.257	3641.30	43.0	385.38	4.6	35.09	0.4	0.0	0.0
4	11.535	0.087	0.216	0.38	4.43e-03	1197.87	14.2	3.46	4.09e-02	0.0	0.0
5	12.375	0.081	0.209	372.73	4.4	389.80	4.6	454.34	5.4	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
6	16.245	0.062	0.187	187.93	2.2	145.86	1.7	6401.71	75.6	0.0	0.0
7	18.505	0.054	0.178	0.03	3.52e-04	103.26	1.2	1151.44	13.6	0.0	0.0
8	23.590	0.042	0.164	123.43	1.5	11.72	0.1	93.71	1.1	0.0	0.0
9	25.001	0.040	0.161	12.05	0.1	550.04	6.5	82.18	1.0	0.0	0.0
10	26.934	0.037	0.158	344.37	4.1	9.88	0.1	216.03	2.6	0.0	0.0
Risulta				8430.40		8413.82		8445.30			
In percentuale				99.60		99.41		99.78			

CDC	Tipo	Sigla Id	Note
15	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.292 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.402 s
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	29.48	0.0	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	4.32	0.0	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	27.19	0.0	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	2.18	0.0	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	13.38	0.0	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	5.60	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.488	0.402	0.292	18.37	0.2	5093.48	60.2	2.86	3.38e-02	0.0	0.0
2	5.285	0.189	0.292	3736.12	44.1	512.25	6.1	4.38	5.18e-02	0.0	0.0
3	8.106	0.123	0.259	3606.60	42.6	388.99	4.6	32.73	0.4	0.0	0.0
4	11.493	0.087	0.217	0.59	6.95e-03	1324.02	15.6	7.68	9.07e-02	0.0	0.0
5	12.322	0.081	0.210	407.84	4.8	298.95	3.5	436.36	5.2	0.0	0.0
6	16.164	0.062	0.187	176.70	2.1	137.16	1.6	5992.14	70.8	0.0	0.0
7	18.172	0.055	0.179	3.46	4.09e-02	61.26	0.7	1572.53	18.6	0.0	0.0
8	23.494	0.043	0.164	116.60	1.4	0.34	4.05e-03	80.93	1.0	0.0	0.0
9	24.767	0.040	0.162	3.08	3.64e-02	587.19	6.9	103.00	1.2	0.0	0.0
10	26.969	0.037	0.158	361.70	4.3	7.82	9.24e-02	212.84	2.5	0.0	0.0
Risulta				8431.06		8411.45		8445.45			
In percentuale				99.61		99.38		99.78			

CDC	Tipo	Sigla Id	Note
16	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.292 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.419 s
			numero di modi considerati: 10
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
478.00	3682.01	-208.08	80.94	-29.48	0.0	-325.43	92.55	0.875	0.487	0.066
257.38	1523.92	358.27	51.00	-4.32	0.0	350.00	51.00	1.746	0.097	0.0
239.00	650.64	-268.98	106.38	-27.19	0.0	-325.43	92.55	1.020	0.234	0.079
165.46	403.00	531.56	46.50	-2.18	0.0	549.12	51.00	2.575	0.099	0.088
128.69	1760.76	673.67	181.08	-13.38	0.0	652.56	159.28	0.749	0.224	0.228
18.38	443.65	738.93	428.77	-5.60	0.0	738.93	428.77	3.000	0.0	0.0
Risulta	8463.99									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	2.385	0.419	0.292	8.12	9.60e-02	4958.82	58.6	2.49	2.94e-02	0.0	0.0
2	5.258	0.190	0.292	3754.50	44.4	660.23	7.8	5.51	6.51e-02	0.0	0.0
3	8.155	0.123	0.258	3637.46	43.0	476.91	5.6	32.05	0.4	0.0	0.0
4	11.808	0.085	0.214	10.82	0.1	998.57	11.8	0.14	1.65e-03	0.0	0.0
5	12.491	0.080	0.208	352.58	4.2	502.80	5.9	484.70	5.7	0.0	0.0
6	16.219	0.062	0.187	179.58	2.1	150.10	1.8	6360.03	75.1	0.0	0.0
7	18.665	0.054	0.177	0.79	9.34e-03	84.77	1.0	1154.20	13.6	0.0	0.0
8	23.228	0.043	0.165	124.14	1.5	8.81	0.1	100.10	1.2	0.0	0.0
9	24.778	0.040	0.162	35.30	0.4	538.80	6.4	132.11	1.6	0.0	0.0
10	27.273	0.037	0.158	328.38	3.9	36.43	0.4	174.45	2.1	0.0	0.0
Risulta				8431.69		8416.23		8445.78			
In percentuale				99.62		99.44		99.78			

Cmb h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
43	2	1.99	0.48	239.0	7	0.10	0.01	128.7	18	1.02	0.24	239.0
	21	0.44	8.03e-03	18.4	22	0.11	0.01	128.7	24	0.18	0.05	257.4
	25	0.44	0.11	257.4	31	0.77	0.18	239.0	34	0.60	0.14	239.0
	35	0.65	0.15	239.0	41	0.47	8.68e-03	18.4	47	1.12	0.27	239.0
	48	1.05	0.25	239.0	49	1.00	0.24	239.0	50	1.02	0.24	239.0
	54	0.09	0.01	128.7	57	2.43	0.09	36.8	59	2.21	0.53	239.0
	60	1.13	0.27	239.0	64	0.74	0.18	239.0	65	2.49	0.09	36.8
	68	0.10	0.01	128.7								
44	2	0.85	0.20	239.0	7	0.83	0.11	128.7	18	1.12	0.27	239.0
	21	1.07	0.02	18.4	22	0.64	0.08	128.7	24	1.29	0.33	257.4
	25	1.30	0.33	257.4	31	1.01	0.24	239.0	34	1.07	0.26	239.0
	35	1.10	0.26	239.0	41	0.92	0.02	18.4	47	1.49	0.36	239.0
	48	1.14	0.27	239.0	49	1.07	0.26	239.0	50	1.09	0.26	239.0
	54	0.76	0.10	128.7	57	2.76	0.10	36.8	59	0.31	0.08	239.0
	60	1.35	0.32	239.0	64	1.00	0.24	239.0	65	2.76	0.10	36.8
	68	0.61	0.08	128.7								
45	2	1.13	0.27	239.0	7	1.38	0.18	128.7	18	1.62	0.39	239.0
	21	1.38	0.03	18.4	22	1.13	0.15	128.7	24	1.59	0.41	257.4
	25	1.58	0.41	257.4	31	1.40	0.34	239.0	34	1.56	0.37	239.0
	35	1.59	0.38	239.0	41	1.33	0.02	18.4	47	1.89	0.45	239.0
	48	1.62	0.39	239.0	49	1.53	0.37	239.0	50	1.56	0.37	239.0
	54	1.33	0.17	128.7	57	1.78	0.07	36.8	59	0.92	0.22	239.0
	60	1.95	0.47	239.0	64	1.40	0.34	239.0	65	1.84	0.07	36.8
	68	1.13	0.15	128.7								
46	2	1.62	0.39	239.0	7	0.63	0.08	128.7	18	0.63	0.15	239.0
	21	0.61	0.01	18.4	22	0.54	0.07	128.7	24	0.44	0.11	257.4
	25	0.64	0.17	257.4	31	0.43	0.10	239.0	34	0.34	0.08	239.0
	35	0.50	0.12	239.0	41	0.58	0.01	18.4	47	0.87	0.21	239.0
	48	0.69	0.17	239.0	49	0.57	0.14	239.0	50	0.64	0.15	239.0
	54	0.69	0.09	128.7	57	1.43	0.05	36.8	59	1.68	0.40	239.0
	60	0.87	0.21	239.0	64	0.38	0.09	239.0	65	1.63	0.06	36.8
	68	0.56	0.07	128.7								
47	2	2.13	0.51	239.0	7	0.13	0.02	128.7	18	1.07	0.25	239.0
	21	0.35	6.42e-03	18.4	22	0.13	0.02	128.7	24	0.18	0.05	257.4
	25	0.42	0.11	257.4	31	0.77	0.18	239.0	34	0.59	0.14	239.0
	35	0.63	0.15	239.0	41	0.45	8.32e-03	18.4	47	1.20	0.29	239.0
	48	1.09	0.26	239.0	49	1.03	0.25	239.0	50	1.06	0.25	239.0
	54	0.12	0.01	128.7	57	2.48	0.09	36.8	59	2.29	0.55	239.0

	60	1.21	0.29	239.0	64	0.74	0.18	239.0	65	2.53	0.09	36.8
	68	0.12	0.02	128.7								
48	2	0.68	0.16	239.0	7	0.80	0.10	128.7	18	1.16	0.28	239.0
	21	0.99	0.02	18.4	22	0.62	0.08	128.7	24	1.25	0.32	257.4
	25	1.28	0.33	257.4	31	1.01	0.24	239.0	34	1.06	0.25	239.0
	35	1.09	0.26	239.0	41	0.90	0.02	18.4	47	1.55	0.37	239.0
	48	1.18	0.28	239.0	49	1.11	0.26	239.0	50	1.13	0.27	239.0
	54	0.73	0.09	128.7	57	2.71	0.10	36.8	59	0.35	0.08	239.0
	60	1.41	0.34	239.0	64	1.00	0.24	239.0	65	2.70	0.10	36.8
	68	0.59	0.08	128.7								
49	2	1.03	0.25	239.0	7	1.36	0.17	128.7	18	1.66	0.40	239.0
	21	1.30	0.02	18.4	22	1.11	0.14	128.7	24	1.55	0.40	257.4
	25	1.55	0.40	257.4	31	1.41	0.34	239.0	34	1.55	0.37	239.0
	35	1.58	0.38	239.0	41	1.31	0.02	18.4	47	1.95	0.47	239.0
	48	1.66	0.40	239.0	49	1.57	0.38	239.0	50	1.60	0.38	239.0
	54	1.31	0.17	128.7	57	1.73	0.06	36.8	59	0.98	0.23	239.0
	60	2.00	0.48	239.0	64	1.40	0.33	239.0	65	1.79	0.07	36.8
	68	1.12	0.14	128.7								
50	2	1.77	0.42	239.0	7	0.64	0.08	128.7	18	0.66	0.16	239.0
	21	0.57	0.01	18.4	22	0.56	0.07	128.7	24	0.46	0.12	257.4
	25	0.64	0.16	257.4	31	0.43	0.10	239.0	34	0.33	0.08	239.0
	35	0.49	0.12	239.0	41	0.57	0.01	18.4	47	0.94	0.22	239.0
	48	0.72	0.17	239.0	49	0.60	0.14	239.0	50	0.67	0.16	239.0
	54	0.71	0.09	128.7	57	1.48	0.05	36.8	59	1.76	0.42	239.0
	60	0.93	0.22	239.0	64	0.38	0.09	239.0	65	1.67	0.06	36.8
	68	0.57	0.07	128.7								
51	2	1.97	0.47	239.0	7	0.23	0.03	128.7	18	1.11	0.26	239.0
	21	0.17	3.17e-03	18.4	22	0.20	0.03	128.7	24	0.18	0.05	257.4
	25	0.45	0.11	257.4	31	0.78	0.19	239.0	34	0.60	0.14	239.0
	35	0.66	0.16	239.0	41	0.44	8.15e-03	18.4	47	1.91	0.46	239.0
	48	1.13	0.27	239.0	49	1.03	0.25	239.0	50	1.06	0.25	239.0
	54	0.21	0.03	128.7	57	2.55	0.09	36.8	59	2.19	0.52	239.0
	60	2.05	0.49	239.0	64	0.75	0.18	239.0	65	2.59	0.10	36.8
	68	0.19	0.02	128.7								
52	2	0.88	0.21	239.0	7	0.75	0.10	128.7	18	1.04	0.25	239.0
	21	0.49	8.93e-03	18.4	22	0.59	0.08	128.7	24	1.32	0.34	257.4
	25	1.34	0.34	257.4	31	1.00	0.24	239.0	34	1.07	0.25	239.0
	35	1.11	0.26	239.0	41	0.95	0.02	18.4	47	0.73	0.17	239.0
	48	1.06	0.25	239.0	49	1.04	0.25	239.0	50	1.07	0.26	239.0
	54	0.70	0.09	128.7	57	2.87	0.11	36.8	59	0.35	0.08	239.0
	60	0.49	0.12	239.0	64	1.00	0.24	239.0	65	2.87	0.11	36.8
	68	0.57	0.07	128.7								
53	2	1.16	0.28	239.0	7	1.32	0.17	128.7	18	1.55	0.37	239.0
	21	0.96	0.02	18.4	22	1.10	0.14	128.7	24	1.62	0.42	257.4
	25	1.61	0.41	257.4	31	1.40	0.33	239.0	34	1.55	0.37	239.0
	35	1.59	0.38	239.0	41	1.36	0.03	18.4	47	1.09	0.26	239.0
	48	1.55	0.37	239.0	49	1.50	0.36	239.0	50	1.53	0.37	239.0
	54	1.30	0.17	128.7	57	1.90	0.07	36.8	59	0.96	0.23	239.0
	60	1.04	0.25	239.0	64	1.40	0.33	239.0	65	1.96	0.07	36.8
	68	1.11	0.14	128.7								
54	2	1.60	0.38	239.0	7	0.72	0.09	128.7	18	0.70	0.17	239.0
	21	0.65	0.01	18.4	22	0.62	0.08	128.7	24	0.47	0.12	257.4
	25	0.67	0.17	257.4	31	0.45	0.11	239.0	34	0.33	0.08	239.0
	35	0.52	0.12	239.0	41	0.58	0.01	18.4	47	1.56	0.37	239.0
	48	0.77	0.18	239.0	49	0.60	0.14	239.0	50	0.68	0.16	239.0
	54	0.76	0.10	128.7	57	1.55	0.06	36.8	59	1.67	0.40	239.0
	60	1.59	0.38	239.0	64	0.40	0.09	239.0	65	1.73	0.06	36.8
	68	0.63	0.08	128.7								
55	2	2.11	0.50	239.0	7	0.25	0.03	128.7	18	1.15	0.27	239.0
	21	0.20	3.62e-03	18.4	22	0.22	0.03	128.7	24	0.19	0.05	257.4
	25	0.43	0.11	257.4	31	0.78	0.19	239.0	34	0.59	0.14	239.0
	35	0.65	0.15	239.0	41	0.42	7.79e-03	18.4	47	1.99	0.47	239.0
	48	1.17	0.28	239.0	49	1.07	0.26	239.0	50	1.10	0.26	239.0
	54	0.22	0.03	128.7	57	2.60	0.10	36.8	59	2.28	0.54	239.0
	60	2.13	0.51	239.0	64	0.76	0.18	239.0	65	2.64	0.10	36.8
	68	0.21	0.03	128.7								
56	2	0.71	0.17	239.0	7	0.74	0.10	128.7	18	1.08	0.26	239.0
	21	0.46	8.51e-03	18.4	22	0.58	0.07	128.7	24	1.29	0.33	257.4
	25	1.31	0.34	257.4	31	1.01	0.24	239.0	34	1.06	0.25	239.0
	35	1.10	0.26	239.0	41	0.93	0.02	18.4	47	0.76	0.18	239.0
	48	1.11	0.26	239.0	49	1.07	0.26	239.0	50	1.11	0.26	239.0
	54	0.69	0.09	128.7	57	2.82	0.10	36.8	59	0.39	0.09	239.0

	60	0.51	0.12	239.0	64	1.00	0.24	239.0	65	2.81	0.10	36.8
	68	0.55	0.07	128.7								
57	2	1.06	0.25	239.0	7	1.31	0.17	128.7	18	1.59	0.38	239.0
	21	0.94	0.02	18.4	22	1.09	0.14	128.7	24	1.59	0.41	257.4
	25	1.59	0.41	257.4	31	1.40	0.33	239.0	34	1.54	0.37	239.0
	35	1.58	0.38	239.0	41	1.35	0.02	18.4	47	1.14	0.27	239.0
	48	1.59	0.38	239.0	49	1.54	0.37	239.0	50	1.57	0.38	239.0
	54	1.28	0.16	128.7	57	1.85	0.07	36.8	59	1.01	0.24	239.0
	60	1.08	0.26	239.0	64	1.40	0.33	239.0	65	1.90	0.07	36.8
	68	1.10	0.14	128.7								
58	2	1.75	0.42	239.0	7	0.73	0.09	128.7	18	0.74	0.18	239.0
	21	0.66	0.01	18.4	22	0.63	0.08	128.7	24	0.49	0.13	257.4
	25	0.66	0.17	257.4	31	0.45	0.11	239.0	34	0.32	0.08	239.0
	35	0.51	0.12	239.0	41	0.58	0.01	18.4	47	1.64	0.39	239.0
	48	0.80	0.19	239.0	49	0.63	0.15	239.0	50	0.71	0.17	239.0
	54	0.77	0.10	128.7	57	1.60	0.06	36.8	59	1.75	0.42	239.0
	60	1.67	0.40	239.0	64	0.40	0.10	239.0	65	1.76	0.06	36.8
	68	0.64	0.08	128.7								
59	2	4.47	1.07	239.0	7	0.79	0.10	128.7	18	3.69	0.88	239.0
	21	0.59	0.01	18.4	22	0.52	0.07	128.7	24	1.76	0.45	257.4
	25	1.66	0.43	257.4	31	2.90	0.69	239.0	34	2.84	0.68	239.0
	35	2.83	0.68	239.0	41	0.73	0.01	18.4	47	4.01	0.96	239.0
	48	3.67	0.88	239.0	49	3.52	0.84	239.0	50	3.52	0.84	239.0
	54	0.95	0.12	128.7	57	0.71	0.03	36.8	59	4.42	1.06	239.0
	60	3.93	0.94	239.0	64	2.91	0.70	239.0	65	1.41	0.05	36.8
	68	0.58	0.07	128.7								
60	2	3.79	0.91	239.0	7	1.01	0.13	128.7	18	3.38	0.81	239.0
	21	1.26	0.02	18.4	22	0.74	0.10	128.7	24	2.03	0.52	257.4
	25	1.96	0.50	257.4	31	2.70	0.64	239.0	34	2.66	0.64	239.0
	35	2.66	0.64	239.0	41	0.85	0.02	18.4	47	3.86	0.92	239.0
	48	3.37	0.81	239.0	49	3.22	0.77	239.0	50	3.22	0.77	239.0
	54	0.91	0.12	128.7	57	1.69	0.06	36.8	59	3.38	0.81	239.0
	60	3.61	0.86	239.0	64	2.71	0.65	239.0	65	2.04	0.08	36.8
	68	0.75	0.10	128.7								
61	2	4.23	1.01	239.0	7	1.57	0.20	128.7	18	3.86	0.92	239.0
	21	1.59	0.03	18.4	22	1.22	0.16	128.7	24	2.31	0.59	257.4
	25	2.19	0.56	257.4	31	3.10	0.74	239.0	34	3.13	0.75	239.0
	35	3.11	0.74	239.0	41	1.26	0.02	18.4	47	4.25	1.02	239.0
	48	3.84	0.92	239.0	49	3.68	0.88	239.0	50	3.68	0.88	239.0
	54	1.49	0.19	128.7	57	0.82	0.03	36.8	59	4.00	0.96	239.0
	60	4.18	1.00	239.0	64	3.11	0.74	239.0	65	1.37	0.05	36.8
	68	1.28	0.16	128.7								
62	2	4.13	0.99	239.0	7	0.29	0.04	128.7	18	3.21	0.77	239.0
	21	0.54	0.01	18.4	22	0.26	0.03	128.7	24	1.49	0.38	257.4
	25	1.46	0.38	257.4	31	2.50	0.60	239.0	34	2.39	0.57	239.0
	35	2.39	0.57	239.0	41	0.80	0.01	18.4	47	3.62	0.86	239.0
	48	3.21	0.77	239.0	49	3.06	0.73	239.0	50	3.06	0.73	239.0
	54	0.32	0.04	128.7	57	0.44	0.02	36.8	59	3.83	0.92	239.0
	60	3.40	0.81	239.0	64	2.51	0.60	239.0	65	0.97	0.04	36.8
	68	0.13	0.02	128.7								
63	2	4.47	1.07	239.0	7	0.86	0.11	128.7	18	3.71	0.89	239.0
	21	0.62	0.01	18.4	22	0.60	0.08	128.7	24	1.75	0.45	257.4
	25	1.65	0.43	257.4	31	2.91	0.69	239.0	34	2.84	0.68	239.0
	35	2.83	0.68	239.0	41	0.71	0.01	18.4	47	4.27	1.02	239.0
	48	3.70	0.88	239.0	49	3.53	0.84	239.0	50	3.53	0.84	239.0
	54	1.00	0.13	128.7	57	0.73	0.03	36.8	59	4.42	1.06	239.0
	60	4.23	1.01	239.0	64	2.91	0.70	239.0	65	1.41	0.05	36.8
	68	0.64	0.08	128.7								
64	2	3.80	0.91	239.0	7	0.93	0.12	128.7	18	3.36	0.80	239.0
	21	0.50	9.22e-03	18.4	22	0.65	0.08	128.7	24	2.04	0.53	257.4
	25	1.97	0.51	257.4	31	2.70	0.64	239.0	34	2.66	0.64	239.0
	35	2.66	0.64	239.0	41	0.83	0.02	18.4	47	3.59	0.86	239.0
	48	3.35	0.80	239.0	49	3.21	0.77	239.0	50	3.21	0.77	239.0
	54	0.83	0.11	128.7	57	1.72	0.06	36.8	59	3.39	0.81	239.0
	60	3.32	0.79	239.0	64	2.71	0.65	239.0	65	2.07	0.08	36.8
	68	0.68	0.09	128.7								
65	2	4.25	1.01	239.0	7	1.51	0.19	128.7	18	3.84	0.92	239.0
	21	0.95	0.02	18.4	22	1.15	0.15	128.7	24	2.32	0.60	257.4
	25	2.21	0.57	257.4	31	3.10	0.74	239.0	34	3.13	0.75	239.0
	35	3.11	0.74	239.0	41	1.24	0.02	18.4	47	3.99	0.95	239.0
	48	3.82	0.91	239.0	49	3.67	0.88	239.0	50	3.67	0.88	239.0
	54	1.43	0.18	128.7	57	0.85	0.03	36.8	59	4.01	0.96	239.0

	60	3.88	0.93	239.0	64	3.11	0.74	239.0	65	1.40	0.05	36.8
	68	1.22	0.16	128.7								
66	2	4.12	0.99	239.0	7	0.39	0.05	128.7	18	3.24	0.77	239.0
	21	0.24	4.45e-03	18.4	22	0.34	0.04	128.7	24	1.48	0.38	257.4
	25	1.45	0.37	257.4	31	2.50	0.60	239.0	34	2.39	0.57	239.0
	35	2.39	0.57	239.0	41	0.77	0.01	18.4	47	3.88	0.93	239.0
	48	3.24	0.77	239.0	49	3.07	0.73	239.0	50	3.07	0.73	239.0
	54	0.40	0.05	128.7	57	0.41	0.01	36.8	59	3.82	0.91	239.0
	60	3.69	0.88	239.0	64	2.51	0.60	239.0	65	0.93	0.03	36.8
	68	0.23	0.03	128.7								
67	2	4.75	1.14	239.0	7	0.73	0.09	128.7	18	3.83	0.91	239.0
	21	0.63	0.01	18.4	22	0.47	0.06	128.7	24	1.66	0.43	257.4
	25	1.58	0.41	257.4	31	2.91	0.69	239.0	34	2.81	0.67	239.0
	35	2.79	0.67	239.0	41	0.82	0.02	18.4	47	4.25	1.01	239.0
	48	3.81	0.91	239.0	49	3.65	0.87	239.0	50	3.65	0.87	239.0
	54	0.91	0.12	128.7	57	0.85	0.03	36.8	59	4.69	1.12	239.0
	60	4.18	1.00	239.0	64	2.91	0.70	239.0	65	1.35	0.05	36.8
	68	0.53	0.07	128.7								
68	2	4.02	0.96	239.0	7	0.95	0.12	128.7	18	3.52	0.84	239.0
	21	1.18	0.02	18.4	22	0.69	0.09	128.7	24	1.94	0.50	257.4
	25	1.88	0.48	257.4	31	2.70	0.65	239.0	34	2.63	0.63	239.0
	35	2.62	0.63	239.0	41	0.75	0.01	18.4	47	4.09	0.98	239.0
	48	3.51	0.84	239.0	49	3.35	0.80	239.0	50	3.35	0.80	239.0
	54	0.85	0.11	128.7	57	1.52	0.06	36.8	59	3.65	0.87	239.0
	60	3.85	0.92	239.0	64	2.71	0.65	239.0	65	1.80	0.07	36.8
	68	0.68	0.09	128.7								
69	2	4.40	1.05	239.0	7	1.52	0.20	128.7	18	4.00	0.96	239.0
	21	1.51	0.03	18.4	22	1.17	0.15	128.7	24	2.21	0.57	257.4
	25	2.12	0.54	257.4	31	3.10	0.74	239.0	34	3.09	0.74	239.0
	35	3.08	0.74	239.0	41	1.16	0.02	18.4	47	4.48	1.07	239.0
	48	3.98	0.95	239.0	49	3.81	0.91	239.0	50	3.81	0.91	239.0
	54	1.44	0.18	128.7	57	0.68	0.03	36.8	59	4.27	1.02	239.0
	60	4.41	1.05	239.0	64	3.11	0.74	239.0	65	1.14	0.04	36.8
	68	1.22	0.16	128.7								
70	2	4.38	1.05	239.0	7	0.23	0.03	128.7	18	3.35	0.80	239.0
	21	0.63	0.01	18.4	22	0.24	0.03	128.7	24	1.40	0.36	257.4
	25	1.37	0.35	257.4	31	2.50	0.60	239.0	34	2.35	0.56	239.0
	35	2.35	0.56	239.0	41	0.91	0.02	18.4	47	3.86	0.92	239.0
	48	3.35	0.80	239.0	49	3.19	0.76	239.0	50	3.19	0.76	239.0
	54	0.27	0.03	128.7	57	0.27	0.01	36.8	59	4.11	0.98	239.0
	60	3.65	0.87	239.0	64	2.51	0.60	239.0	65	0.74	0.03	36.8
	68	0.10	0.01	128.7								
71	2	4.74	1.13	239.0	7	0.80	0.10	128.7	18	3.85	0.92	239.0
	21	0.56	0.01	18.4	22	0.55	0.07	128.7	24	1.65	0.43	257.4
	25	1.57	0.40	257.4	31	2.91	0.70	239.0	34	2.81	0.67	239.0
	35	2.79	0.67	239.0	41	0.79	0.01	18.4	47	4.50	1.08	239.0
	48	3.84	0.92	239.0	49	3.66	0.87	239.0	50	3.66	0.87	239.0
	54	0.95	0.12	128.7	57	0.88	0.03	36.8	59	4.69	1.12	239.0
	60	4.48	1.07	239.0	64	2.91	0.70	239.0	65	1.36	0.05	36.8
	68	0.58	0.07	128.7								
72	2	4.03	0.96	239.0	7	0.87	0.11	128.7	18	3.50	0.84	239.0
	21	0.42	7.77e-03	18.4	22	0.60	0.08	128.7	24	1.95	0.50	257.4
	25	1.89	0.49	257.4	31	2.70	0.65	239.0	34	2.63	0.63	239.0
	35	2.62	0.63	239.0	41	0.72	0.01	18.4	47	3.82	0.91	239.0
	48	3.49	0.83	239.0	49	3.34	0.80	239.0	50	3.34	0.80	239.0
	54	0.77	0.10	128.7	57	1.55	0.06	36.8	59	3.66	0.87	239.0
	60	3.55	0.85	239.0	64	2.71	0.65	239.0	65	1.83	0.07	36.8
	68	0.62	0.08	128.7								
73	2	4.41	1.05	239.0	7	1.45	0.19	128.7	18	3.98	0.95	239.0
	21	0.89	0.02	18.4	22	1.10	0.14	128.7	24	2.22	0.57	257.4
	25	2.13	0.55	257.4	31	3.10	0.74	239.0	34	3.09	0.74	239.0
	35	3.08	0.74	239.0	41	1.14	0.02	18.4	47	4.22	1.01	239.0
	48	3.96	0.95	239.0	49	3.80	0.91	239.0	50	3.80	0.91	239.0
	54	1.38	0.18	128.7	57	0.71	0.03	36.8	59	4.27	1.02	239.0
	60	4.11	0.98	239.0	64	3.11	0.74	239.0	65	1.16	0.04	36.8
	68	1.17	0.15	128.7								
74	2	4.37	1.04	239.0	7	0.34	0.04	128.7	18	3.38	0.81	239.0
	21	0.17	3.09e-03	18.4	22	0.31	0.04	128.7	24	1.39	0.36	257.4
	25	1.36	0.35	257.4	31	2.51	0.60	239.0	34	2.35	0.56	239.0
	35	2.35	0.56	239.0	41	0.88	0.02	18.4	47	4.12	0.98	239.0
	48	3.37	0.81	239.0	49	3.20	0.76	239.0	50	3.20	0.76	239.0
	54	0.34	0.04	128.7	57	0.24	8.81e-03	36.8	59	4.10	0.98	239.0

	60	3.94	0.94	239.0	64	2.51	0.60	239.0	65	0.70	0.03	36.8
	68	0.18	0.02	128.7								
75	2	1.68	0.40	239.0	7	0.11	0.01	128.7	18	0.89	0.21	239.0
	21	0.38	6.92e-03	18.4	22	0.12	0.02	128.7	24	0.14	0.04	257.4
	25	0.35	0.09	257.4	31	0.67	0.16	239.0	34	0.53	0.13	239.0
	35	0.56	0.13	239.0	41	0.42	7.63e-03	18.4	47	0.95	0.23	239.0
	48	0.90	0.22	239.0	49	0.86	0.21	239.0	50	0.88	0.21	239.0
	54	0.07	9.23e-03	128.7	57	2.10	0.08	36.8	59	1.87	0.45	239.0
	60	0.97	0.23	239.0	64	0.64	0.15	239.0	65	2.13	0.08	36.8
	68	0.11	0.01	128.7								
76	2	0.68	0.16	239.0	7	0.64	0.08	128.7	18	0.88	0.21	239.0
	21	0.87	0.02	18.4	22	0.50	0.06	128.7	24	1.04	0.27	257.4
	25	1.05	0.27	257.4	31	0.80	0.19	239.0	34	0.85	0.20	239.0
	35	0.87	0.21	239.0	41	0.74	0.01	18.4	47	1.20	0.29	239.0
	48	0.90	0.21	239.0	49	0.84	0.20	239.0	50	0.86	0.21	239.0
	54	0.58	0.07	128.7	57	2.37	0.09	36.8	59	0.22	0.05	239.0
	60	1.07	0.26	239.0	64	0.80	0.19	239.0	65	2.36	0.09	36.8
	68	0.47	0.06	128.7								
77	2	0.96	0.23	239.0	7	1.19	0.15	128.7	18	1.38	0.33	239.0
	21	1.17	0.02	18.4	22	0.98	0.13	128.7	24	1.34	0.34	257.4
	25	1.33	0.34	257.4	31	1.20	0.29	239.0	34	1.33	0.32	239.0
	35	1.36	0.32	239.0	41	1.14	0.02	18.4	47	1.60	0.38	239.0
	48	1.38	0.33	239.0	49	1.31	0.31	239.0	50	1.33	0.32	239.0
	54	1.16	0.15	128.7	57	1.39	0.05	36.8	59	0.82	0.20	239.0
	60	1.66	0.40	239.0	64	1.19	0.29	239.0	65	1.44	0.05	36.8
	68	0.98	0.13	128.7								
78	2	1.31	0.31	239.0	7	0.57	0.07	128.7	18	0.49	0.12	239.0
	21	0.54	9.92e-03	18.4	22	0.50	0.06	128.7	24	0.39	0.10	257.4
	25	0.55	0.14	257.4	31	0.34	0.08	239.0	34	0.29	0.07	239.0
	35	0.42	0.10	239.0	41	0.51	9.42e-03	18.4	47	0.70	0.17	239.0
	48	0.55	0.13	239.0	49	0.44	0.10	239.0	50	0.50	0.12	239.0
	54	0.63	0.08	128.7	57	1.10	0.04	36.8	59	1.34	0.32	239.0
	60	0.71	0.17	239.0	64	0.29	0.07	239.0	65	1.28	0.05	36.8
	68	0.52	0.07	128.7								
79	2	1.79	0.43	239.0	7	0.12	0.02	128.7	18	0.92	0.22	239.0
	21	0.30	5.59e-03	18.4	22	0.13	0.02	128.7	24	0.13	0.03	257.4
	25	0.33	0.09	257.4	31	0.67	0.16	239.0	34	0.52	0.12	239.0
	35	0.55	0.13	239.0	41	0.40	7.32e-03	18.4	47	1.02	0.24	239.0
	48	0.94	0.22	239.0	49	0.89	0.21	239.0	50	0.91	0.22	239.0
	54	0.09	0.01	128.7	57	2.14	0.08	36.8	59	1.94	0.46	239.0
	60	1.04	0.25	239.0	64	0.65	0.15	239.0	65	2.17	0.08	36.8
	68	0.12	0.02	128.7								
80	2	0.53	0.13	239.0	7	0.62	0.08	128.7	18	0.92	0.22	239.0
	21	0.80	0.01	18.4	22	0.48	0.06	128.7	24	1.01	0.26	257.4
	25	1.03	0.27	257.4	31	0.80	0.19	239.0	34	0.84	0.20	239.0
	35	0.86	0.21	239.0	41	0.72	0.01	18.4	47	1.24	0.30	239.0
	48	0.93	0.22	239.0	49	0.88	0.21	239.0	50	0.89	0.21	239.0
	54	0.56	0.07	128.7	57	2.32	0.09	36.8	59	0.24	0.06	239.0
	60	1.12	0.27	239.0	64	0.79	0.19	239.0	65	2.31	0.09	36.8
	68	0.45	0.06	128.7								
81	2	0.88	0.21	239.0	7	1.17	0.15	128.7	18	1.42	0.34	239.0
	21	1.11	0.02	18.4	22	0.97	0.12	128.7	24	1.31	0.34	257.4
	25	1.31	0.34	257.4	31	1.20	0.29	239.0	34	1.32	0.32	239.0
	35	1.35	0.32	239.0	41	1.13	0.02	18.4	47	1.65	0.39	239.0
	48	1.42	0.34	239.0	49	1.34	0.32	239.0	50	1.36	0.33	239.0
	54	1.14	0.15	128.7	57	1.35	0.05	36.8	59	0.86	0.21	239.0
	60	1.71	0.41	239.0	64	1.19	0.29	239.0	65	1.40	0.05	36.8
	68	0.97	0.13	128.7								
82	2	1.44	0.34	239.0	7	0.59	0.08	128.7	18	0.52	0.12	239.0
	21	0.51	9.41e-03	18.4	22	0.51	0.07	128.7	24	0.41	0.10	257.4
	25	0.55	0.14	257.4	31	0.33	0.08	239.0	34	0.28	0.07	239.0
	35	0.41	0.10	239.0	41	0.51	9.35e-03	18.4	47	0.76	0.18	239.0
	48	0.57	0.14	239.0	49	0.46	0.11	239.0	50	0.53	0.13	239.0
	54	0.64	0.08	128.7	57	1.14	0.04	36.8	59	1.41	0.34	239.0
	60	0.76	0.18	239.0	64	0.29	0.07	239.0	65	1.30	0.05	36.8
	68	0.52	0.07	128.7								
83	2	1.66	0.40	239.0	7	0.19	0.02	128.7	18	0.95	0.23	239.0
	21	0.13	2.35e-03	18.4	22	0.17	0.02	128.7	24	0.14	0.04	257.4
	25	0.35	0.09	257.4	31	0.68	0.16	239.0	34	0.53	0.13	239.0
	35	0.57	0.14	239.0	41	0.39	7.17e-03	18.4	47	1.61	0.38	239.0
	48	0.97	0.23	239.0	49	0.89	0.21	239.0	50	0.91	0.22	239.0
	54	0.16	0.02	128.7	57	2.19	0.08	36.8	59	1.86	0.44	239.0

	60	1.74	0.42	239.0	64	0.66	0.16	239.0	65	2.22	0.08	36.8
	68	0.17	0.02	128.7								
84	2	0.71	0.17	239.0	7	0.58	0.07	128.7	18	0.82	0.20	239.0
	21	0.37	6.78e-03	18.4	22	0.45	0.06	128.7	24	1.07	0.27	257.4
	25	1.08	0.28	257.4	31	0.80	0.19	239.0	34	0.84	0.20	239.0
	35	0.87	0.21	239.0	41	0.76	0.01	18.4	47	0.57	0.14	239.0
	48	0.84	0.20	239.0	49	0.82	0.20	239.0	50	0.84	0.20	239.0
	54	0.53	0.07	128.7	57	2.46	0.09	36.8	59	0.25	0.06	239.0
	60	0.37	0.09	239.0	64	0.79	0.19	239.0	65	2.45	0.09	36.8
	68	0.43	0.05	128.7								
85	2	0.99	0.24	239.0	7	1.14	0.15	128.7	18	1.32	0.32	239.0
	21	0.84	0.02	18.4	22	0.95	0.12	128.7	24	1.37	0.35	257.4
	25	1.36	0.35	257.4	31	1.19	0.28	239.0	34	1.32	0.32	239.0
	35	1.36	0.32	239.0	41	1.17	0.02	18.4	47	0.94	0.22	239.0
	48	1.32	0.32	239.0	49	1.28	0.31	239.0	50	1.31	0.31	239.0
	54	1.13	0.14	128.7	57	1.49	0.05	36.8	59	0.85	0.20	239.0
	60	0.91	0.22	239.0	64	1.19	0.28	239.0	65	1.54	0.06	36.8
	68	0.96	0.12	128.7								
86	2	1.29	0.31	239.0	7	0.65	0.08	128.7	18	0.55	0.13	239.0
	21	0.58	0.01	18.4	22	0.56	0.07	128.7	24	0.41	0.11	257.4
	25	0.57	0.15	257.4	31	0.35	0.08	239.0	34	0.28	0.07	239.0
	35	0.44	0.11	239.0	41	0.52	9.51e-03	18.4	47	1.26	0.30	239.0
	48	0.61	0.15	239.0	49	0.46	0.11	239.0	50	0.53	0.13	239.0
	54	0.68	0.09	128.7	57	1.19	0.04	36.8	59	1.34	0.32	239.0
	60	1.28	0.31	239.0	64	0.30	0.07	239.0	65	1.36	0.05	36.8
	68	0.57	0.07	128.7								
87	2	1.77	0.42	239.0	7	0.20	0.03	128.7	18	0.99	0.24	239.0
	21	0.15	2.71e-03	18.4	22	0.18	0.02	128.7	24	0.14	0.03	257.4
	25	0.34	0.09	257.4	31	0.68	0.16	239.0	34	0.52	0.13	239.0
	35	0.56	0.13	239.0	41	0.37	6.86e-03	18.4	47	1.67	0.40	239.0
	48	1.01	0.24	239.0	49	0.92	0.22	239.0	50	0.94	0.23	239.0
	54	0.17	0.02	128.7	57	2.23	0.08	36.8	59	1.93	0.46	239.0
	60	1.80	0.43	239.0	64	0.66	0.16	239.0	65	2.26	0.08	36.8
	68	0.18	0.02	128.7								
88	2	0.56	0.13	239.0	7	0.57	0.07	128.7	18	0.85	0.20	239.0
	21	0.35	6.43e-03	18.4	22	0.44	0.06	128.7	24	1.04	0.27	257.4
	25	1.06	0.27	257.4	31	0.80	0.19	239.0	34	0.83	0.20	239.0
	35	0.86	0.21	239.0	41	0.74	0.01	18.4	47	0.60	0.14	239.0
	48	0.87	0.21	239.0	49	0.85	0.20	239.0	50	0.87	0.21	239.0
	54	0.52	0.07	128.7	57	2.42	0.09	36.8	59	0.27	0.06	239.0
	60	0.38	0.09	239.0	64	0.79	0.19	239.0	65	2.41	0.09	36.8
	68	0.41	0.05	128.7								
89	2	0.91	0.22	239.0	7	1.14	0.15	128.7	18	1.36	0.32	239.0
	21	0.82	0.02	18.4	22	0.95	0.12	128.7	24	1.34	0.34	257.4
	25	1.34	0.34	257.4	31	1.19	0.28	239.0	34	1.32	0.31	239.0
	35	1.35	0.32	239.0	41	1.16	0.02	18.4	47	0.97	0.23	239.0
	48	1.36	0.32	239.0	49	1.31	0.31	239.0	50	1.34	0.32	239.0
	54	1.11	0.14	128.7	57	1.45	0.05	36.8	59	0.89	0.21	239.0
	60	0.94	0.22	239.0	64	1.19	0.28	239.0	65	1.49	0.05	36.8
	68	0.96	0.12	128.7								
90	2	1.42	0.34	239.0	7	0.65	0.08	128.7	18	0.58	0.14	239.0
	21	0.59	0.01	18.4	22	0.56	0.07	128.7	24	0.43	0.11	257.4
	25	0.57	0.15	257.4	31	0.34	0.08	239.0	34	0.27	0.06	239.0
	35	0.43	0.10	239.0	41	0.51	9.45e-03	18.4	47	1.33	0.32	239.0
	48	0.64	0.15	239.0	49	0.49	0.12	239.0	50	0.56	0.13	239.0
	54	0.69	0.09	128.7	57	1.24	0.05	36.8	59	1.41	0.34	239.0
	60	1.35	0.32	239.0	64	0.31	0.07	239.0	65	1.39	0.05	36.8
	68	0.58	0.07	128.7								
91	2	3.73	0.89	239.0	7	0.70	0.09	128.7	18	3.09	0.74	239.0
	21	0.51	9.40e-03	18.4	22	0.47	0.06	128.7	24	1.48	0.38	257.4
	25	1.39	0.36	257.4	31	2.43	0.58	239.0	34	2.39	0.57	239.0
	35	2.37	0.57	239.0	41	0.62	0.01	18.4	47	3.35	0.80	239.0
	48	3.08	0.73	239.0	49	2.95	0.71	239.0	50	2.95	0.70	239.0
	54	0.84	0.11	128.7	57	0.67	0.02	36.8	59	3.71	0.89	239.0
	60	3.30	0.79	239.0	64	2.44	0.58	239.0	65	1.19	0.04	36.8
	68	0.53	0.07	128.7								
92	2	3.09	0.74	239.0	7	0.79	0.10	128.7	18	2.75	0.66	239.0
	21	1.02	0.02	18.4	22	0.58	0.07	128.7	24	1.65	0.43	257.4
	25	1.60	0.41	257.4	31	2.20	0.52	239.0	34	2.16	0.52	239.0
	35	2.16	0.52	239.0	41	0.68	0.01	18.4	47	3.15	0.75	239.0
	48	2.75	0.66	239.0	49	2.62	0.63	239.0	50	2.62	0.63	239.0
	54	0.70	0.09	128.7	57	1.48	0.05	36.8	59	2.74	0.66	239.0

	60	2.94	0.70	239.0	64	2.20	0.53	239.0	65	1.76	0.06	36.8
	68	0.57	0.07	128.7								
93	2	3.54	0.85	239.0	7	1.35	0.17	128.7	18	3.24	0.77	239.0
	21	1.35	0.02	18.4	22	1.05	0.14	128.7	24	1.93	0.50	257.4
	25	1.83	0.47	257.4	31	2.60	0.62	239.0	34	2.62	0.63	239.0
	35	2.61	0.62	239.0	41	1.08	0.02	18.4	47	3.55	0.85	239.0
	48	3.22	0.77	239.0	49	3.09	0.74	239.0	50	3.08	0.74	239.0
	54	1.28	0.17	128.7	57	0.63	0.02	36.8	59	3.36	0.80	239.0
	60	3.50	0.84	239.0	64	2.61	0.62	239.0	65	1.09	0.04	36.8
	68	1.10	0.14	128.7								
94	2	3.39	0.81	239.0	7	0.22	0.03	128.7	18	2.62	0.62	239.0
	21	0.47	8.71e-03	18.4	22	0.19	0.03	128.7	24	1.21	0.31	257.4
	25	1.19	0.31	257.4	31	2.03	0.49	239.0	34	1.93	0.46	239.0
	35	1.93	0.46	239.0	41	0.69	0.01	18.4	47	2.96	0.71	239.0
	48	2.61	0.62	239.0	49	2.49	0.59	239.0	50	2.49	0.59	239.0
	54	0.22	0.03	128.7	57	0.44	0.02	36.8	59	3.11	0.74	239.0
	60	2.76	0.66	239.0	64	2.04	0.49	239.0	65	0.81	0.03	36.8
	68	0.13	0.02	128.7								
95	2	3.72	0.89	239.0	7	0.76	0.10	128.7	18	3.11	0.74	239.0
	21	0.56	0.01	18.4	22	0.54	0.07	128.7	24	1.47	0.38	257.4
	25	1.39	0.36	257.4	31	2.44	0.58	239.0	34	2.39	0.57	239.0
	35	2.38	0.57	239.0	41	0.60	0.01	18.4	47	3.56	0.85	239.0
	48	3.09	0.74	239.0	49	2.96	0.71	239.0	50	2.96	0.71	239.0
	54	0.88	0.11	128.7	57	0.69	0.03	36.8	59	3.70	0.88	239.0
	60	3.54	0.85	239.0	64	2.44	0.58	239.0	65	1.20	0.04	36.8
	68	0.57	0.07	128.7								
96	2	3.10	0.74	239.0	7	0.72	0.09	128.7	18	2.73	0.65	239.0
	21	0.39	7.09e-03	18.4	22	0.50	0.06	128.7	24	1.66	0.43	257.4
	25	1.61	0.41	257.4	31	2.19	0.52	239.0	34	2.16	0.52	239.0
	35	2.16	0.52	239.0	41	0.66	0.01	18.4	47	2.94	0.70	239.0
	48	2.73	0.65	239.0	49	2.61	0.62	239.0	50	2.61	0.62	239.0
	54	0.63	0.08	128.7	57	1.51	0.06	36.8	59	2.75	0.66	239.0
	60	2.69	0.64	239.0	64	2.20	0.53	239.0	65	1.78	0.07	36.8
	68	0.51	0.07	128.7								
97	2	3.55	0.85	239.0	7	1.30	0.17	128.7	18	3.22	0.77	239.0
	21	0.83	0.02	18.4	22	0.99	0.13	128.7	24	1.94	0.50	257.4
	25	1.84	0.47	257.4	31	2.60	0.62	239.0	34	2.62	0.63	239.0
	35	2.61	0.62	239.0	41	1.06	0.02	18.4	47	3.33	0.80	239.0
	48	3.20	0.76	239.0	49	3.08	0.74	239.0	50	3.08	0.74	239.0
	54	1.24	0.16	128.7	57	0.65	0.02	36.8	59	3.37	0.80	239.0
	60	3.26	0.78	239.0	64	2.61	0.62	239.0	65	1.11	0.04	36.8
	68	1.06	0.14	128.7								
98	2	3.38	0.81	239.0	7	0.30	0.04	128.7	18	2.64	0.63	239.0
	21	0.20	3.70e-03	18.4	22	0.26	0.03	128.7	24	1.20	0.31	257.4
	25	1.18	0.30	257.4	31	2.03	0.49	239.0	34	1.94	0.46	239.0
	35	1.94	0.46	239.0	41	0.67	0.01	18.4	47	3.17	0.76	239.0
	48	2.63	0.63	239.0	49	2.50	0.60	239.0	50	2.49	0.60	239.0
	54	0.29	0.04	128.7	57	0.42	0.02	36.8	59	3.11	0.74	239.0
	60	3.01	0.72	239.0	64	2.04	0.49	239.0	65	0.78	0.03	36.8
	68	0.20	0.03	128.7								
99	2	3.96	0.95	239.0	7	0.66	0.08	128.7	18	3.21	0.77	239.0
	21	0.55	0.01	18.4	22	0.43	0.06	128.7	24	1.40	0.36	257.4
	25	1.32	0.34	257.4	31	2.44	0.58	239.0	34	2.36	0.56	239.0
	35	2.34	0.56	239.0	41	0.68	0.01	18.4	47	3.54	0.85	239.0
	48	3.19	0.76	239.0	49	3.06	0.73	239.0	50	3.06	0.73	239.0
	54	0.81	0.10	128.7	57	0.79	0.03	36.8	59	3.93	0.94	239.0
	60	3.50	0.84	239.0	64	2.44	0.58	239.0	65	1.15	0.04	36.8
	68	0.49	0.06	128.7								
100	2	3.29	0.79	239.0	7	0.74	0.10	128.7	18	2.87	0.69	239.0
	21	0.95	0.02	18.4	22	0.53	0.07	128.7	24	1.58	0.41	257.4
	25	1.53	0.39	257.4	31	2.20	0.53	239.0	34	2.13	0.51	239.0
	35	2.13	0.51	239.0	41	0.60	0.01	18.4	47	3.34	0.80	239.0
	48	2.86	0.68	239.0	49	2.73	0.65	239.0	50	2.72	0.65	239.0
	54	0.66	0.08	128.7	57	1.34	0.05	36.8	59	2.97	0.71	239.0
	60	3.13	0.75	239.0	64	2.20	0.53	239.0	65	1.56	0.06	36.8
	68	0.52	0.07	128.7								
101	2	3.67	0.88	239.0	7	1.31	0.17	128.7	18	3.35	0.80	239.0
	21	1.28	0.02	18.4	22	1.01	0.13	128.7	24	1.85	0.48	257.4
	25	1.77	0.46	257.4	31	2.60	0.62	239.0	34	2.60	0.62	239.0
	35	2.58	0.62	239.0	41	1.01	0.02	18.4	47	3.74	0.89	239.0
	48	3.33	0.80	239.0	49	3.19	0.76	239.0	50	3.19	0.76	239.0
	54	1.24	0.16	128.7	57	0.52	0.02	36.8	59	3.58	0.86	239.0

	60	3.70	0.88	239.0	64	2.61	0.62	239.0	65	0.90	0.03	36.8
	68	1.06	0.14	128.7								
102	2	3.59	0.86	239.0	7	0.18	0.02	128.7	18	2.73	0.65	239.0
	21	0.54	9.93e-03	18.4	22	0.17	0.02	128.7	24	1.14	0.29	257.4
	25	1.11	0.29	257.4	31	2.03	0.49	239.0	34	1.90	0.45	239.0
	35	1.90	0.45	239.0	41	0.77	0.01	18.4	47	3.15	0.75	239.0
	48	2.73	0.65	239.0	49	2.59	0.62	239.0	50	2.59	0.62	239.0
	54	0.17	0.02	128.7	57	0.30	0.01	36.8	59	3.34	0.80	239.0
	60	2.97	0.71	239.0	64	2.04	0.49	239.0	65	0.62	0.02	36.8
	68	0.12	0.02	128.7								
103	2	3.95	0.94	239.0	7	0.71	0.09	128.7	18	3.22	0.77	239.0
	21	0.51	9.41e-03	18.4	22	0.49	0.06	128.7	24	1.39	0.36	257.4
	25	1.32	0.34	257.4	31	2.44	0.58	239.0	34	2.36	0.56	239.0
	35	2.34	0.56	239.0	41	0.66	0.01	18.4	47	3.76	0.90	239.0
	48	3.21	0.77	239.0	49	3.07	0.73	239.0	50	3.06	0.73	239.0
	54	0.84	0.11	128.7	57	0.82	0.03	36.8	59	3.93	0.94	239.0
	60	3.75	0.90	239.0	64	2.44	0.58	239.0	65	1.17	0.04	36.8
	68	0.53	0.07	128.7								
104	2	3.30	0.79	239.0	7	0.67	0.09	128.7	18	2.85	0.68	239.0
	21	0.32	5.87e-03	18.4	22	0.46	0.06	128.7	24	1.59	0.41	257.4
	25	1.54	0.40	257.4	31	2.20	0.52	239.0	34	2.13	0.51	239.0
	35	2.13	0.51	239.0	41	0.57	0.01	18.4	47	3.13	0.75	239.0
	48	2.84	0.68	239.0	49	2.72	0.65	239.0	50	2.72	0.65	239.0
	54	0.59	0.08	128.7	57	1.37	0.05	36.8	59	2.97	0.71	239.0
	60	2.89	0.69	239.0	64	2.20	0.53	239.0	65	1.58	0.06	36.8
	68	0.46	0.06	128.7								
105	2	3.68	0.88	239.0	7	1.25	0.16	128.7	18	3.33	0.80	239.0
	21	0.78	0.01	18.4	22	0.95	0.12	128.7	24	1.86	0.48	257.4
	25	1.78	0.46	257.4	31	2.60	0.62	239.0	34	2.60	0.62	239.0
	35	2.58	0.62	239.0	41	0.99	0.02	18.4	47	3.52	0.84	239.0
	48	3.31	0.79	239.0	49	3.18	0.76	239.0	50	3.18	0.76	239.0
	54	1.19	0.15	128.7	57	0.54	0.02	36.8	59	3.58	0.86	239.0
	60	3.45	0.82	239.0	64	2.61	0.62	239.0	65	0.92	0.03	36.8
	68	1.02	0.13	128.7								
106	2	3.58	0.86	239.0	7	0.27	0.03	128.7	18	2.75	0.66	239.0
	21	0.15	2.76e-03	18.4	22	0.23	0.03	128.7	24	1.13	0.29	257.4
	25	1.11	0.28	257.4	31	2.04	0.49	239.0	34	1.90	0.46	239.0
	35	1.90	0.45	239.0	41	0.75	0.01	18.4	47	3.37	0.80	239.0
	48	2.75	0.66	239.0	49	2.60	0.62	239.0	50	2.60	0.62	239.0
	54	0.24	0.03	128.7	57	0.27	0.01	36.8	59	3.34	0.80	239.0
	60	3.21	0.77	239.0	64	2.04	0.49	239.0	65	0.59	0.02	36.8
	68	0.17	0.02	128.7								

Cmb	**1000 etaT/h**
	4.75

RISULTATI NODALI

LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	8.23e-04	-1.70e-04	-0.27	-5.18e-05	-1.13e-04	-1.44e-06
1	2	-1.25e-04	-5.62e-04	-0.44	-2.72e-04	-6.25e-04	8.61e-06
1	3	6.51e-04	-1.23e-04	-0.21	-3.57e-05	-7.75e-05	-1.29e-06
1	4	-2.97e-04	-5.15e-04	-0.37	-2.56e-04	-5.89e-04	8.75e-06
1	5	6.41e-04	-1.28e-04	-0.21	-3.81e-05	-8.30e-05	-1.19e-06
1	6	9.09e-06	-3.89e-04	-0.32	-1.85e-04	-4.24e-04	5.51e-06
1	7	6.41e-04	-1.28e-04	-0.21	-3.81e-05	-8.30e-05	-1.19e-06
1	8	1.99e-04	-3.10e-04	-0.29	-1.41e-04	-3.22e-04	3.50e-06
1	9	6.41e-04	-1.28e-04	-0.21	-3.81e-05	-8.30e-05	-1.19e-06
1	10	2.62e-04	-2.84e-04	-0.28	-1.26e-04	-2.87e-04	2.83e-06
1	11	0.05	0.04	-0.23	2.21e-04	-5.15e-05	-5.13e-06
1	12	0.02	0.02	-0.13	6.49e-04	3.71e-04	9.56e-05
1	13	-0.02	-0.02	-0.42	-9.02e-04	-9.46e-04	-9.00e-05
1	14	-0.05	-0.04	-0.32	-4.73e-04	-5.23e-04	1.08e-05
1	15	0.05	0.04	-0.23	2.37e-04	-4.61e-05	-4.38e-06
1	16	0.02	0.02	-0.13	6.33e-04	3.65e-04	9.49e-05
1	17	-0.02	-0.02	-0.42	-8.85e-04	-9.40e-04	-8.92e-05
1	18	-0.05	-0.04	-0.32	-4.90e-04	-5.29e-04	1.00e-05
1	19	0.05	-0.02	-0.22	2.42e-04	-3.67e-05	-5.28e-06
1	20	0.02	-0.04	-0.13	6.70e-04	3.85e-04	9.55e-05
1	21	-0.02	0.04	-0.42	-9.22e-04	-9.60e-04	-8.98e-05
1	22	-0.05	0.02	-0.33	-4.94e-04	-5.38e-04	1.09e-05
1	23	0.05	-0.02	-0.22	2.58e-04	-3.13e-05	-4.53e-06
1	24	0.02	-0.04	-0.13	6.54e-04	3.80e-04	9.47e-05
1	25	-0.02	0.04	-0.42	-9.06e-04	-9.55e-04	-8.91e-05
1	26	-0.05	0.02	-0.33	-5.10e-04	-5.44e-04	1.02e-05
1	27	0.06	0.03	-0.41	-6.72e-04	-8.57e-04	-1.52e-04
1	28	-0.04	-0.02	-0.08	7.56e-04	5.50e-04	1.83e-04
1	29	0.04	0.02	-0.47	-1.01e-03	-1.13e-03	-1.78e-04
1	30	-0.06	-0.03	-0.14	4.20e-04	2.82e-04	1.58e-04
1	31	0.06	0.02	-0.41	-6.66e-04	-8.52e-04	-1.52e-04
1	32	-0.04	-0.03	-0.08	7.63e-04	5.55e-04	1.83e-04
1	33	0.04	0.03	-0.47	-1.01e-03	-1.13e-03	-1.78e-04
1	34	-0.06	-0.02	-0.14	4.13e-04	2.78e-04	1.58e-04

1	35	0.06	0.03	-0.40	-6.17e-04	-8.39e-04	-1.50e-04
1	36	-0.04	-0.01	-0.09	7.01e-04	5.32e-04	1.81e-04
1	37	0.04	0.01	-0.46	-9.53e-04	-1.11e-03	-1.75e-04
1	38	-0.06	-0.03	-0.15	3.64e-04	2.64e-04	1.56e-04
1	39	0.06	0.01	-0.40	-6.10e-04	-8.34e-04	-1.50e-04
1	40	-0.04	-0.03	-0.09	7.07e-04	5.37e-04	1.81e-04
1	41	0.04	0.03	-0.46	-9.60e-04	-1.11e-03	-1.75e-04
1	42	-0.06	-0.01	-0.15	3.58e-04	2.59e-04	1.56e-04
1	43	0.04	0.03	-0.24	1.50e-04	-1.03e-04	-3.79e-06
1	44	0.01	0.02	-0.16	4.88e-04	2.31e-04	7.58e-05
1	45	-0.01	-0.02	-0.39	-7.40e-04	-8.06e-04	-7.01e-05
1	46	-0.04	-0.03	-0.31	-4.02e-04	-4.72e-04	9.45e-06
1	47	0.04	0.03	-0.24	1.63e-04	-9.85e-05	-3.24e-06
1	48	0.01	0.02	-0.16	4.75e-04	2.27e-04	7.52e-05
1	49	-0.01	-0.02	-0.39	-7.27e-04	-8.02e-04	-6.96e-05
1	50	-0.04	-0.03	-0.31	-4.15e-04	-4.76e-04	8.90e-06
1	51	0.04	-0.02	-0.24	1.66e-04	-9.15e-05	-3.93e-06
1	52	0.02	-0.03	-0.16	5.04e-04	2.42e-04	7.56e-05
1	53	-0.01	0.03	-0.39	-7.56e-04	-8.17e-04	-7.00e-05
1	54	-0.04	0.02	-0.31	-4.18e-04	-4.83e-04	9.58e-06
1	55	0.04	-0.02	-0.23	1.79e-04	-8.73e-05	-3.37e-06
1	56	0.02	-0.03	-0.16	4.91e-04	2.38e-04	7.51e-05
1	57	-0.01	0.03	-0.39	-7.43e-04	-8.13e-04	-6.94e-05
1	58	-0.04	0.02	-0.32	-4.31e-04	-4.88e-04	9.03e-06
1	59	0.05	0.03	-0.38	-5.56e-04	-7.38e-04	-1.20e-04
1	60	-0.03	-0.01	-0.12	5.71e-04	3.74e-04	1.45e-04
1	61	0.03	0.01	-0.43	-8.23e-04	-9.49e-04	-1.40e-04
1	62	-0.05	-0.03	-0.17	3.04e-04	1.63e-04	1.25e-04
1	63	0.05	0.01	-0.38	-5.51e-04	-7.35e-04	-1.20e-04
1	64	-0.03	-0.03	-0.12	5.76e-04	3.78e-04	1.45e-04
1	65	0.03	0.03	-0.43	-8.28e-04	-9.53e-04	-1.40e-04
1	66	-0.05	-0.01	-0.17	2.99e-04	1.60e-04	1.26e-04
1	67	0.05	0.02	-0.37	-5.13e-04	-7.24e-04	-1.18e-04
1	68	-0.03	-9.90e-03	-0.13	5.27e-04	3.60e-04	1.44e-04
1	69	0.03	9.33e-03	-0.42	-7.80e-04	-9.35e-04	-1.38e-04
1	70	-0.05	-0.02	-0.18	2.61e-04	1.49e-04	1.24e-04
1	71	0.05	9.45e-03	-0.37	-5.08e-04	-7.21e-04	-1.18e-04
1	72	-0.03	-0.02	-0.13	5.32e-04	3.64e-04	1.43e-04
1	73	0.03	0.02	-0.42	-7.85e-04	-9.39e-04	-1.38e-04
1	74	-0.05	-0.01	-0.18	2.56e-04	1.46e-04	1.24e-04
1	75	0.03	0.02	-0.24	1.02e-04	-1.34e-04	-2.63e-06
1	76	0.01	0.01	-0.18	3.81e-04	1.41e-04	6.31e-05
1	77	-0.01	-0.02	-0.37	-6.34e-04	-7.16e-04	-5.75e-05
1	78	-0.03	-0.02	-0.31	-3.54e-04	-4.40e-04	8.29e-06
1	79	0.03	0.02	-0.24	1.13e-04	-1.31e-04	-2.17e-06
1	80	0.01	0.02	-0.18	3.71e-04	1.38e-04	6.27e-05
1	81	-0.01	-0.02	-0.37	-6.23e-04	-7.13e-04	-5.70e-05
1	82	-0.03	-0.02	-0.31	-3.65e-04	-4.44e-04	7.83e-06
1	83	0.03	-0.02	-0.24	1.15e-04	-1.25e-04	-2.75e-06
1	84	0.01	-0.02	-0.18	3.95e-04	1.51e-04	6.30e-05
1	85	-0.01	0.02	-0.37	-6.47e-04	-7.26e-04	-5.74e-05
1	86	-0.03	0.01	-0.31	-3.68e-04	-4.50e-04	8.40e-06
1	87	0.03	-0.02	-0.24	1.26e-04	-1.22e-04	-2.29e-06
1	88	0.01	-0.02	-0.18	3.84e-04	1.47e-04	6.26e-05
1	89	-0.01	0.02	-0.37	-6.36e-04	-7.22e-04	-5.69e-05
1	90	-0.03	0.02	-0.31	-3.78e-04	-4.53e-04	7.95e-06
1	91	0.04	0.02	-0.36	-4.82e-04	-6.60e-04	-9.86e-05
1	92	-0.02	-9.90e-03	-0.15	4.50e-04	2.60e-04	1.21e-04
1	93	0.02	9.33e-03	-0.40	-7.02e-04	-8.35e-04	-1.15e-04
1	94	-0.04	-0.02	-0.19	2.29e-04	8.51e-05	1.04e-04
1	95	0.04	9.42e-03	-0.36	-4.78e-04	-6.57e-04	-9.86e-05
1	96	-0.02	-0.02	-0.15	4.54e-04	2.63e-04	1.21e-04
1	97	0.02	0.02	-0.40	-7.06e-04	-8.37e-04	-1.15e-04
1	98	-0.04	-9.99e-03	-0.19	2.25e-04	8.23e-05	1.04e-04
1	99	0.04	0.02	-0.36	-4.46e-04	-6.48e-04	-9.70e-05
1	100	-0.02	-8.28e-03	-0.16	4.14e-04	2.48e-04	1.19e-04
1	101	0.03	7.71e-03	-0.39	-6.66e-04	-8.23e-04	-1.13e-04
1	102	-0.04	-0.02	-0.19	1.94e-04	7.35e-05	1.03e-04
1	103	0.04	7.80e-03	-0.36	-4.42e-04	-6.46e-04	-9.71e-05
1	104	-0.02	-0.02	-0.16	4.18e-04	2.51e-04	1.19e-04
1	105	0.03	0.02	-0.39	-6.70e-04	-8.26e-04	-1.13e-04
1	106	-0.04	-8.37e-03	-0.19	1.89e-04	7.07e-05	1.03e-04

2	1	-1.02e-03	5.63e-04	-0.27	-2.99e-05	-9.35e-05	0.0
2	2	-0.01	3.07e-03	-0.44	-1.35e-04	-5.36e-04	4.16e-05
2	3	-6.03e-04	3.86e-04	-0.21	-2.10e-05	-6.36e-05	0.0
2	4	-0.01	2.90e-03	-0.37	-1.26e-04	-5.06e-04	4.08e-05
2	5	-7.04e-04	4.13e-04	-0.21	-2.21e-05	-6.83e-05	0.0
2	6	-7.04e-03	2.09e-03	-0.32	-9.20e-05	-3.63e-04	2.74e-05
2	7	-7.04e-04	4.13e-04	-0.21	-2.21e-05	-6.83e-05	0.0
2	8	-5.14e-03	1.58e-03	-0.29	-7.11e-05	-2.75e-04	1.90e-05
2	9	-7.04e-04	4.13e-04	-0.21	-2.21e-05	-6.83e-05	0.0
2	10	-4.50e-03	1.42e-03	-0.28	-6.41e-05	-2.45e-04	1.63e-05
2	11	0.05	-0.03	-0.23	3.09e-04	1.03e-04	-8.87e-05
2	12	0.02	-0.05	-0.13	7.39e-04	3.80e-04	4.13e-05
2	13	-0.03	0.05	-0.42	-8.67e-04	-8.71e-04	-8.79e-06
2	14	-0.06	0.03	-0.32	-4.37e-04	-5.93e-04	1.21e-04
2	15	0.05	-0.03	-0.22	3.26e-04	1.05e-04	-8.80e-05
2	16	0.02	-0.05	-0.13	7.22e-04	3.79e-04	4.07e-05
2	17	-0.03	0.05	-0.42	-8.50e-04	-8.69e-04	-8.15e-06
2	18	-0.06	0.03	-0.33	-4.54e-04	-5.95e-04	1.21e-04
2	19	0.05	-0.03	-0.22	3.31e-04	1.22e-04	-9.26e-05
2	20	0.03	-0.05	-0.13	7.60e-04	3.99e-04	3.74e-05
2	21	-0.04	0.05	-0.42	-8.89e-04	-8.90e-04	-4.89e-06
2	22	-0.06	0.03	-0.33	-4.59e-04	-6.12e-04	1.25e-04
2	23	0.05	-0.03	-0.22	3.47e-04	1.24e-04	-9.19e-05
2	24	0.03	-0.05	-0.13	7.44e-04	3.98e-04	3.68e-05
2	25	-0.03	0.05	-0.42	-8.72e-04	-8.88e-04	-4.25e-06
2	26	-0.06	0.03	-0.33	-4.76e-04	-6.14e-04	1.24e-04
2	27	0.05	0.02	-0.41	-6.04e-04	-5.61e-04	-2.12e-04
2	28	-0.03	-0.05	-0.08	8.29e-04	3.63e-04	2.21e-04
2	29	0.02	0.05	-0.47	-9.57e-04	-8.53e-04	-1.88e-04
2	30	-0.06	-0.02	-0.14	4.76e-04	7.08e-05	2.45e-04
2	31	0.05	0.02	-0.41	-5.97e-04	-5.55e-04	-2.14e-04
2	32	-0.03	-0.05	-0.08	8.35e-04	3.69e-04	2.20e-04
2	33	0.02	0.05	-0.47	-9.63e-04	-8.59e-04	-1.87e-04
2	34	-0.06	-0.02	-0.14	4.69e-04	6.51e-05	2.46e-04
2	35	0.05	0.02	-0.40	-5.49e-04	-5.56e-04	-2.10e-04
2	36	-0.03	-0.04	-0.09	7.73e-04	3.58e-04	2.19e-04
2	37	0.02	0.04	-0.46	-9.01e-04	-8.48e-04	-1.86e-04
2	38	-0.06	-0.02	-0.15	4.20e-04	6.60e-05	2.43e-04
2	39	0.05	0.02	-0.40	-5.42e-04	-5.51e-04	-2.11e-04
2	40	-0.03	-0.04	-0.09	7.80e-04	3.64e-04	2.18e-04
2	41	0.02	0.04	-0.46	-9.08e-04	-8.54e-04	-1.85e-04
2	42	-0.06	-0.02	-0.15	4.14e-04	6.04e-05	2.44e-04
2	43	0.04	-0.02	-0.24	2.32e-04	2.77e-05	-6.46e-05
2	44	0.02	-0.04	-0.16	5.72e-04	2.45e-04	3.82e-05
2	45	-0.03	0.04	-0.39	-7.00e-04	-7.36e-04	-5.66e-06
2	46	-0.05	0.02	-0.31	-3.61e-04	-5.18e-04	9.71e-05
2	47	0.04	-0.02	-0.24	2.46e-04	2.87e-05	-6.41e-05
2	48	0.02	-0.04	-0.16	5.59e-04	2.44e-04	3.77e-05
2	49	-0.03	0.04	-0.39	-6.87e-04	-7.35e-04	-5.18e-06
2	50	-0.05	0.03	-0.31	-3.74e-04	-5.19e-04	9.66e-05
2	51	0.04	-0.02	-0.24	2.50e-04	4.16e-05	-6.76e-05
2	52	0.02	-0.04	-0.16	5.89e-04	2.59e-04	3.52e-05
2	53	-0.03	0.04	-0.39	-7.17e-04	-7.49e-04	-2.67e-06
2	54	-0.05	0.02	-0.31	-3.78e-04	-5.32e-04	1.00e-04
2	55	0.04	-0.02	-0.23	2.63e-04	4.25e-05	-6.71e-05
2	56	0.02	-0.04	-0.16	5.76e-04	2.58e-04	3.47e-05
2	57	-0.03	0.04	-0.39	-7.04e-04	-7.49e-04	-2.19e-06
2	58	-0.05	0.03	-0.32	-3.91e-04	-5.33e-04	9.96e-05
2	59	0.04	0.02	-0.38	-4.90e-04	-4.93e-04	-1.64e-04
2	60	-0.03	-0.03	-0.12	6.41e-04	2.32e-04	1.79e-04
2	61	0.02	0.04	-0.43	-7.69e-04	-7.22e-04	-1.46e-04
2	62	-0.05	-0.02	-0.17	3.61e-04	3.19e-06	1.96e-04
2	63	0.04	0.02	-0.38	-4.84e-04	-4.89e-04	-1.65e-04
2	64	-0.03	-0.03	-0.12	6.46e-04	2.36e-04	1.78e-04
2	65	0.02	0.04	-0.43	-7.74e-04	-7.27e-04	-1.45e-04
2	66	-0.05	-0.02	-0.17	3.56e-04	0.0	1.97e-04
2	67	0.04	0.02	-0.37	-4.46e-04	-4.90e-04	-1.62e-04
2	68	-0.03	-0.03	-0.13	5.97e-04	2.29e-04	1.77e-04
2	69	0.02	0.03	-0.42	-7.26e-04	-7.19e-04	-1.45e-04
2	70	-0.05	-0.01	-0.18	3.18e-04	0.0	1.95e-04
2	71	0.04	0.02	-0.37	-4.41e-04	-4.86e-04	-1.63e-04
2	72	-0.03	-0.03	-0.13	6.03e-04	2.33e-04	1.76e-04

2	73	0.02	0.03	-0.42	-7.31e-04	-7.23e-04	-1.44e-04
2	74	-0.05	-0.01	-0.18	3.13e-04	-4.13e-06	1.96e-04
2	75	0.03	-0.02	-0.24	1.81e-04	-1.90e-05	-5.07e-05
2	76	0.01	-0.03	-0.18	4.61e-04	1.61e-04	3.43e-05
2	77	-0.02	0.03	-0.37	-5.89e-04	-6.51e-04	-1.74e-06
2	78	-0.04	0.02	-0.31	-3.09e-04	-4.71e-04	8.32e-05
2	79	0.03	-0.02	-0.24	1.92e-04	-1.82e-05	-5.03e-05
2	80	0.01	-0.03	-0.18	4.50e-04	1.60e-04	3.39e-05
2	81	-0.02	0.03	-0.37	-5.79e-04	-6.50e-04	-1.34e-06
2	82	-0.04	0.02	-0.31	-3.20e-04	-4.72e-04	8.28e-05
2	83	0.03	-0.02	-0.24	1.95e-04	-7.46e-06	-5.32e-05
2	84	0.02	-0.03	-0.18	4.75e-04	1.73e-04	3.18e-05
2	85	-0.02	0.03	-0.37	-6.04e-04	-6.63e-04	0.0
2	86	-0.04	0.02	-0.31	-3.23e-04	-4.83e-04	8.57e-05
2	87	0.03	-0.02	-0.24	2.06e-04	-6.67e-06	-5.28e-05
2	88	0.02	-0.03	-0.18	4.65e-04	1.72e-04	3.14e-05
2	89	-0.02	0.03	-0.37	-5.93e-04	-6.62e-04	1.15e-06
2	90	-0.04	0.02	-0.31	-3.34e-04	-4.84e-04	8.53e-05
2	91	0.03	0.02	-0.36	-4.16e-04	-4.50e-04	-1.33e-04
2	92	-0.02	-0.03	-0.15	5.19e-04	1.50e-04	1.50e-04
2	93	0.01	0.03	-0.40	-6.47e-04	-6.40e-04	-1.18e-04
2	94	-0.04	-0.01	-0.19	2.88e-04	-3.99e-05	1.65e-04
2	95	0.03	0.02	-0.36	-4.12e-04	-4.47e-04	-1.33e-04
2	96	-0.02	-0.03	-0.15	5.23e-04	1.53e-04	1.50e-04
2	97	0.01	0.03	-0.40	-6.51e-04	-6.43e-04	-1.17e-04
2	98	-0.04	-0.01	-0.19	2.83e-04	-4.34e-05	1.66e-04
2	99	0.03	0.01	-0.36	-3.80e-04	-4.48e-04	-1.31e-04
2	100	-0.02	-0.03	-0.16	4.83e-04	1.47e-04	1.49e-04
2	101	0.01	0.03	-0.39	-6.11e-04	-6.37e-04	-1.17e-04
2	102	-0.04	-0.01	-0.19	2.52e-04	-4.26e-05	1.64e-04
2	103	0.03	0.01	-0.36	-3.76e-04	-4.44e-04	-1.32e-04
2	104	-0.02	-0.03	-0.16	4.87e-04	1.51e-04	1.48e-04
2	105	0.01	0.03	-0.39	-6.15e-04	-6.41e-04	-1.16e-04
2	106	-0.04	-0.01	-0.19	2.47e-04	-4.60e-05	1.65e-04
3	1	4.72e-04	-7.22e-05	-0.27	-2.50e-05	-1.32e-04	-2.81e-06
3	2	7.89e-04	-9.35e-05	-0.40	-2.02e-04	-7.05e-04	-1.12e-06
3	3	3.57e-04	-5.51e-05	-0.20	-1.59e-05	-9.09e-05	-2.19e-06
3	4	6.74e-04	-7.64e-05	-0.34	-1.92e-04	-6.64e-04	0.0
3	5	3.60e-04	-5.53e-05	-0.21	-1.78e-05	-9.70e-05	-2.18e-06
3	6	5.72e-04	-6.95e-05	-0.30	-1.35e-04	-4.79e-04	-1.05e-06
3	7	3.60e-04	-5.53e-05	-0.21	-1.78e-05	-9.70e-05	-2.18e-06
3	8	5.08e-04	-6.53e-05	-0.27	-1.00e-04	-3.64e-04	-1.39e-06
3	9	3.60e-04	-5.53e-05	-0.21	-1.78e-05	-9.70e-05	-2.18e-06
3	10	4.87e-04	-6.38e-05	-0.26	-8.84e-05	-3.26e-04	-1.50e-06
3	11	0.04	0.04	-0.26	1.88e-04	-1.76e-04	-2.05e-05
3	12	0.03	0.02	-0.23	5.52e-04	3.04e-04	7.25e-05
3	13	-0.03	-0.02	-0.29	-7.29e-04	-9.56e-04	-7.55e-05
3	14	-0.04	-0.04	-0.26	-3.65e-04	-4.76e-04	1.75e-05
3	15	0.05	0.04	-0.26	2.00e-04	-1.70e-04	-2.02e-05
3	16	0.03	0.02	-0.23	5.40e-04	2.98e-04	7.23e-05
3	17	-0.03	-0.02	-0.29	-7.16e-04	-9.51e-04	-7.53e-05
3	18	-0.04	-0.04	-0.26	-3.77e-04	-4.82e-04	1.72e-05
3	19	0.05	-0.02	-0.27	2.07e-04	-1.63e-04	-2.12e-05
3	20	0.03	-0.04	-0.23	5.70e-04	3.17e-04	7.18e-05
3	21	-0.03	0.04	-0.29	-7.47e-04	-9.70e-04	-7.48e-05
3	22	-0.04	0.02	-0.25	-3.83e-04	-4.89e-04	1.82e-05
3	23	0.05	-0.02	-0.27	2.19e-04	-1.57e-04	-2.10e-05
3	24	0.03	-0.04	-0.23	5.58e-04	3.12e-04	7.15e-05
3	25	-0.03	0.04	-0.29	-7.35e-04	-9.64e-04	-7.45e-05
3	26	-0.04	0.02	-0.25	-3.96e-04	-4.95e-04	1.80e-05
3	27	0.03	0.03	-0.31	-5.57e-04	-1.01e-03	-1.48e-04
3	28	-9.45e-03	-0.02	-0.20	6.55e-04	5.91e-04	1.62e-04
3	29	0.01	0.02	-0.32	-8.32e-04	-1.24e-03	-1.65e-04
3	30	-0.03	-0.03	-0.21	3.80e-04	3.57e-04	1.45e-04
3	31	0.03	0.02	-0.31	-5.51e-04	-1.01e-03	-1.49e-04
3	32	-9.40e-03	-0.03	-0.20	6.61e-04	5.95e-04	1.62e-04
3	33	0.01	0.03	-0.32	-8.37e-04	-1.25e-03	-1.65e-04
3	34	-0.03	-0.02	-0.21	3.74e-04	3.53e-04	1.46e-04
3	35	0.03	0.03	-0.31	-5.16e-04	-9.90e-04	-1.47e-04
3	36	-0.01	-0.01	-0.20	6.15e-04	5.72e-04	1.61e-04
3	37	0.01	0.01	-0.32	-7.91e-04	-1.22e-03	-1.64e-04
3	38	-0.03	-0.03	-0.21	3.40e-04	3.38e-04	1.44e-04

3	39	0.03	0.01	-0.31	-5.11e-04	-9.86e-04	-1.48e-04
3	40	-0.01	-0.03	-0.20	6.20e-04	5.76e-04	1.61e-04
3	41	0.01	0.03	-0.32	-7.97e-04	-1.23e-03	-1.64e-04
3	42	-0.03	-0.01	-0.21	3.34e-04	3.34e-04	1.45e-04
3	43	0.04	0.03	-0.26	1.31e-04	-2.09e-04	-1.69e-05
3	44	0.03	0.02	-0.24	4.19e-04	1.71e-04	5.65e-05
3	45	-0.02	-0.02	-0.28	-5.95e-04	-8.23e-04	-5.95e-05
3	46	-0.03	-0.03	-0.26	-3.08e-04	-4.43e-04	1.39e-05
3	47	0.04	0.03	-0.26	1.41e-04	-2.05e-04	-1.68e-05
3	48	0.02	0.02	-0.24	4.09e-04	1.66e-04	5.63e-05
3	49	-0.02	-0.02	-0.28	-5.86e-04	-8.19e-04	-5.93e-05
3	50	-0.03	-0.03	-0.26	-3.18e-04	-4.48e-04	1.38e-05
3	51	0.04	-0.02	-0.26	1.46e-04	-1.99e-04	-1.76e-05
3	52	0.03	-0.03	-0.24	4.33e-04	1.81e-04	5.59e-05
3	53	-0.02	0.03	-0.28	-6.10e-04	-8.33e-04	-5.89e-05
3	54	-0.03	0.02	-0.25	-3.23e-04	-4.53e-04	1.46e-05
3	55	0.04	-0.02	-0.26	1.55e-04	-1.95e-04	-1.74e-05
3	56	0.02	-0.03	-0.24	4.24e-04	1.76e-04	5.57e-05
3	57	-0.02	0.03	-0.28	-6.00e-04	-8.29e-04	-5.87e-05
3	58	-0.03	0.02	-0.25	-3.32e-04	-4.58e-04	1.44e-05
3	59	0.03	0.03	-0.30	-4.58e-04	-8.67e-04	-1.18e-04
3	60	-7.39e-03	-0.01	-0.21	5.00e-04	3.99e-04	1.27e-04
3	61	8.37e-03	0.01	-0.31	-6.76e-04	-1.05e-03	-1.30e-04
3	62	-0.03	-0.03	-0.22	2.82e-04	2.15e-04	1.15e-04
3	63	0.03	0.01	-0.30	-4.54e-04	-8.64e-04	-1.18e-04
3	64	-7.38e-03	-0.03	-0.21	5.04e-04	4.02e-04	1.27e-04
3	65	8.35e-03	0.03	-0.31	-6.81e-04	-1.05e-03	-1.30e-04
3	66	-0.03	-0.01	-0.22	2.77e-04	2.12e-04	1.15e-04
3	67	0.03	0.02	-0.30	-4.27e-04	-8.52e-04	-1.17e-04
3	68	-8.68e-03	-9.75e-03	-0.21	4.68e-04	3.84e-04	1.27e-04
3	69	9.66e-03	9.62e-03	-0.31	-6.45e-04	-1.04e-03	-1.30e-04
3	70	-0.03	-0.02	-0.22	2.50e-04	2.00e-04	1.14e-04
3	71	0.03	9.73e-03	-0.30	-4.22e-04	-8.49e-04	-1.17e-04
3	72	-8.67e-03	-0.02	-0.21	4.72e-04	3.87e-04	1.27e-04
3	73	9.64e-03	0.02	-0.31	-6.49e-04	-1.04e-03	-1.30e-04
3	74	-0.03	-9.86e-03	-0.22	2.45e-04	1.97e-04	1.14e-04
3	75	0.03	0.02	-0.26	9.30e-05	-2.29e-04	-1.42e-05
3	76	0.02	0.01	-0.24	3.31e-04	8.48e-05	4.65e-05
3	77	-0.02	-0.01	-0.28	-5.07e-04	-7.37e-04	-4.95e-05
3	78	-0.03	-0.02	-0.26	-2.70e-04	-4.23e-04	1.12e-05
3	79	0.03	0.02	-0.26	1.01e-04	-2.26e-04	-1.41e-05
3	80	0.02	0.02	-0.24	3.23e-04	8.10e-05	4.63e-05
3	81	-0.02	-0.02	-0.28	-4.99e-04	-7.33e-04	-4.93e-05
3	82	-0.03	-0.02	-0.26	-2.78e-04	-4.27e-04	1.11e-05
3	83	0.03	-0.01	-0.26	1.05e-04	-2.21e-04	-1.48e-05
3	84	0.02	-0.02	-0.24	3.43e-04	9.32e-05	4.60e-05
3	85	-0.02	0.02	-0.28	-5.19e-04	-7.45e-04	-4.89e-05
3	86	-0.03	0.01	-0.26	-2.82e-04	-4.31e-04	1.18e-05
3	87	0.03	-0.02	-0.26	1.13e-04	-2.17e-04	-1.46e-05
3	88	0.02	-0.02	-0.24	3.35e-04	8.94e-05	4.58e-05
3	89	-0.02	0.02	-0.28	-5.12e-04	-7.42e-04	-4.88e-05
3	90	-0.03	0.02	-0.26	-2.90e-04	-4.35e-04	1.16e-05
3	91	0.02	0.02	-0.29	-3.94e-04	-7.73e-04	-9.74e-05
3	92	-6.02e-03	-9.84e-03	-0.22	3.98e-04	2.73e-04	1.05e-04
3	93	6.99e-03	9.71e-03	-0.30	-5.74e-04	-9.26e-04	-1.08e-04
3	94	-0.02	-0.02	-0.22	2.17e-04	1.21e-04	9.44e-05
3	95	0.02	9.81e-03	-0.29	-3.91e-04	-7.71e-04	-9.76e-05
3	96	-6.01e-03	-0.02	-0.22	4.01e-04	2.76e-04	1.05e-04
3	97	6.98e-03	0.02	-0.30	-5.78e-04	-9.28e-04	-1.08e-04
3	98	-0.02	-9.93e-03	-0.22	2.14e-04	1.19e-04	9.46e-05
3	99	0.02	0.02	-0.29	-3.68e-04	-7.61e-04	-9.69e-05
3	100	-7.09e-03	-8.11e-03	-0.22	3.71e-04	2.61e-04	1.05e-04
3	101	8.06e-03	7.98e-03	-0.30	-5.48e-04	-9.13e-04	-1.08e-04
3	102	-0.02	-0.02	-0.23	1.91e-04	1.09e-04	9.39e-05
3	103	0.02	8.08e-03	-0.29	-3.64e-04	-7.58e-04	-9.71e-05
3	104	-7.07e-03	-0.02	-0.22	3.75e-04	2.64e-04	1.04e-04
3	105	8.05e-03	0.02	-0.30	-5.52e-04	-9.16e-04	-1.07e-04
3	106	-0.02	-8.21e-03	-0.23	1.87e-04	1.06e-04	9.41e-05
4	1	-0.01	4.73e-03	-0.27	-4.67e-05	-9.70e-05	-1.55e-05
4	2	-0.07	0.03	-0.41	-2.54e-04	-5.50e-04	-5.69e-05
4	3	-9.06e-03	3.21e-03	-0.20	-3.20e-05	-6.61e-05	-1.11e-05
4	4	-0.07	0.03	-0.34	-2.39e-04	-5.19e-04	-5.26e-05

4	5	-9.72e-03	3.45e-03	-0.21	-3.42e-05	-7.09e-05	-1.16e-05
4	6	-0.05	0.02	-0.30	-1.72e-04	-3.73e-04	-3.92e-05
4	7	-9.72e-03	3.45e-03	-0.21	-3.42e-05	-7.09e-05	-1.16e-05
4	8	-0.04	0.01	-0.27	-1.31e-04	-2.82e-04	-3.09e-05
4	9	-9.72e-03	3.45e-03	-0.21	-3.42e-05	-7.09e-05	-1.16e-05
4	10	-0.03	0.01	-0.26	-1.17e-04	-2.52e-04	-2.82e-05
4	11	0.04	-0.05	-0.26	1.93e-04	1.58e-05	3.59e-05
4	12	0.09	-0.12	-0.23	5.94e-04	4.45e-04	2.17e-04
4	13	-0.16	0.14	-0.29	-8.28e-04	-9.49e-04	-2.73e-04
4	14	-0.11	0.08	-0.26	-4.27e-04	-5.20e-04	-9.22e-05
4	15	0.04	-0.06	-0.26	2.07e-04	2.20e-05	3.97e-05
4	16	0.09	-0.12	-0.23	5.80e-04	4.39e-04	2.13e-04
4	17	-0.16	0.14	-0.29	-8.14e-04	-9.43e-04	-2.69e-04
4	18	-0.11	0.08	-0.26	-4.41e-04	-5.26e-04	-9.60e-05
4	19	0.04	-0.06	-0.27	2.12e-04	3.05e-05	3.56e-05
4	20	0.09	-0.12	-0.23	6.13e-04	4.60e-04	2.16e-04
4	21	-0.16	0.15	-0.29	-8.47e-04	-9.64e-04	-2.73e-04
4	22	-0.11	0.08	-0.25	-4.46e-04	-5.35e-04	-9.19e-05
4	23	0.04	-0.06	-0.27	2.26e-04	3.67e-05	3.94e-05
4	24	0.09	-0.12	-0.23	5.99e-04	4.54e-04	2.13e-04
4	25	-0.16	0.14	-0.29	-8.33e-04	-9.58e-04	-2.69e-04
4	26	-0.11	0.08	-0.25	-4.60e-04	-5.41e-04	-9.58e-05
4	27	-0.08	0.09	-0.31	-6.32e-04	-8.23e-04	-2.83e-04
4	28	0.07	-0.13	-0.20	7.04e-04	6.08e-04	3.20e-04
4	29	-0.14	0.15	-0.32	-9.38e-04	-1.11e-03	-3.76e-04
4	30	0.01	-0.07	-0.21	3.98e-04	3.19e-04	2.27e-04
4	31	-0.08	0.09	-0.31	-6.26e-04	-8.19e-04	-2.83e-04
4	32	0.07	-0.13	-0.20	7.10e-04	6.13e-04	3.19e-04
4	33	-0.14	0.15	-0.32	-9.44e-04	-1.12e-03	-3.76e-04
4	34	0.01	-0.07	-0.21	3.92e-04	3.15e-04	2.27e-04
4	35	-0.08	0.08	-0.31	-5.85e-04	-8.02e-04	-2.70e-04
4	36	0.07	-0.12	-0.20	6.57e-04	5.88e-04	3.07e-04
4	37	-0.14	0.14	-0.32	-8.91e-04	-1.09e-03	-3.63e-04
4	38	0.01	-0.06	-0.21	3.51e-04	2.98e-04	2.14e-04
4	39	-0.08	0.08	-0.31	-5.79e-04	-7.98e-04	-2.70e-04
4	40	0.07	-0.12	-0.20	6.63e-04	5.92e-04	3.07e-04
4	41	-0.14	0.14	-0.32	-8.97e-04	-1.10e-03	-3.63e-04
4	42	0.01	-0.06	-0.21	3.45e-04	2.94e-04	2.14e-04
4	43	0.03	-0.04	-0.26	1.29e-04	-4.18e-05	2.27e-05
4	44	0.06	-0.09	-0.24	4.46e-04	2.98e-04	1.65e-04
4	45	-0.13	0.12	-0.28	-6.80e-04	-8.02e-04	-2.22e-04
4	46	-0.09	0.06	-0.26	-3.63e-04	-4.62e-04	-7.90e-05
4	47	0.03	-0.04	-0.26	1.40e-04	-3.69e-05	2.56e-05
4	48	0.06	-0.09	-0.24	4.35e-04	2.93e-04	1.62e-04
4	49	-0.13	0.11	-0.28	-6.69e-04	-7.97e-04	-2.19e-04
4	50	-0.09	0.07	-0.26	-3.74e-04	-4.67e-04	-8.19e-05
4	51	0.03	-0.04	-0.27	1.44e-04	-3.07e-05	2.25e-05
4	52	0.06	-0.09	-0.24	4.61e-04	3.09e-04	1.65e-04
4	53	-0.13	0.12	-0.28	-6.95e-04	-8.13e-04	-2.22e-04
4	54	-0.10	0.07	-0.26	-3.78e-04	-4.73e-04	-7.88e-05
4	55	0.03	-0.05	-0.26	1.55e-04	-2.58e-05	2.54e-05
4	56	0.06	-0.09	-0.24	4.50e-04	3.04e-04	1.62e-04
4	57	-0.13	0.12	-0.28	-6.84e-04	-8.08e-04	-2.19e-04
4	58	-0.10	0.07	-0.26	-3.89e-04	-4.78e-04	-8.17e-05
4	59	-0.07	0.08	-0.30	-5.23e-04	-7.04e-04	-2.29e-04
4	60	0.05	-0.10	-0.21	5.32e-04	4.28e-04	2.46e-04
4	61	-0.12	0.12	-0.31	-7.66e-04	-9.32e-04	-3.03e-04
4	62	3.15e-03	-0.05	-0.22	2.89e-04	2.00e-04	1.73e-04
4	63	-0.07	0.07	-0.30	-5.19e-04	-7.01e-04	-2.29e-04
4	64	0.05	-0.10	-0.21	5.36e-04	4.32e-04	2.46e-04
4	65	-0.12	0.12	-0.31	-7.70e-04	-9.36e-04	-3.03e-04
4	66	2.65e-03	-0.05	-0.22	2.85e-04	1.97e-04	1.73e-04
4	67	-0.07	0.07	-0.30	-4.86e-04	-6.88e-04	-2.20e-04
4	68	0.05	-0.09	-0.21	4.95e-04	4.12e-04	2.37e-04
4	69	-0.12	0.11	-0.31	-7.29e-04	-9.16e-04	-2.93e-04
4	70	1.92e-03	-0.04	-0.22	2.52e-04	1.84e-04	1.63e-04
4	71	-0.07	0.07	-0.30	-4.82e-04	-6.85e-04	-2.20e-04
4	72	0.05	-0.09	-0.21	5.00e-04	4.15e-04	2.37e-04
4	73	-0.12	0.11	-0.31	-7.33e-04	-9.20e-04	-2.93e-04
4	74	1.41e-03	-0.04	-0.22	2.48e-04	1.81e-04	1.63e-04
4	75	0.02	-0.03	-0.26	8.66e-05	-7.80e-05	1.39e-05
4	76	0.05	-0.07	-0.24	3.48e-04	2.03e-04	1.32e-04

4	77	-0.11	0.10	-0.28	-5.82e-04	-7.07e-04	-1.88e-04
4	78	-0.08	0.06	-0.26	-3.20e-04	-4.26e-04	-7.02e-05
4	79	0.02	-0.03	-0.26	9.57e-05	-7.39e-05	1.63e-05
4	80	0.05	-0.07	-0.24	3.39e-04	1.99e-04	1.29e-04
4	81	-0.11	0.10	-0.28	-5.73e-04	-7.03e-04	-1.86e-04
4	82	-0.08	0.06	-0.26	-3.30e-04	-4.30e-04	-7.26e-05
4	83	0.02	-0.03	-0.26	9.90e-05	-6.88e-05	1.37e-05
4	84	0.05	-0.08	-0.24	3.61e-04	2.12e-04	1.32e-04
4	85	-0.12	0.10	-0.28	-5.95e-04	-7.16e-04	-1.88e-04
4	86	-0.09	0.06	-0.26	-3.33e-04	-4.35e-04	-7.00e-05
4	87	0.02	-0.04	-0.26	1.08e-04	-6.47e-05	1.61e-05
4	88	0.05	-0.07	-0.24	3.51e-04	2.08e-04	1.29e-04
4	89	-0.12	0.10	-0.28	-5.85e-04	-7.12e-04	-1.86e-04
4	90	-0.09	0.06	-0.26	-3.42e-04	-4.39e-04	-7.24e-05
4	91	-0.07	0.06	-0.29	-4.53e-04	-6.26e-04	-1.94e-04
4	92	0.04	-0.08	-0.22	4.19e-04	3.10e-04	1.99e-04
4	93	-0.10	0.10	-0.30	-6.53e-04	-8.15e-04	-2.55e-04
4	94	-3.37e-03	-0.04	-0.23	2.19e-04	1.22e-04	1.38e-04
4	95	-0.06	0.06	-0.29	-4.49e-04	-6.23e-04	-1.95e-04
4	96	0.04	-0.08	-0.22	4.23e-04	3.13e-04	1.99e-04
4	97	-0.10	0.10	-0.30	-6.57e-04	-8.17e-04	-2.55e-04
4	98	-3.79e-03	-0.04	-0.23	2.15e-04	1.19e-04	1.38e-04
4	99	-0.06	0.06	-0.29	-4.22e-04	-6.12e-04	-1.86e-04
4	100	0.03	-0.07	-0.22	3.89e-04	2.97e-04	1.91e-04
4	101	-0.10	0.10	-0.30	-6.23e-04	-8.01e-04	-2.47e-04
4	102	-4.39e-03	-0.03	-0.23	1.88e-04	1.08e-04	1.30e-04
4	103	-0.06	0.06	-0.29	-4.18e-04	-6.10e-04	-1.86e-04
4	104	0.03	-0.07	-0.22	3.93e-04	3.00e-04	1.91e-04
4	105	-0.10	0.10	-0.30	-6.27e-04	-8.04e-04	-2.47e-04
4	106	-4.81e-03	-0.03	-0.23	1.85e-04	1.05e-04	1.30e-04
5	1	-0.02	6.51e-03	-0.28	-2.04e-05	-1.43e-04	-1.55e-05
5	2	-0.08	0.03	-0.45	-1.46e-04	-7.49e-04	-5.10e-05
5	3	-0.01	4.51e-03	-0.21	-1.33e-05	-9.83e-05	-1.12e-05
5	4	-0.08	0.03	-0.38	-1.39e-04	-7.05e-04	-4.67e-05
5	5	-0.01	4.79e-03	-0.21	-1.46e-05	-1.05e-04	-1.16e-05
5	6	-0.06	0.02	-0.32	-9.84e-05	-5.09e-04	-3.53e-05
5	7	-0.01	4.79e-03	-0.21	-1.46e-05	-1.05e-04	-1.16e-05
5	8	-0.04	0.02	-0.29	-7.33e-05	-3.88e-04	-2.82e-05
5	9	-0.01	4.79e-03	-0.21	-1.46e-05	-1.05e-04	-1.16e-05
5	10	-0.04	0.02	-0.28	-6.49e-05	-3.47e-04	-2.58e-05
5	11	0.05	-0.06	-0.28	4.64e-04	-1.95e-04	3.89e-05
5	12	0.11	-0.14	-0.24	8.97e-04	3.77e-04	2.37e-04
5	13	-0.19	0.17	-0.32	-1.03e-03	-1.07e-03	-2.89e-04
5	14	-0.12	0.09	-0.27	-5.94e-04	-5.00e-04	-9.05e-05
5	15	0.05	-0.06	-0.28	4.82e-04	-1.91e-04	4.32e-05
5	16	0.11	-0.14	-0.24	8.79e-04	3.73e-04	2.33e-04
5	17	-0.19	0.17	-0.32	-1.01e-03	-1.07e-03	-2.84e-04
5	18	-0.12	0.09	-0.27	-6.12e-04	-5.04e-04	-9.48e-05
5	19	0.05	-0.06	-0.29	4.90e-04	-1.85e-04	3.99e-05
5	20	0.11	-0.15	-0.24	9.23e-04	3.87e-04	2.38e-04
5	21	-0.19	0.18	-0.32	-1.05e-03	-1.08e-03	-2.90e-04
5	22	-0.12	0.09	-0.27	-6.20e-04	-5.10e-04	-9.16e-05
5	23	0.05	-0.06	-0.29	5.08e-04	-1.81e-04	4.43e-05
5	24	0.11	-0.14	-0.24	9.05e-04	3.83e-04	2.34e-04
5	25	-0.19	0.17	-0.32	-1.03e-03	-1.08e-03	-2.86e-04
5	26	-0.12	0.10	-0.27	-6.38e-04	-5.14e-04	-9.59e-05
5	27	-0.11	0.12	-0.35	-5.62e-04	-1.17e-03	-3.07e-04
5	28	0.11	-0.16	-0.20	8.79e-04	7.38e-04	3.54e-04
5	29	-0.18	0.19	-0.36	-1.01e-03	-1.43e-03	-4.05e-04
5	30	0.04	-0.09	-0.21	4.32e-04	4.75e-04	2.56e-04
5	31	-0.11	0.12	-0.35	-5.54e-04	-1.17e-03	-3.07e-04
5	32	0.11	-0.16	-0.20	8.87e-04	7.41e-04	3.54e-04
5	33	-0.18	0.19	-0.36	-1.02e-03	-1.44e-03	-4.06e-04
5	34	0.04	-0.09	-0.21	4.24e-04	4.72e-04	2.55e-04
5	35	-0.11	0.11	-0.35	-5.02e-04	-1.16e-03	-2.93e-04
5	36	0.10	-0.15	-0.20	8.19e-04	7.24e-04	3.39e-04
5	37	-0.18	0.18	-0.36	-9.49e-04	-1.42e-03	-3.91e-04
5	38	0.03	-0.08	-0.21	3.72e-04	4.61e-04	2.41e-04
5	39	-0.11	0.11	-0.35	-4.94e-04	-1.15e-03	-2.92e-04
5	40	0.10	-0.15	-0.20	8.27e-04	7.27e-04	3.40e-04
5	41	-0.18	0.18	-0.36	-9.57e-04	-1.42e-03	-3.91e-04
5	42	0.03	-0.08	-0.21	3.64e-04	4.58e-04	2.41e-04

5	43	0.03	-0.04	-0.28	3.55e-04	-2.30e-04	2.56e-05
5	44	0.08	-0.11	-0.25	6.97e-04	2.24e-04	1.82e-04
5	45	-0.15	0.14	-0.31	-8.26e-04	-9.18e-04	-2.34e-04
5	46	-0.10	0.07	-0.27	-4.85e-04	-4.65e-04	-7.72e-05
5	47	0.03	-0.05	-0.28	3.69e-04	-2.26e-04	2.89e-05
5	48	0.08	-0.11	-0.25	6.82e-04	2.20e-04	1.79e-04
5	49	-0.15	0.14	-0.31	-8.12e-04	-9.15e-04	-2.30e-04
5	50	-0.10	0.08	-0.27	-4.99e-04	-4.68e-04	-8.05e-05
5	51	0.03	-0.05	-0.28	3.75e-04	-2.22e-04	2.64e-05
5	52	0.08	-0.11	-0.25	7.17e-04	2.31e-04	1.83e-04
5	53	-0.16	0.14	-0.31	-8.47e-04	-9.26e-04	-2.35e-04
5	54	-0.10	0.08	-0.27	-5.05e-04	-4.73e-04	-7.80e-05
5	55	0.03	-0.05	-0.28	3.90e-04	-2.19e-04	2.97e-05
5	56	0.08	-0.11	-0.25	7.03e-04	2.28e-04	1.80e-04
5	57	-0.16	0.14	-0.31	-8.33e-04	-9.23e-04	-2.31e-04
5	58	-0.10	0.08	-0.27	-5.19e-04	-4.76e-04	-8.14e-05
5	59	-0.10	0.10	-0.33	-4.58e-04	-9.99e-04	-2.48e-04
5	60	0.08	-0.12	-0.22	6.82e-04	5.11e-04	2.74e-04
5	61	-0.15	0.15	-0.34	-8.12e-04	-1.21e-03	-3.26e-04
5	62	0.02	-0.07	-0.22	3.28e-04	3.04e-04	1.96e-04
5	63	-0.10	0.10	-0.33	-4.51e-04	-9.97e-04	-2.48e-04
5	64	0.08	-0.12	-0.22	6.88e-04	5.13e-04	2.74e-04
5	65	-0.15	0.16	-0.34	-8.18e-04	-1.21e-03	-3.26e-04
5	66	0.02	-0.07	-0.22	3.22e-04	3.02e-04	1.96e-04
5	67	-0.09	0.09	-0.34	-4.10e-04	-9.89e-04	-2.37e-04
5	68	0.07	-0.11	-0.21	6.35e-04	5.01e-04	2.63e-04
5	69	-0.15	0.15	-0.34	-7.64e-04	-1.20e-03	-3.15e-04
5	70	0.02	-0.06	-0.22	2.80e-04	2.94e-04	1.85e-04
5	71	-0.09	0.09	-0.34	-4.04e-04	-9.86e-04	-2.36e-04
5	72	0.07	-0.12	-0.21	6.41e-04	5.03e-04	2.63e-04
5	73	-0.15	0.15	-0.34	-7.71e-04	-1.20e-03	-3.15e-04
5	74	0.02	-0.06	-0.22	2.74e-04	2.92e-04	1.85e-04
5	75	0.02	-0.03	-0.28	2.82e-04	-2.50e-04	1.67e-05
5	76	0.06	-0.09	-0.25	5.65e-04	1.25e-04	1.46e-04
5	77	-0.13	0.12	-0.30	-6.94e-04	-8.20e-04	-1.98e-04
5	78	-0.09	0.06	-0.28	-4.12e-04	-4.45e-04	-6.83e-05
5	79	0.02	-0.03	-0.28	2.94e-04	-2.47e-04	1.94e-05
5	80	0.06	-0.09	-0.25	5.53e-04	1.22e-04	1.43e-04
5	81	-0.13	0.12	-0.31	-6.83e-04	-8.17e-04	-1.95e-04
5	82	-0.09	0.07	-0.28	-4.24e-04	-4.48e-04	-7.11e-05
5	83	0.02	-0.03	-0.28	2.99e-04	-2.43e-04	1.73e-05
5	84	0.06	-0.09	-0.25	5.82e-04	1.31e-04	1.47e-04
5	85	-0.14	0.12	-0.30	-7.11e-04	-8.26e-04	-1.98e-04
5	86	-0.09	0.07	-0.27	-4.29e-04	-4.51e-04	-6.90e-05
5	87	0.02	-0.04	-0.28	3.11e-04	-2.41e-04	2.01e-05
5	88	0.06	-0.09	-0.25	5.70e-04	1.28e-04	1.44e-04
5	89	-0.13	0.12	-0.30	-7.00e-04	-8.23e-04	-1.96e-04
5	90	-0.09	0.07	-0.27	-4.40e-04	-4.54e-04	-7.17e-05
5	91	-0.09	0.09	-0.32	-3.89e-04	-8.86e-04	-2.09e-04
5	92	0.06	-0.10	-0.23	5.53e-04	3.62e-04	2.22e-04
5	93	-0.13	0.13	-0.33	-6.82e-04	-1.06e-03	-2.74e-04
5	94	0.01	-0.05	-0.23	2.60e-04	1.91e-04	1.58e-04
5	95	-0.09	0.08	-0.32	-3.84e-04	-8.84e-04	-2.09e-04
5	96	0.06	-0.10	-0.23	5.58e-04	3.64e-04	2.22e-04
5	97	-0.13	0.13	-0.33	-6.87e-04	-1.06e-03	-2.74e-04
5	98	0.01	-0.05	-0.23	2.55e-04	1.89e-04	1.58e-04
5	99	-0.08	0.08	-0.33	-3.50e-04	-8.77e-04	-2.00e-04
5	100	0.05	-0.09	-0.23	5.13e-04	3.54e-04	2.13e-04
5	101	-0.13	0.12	-0.33	-6.43e-04	-1.05e-03	-2.64e-04
5	102	9.15e-03	-0.05	-0.23	2.20e-04	1.83e-04	1.49e-04
5	103	-0.08	0.08	-0.33	-3.45e-04	-8.75e-04	-2.00e-04
5	104	0.05	-0.09	-0.23	5.18e-04	3.55e-04	2.13e-04
5	105	-0.13	0.12	-0.33	-6.48e-04	-1.05e-03	-2.65e-04
5	106	8.88e-03	-0.05	-0.23	2.15e-04	1.81e-04	1.48e-04
6	1	-0.01	4.55e-03	-0.27	-7.18e-05	-1.17e-04	-1.39e-05
6	2	-0.07	0.03	-0.40	-4.80e-04	-7.39e-04	-4.41e-05
6	3	-8.93e-03	3.08e-03	-0.20	-4.76e-05	-7.83e-05	-1.01e-05
6	4	-0.07	0.03	-0.34	-4.55e-04	-7.01e-04	-4.03e-05
6	5	-9.58e-03	3.32e-03	-0.21	-5.19e-05	-8.50e-05	-1.05e-05
6	6	-0.05	0.02	-0.29	-3.24e-04	-5.00e-04	-3.06e-05
6	7	-9.58e-03	3.32e-03	-0.21	-5.19e-05	-8.50e-05	-1.05e-05
6	8	-0.04	0.01	-0.27	-2.42e-04	-3.75e-04	-2.46e-05

6	9	-9.58e-03	3.32e-03	-0.21	-5.19e-05	-8.50e-05	-1.05e-05
6	10	-0.03	0.01	-0.26	-2.15e-04	-3.34e-04	-2.25e-05
6	11	0.04	-0.05	-0.29	1.24e-04	-3.32e-05	3.30e-05
6	12	0.09	-0.12	-0.26	5.14e-04	4.24e-04	2.06e-04
6	13	-0.15	0.14	-0.26	-9.44e-04	-1.09e-03	-2.51e-04
6	14	-0.11	0.08	-0.23	-5.54e-04	-6.35e-04	-7.81e-05
6	15	0.04	-0.06	-0.29	1.39e-04	-2.45e-05	3.64e-05
6	16	0.09	-0.11	-0.26	4.99e-04	4.15e-04	2.03e-04
6	17	-0.15	0.14	-0.26	-9.30e-04	-1.08e-03	-2.48e-04
6	18	-0.11	0.08	-0.23	-5.69e-04	-6.43e-04	-8.15e-05
6	19	0.04	-0.06	-0.29	1.44e-04	-1.71e-05	3.26e-05
6	20	0.09	-0.12	-0.25	5.34e-04	4.40e-04	2.06e-04
6	21	-0.16	0.14	-0.26	-9.65e-04	-1.11e-03	-2.51e-04
6	22	-0.11	0.08	-0.23	-5.74e-04	-6.51e-04	-7.77e-05
6	23	0.04	-0.06	-0.29	1.59e-04	-8.43e-06	3.61e-05
6	24	0.09	-0.12	-0.26	5.20e-04	4.31e-04	2.02e-04
6	25	-0.16	0.14	-0.26	-9.50e-04	-1.10e-03	-2.48e-04
6	26	-0.11	0.08	-0.23	-5.89e-04	-6.59e-04	-8.11e-05
6	27	-0.08	0.09	-0.32	-7.05e-04	-9.37e-04	-2.69e-04
6	28	0.07	-0.12	-0.21	5.95e-04	5.87e-04	3.09e-04
6	29	-0.14	0.15	-0.31	-1.03e-03	-1.25e-03	-3.54e-04
6	30	0.01	-0.07	-0.20	2.75e-04	2.69e-04	2.24e-04
6	31	-0.08	0.09	-0.32	-6.99e-04	-9.32e-04	-2.69e-04
6	32	0.07	-0.12	-0.21	6.01e-04	5.92e-04	3.09e-04
6	33	-0.14	0.15	-0.31	-1.03e-03	-1.26e-03	-3.54e-04
6	34	0.01	-0.06	-0.20	2.69e-04	2.64e-04	2.24e-04
6	35	-0.08	0.08	-0.32	-6.56e-04	-9.08e-04	-2.57e-04
6	36	0.07	-0.11	-0.21	5.46e-04	5.58e-04	2.97e-04
6	37	-0.14	0.14	-0.31	-9.76e-04	-1.23e-03	-3.43e-04
6	38	9.47e-03	-0.05	-0.20	2.26e-04	2.40e-04	2.12e-04
6	39	-0.08	0.08	-0.32	-6.50e-04	-9.03e-04	-2.57e-04
6	40	0.07	-0.11	-0.21	5.52e-04	5.63e-04	2.97e-04
6	41	-0.14	0.14	-0.31	-9.82e-04	-1.23e-03	-3.42e-04
6	42	8.74e-03	-0.05	-0.20	2.20e-04	2.36e-04	2.12e-04
6	43	0.03	-0.04	-0.28	5.43e-05	-9.71e-05	2.16e-05
6	44	0.06	-0.09	-0.26	3.62e-04	2.65e-04	1.58e-04
6	45	-0.13	0.11	-0.26	-7.92e-04	-9.33e-04	-2.03e-04
6	46	-0.09	0.06	-0.23	-4.84e-04	-5.71e-04	-6.66e-05
6	47	0.03	-0.04	-0.28	6.59e-05	-9.03e-05	2.42e-05
6	48	0.06	-0.09	-0.26	3.51e-04	2.58e-04	1.56e-04
6	49	-0.13	0.11	-0.26	-7.81e-04	-9.26e-04	-2.01e-04
6	50	-0.09	0.07	-0.23	-4.96e-04	-5.77e-04	-6.93e-05
6	51	0.03	-0.04	-0.28	7.03e-05	-8.48e-05	2.13e-05
6	52	0.06	-0.09	-0.26	3.78e-04	2.77e-04	1.58e-04
6	53	-0.13	0.12	-0.26	-8.08e-04	-9.45e-04	-2.03e-04
6	54	-0.10	0.07	-0.24	-5.00e-04	-5.83e-04	-6.63e-05
6	55	0.03	-0.04	-0.28	8.19e-05	-7.80e-05	2.39e-05
6	56	0.06	-0.09	-0.26	3.67e-04	2.70e-04	1.55e-04
6	57	-0.13	0.11	-0.26	-7.97e-04	-9.38e-04	-2.00e-04
6	58	-0.10	0.07	-0.24	-5.12e-04	-5.90e-04	-6.90e-05
6	59	-0.07	0.07	-0.31	-6.01e-04	-8.12e-04	-2.17e-04
6	60	0.05	-0.09	-0.22	4.25e-04	3.95e-04	2.39e-04
6	61	-0.12	0.12	-0.30	-8.55e-04	-1.06e-03	-2.84e-04
6	62	1.49e-03	-0.05	-0.21	1.71e-04	1.44e-04	1.72e-04
6	63	-0.07	0.07	-0.31	-5.97e-04	-8.08e-04	-2.17e-04
6	64	0.05	-0.10	-0.22	4.30e-04	3.98e-04	2.39e-04
6	65	-0.12	0.12	-0.30	-8.60e-04	-1.07e-03	-2.84e-04
6	66	9.63e-04	-0.05	-0.21	1.66e-04	1.40e-04	1.72e-04
6	67	-0.07	0.06	-0.30	-5.63e-04	-7.89e-04	-2.08e-04
6	68	0.05	-0.09	-0.22	3.86e-04	3.72e-04	2.30e-04
6	69	-0.11	0.11	-0.30	-8.17e-04	-1.04e-03	-2.75e-04
6	70	3.09e-04	-0.04	-0.21	1.32e-04	1.21e-04	1.63e-04
6	71	-0.07	0.06	-0.30	-5.58e-04	-7.85e-04	-2.08e-04
6	72	0.05	-0.09	-0.22	3.91e-04	3.75e-04	2.30e-04
6	73	-0.12	0.11	-0.30	-8.21e-04	-1.04e-03	-2.75e-04
6	74	-2.20e-04	-0.04	-0.21	1.28e-04	1.17e-04	1.63e-04
6	75	0.02	-0.03	-0.28	7.50e-06	-1.38e-04	1.39e-05
6	76	0.04	-0.07	-0.26	2.62e-04	1.61e-04	1.27e-04
6	77	-0.11	0.10	-0.26	-6.92e-04	-8.29e-04	-1.72e-04
6	78	-0.08	0.06	-0.24	-4.38e-04	-5.30e-04	-5.90e-05
6	79	0.02	-0.03	-0.28	1.71e-05	-1.32e-04	1.61e-05
6	80	0.04	-0.07	-0.26	2.52e-04	1.56e-04	1.25e-04

6	81	-0.11	0.09	-0.26	-6.83e-04	-8.23e-04	-1.70e-04
6	82	-0.08	0.06	-0.24	-4.47e-04	-5.35e-04	-6.12e-05
6	83	0.02	-0.03	-0.28	2.07e-05	-1.28e-04	1.37e-05
6	84	0.05	-0.07	-0.26	2.75e-04	1.71e-04	1.27e-04
6	85	-0.11	0.10	-0.26	-7.05e-04	-8.39e-04	-1.72e-04
6	86	-0.08	0.06	-0.24	-4.51e-04	-5.40e-04	-5.87e-05
6	87	0.02	-0.03	-0.28	3.04e-05	-1.22e-04	1.58e-05
6	88	0.05	-0.07	-0.26	2.66e-04	1.66e-04	1.25e-04
6	89	-0.11	0.10	-0.26	-6.96e-04	-8.33e-04	-1.70e-04
6	90	-0.09	0.06	-0.24	-4.60e-04	-5.46e-04	-6.09e-05
6	91	-0.06	0.06	-0.30	-5.34e-04	-7.29e-04	-1.83e-04
6	92	0.03	-0.08	-0.23	3.14e-04	2.68e-04	1.94e-04
6	93	-0.10	0.10	-0.29	-7.44e-04	-9.36e-04	-2.39e-04
6	94	-4.68e-03	-0.04	-0.22	1.04e-04	6.10e-05	1.38e-04
6	95	-0.06	0.06	-0.30	-5.30e-04	-7.26e-04	-1.83e-04
6	96	0.03	-0.08	-0.22	3.18e-04	2.71e-04	1.94e-04
6	97	-0.10	0.10	-0.29	-7.48e-04	-9.39e-04	-2.39e-04
6	98	-5.12e-03	-0.04	-0.22	1.00e-04	5.79e-05	1.38e-04
6	99	-0.06	0.06	-0.30	-5.02e-04	-7.10e-04	-1.76e-04
6	100	0.03	-0.07	-0.23	2.82e-04	2.49e-04	1.87e-04
6	101	-0.10	0.09	-0.29	-7.12e-04	-9.17e-04	-2.32e-04
6	102	-5.66e-03	-0.03	-0.22	7.22e-05	4.21e-05	1.31e-04
6	103	-0.06	0.05	-0.30	-4.98e-04	-7.07e-04	-1.76e-04
6	104	0.03	-0.07	-0.23	2.86e-04	2.52e-04	1.86e-04
6	105	-0.10	0.09	-0.29	-7.16e-04	-9.20e-04	-2.32e-04
6	106	-6.10e-03	-0.03	-0.22	6.83e-05	3.91e-05	1.31e-04
7	1	8.27e-04	-3.34e-04	-0.26	-5.40e-05	-1.13e-04	-1.55e-06
7	2	-1.03e-04	3.82e-04	-0.37	-2.85e-04	-6.23e-04	7.87e-06
7	3	6.53e-04	-2.70e-04	-0.20	-3.72e-05	-7.74e-05	-1.37e-06
7	4	-2.76e-04	4.45e-04	-0.31	-2.68e-04	-5.88e-04	8.05e-06
7	5	6.43e-04	-2.63e-04	-0.20	-3.97e-05	-8.28e-05	-1.27e-06
7	6	2.37e-05	2.14e-04	-0.27	-1.93e-04	-4.23e-04	5.01e-06
7	7	6.43e-04	-2.63e-04	-0.20	-3.97e-05	-8.28e-05	-1.27e-06
7	8	2.10e-04	7.12e-05	-0.25	-1.47e-04	-3.21e-04	3.12e-06
7	9	6.43e-04	-2.63e-04	-0.20	-3.97e-05	-8.28e-05	-1.27e-06
7	10	2.72e-04	2.36e-05	-0.24	-1.32e-04	-2.87e-04	2.50e-06
7	11	0.05	0.04	-0.21	2.07e-04	-5.25e-05	-6.30e-06
7	12	0.02	0.02	-0.16	6.36e-04	3.70e-04	9.39e-05
7	13	-0.02	-0.02	-0.33	-9.00e-04	-9.44e-04	-8.89e-05
7	14	-0.05	-0.04	-0.28	-4.71e-04	-5.21e-04	1.13e-05
7	15	0.05	0.04	-0.21	2.23e-04	-4.70e-05	-5.58e-06
7	16	0.02	0.02	-0.16	6.20e-04	3.64e-04	9.31e-05
7	17	-0.02	-0.02	-0.33	-8.84e-04	-9.38e-04	-8.81e-05
7	18	-0.05	-0.04	-0.28	-4.87e-04	-5.27e-04	1.06e-05
7	19	0.05	0.03	-0.21	2.27e-04	-3.77e-05	-6.49e-06
7	20	0.02	0.02	-0.16	6.57e-04	3.85e-04	9.37e-05
7	21	-0.02	-0.02	-0.33	-9.21e-04	-9.58e-04	-8.87e-05
7	22	-0.05	-0.03	-0.28	-4.91e-04	-5.36e-04	1.15e-05
7	23	0.05	0.03	-0.20	2.44e-04	-3.23e-05	-5.77e-06
7	24	0.02	0.02	-0.16	6.40e-04	3.79e-04	9.29e-05
7	25	-0.02	-0.02	-0.33	-9.04e-04	-9.53e-04	-8.80e-05
7	26	-0.05	-0.03	-0.28	-5.08e-04	-5.42e-04	1.08e-05
7	27	0.06	0.04	-0.31	-6.82e-04	-8.57e-04	-1.52e-04
7	28	-0.04	-0.02	-0.14	7.50e-04	5.51e-04	1.82e-04
7	29	0.04	0.02	-0.35	-1.01e-03	-1.12e-03	-1.77e-04
7	30	-0.06	-0.04	-0.17	4.18e-04	2.83e-04	1.57e-04
7	31	0.06	0.03	-0.31	-6.76e-04	-8.53e-04	-1.52e-04
7	32	-0.04	-0.02	-0.14	7.56e-04	5.55e-04	1.82e-04
7	33	0.04	0.02	-0.35	-1.02e-03	-1.13e-03	-1.77e-04
7	34	-0.06	-0.03	-0.17	4.12e-04	2.79e-04	1.57e-04
7	35	0.06	0.04	-0.30	-6.27e-04	-8.39e-04	-1.50e-04
7	36	-0.04	-0.02	-0.15	6.95e-04	5.33e-04	1.79e-04
7	37	0.04	0.02	-0.34	-9.59e-04	-1.11e-03	-1.74e-04
7	38	-0.06	-0.04	-0.18	3.63e-04	2.65e-04	1.55e-04
7	39	0.06	0.03	-0.30	-6.20e-04	-8.35e-04	-1.50e-04
7	40	-0.04	-0.02	-0.15	7.01e-04	5.37e-04	1.79e-04
7	41	0.04	0.02	-0.34	-9.65e-04	-1.11e-03	-1.74e-04
7	42	-0.06	-0.03	-0.18	3.57e-04	2.61e-04	1.55e-04
7	43	0.04	0.03	-0.22	1.37e-04	-1.03e-04	-4.79e-06
7	44	0.01	0.02	-0.17	4.76e-04	2.31e-04	7.43e-05
7	45	-0.01	-0.02	-0.31	-7.40e-04	-8.05e-04	-6.93e-05
7	46	-0.04	-0.03	-0.27	-4.01e-04	-4.71e-04	9.78e-06

7	47	0.04	0.03	-0.21	1.50e-04	-9.91e-05	-4.26e-06
7	48	0.01	0.02	-0.18	4.63e-04	2.26e-04	7.38e-05
7	49	-0.01	-0.02	-0.31	-7.27e-04	-8.00e-04	-6.88e-05
7	50	-0.04	-0.03	-0.27	-4.14e-04	-4.75e-04	9.26e-06
7	51	0.04	0.03	-0.21	1.53e-04	-9.22e-05	-4.96e-06
7	52	0.02	0.02	-0.17	4.93e-04	2.42e-04	7.41e-05
7	53	-0.01	-0.02	-0.31	-7.56e-04	-8.16e-04	-6.91e-05
7	54	-0.04	-0.03	-0.27	-4.17e-04	-4.82e-04	9.95e-06
7	55	0.04	0.03	-0.21	1.67e-04	-8.79e-05	-4.43e-06
7	56	0.02	0.01	-0.18	4.79e-04	2.38e-04	7.36e-05
7	57	-0.01	-0.01	-0.31	-7.43e-04	-8.11e-04	-6.86e-05
7	58	-0.04	-0.03	-0.27	-4.30e-04	-4.86e-04	9.42e-06
7	59	0.05	0.03	-0.30	-5.66e-04	-7.38e-04	-1.20e-04
7	60	-0.03	-0.01	-0.16	5.65e-04	3.75e-04	1.44e-04
7	61	0.03	0.01	-0.33	-8.29e-04	-9.49e-04	-1.39e-04
7	62	-0.05	-0.03	-0.19	3.02e-04	1.65e-04	1.25e-04
7	63	0.05	0.03	-0.30	-5.61e-04	-7.35e-04	-1.20e-04
7	64	-0.03	-0.01	-0.16	5.70e-04	3.78e-04	1.44e-04
7	65	0.03	0.01	-0.33	-8.34e-04	-9.52e-04	-1.39e-04
7	66	-0.05	-0.03	-0.19	2.97e-04	1.61e-04	1.25e-04
7	67	0.05	0.03	-0.29	-5.22e-04	-7.24e-04	-1.18e-04
7	68	-0.03	-0.01	-0.17	5.21e-04	3.61e-04	1.42e-04
7	69	0.03	0.01	-0.32	-7.85e-04	-9.35e-04	-1.37e-04
7	70	-0.05	-0.03	-0.20	2.58e-04	1.50e-04	1.23e-04
7	71	0.05	0.03	-0.29	-5.17e-04	-7.21e-04	-1.18e-04
7	72	-0.03	-0.01	-0.17	5.26e-04	3.64e-04	1.42e-04
7	73	0.03	0.01	-0.32	-7.90e-04	-9.38e-04	-1.37e-04
7	74	-0.05	-0.03	-0.20	2.53e-04	1.47e-04	1.23e-04
7	75	0.03	0.02	-0.22	9.04e-05	-1.35e-04	-3.52e-06
7	76	0.01	0.01	-0.19	3.71e-04	1.41e-04	6.19e-05
7	77	-0.01	-0.01	-0.30	-6.35e-04	-7.15e-04	-5.69e-05
7	78	-0.03	-0.02	-0.27	-3.54e-04	-4.39e-04	8.51e-06
7	79	0.03	0.02	-0.22	1.01e-04	-1.31e-04	-3.08e-06
7	80	0.01	0.01	-0.19	3.60e-04	1.38e-04	6.14e-05
7	81	-0.01	-0.01	-0.30	-6.24e-04	-7.12e-04	-5.64e-05
7	82	-0.03	-0.02	-0.27	-3.65e-04	-4.42e-04	8.07e-06
7	83	0.03	0.02	-0.22	1.04e-04	-1.26e-04	-3.66e-06
7	84	0.01	0.01	-0.19	3.84e-04	1.50e-04	6.17e-05
7	85	-0.01	-0.01	-0.30	-6.48e-04	-7.24e-04	-5.67e-05
7	86	-0.03	-0.02	-0.27	-3.68e-04	-4.48e-04	8.65e-06
7	87	0.03	0.02	-0.22	1.15e-04	-1.22e-04	-3.22e-06
7	88	0.01	0.01	-0.19	3.73e-04	1.47e-04	6.13e-05
7	89	-0.01	-0.01	-0.30	-6.37e-04	-7.21e-04	-5.63e-05
7	90	-0.03	-0.02	-0.27	-3.78e-04	-4.52e-04	8.21e-06
7	91	0.04	0.02	-0.29	-4.90e-04	-6.60e-04	-9.85e-05
7	92	-0.02	-0.01	-0.17	4.44e-04	2.60e-04	1.19e-04
7	93	0.02	0.01	-0.31	-7.08e-04	-8.34e-04	-1.14e-04
7	94	-0.04	-0.02	-0.20	2.27e-04	8.62e-05	1.03e-04
7	95	0.04	0.02	-0.29	-4.86e-04	-6.57e-04	-9.85e-05
7	96	-0.02	-0.01	-0.17	4.48e-04	2.63e-04	1.19e-04
7	97	0.02	0.01	-0.31	-7.12e-04	-8.37e-04	-1.14e-04
7	98	-0.04	-0.02	-0.20	2.23e-04	8.34e-05	1.03e-04
7	99	0.04	0.02	-0.28	-4.54e-04	-6.48e-04	-9.70e-05
7	100	-0.02	-0.01	-0.18	4.08e-04	2.49e-04	1.18e-04
7	101	0.03	0.01	-0.31	-6.72e-04	-8.22e-04	-1.13e-04
7	102	-0.04	-0.02	-0.20	1.91e-04	7.45e-05	1.02e-04
7	103	0.04	0.02	-0.28	-4.50e-04	-6.46e-04	-9.70e-05
7	104	-0.02	-0.01	-0.18	4.12e-04	2.51e-04	1.18e-04
7	105	0.03	0.01	-0.31	-6.76e-04	-8.25e-04	-1.13e-04
7	106	-0.04	-0.02	-0.20	1.86e-04	7.17e-05	1.02e-04
8	1	-1.01e-03	5.24e-04	-0.26	-3.66e-05	-9.36e-05	-8.43e-06
8	2	-0.01	4.78e-03	-0.37	-1.78e-04	-5.38e-04	-1.97e-05
8	3	-5.99e-04	3.23e-04	-0.20	-2.55e-05	-6.36e-05	-6.28e-06
8	4	-0.01	4.57e-03	-0.31	-1.67e-04	-5.08e-04	-1.75e-05
8	5	-7.00e-04	3.68e-04	-0.20	-2.70e-05	-6.83e-05	-6.40e-06
8	6	-7.03e-03	3.20e-03	-0.27	-1.21e-04	-3.64e-04	-1.39e-05
8	7	-7.00e-04	3.68e-04	-0.20	-2.70e-05	-6.83e-05	-6.40e-06
8	8	-5.13e-03	2.35e-03	-0.25	-9.29e-05	-2.76e-04	-1.16e-05
8	9	-7.00e-04	3.68e-04	-0.20	-2.70e-05	-6.83e-05	-6.40e-06
8	10	-4.50e-03	2.07e-03	-0.24	-8.35e-05	-2.46e-04	-1.09e-05
8	11	0.05	-0.02	-0.21	2.31e-04	1.03e-04	-1.94e-05
8	12	0.02	-0.04	-0.16	6.45e-04	3.69e-04	1.55e-04

8	13	-0.03	0.05	-0.33	-8.12e-04	-8.60e-04	-1.77e-04
8	14	-0.06	0.03	-0.28	-3.98e-04	-5.95e-04	-2.39e-06
8	15	0.05	-0.03	-0.21	2.48e-04	1.04e-04	-1.64e-05
8	16	0.02	-0.04	-0.16	6.28e-04	3.68e-04	1.52e-04
8	17	-0.03	0.05	-0.33	-7.95e-04	-8.59e-04	-1.74e-04
8	18	-0.06	0.03	-0.28	-4.15e-04	-5.96e-04	-5.35e-06
8	19	0.05	-0.02	-0.21	2.51e-04	1.22e-04	-1.83e-04
8	20	0.03	-0.04	-0.16	6.65e-04	3.88e-04	-8.43e-06
8	21	-0.03	0.05	-0.33	-8.32e-04	-8.79e-04	-1.33e-05
8	22	-0.06	0.03	-0.28	-4.18e-04	-6.13e-04	1.61e-04
8	23	0.05	-0.02	-0.20	2.68e-04	1.23e-04	-1.80e-04
8	24	0.03	-0.04	-0.16	6.48e-04	3.86e-04	-1.14e-05
8	25	-0.03	0.05	-0.33	-8.15e-04	-8.78e-04	-1.04e-05
8	26	-0.06	0.03	-0.28	-4.35e-04	-6.14e-04	1.58e-04
8	27	0.05	0.02	-0.31	-6.17e-04	-5.44e-04	-2.78e-04
8	28	-0.03	-0.04	-0.14	7.63e-04	3.42e-04	3.03e-04
8	29	0.02	0.04	-0.35	-9.30e-04	-8.33e-04	-3.25e-04
8	30	-0.06	-0.02	-0.17	4.50e-04	5.27e-05	2.56e-04
8	31	0.05	0.02	-0.31	-6.11e-04	-5.39e-04	-3.27e-04
8	32	-0.03	-0.04	-0.14	7.69e-04	3.47e-04	2.54e-04
8	33	0.02	0.04	-0.35	-9.36e-04	-8.39e-04	-2.76e-04
8	34	-0.06	-0.02	-0.17	4.44e-04	4.70e-05	3.05e-04
8	35	0.05	0.02	-0.30	-5.61e-04	-5.41e-04	-2.68e-04
8	36	-0.03	-0.04	-0.15	7.07e-04	3.38e-04	2.93e-04
8	37	0.02	0.04	-0.34	-8.74e-04	-8.30e-04	-3.15e-04
8	38	-0.06	-0.02	-0.18	3.94e-04	4.93e-05	2.46e-04
8	39	0.05	0.02	-0.30	-5.55e-04	-5.35e-04	-3.17e-04
8	40	-0.03	-0.04	-0.15	7.13e-04	3.44e-04	2.44e-04
8	41	0.02	0.04	-0.34	-8.80e-04	-8.36e-04	-2.66e-04
8	42	-0.06	-0.02	-0.18	3.88e-04	4.37e-05	2.95e-04
8	43	0.04	-0.02	-0.22	1.67e-04	2.71e-05	-1.83e-05
8	44	0.02	-0.03	-0.18	4.93e-04	2.36e-04	1.19e-04
8	45	-0.03	0.04	-0.31	-6.60e-04	-7.28e-04	-1.41e-04
8	46	-0.05	0.02	-0.27	-3.34e-04	-5.19e-04	-3.47e-06
8	47	0.04	-0.02	-0.21	1.80e-04	2.77e-05	-1.60e-05
8	48	0.02	-0.03	-0.18	4.80e-04	2.35e-04	1.17e-04
8	49	-0.03	0.04	-0.31	-6.47e-04	-7.27e-04	-1.39e-04
8	50	-0.05	0.02	-0.27	-3.47e-04	-5.20e-04	-5.76e-06
8	51	0.04	-0.02	-0.21	1.83e-04	4.09e-05	-1.46e-04
8	52	0.02	-0.03	-0.17	5.09e-04	2.49e-04	-8.14e-06
8	53	-0.03	0.04	-0.31	-6.76e-04	-7.41e-04	-1.36e-05
8	54	-0.05	0.02	-0.27	-3.50e-04	-5.33e-04	1.24e-04
8	55	0.04	-0.02	-0.21	1.96e-04	4.15e-05	-1.44e-04
8	56	0.02	-0.03	-0.18	4.96e-04	2.49e-04	-1.04e-05
8	57	-0.03	0.04	-0.31	-6.63e-04	-7.41e-04	-1.13e-05
8	58	-0.05	0.02	-0.27	-3.63e-04	-5.33e-04	1.22e-04
8	59	0.04	0.02	-0.30	-5.03e-04	-4.80e-04	-2.22e-04
8	60	-0.03	-0.03	-0.16	5.85e-04	2.15e-04	2.37e-04
8	61	0.02	0.03	-0.33	-7.51e-04	-7.07e-04	-2.59e-04
8	62	-0.05	-0.01	-0.19	3.36e-04	-1.15e-05	2.00e-04
8	63	0.04	0.02	-0.30	-4.98e-04	-4.76e-04	-2.60e-04
8	64	-0.03	-0.03	-0.16	5.89e-04	2.19e-04	1.99e-04
8	65	0.02	0.03	-0.33	-7.56e-04	-7.11e-04	-2.20e-04
8	66	-0.05	-0.01	-0.19	3.32e-04	-1.56e-05	2.38e-04
8	67	0.04	0.01	-0.29	-4.59e-04	-4.78e-04	-2.14e-04
8	68	-0.03	-0.03	-0.17	5.40e-04	2.13e-04	2.29e-04
8	69	0.02	0.03	-0.32	-7.07e-04	-7.05e-04	-2.51e-04
8	70	-0.05	-0.01	-0.20	2.92e-04	-1.35e-05	1.92e-04
8	71	0.04	0.01	-0.29	-4.54e-04	-4.74e-04	-2.53e-04
8	72	-0.03	-0.03	-0.17	5.45e-04	2.17e-04	1.91e-04
8	73	0.02	0.03	-0.32	-7.12e-04	-7.09e-04	-2.13e-04
8	74	-0.05	-0.01	-0.20	2.87e-04	-1.76e-05	2.31e-04
8	75	0.03	-0.02	-0.22	1.23e-04	-1.96e-05	-1.70e-05
8	76	0.01	-0.03	-0.19	3.93e-04	1.53e-04	9.68e-05
8	77	-0.02	0.03	-0.30	-5.60e-04	-6.45e-04	-1.19e-04
8	78	-0.04	0.02	-0.27	-2.90e-04	-4.72e-04	-4.79e-06
8	79	0.03	-0.02	-0.22	1.34e-04	-1.91e-05	-1.51e-05
8	80	0.01	-0.03	-0.19	3.82e-04	1.52e-04	9.49e-05
8	81	-0.02	0.03	-0.30	-5.49e-04	-6.44e-04	-1.17e-04
8	82	-0.04	0.02	-0.27	-3.01e-04	-4.73e-04	-6.69e-06
8	83	0.03	-0.02	-0.22	1.37e-04	-8.16e-06	-1.22e-04
8	84	0.02	-0.03	-0.19	4.06e-04	1.64e-04	-8.67e-06

8	85	-0.02	0.03	-0.30	-5.73e-04	-6.56e-04	-1.31e-05
8	86	-0.04	0.02	-0.27	-3.03e-04	-4.84e-04	1.01e-04
8	87	0.03	-0.02	-0.22	1.48e-04	-7.65e-06	-1.21e-04
8	88	0.01	-0.03	-0.19	3.95e-04	1.64e-04	-1.06e-05
8	89	-0.02	0.03	-0.30	-5.62e-04	-6.56e-04	-1.12e-05
8	90	-0.04	0.02	-0.27	-3.14e-04	-4.84e-04	9.88e-05
8	91	0.03	0.01	-0.29	-4.31e-04	-4.40e-04	-1.85e-04
8	92	-0.02	-0.02	-0.17	4.69e-04	1.35e-04	1.94e-04
8	93	0.01	0.03	-0.31	-6.36e-04	-6.27e-04	-2.16e-04
8	94	-0.04	-9.43e-03	-0.20	2.64e-04	-5.21e-05	1.64e-04
8	95	0.03	0.01	-0.29	-4.27e-04	-4.36e-04	-2.17e-04
8	96	-0.02	-0.02	-0.17	4.73e-04	1.39e-04	1.62e-04
8	97	0.01	0.03	-0.31	-6.40e-04	-6.31e-04	-1.84e-04
8	98	-0.04	-9.57e-03	-0.20	2.60e-04	-5.56e-05	1.95e-04
8	99	0.03	0.01	-0.28	-3.94e-04	-4.38e-04	-1.79e-04
8	100	-0.02	-0.02	-0.18	4.32e-04	1.34e-04	1.88e-04
8	101	0.01	0.03	-0.31	-5.99e-04	-6.25e-04	-2.09e-04
8	102	-0.04	-8.11e-03	-0.20	2.27e-04	-5.39e-05	1.57e-04
8	103	0.03	0.01	-0.28	-3.90e-04	-4.35e-04	-2.11e-04
8	104	-0.02	-0.02	-0.18	4.36e-04	1.37e-04	1.56e-04
8	105	0.01	0.03	-0.31	-6.03e-04	-6.29e-04	-1.78e-04
8	106	-0.04	-8.25e-03	-0.20	2.23e-04	-5.73e-05	1.89e-04
9	1	-0.01	2.72e-03	-0.26	-5.46e-05	-8.19e-05	-1.61e-05
9	2	-0.07	0.02	-0.35	-3.90e-04	-4.78e-04	-5.90e-05
9	3	-8.92e-03	1.78e-03	-0.20	-3.57e-05	-5.55e-05	-1.16e-05
9	4	-0.07	0.02	-0.29	-3.71e-04	-4.51e-04	-5.44e-05
9	5	-9.57e-03	1.96e-03	-0.20	-3.92e-05	-5.97e-05	-1.20e-05
9	6	-0.05	0.01	-0.26	-2.63e-04	-3.24e-04	-4.06e-05
9	7	-9.57e-03	1.96e-03	-0.20	-3.92e-05	-5.97e-05	-1.20e-05
9	8	-0.04	9.82e-03	-0.24	-1.96e-04	-2.44e-04	-3.20e-05
9	9	-9.57e-03	1.96e-03	-0.20	-3.92e-05	-5.97e-05	-1.20e-05
9	10	-0.03	8.70e-03	-0.23	-1.73e-04	-2.18e-04	-2.92e-05
9	11	0.04	-0.05	-0.27	1.43e-04	-4.16e-05	2.73e-05
9	12	0.09	-0.10	-0.28	5.47e-04	2.87e-04	2.02e-04
9	13	-0.15	0.12	-0.19	-8.94e-04	-7.23e-04	-2.61e-04
9	14	-0.11	0.07	-0.20	-4.90e-04	-3.94e-04	-8.56e-05
9	15	0.04	-0.05	-0.27	1.57e-04	-3.71e-05	3.08e-05
9	16	0.09	-0.10	-0.28	5.33e-04	2.82e-04	1.99e-04
9	17	-0.15	0.11	-0.19	-8.80e-04	-7.18e-04	-2.57e-04
9	18	-0.11	0.07	-0.20	-5.04e-04	-3.99e-04	-8.91e-05
9	19	0.04	-0.05	-0.27	1.63e-04	-1.90e-05	2.67e-05
9	20	0.09	-0.10	-0.28	5.66e-04	3.09e-04	2.02e-04
9	21	-0.16	0.12	-0.19	-9.13e-04	-7.45e-04	-2.60e-04
9	22	-0.11	0.07	-0.20	-5.10e-04	-4.17e-04	-8.50e-05
9	23	0.04	-0.05	-0.27	1.77e-04	-1.45e-05	3.02e-05
9	24	0.09	-0.10	-0.28	5.53e-04	3.05e-04	1.98e-04
9	25	-0.16	0.12	-0.18	-8.99e-04	-7.41e-04	-2.57e-04
9	26	-0.11	0.07	-0.20	-5.24e-04	-4.22e-04	-8.85e-05
9	27	-0.08	0.07	-0.23	-6.91e-04	-6.63e-04	-2.78e-04
9	28	0.07	-0.10	-0.26	6.55e-04	4.31e-04	3.06e-04
9	29	-0.14	0.12	-0.20	-1.00e-03	-8.67e-04	-3.64e-04
9	30	0.01	-0.05	-0.24	3.44e-04	2.27e-04	2.19e-04
9	31	-0.08	0.07	-0.23	-6.85e-04	-6.56e-04	-2.78e-04
9	32	0.07	-0.10	-0.26	6.61e-04	4.38e-04	3.05e-04
9	33	-0.14	0.12	-0.20	-1.01e-03	-8.74e-04	-3.64e-04
9	34	0.01	-0.05	-0.24	3.38e-04	2.20e-04	2.19e-04
9	35	-0.08	0.06	-0.23	-6.44e-04	-6.48e-04	-2.66e-04
9	36	0.07	-0.09	-0.26	6.08e-04	4.16e-04	2.94e-04
9	37	-0.14	0.11	-0.20	-9.55e-04	-8.52e-04	-3.52e-04
9	38	9.74e-03	-0.04	-0.24	2.97e-04	2.12e-04	2.08e-04
9	39	-0.08	0.06	-0.23	-6.38e-04	-6.41e-04	-2.66e-04
9	40	0.07	-0.09	-0.27	6.14e-04	4.23e-04	2.94e-04
9	41	-0.14	0.11	-0.20	-9.61e-04	-8.59e-04	-3.52e-04
9	42	9.01e-03	-0.04	-0.24	2.91e-04	2.05e-04	2.08e-04
9	43	0.03	-0.04	-0.26	7.78e-05	-8.12e-05	1.57e-05
9	44	0.06	-0.08	-0.27	3.97e-04	1.77e-04	1.54e-04
9	45	-0.13	0.09	-0.20	-7.44e-04	-6.13e-04	-2.12e-04
9	46	-0.09	0.06	-0.20	-4.25e-04	-3.55e-04	-7.40e-05
9	47	0.03	-0.04	-0.26	8.88e-05	-7.79e-05	1.83e-05
9	48	0.06	-0.07	-0.27	3.86e-04	1.74e-04	1.51e-04
9	49	-0.13	0.09	-0.20	-7.33e-04	-6.10e-04	-2.09e-04
9	50	-0.09	0.06	-0.21	-4.36e-04	-3.58e-04	-7.67e-05

9	51	0.03	-0.04	-0.26	9.33e-05	-6.40e-05	1.52e-05
9	52	0.06	-0.08	-0.27	4.12e-04	1.95e-04	1.53e-04
9	53	-0.13	0.10	-0.20	-7.59e-04	-6.31e-04	-2.12e-04
9	54	-0.10	0.06	-0.20	-4.40e-04	-3.72e-04	-7.35e-05
9	55	0.03	-0.04	-0.26	1.04e-04	-6.06e-05	1.79e-05
9	56	0.06	-0.08	-0.27	4.01e-04	1.91e-04	1.51e-04
9	57	-0.13	0.09	-0.20	-7.48e-04	-6.27e-04	-2.09e-04
9	58	-0.10	0.06	-0.20	-4.51e-04	-3.75e-04	-7.62e-05
9	59	-0.07	0.05	-0.23	-5.82e-04	-5.69e-04	-2.25e-04
9	60	0.05	-0.08	-0.26	4.82e-04	2.93e-04	2.35e-04
9	61	-0.12	0.09	-0.21	-8.29e-04	-7.29e-04	-2.93e-04
9	62	1.73e-03	-0.04	-0.24	2.35e-04	1.33e-04	1.67e-04
9	63	-0.07	0.05	-0.23	-5.77e-04	-5.64e-04	-2.25e-04
9	64	0.05	-0.08	-0.26	4.86e-04	2.98e-04	2.35e-04
9	65	-0.12	0.09	-0.21	-8.33e-04	-7.34e-04	-2.93e-04
9	66	1.20e-03	-0.04	-0.24	2.31e-04	1.28e-04	1.67e-04
9	67	-0.07	0.05	-0.23	-5.46e-04	-5.58e-04	-2.16e-04
9	68	0.05	-0.07	-0.26	4.45e-04	2.81e-04	2.26e-04
9	69	-0.11	0.08	-0.21	-7.92e-04	-7.18e-04	-2.85e-04
9	70	5.33e-04	-0.03	-0.24	1.99e-04	1.22e-04	1.58e-04
9	71	-0.07	0.04	-0.23	-5.41e-04	-5.53e-04	-2.16e-04
9	72	0.05	-0.07	-0.26	4.50e-04	2.87e-04	2.26e-04
9	73	-0.12	0.09	-0.21	-7.97e-04	-7.23e-04	-2.84e-04
9	74	3.85e-06	-0.03	-0.24	1.94e-04	1.17e-04	1.58e-04
9	75	0.02	-0.03	-0.26	3.42e-05	-1.05e-04	7.91e-06
9	76	0.04	-0.06	-0.27	2.98e-04	1.09e-04	1.22e-04
9	77	-0.11	0.08	-0.20	-6.45e-04	-5.45e-04	-1.80e-04
9	78	-0.08	0.05	-0.21	-3.81e-04	-3.31e-04	-6.62e-05
9	79	0.02	-0.03	-0.26	4.33e-05	-1.02e-04	1.01e-05
9	80	0.04	-0.06	-0.27	2.89e-04	1.06e-04	1.20e-04
9	81	-0.11	0.08	-0.20	-6.36e-04	-5.42e-04	-1.78e-04
9	82	-0.08	0.05	-0.21	-3.90e-04	-3.34e-04	-6.85e-05
9	83	0.02	-0.03	-0.26	4.70e-05	-9.03e-05	7.49e-06
9	84	0.05	-0.06	-0.27	3.11e-04	1.23e-04	1.22e-04
9	85	-0.11	0.08	-0.20	-6.58e-04	-5.59e-04	-1.80e-04
9	86	-0.08	0.05	-0.21	-3.94e-04	-3.46e-04	-6.58e-05
9	87	0.02	-0.03	-0.26	5.61e-05	-8.75e-05	9.70e-06
9	88	0.05	-0.06	-0.27	3.02e-04	1.21e-04	1.19e-04
9	89	-0.11	0.08	-0.20	-6.49e-04	-5.57e-04	-1.78e-04
9	90	-0.09	0.05	-0.21	-4.03e-04	-3.49e-04	-6.80e-05
9	91	-0.06	0.05	-0.23	-5.11e-04	-5.08e-04	-1.91e-04
9	92	0.03	-0.06	-0.25	3.68e-04	2.04e-04	1.89e-04
9	93	-0.10	0.08	-0.22	-7.15e-04	-6.40e-04	-2.48e-04
9	94	-4.48e-03	-0.03	-0.24	1.64e-04	7.21e-05	1.33e-04
9	95	-0.06	0.05	-0.23	-5.07e-04	-5.04e-04	-1.91e-04
9	96	0.03	-0.06	-0.25	3.72e-04	2.09e-04	1.89e-04
9	97	-0.10	0.08	-0.22	-7.19e-04	-6.45e-04	-2.48e-04
9	98	-4.92e-03	-0.03	-0.24	1.60e-04	6.78e-05	1.33e-04
9	99	-0.06	0.04	-0.23	-4.81e-04	-4.99e-04	-1.84e-04
9	100	0.03	-0.05	-0.25	3.38e-04	1.95e-04	1.82e-04
9	101	-0.10	0.07	-0.21	-6.85e-04	-6.31e-04	-2.40e-04
9	102	-5.47e-03	-0.02	-0.24	1.34e-04	6.29e-05	1.25e-04
9	103	-0.06	0.04	-0.23	-4.77e-04	-4.95e-04	-1.84e-04
9	104	0.03	-0.05	-0.25	3.42e-04	1.99e-04	1.82e-04
9	105	-0.10	0.07	-0.21	-6.89e-04	-6.35e-04	-2.40e-04
9	106	-5.91e-03	-0.02	-0.24	1.30e-04	5.86e-05	1.26e-04
10	1	2.74e-04	-2.79e-04	-0.26	-2.54e-05	-1.32e-04	-2.80e-06
10	2	7.08e-04	-1.72e-04	-0.34	-2.04e-04	-7.04e-04	-1.12e-06
10	3	2.02e-04	-2.16e-04	-0.20	-1.62e-05	-9.06e-05	-2.19e-06
10	4	6.37e-04	-1.10e-04	-0.28	-1.94e-04	-6.63e-04	0.0
10	5	2.07e-04	-2.15e-04	-0.20	-1.81e-05	-9.67e-05	-2.17e-06
10	6	4.97e-04	-1.44e-04	-0.25	-1.37e-04	-4.78e-04	-1.05e-06
10	7	2.07e-04	-2.15e-04	-0.20	-1.81e-05	-9.67e-05	-2.17e-06
10	8	4.10e-04	-1.66e-04	-0.23	-1.01e-04	-3.64e-04	-1.38e-06
10	9	2.07e-04	-2.15e-04	-0.20	-1.81e-05	-9.67e-05	-2.17e-06
10	10	3.81e-04	-1.73e-04	-0.23	-8.94e-05	-3.25e-04	-1.50e-06
10	11	0.04	0.04	-0.27	1.78e-04	-1.73e-04	-2.05e-05
10	12	0.04	0.02	-0.30	5.47e-04	3.05e-04	7.25e-05
10	13	-0.03	-0.02	-0.16	-7.25e-04	-9.56e-04	-7.55e-05
10	14	-0.04	-0.04	-0.18	-3.57e-04	-4.78e-04	1.75e-05
10	15	0.04	0.04	-0.27	1.90e-04	-1.67e-04	-2.02e-05
10	16	0.03	0.02	-0.30	5.34e-04	2.99e-04	7.22e-05

10	17	-0.03	-0.02	-0.16	-7.13e-04	-9.50e-04	-7.52e-05
10	18	-0.04	-0.04	-0.18	-3.69e-04	-4.84e-04	1.72e-05
10	19	0.04	-0.02	-0.28	1.96e-04	-1.60e-04	-2.12e-05
10	20	0.04	-0.04	-0.30	5.65e-04	3.18e-04	7.17e-05
10	21	-0.03	0.04	-0.16	-7.44e-04	-9.69e-04	-7.47e-05
10	22	-0.04	0.02	-0.18	-3.75e-04	-4.91e-04	1.82e-05
10	23	0.04	-0.02	-0.28	2.08e-04	-1.54e-04	-2.10e-05
10	24	0.03	-0.04	-0.30	5.53e-04	3.12e-04	7.15e-05
10	25	-0.03	0.04	-0.16	-7.32e-04	-9.63e-04	-7.45e-05
10	26	-0.04	0.02	-0.18	-3.87e-04	-4.97e-04	1.80e-05
10	27	0.03	0.03	-0.20	-5.69e-04	-1.00e-03	-1.48e-04
10	28	-2.46e-03	-0.02	-0.29	6.61e-04	5.88e-04	1.62e-04
10	29	3.23e-03	0.02	-0.16	-8.40e-04	-1.24e-03	-1.65e-04
10	30	-0.03	-0.03	-0.26	3.90e-04	3.53e-04	1.45e-04
10	31	0.03	0.02	-0.20	-5.63e-04	-1.00e-03	-1.48e-04
10	32	-2.48e-03	-0.03	-0.29	6.66e-04	5.92e-04	1.61e-04
10	33	3.24e-03	0.03	-0.16	-8.45e-04	-1.24e-03	-1.64e-04
10	34	-0.03	-0.02	-0.26	3.84e-04	3.49e-04	1.45e-04
10	35	0.03	0.03	-0.20	-5.28e-04	-9.85e-04	-1.47e-04
10	36	-4.35e-03	-0.01	-0.29	6.20e-04	5.69e-04	1.61e-04
10	37	5.11e-03	0.01	-0.17	-7.99e-04	-1.22e-03	-1.64e-04
10	38	-0.03	-0.03	-0.26	3.49e-04	3.34e-04	1.44e-04
10	39	0.03	0.01	-0.20	-5.23e-04	-9.81e-04	-1.48e-04
10	40	-4.37e-03	-0.03	-0.29	6.26e-04	5.73e-04	1.61e-04
10	41	5.13e-03	0.03	-0.17	-8.05e-04	-1.22e-03	-1.64e-04
10	42	-0.03	-0.02	-0.26	3.44e-04	3.30e-04	1.45e-04
10	43	0.03	0.03	-0.26	1.23e-04	-2.07e-04	-1.69e-05
10	44	0.03	0.02	-0.29	4.14e-04	1.71e-04	5.65e-05
10	45	-0.03	-0.02	-0.17	-5.93e-04	-8.22e-04	-5.95e-05
10	46	-0.03	-0.03	-0.19	-3.01e-04	-4.44e-04	1.39e-05
10	47	0.04	0.03	-0.26	1.32e-04	-2.02e-04	-1.67e-05
10	48	0.03	0.02	-0.29	4.05e-04	1.67e-04	5.63e-05
10	49	-0.03	-0.02	-0.17	-5.83e-04	-8.18e-04	-5.93e-05
10	50	-0.03	-0.03	-0.19	-3.11e-04	-4.49e-04	1.38e-05
10	51	0.03	-0.02	-0.27	1.37e-04	-1.97e-04	-1.75e-05
10	52	0.03	-0.03	-0.29	4.29e-04	1.81e-04	5.58e-05
10	53	-0.03	0.03	-0.17	-6.08e-04	-8.32e-04	-5.88e-05
10	54	-0.03	0.02	-0.19	-3.16e-04	-4.54e-04	1.46e-05
10	55	0.04	-0.02	-0.27	1.47e-04	-1.92e-04	-1.74e-05
10	56	0.03	-0.03	-0.29	4.19e-04	1.77e-04	5.57e-05
10	57	-0.03	0.03	-0.17	-5.98e-04	-8.28e-04	-5.87e-05
10	58	-0.03	0.02	-0.19	-3.25e-04	-4.59e-04	1.44e-05
10	59	0.02	0.02	-0.21	-4.68e-04	-8.63e-04	-1.17e-04
10	60	-1.87e-03	-0.01	-0.28	5.04e-04	3.97e-04	1.27e-04
10	61	2.63e-03	0.01	-0.18	-6.83e-04	-1.05e-03	-1.30e-04
10	62	-0.02	-0.02	-0.25	2.89e-04	2.12e-04	1.14e-04
10	63	0.02	0.01	-0.21	-4.64e-04	-8.60e-04	-1.18e-04
10	64	-1.91e-03	-0.02	-0.28	5.08e-04	4.00e-04	1.27e-04
10	65	2.67e-03	0.02	-0.18	-6.87e-04	-1.05e-03	-1.30e-04
10	66	-0.02	-0.01	-0.25	2.85e-04	2.09e-04	1.15e-04
10	67	0.02	0.02	-0.21	-4.36e-04	-8.48e-04	-1.17e-04
10	68	-3.35e-03	-0.01	-0.28	4.72e-04	3.82e-04	1.27e-04
10	69	4.12e-03	0.01	-0.18	-6.51e-04	-1.03e-03	-1.30e-04
10	70	-0.02	-0.02	-0.25	2.57e-04	1.97e-04	1.14e-04
10	71	0.02	0.01	-0.21	-4.32e-04	-8.45e-04	-1.17e-04
10	72	-3.39e-03	-0.02	-0.28	4.76e-04	3.85e-04	1.26e-04
10	73	4.15e-03	0.02	-0.18	-6.55e-04	-1.04e-03	-1.29e-04
10	74	-0.02	-0.01	-0.25	2.53e-04	1.94e-04	1.14e-04
10	75	0.03	0.02	-0.26	8.58e-05	-2.27e-04	-1.42e-05
10	76	0.02	0.01	-0.28	3.27e-04	8.54e-05	4.64e-05
10	77	-0.02	-0.01	-0.18	-5.06e-04	-7.36e-04	-4.94e-05
10	78	-0.03	-0.02	-0.20	-2.65e-04	-4.24e-04	1.12e-05
10	79	0.03	0.02	-0.26	9.37e-05	-2.23e-04	-1.41e-05
10	80	0.02	0.01	-0.28	3.19e-04	8.17e-05	4.63e-05
10	81	-0.02	-0.01	-0.18	-4.98e-04	-7.33e-04	-4.93e-05
10	82	-0.03	-0.02	-0.20	-2.73e-04	-4.28e-04	1.11e-05
10	83	0.03	-0.01	-0.26	9.78e-05	-2.19e-04	-1.48e-05
10	84	0.02	-0.02	-0.28	3.39e-04	9.38e-05	4.59e-05
10	85	-0.02	0.02	-0.18	-5.18e-04	-7.45e-04	-4.89e-05
10	86	-0.03	0.01	-0.20	-2.77e-04	-4.32e-04	1.18e-05
10	87	0.03	-0.01	-0.26	1.06e-04	-2.15e-04	-1.46e-05
10	88	0.02	-0.02	-0.28	3.31e-04	9.00e-05	4.58e-05

10	89	-0.02	0.02	-0.18	-5.10e-04	-7.41e-04	-4.88e-05
10	90	-0.03	0.01	-0.20	-2.85e-04	-4.36e-04	1.16e-05
10	91	0.02	0.02	-0.21	-4.02e-04	-7.70e-04	-9.73e-05
10	92	-1.48e-03	-9.33e-03	-0.27	4.01e-04	2.72e-04	1.05e-04
10	93	2.24e-03	8.99e-03	-0.19	-5.80e-04	-9.23e-04	-1.08e-04
10	94	-0.02	-0.02	-0.25	2.24e-04	1.19e-04	9.43e-05
10	95	0.02	9.18e-03	-0.21	-3.99e-04	-7.67e-04	-9.75e-05
10	96	-1.51e-03	-0.02	-0.27	4.05e-04	2.74e-04	1.05e-04
10	97	2.27e-03	0.02	-0.19	-5.83e-04	-9.25e-04	-1.08e-04
10	98	-0.02	-9.52e-03	-0.25	2.20e-04	1.16e-04	9.45e-05
10	99	0.02	0.02	-0.21	-3.76e-04	-7.57e-04	-9.69e-05
10	100	-2.70e-03	-8.83e-03	-0.27	3.75e-04	2.59e-04	1.04e-04
10	101	3.47e-03	8.49e-03	-0.19	-5.54e-04	-9.10e-04	-1.07e-04
10	102	-0.02	-0.02	-0.25	1.97e-04	1.06e-04	9.39e-05
10	103	0.02	8.68e-03	-0.21	-3.72e-04	-7.55e-04	-9.70e-05
10	104	-2.74e-03	-0.02	-0.27	3.78e-04	2.62e-04	1.04e-04
10	105	3.50e-03	0.02	-0.19	-5.57e-04	-9.13e-04	-1.07e-04
10	106	-0.02	-9.02e-03	-0.25	1.94e-04	1.04e-04	9.40e-05
11	1	-0.01	3.56e-03	-0.26	-5.29e-05	-1.01e-04	-1.59e-05
11	2	-0.08	0.02	-0.34	-2.89e-04	-5.78e-04	-5.94e-05
11	3	-9.86e-03	2.37e-03	-0.20	-3.62e-05	-6.88e-05	-1.14e-05
11	4	-0.07	0.02	-0.28	-2.73e-04	-5.45e-04	-5.49e-05
11	5	-0.01	2.58e-03	-0.20	-3.88e-05	-7.39e-05	-1.19e-05
11	6	-0.05	0.02	-0.25	-1.96e-04	-3.91e-04	-4.09e-05
11	7	-0.01	2.58e-03	-0.20	-3.88e-05	-7.39e-05	-1.19e-05
11	8	-0.04	0.01	-0.24	-1.49e-04	-2.96e-04	-3.22e-05
11	9	-0.01	2.58e-03	-0.20	-3.88e-05	-7.39e-05	-1.19e-05
11	10	-0.04	0.01	-0.23	-1.33e-04	-2.64e-04	-2.93e-05
11	11	0.04	-0.05	-0.27	1.69e-04	1.91e-05	2.74e-05
11	12	0.10	-0.11	-0.30	5.85e-04	4.33e-04	2.00e-04
11	13	-0.17	0.13	-0.16	-8.51e-04	-9.62e-04	-2.59e-04
11	14	-0.12	0.07	-0.18	-4.35e-04	-5.48e-04	-8.60e-05
11	15	0.04	-0.05	-0.28	1.83e-04	2.49e-05	3.09e-05
11	16	0.10	-0.10	-0.30	5.70e-04	4.27e-04	1.97e-04
11	17	-0.17	0.12	-0.16	-8.37e-04	-9.56e-04	-2.55e-04
11	18	-0.12	0.07	-0.18	-4.50e-04	-5.54e-04	-8.95e-05
11	19	0.05	-0.05	-0.28	1.88e-04	3.47e-05	2.71e-05
11	20	0.10	-0.11	-0.30	6.04e-04	4.49e-04	2.00e-04
11	21	-0.18	0.13	-0.16	-8.70e-04	-9.78e-04	-2.58e-04
11	22	-0.12	0.07	-0.18	-4.54e-04	-5.64e-04	-8.57e-05
11	23	0.05	-0.06	-0.28	2.02e-04	4.06e-05	3.06e-05
11	24	0.10	-0.11	-0.30	5.89e-04	4.43e-04	1.96e-04
11	25	-0.18	0.13	-0.16	-8.56e-04	-9.72e-04	-2.55e-04
11	26	-0.12	0.08	-0.18	-4.69e-04	-5.69e-04	-8.91e-05
11	27	-0.10	0.08	-0.20	-6.74e-04	-8.08e-04	-2.74e-04
11	28	0.09	-0.11	-0.29	7.13e-04	5.73e-04	3.01e-04
11	29	-0.16	0.13	-0.17	-9.80e-04	-1.10e-03	-3.60e-04
11	30	0.03	-0.06	-0.26	4.07e-04	2.79e-04	2.16e-04
11	31	-0.10	0.08	-0.20	-6.68e-04	-8.03e-04	-2.74e-04
11	32	0.09	-0.11	-0.29	7.19e-04	5.78e-04	3.01e-04
11	33	-0.17	0.13	-0.17	-9.85e-04	-1.11e-03	-3.60e-04
11	34	0.03	-0.05	-0.26	4.01e-04	2.74e-04	2.16e-04
11	35	-0.10	0.07	-0.20	-6.25e-04	-7.88e-04	-2.63e-04
11	36	0.09	-0.10	-0.29	6.65e-04	5.54e-04	2.90e-04
11	37	-0.16	0.12	-0.17	-9.31e-04	-1.08e-03	-3.48e-04
11	38	0.02	-0.05	-0.26	3.59e-04	2.59e-04	2.04e-04
11	39	-0.10	0.06	-0.20	-6.20e-04	-7.83e-04	-2.63e-04
11	40	0.09	-0.10	-0.29	6.71e-04	5.58e-04	2.90e-04
11	41	-0.16	0.12	-0.17	-9.37e-04	-1.09e-03	-3.48e-04
11	42	0.02	-0.04	-0.26	3.53e-04	2.55e-04	2.04e-04
11	43	0.03	-0.04	-0.27	1.07e-04	-4.19e-05	1.57e-05
11	44	0.07	-0.08	-0.29	4.35e-04	2.86e-04	1.52e-04
11	45	-0.15	0.10	-0.17	-7.02e-04	-8.15e-04	-2.11e-04
11	46	-0.10	0.06	-0.19	-3.73e-04	-4.87e-04	-7.43e-05
11	47	0.03	-0.04	-0.27	1.18e-04	-3.74e-05	1.84e-05
11	48	0.07	-0.08	-0.29	4.24e-04	2.81e-04	1.49e-04
11	49	-0.14	0.10	-0.17	-6.90e-04	-8.10e-04	-2.08e-04
11	50	-0.10	0.06	-0.19	-3.85e-04	-4.91e-04	-7.70e-05
11	51	0.03	-0.04	-0.27	1.21e-04	-3.01e-05	1.55e-05
11	52	0.07	-0.08	-0.29	4.50e-04	2.97e-04	1.52e-04
11	53	-0.15	0.10	-0.17	-7.17e-04	-8.26e-04	-2.10e-04
11	54	-0.10	0.06	-0.19	-3.88e-04	-4.99e-04	-7.41e-05

11	55	0.03	-0.04	-0.27	1.33e-04	-2.55e-05	1.81e-05
11	56	0.07	-0.08	-0.29	4.39e-04	2.93e-04	1.49e-04
11	57	-0.15	0.10	-0.17	-7.05e-04	-8.22e-04	-2.08e-04
11	58	-0.10	0.06	-0.19	-3.99e-04	-5.03e-04	-7.67e-05
11	59	-0.09	0.06	-0.21	-5.60e-04	-6.95e-04	-2.23e-04
11	60	0.07	-0.08	-0.28	5.36e-04	3.97e-04	2.32e-04
11	61	-0.14	0.10	-0.18	-8.02e-04	-9.26e-04	-2.90e-04
11	62	0.01	-0.04	-0.25	2.93e-04	1.66e-04	1.64e-04
11	63	-0.09	0.06	-0.21	-5.55e-04	-6.91e-04	-2.23e-04
11	64	0.07	-0.08	-0.28	5.40e-04	4.01e-04	2.32e-04
11	65	-0.14	0.10	-0.18	-8.07e-04	-9.30e-04	-2.90e-04
11	66	0.01	-0.04	-0.25	2.89e-04	1.62e-04	1.64e-04
11	67	-0.08	0.05	-0.21	-5.22e-04	-6.79e-04	-2.14e-04
11	68	0.06	-0.07	-0.28	4.98e-04	3.82e-04	2.23e-04
11	69	-0.14	0.10	-0.18	-7.64e-04	-9.11e-04	-2.82e-04
11	70	0.01	-0.03	-0.25	2.55e-04	1.50e-04	1.55e-04
11	71	-0.08	0.05	-0.21	-5.17e-04	-6.76e-04	-2.14e-04
11	72	0.06	-0.08	-0.28	5.02e-04	3.86e-04	2.23e-04
11	73	-0.14	0.10	-0.18	-7.69e-04	-9.15e-04	-2.82e-04
11	74	0.01	-0.03	-0.25	2.51e-04	1.47e-04	1.55e-04
11	75	0.02	-0.03	-0.26	6.49e-05	-8.02e-05	7.94e-06
11	76	0.05	-0.07	-0.28	3.37e-04	1.91e-04	1.21e-04
11	77	-0.13	0.09	-0.18	-6.03e-04	-7.19e-04	-1.79e-04
11	78	-0.09	0.05	-0.20	-3.32e-04	-4.49e-04	-6.65e-05
11	79	0.02	-0.03	-0.26	7.43e-05	-7.64e-05	1.01e-05
11	80	0.05	-0.06	-0.28	3.27e-04	1.87e-04	1.18e-04
11	81	-0.13	0.08	-0.18	-5.94e-04	-7.16e-04	-1.77e-04
11	82	-0.09	0.05	-0.20	-3.41e-04	-4.52e-04	-6.87e-05
11	83	0.02	-0.03	-0.26	7.73e-05	-7.04e-05	7.70e-06
11	84	0.05	-0.07	-0.28	3.49e-04	2.00e-04	1.20e-04
11	85	-0.13	0.09	-0.18	-6.16e-04	-7.29e-04	-1.79e-04
11	86	-0.09	0.05	-0.20	-3.44e-04	-4.58e-04	-6.63e-05
11	87	0.02	-0.03	-0.26	8.67e-05	-6.66e-05	9.89e-06
11	88	0.05	-0.07	-0.28	3.40e-04	1.97e-04	1.18e-04
11	89	-0.13	0.09	-0.18	-6.06e-04	-7.25e-04	-1.77e-04
11	90	-0.09	0.05	-0.20	-3.53e-04	-4.62e-04	-6.85e-05
11	91	-0.08	0.05	-0.21	-4.86e-04	-6.20e-04	-1.89e-04
11	92	0.05	-0.07	-0.27	4.20e-04	2.83e-04	1.87e-04
11	93	-0.12	0.09	-0.19	-6.86e-04	-8.12e-04	-2.45e-04
11	94	4.97e-03	-0.03	-0.25	2.19e-04	9.10e-05	1.30e-04
11	95	-0.08	0.05	-0.21	-4.82e-04	-6.17e-04	-1.89e-04
11	96	0.05	-0.07	-0.27	4.23e-04	2.86e-04	1.86e-04
11	97	-0.12	0.09	-0.19	-6.90e-04	-8.15e-04	-2.45e-04
11	98	4.64e-03	-0.03	-0.25	2.16e-04	8.81e-05	1.30e-04
11	99	-0.08	0.05	-0.21	-4.55e-04	-6.07e-04	-1.82e-04
11	100	0.05	-0.06	-0.27	3.88e-04	2.70e-04	1.79e-04
11	101	-0.12	0.08	-0.19	-6.55e-04	-7.99e-04	-2.38e-04
11	102	3.60e-03	-0.03	-0.25	1.88e-04	7.84e-05	1.23e-04
11	103	-0.08	0.05	-0.21	-4.51e-04	-6.04e-04	-1.82e-04
11	104	0.05	-0.06	-0.27	3.92e-04	2.73e-04	1.79e-04
11	105	-0.12	0.08	-0.19	-6.59e-04	-8.02e-04	-2.38e-04
11	106	3.27e-03	-0.02	-0.25	1.84e-04	7.54e-05	1.23e-04
12	1	-0.02	5.30e-03	-0.26	-2.08e-05	-1.49e-04	-1.62e-05
12	2	-0.09	0.03	-0.38	-1.13e-04	-7.90e-04	-5.40e-05
12	3	-0.01	3.62e-03	-0.20	-1.43e-05	-1.02e-04	-1.18e-05
12	4	-0.08	0.03	-0.31	-1.07e-04	-7.43e-04	-4.95e-05
12	5	-0.01	3.88e-03	-0.20	-1.53e-05	-1.09e-04	-1.22e-05
12	6	-0.06	0.02	-0.28	-7.70e-05	-5.36e-04	-3.73e-05
12	7	-0.01	3.88e-03	-0.20	-1.53e-05	-1.09e-04	-1.22e-05
12	8	-0.04	0.01	-0.26	-5.85e-05	-4.08e-04	-2.98e-05
12	9	-0.01	3.88e-03	-0.20	-1.53e-05	-1.09e-04	-1.22e-05
12	10	-0.04	0.01	-0.25	-5.23e-05	-3.65e-04	-2.73e-05
12	11	0.05	-0.06	-0.30	2.96e-04	-2.62e-05	2.99e-05
12	12	0.13	-0.13	-0.33	8.95e-04	3.90e-04	2.32e-04
12	13	-0.20	0.15	-0.16	-1.00e-03	-1.12e-03	-2.86e-04
12	14	-0.13	0.08	-0.19	-4.01e-04	-7.05e-04	-8.44e-05
12	15	0.05	-0.06	-0.30	3.17e-04	-2.22e-05	3.40e-05
12	16	0.12	-0.12	-0.33	8.75e-04	3.86e-04	2.28e-04
12	17	-0.20	0.15	-0.16	-9.79e-04	-1.12e-03	-2.82e-04
12	18	-0.13	0.09	-0.19	-4.21e-04	-7.09e-04	-8.85e-05
12	19	0.05	-0.06	-0.31	3.25e-04	-2.24e-05	3.08e-05
12	20	0.13	-0.13	-0.34	9.25e-04	3.94e-04	2.33e-04

12	21	-0.21	0.16	-0.16	-1.03e-03	-1.12e-03	-2.87e-04
12	22	-0.13	0.09	-0.19	-4.30e-04	-7.08e-04	-8.53e-05
12	23	0.05	-0.06	-0.31	3.46e-04	-1.83e-05	3.48e-05
12	24	0.13	-0.13	-0.33	9.04e-04	3.90e-04	2.29e-04
12	25	-0.20	0.15	-0.16	-1.01e-03	-1.12e-03	-2.83e-04
12	26	-0.13	0.09	-0.19	-4.51e-04	-7.12e-04	-8.94e-05
12	27	-0.13	0.10	-0.22	-8.57e-04	-8.95e-04	-3.17e-04
12	28	0.13	-0.14	-0.32	1.14e-03	4.92e-04	3.57e-04
12	29	-0.21	0.16	-0.18	-1.25e-03	-1.22e-03	-4.12e-04
12	30	0.05	-0.08	-0.28	7.52e-04	1.64e-04	2.62e-04
12	31	-0.13	0.10	-0.22	-8.48e-04	-8.93e-04	-3.16e-04
12	32	0.13	-0.14	-0.32	1.15e-03	4.93e-04	3.57e-04
12	33	-0.21	0.17	-0.18	-1.25e-03	-1.22e-03	-4.12e-04
12	34	0.05	-0.07	-0.28	7.44e-04	1.63e-04	2.62e-04
12	35	-0.13	0.09	-0.22	-7.88e-04	-8.81e-04	-3.03e-04
12	36	0.13	-0.13	-0.31	1.07e-03	4.79e-04	3.43e-04
12	37	-0.20	0.15	-0.18	-1.18e-03	-1.21e-03	-3.98e-04
12	38	0.05	-0.06	-0.27	6.84e-04	1.50e-04	2.49e-04
12	39	-0.13	0.09	-0.22	-7.79e-04	-8.80e-04	-3.03e-04
12	40	0.13	-0.13	-0.32	1.08e-03	4.80e-04	3.44e-04
12	41	-0.21	0.15	-0.18	-1.19e-03	-1.21e-03	-3.98e-04
12	42	0.05	-0.06	-0.27	6.75e-04	1.49e-04	2.48e-04
12	43	0.03	-0.04	-0.29	2.24e-04	-9.94e-05	1.81e-05
12	44	0.09	-0.10	-0.32	6.99e-04	2.30e-04	1.78e-04
12	45	-0.17	0.12	-0.18	-8.03e-04	-9.61e-04	-2.32e-04
12	46	-0.11	0.07	-0.20	-3.29e-04	-6.31e-04	-7.27e-05
12	47	0.03	-0.04	-0.29	2.40e-04	-9.62e-05	2.13e-05
12	48	0.09	-0.10	-0.31	6.82e-04	2.26e-04	1.75e-04
12	49	-0.17	0.12	-0.18	-7.87e-04	-9.57e-04	-2.29e-04
12	50	-0.11	0.07	-0.20	-3.45e-04	-6.35e-04	-7.58e-05
12	51	0.03	-0.04	-0.29	2.47e-04	-9.68e-05	1.88e-05
12	52	0.09	-0.10	-0.32	7.22e-04	2.32e-04	1.78e-04
12	53	-0.17	0.13	-0.18	-8.27e-04	-9.63e-04	-2.33e-04
12	54	-0.11	0.07	-0.20	-3.52e-04	-6.34e-04	-7.34e-05
12	55	0.03	-0.05	-0.29	2.64e-04	-9.36e-05	2.20e-05
12	56	0.09	-0.10	-0.32	7.06e-04	2.29e-04	1.75e-04
12	57	-0.17	0.12	-0.18	-8.10e-04	-9.60e-04	-2.30e-04
12	58	-0.11	0.07	-0.20	-3.68e-04	-6.37e-04	-7.65e-05
12	59	-0.11	0.08	-0.23	-6.89e-04	-7.85e-04	-2.56e-04
12	60	0.09	-0.11	-0.30	8.93e-04	3.12e-04	2.76e-04
12	61	-0.17	0.13	-0.19	-9.97e-04	-1.04e-03	-3.31e-04
12	62	0.03	-0.06	-0.27	5.85e-04	5.39e-05	2.01e-04
12	63	-0.11	0.08	-0.23	-6.82e-04	-7.84e-04	-2.55e-04
12	64	0.09	-0.11	-0.30	9.00e-04	3.13e-04	2.76e-04
12	65	-0.17	0.13	-0.19	-1.00e-03	-1.04e-03	-3.31e-04
12	66	0.03	-0.06	-0.27	5.78e-04	5.32e-05	2.01e-04
12	67	-0.11	0.07	-0.23	-6.35e-04	-7.74e-04	-2.45e-04
12	68	0.09	-0.10	-0.30	8.38e-04	3.02e-04	2.66e-04
12	69	-0.17	0.12	-0.19	-9.43e-04	-1.03e-03	-3.20e-04
12	70	0.03	-0.05	-0.27	5.30e-04	4.32e-05	1.91e-04
12	71	-0.11	0.07	-0.23	-6.28e-04	-7.73e-04	-2.45e-04
12	72	0.09	-0.10	-0.30	8.45e-04	3.02e-04	2.66e-04
12	73	-0.17	0.12	-0.19	-9.50e-04	-1.03e-03	-3.21e-04
12	74	0.03	-0.05	-0.27	5.23e-04	4.24e-05	1.91e-04
12	75	0.02	-0.03	-0.28	1.76e-04	-1.45e-04	1.03e-05
12	76	0.07	-0.08	-0.30	5.68e-04	1.27e-04	1.42e-04
12	77	-0.15	0.11	-0.19	-6.73e-04	-8.58e-04	-1.97e-04
12	78	-0.10	0.06	-0.21	-2.81e-04	-5.86e-04	-6.48e-05
12	79	0.02	-0.03	-0.28	1.90e-04	-1.42e-04	1.29e-05
12	80	0.07	-0.08	-0.30	5.55e-04	1.24e-04	1.40e-04
12	81	-0.15	0.10	-0.19	-6.59e-04	-8.55e-04	-1.94e-04
12	82	-0.10	0.06	-0.21	-2.94e-04	-5.88e-04	-6.74e-05
12	83	0.02	-0.03	-0.29	1.95e-04	-1.43e-04	1.08e-05
12	84	0.07	-0.08	-0.31	5.88e-04	1.29e-04	1.43e-04
12	85	-0.15	0.11	-0.19	-6.92e-04	-8.60e-04	-1.97e-04
12	86	-0.10	0.06	-0.21	-3.00e-04	-5.88e-04	-6.54e-05
12	87	0.02	-0.04	-0.29	2.09e-04	-1.40e-04	1.34e-05
12	88	0.07	-0.08	-0.30	5.74e-04	1.26e-04	1.40e-04
12	89	-0.15	0.11	-0.19	-6.79e-04	-8.57e-04	-1.95e-04
12	90	-0.10	0.06	-0.21	-3.13e-04	-5.91e-04	-6.80e-05
12	91	-0.10	0.07	-0.23	-5.79e-04	-7.12e-04	-2.16e-04
12	92	0.07	-0.09	-0.29	7.29e-04	1.95e-04	2.24e-04

12	93	-0.15	0.11	-0.20	-8.33e-04	-9.26e-04	-2.78e-04
12	94	0.02	-0.04	-0.27	4.74e-04	-1.90e-05	1.62e-04
12	95	-0.10	0.07	-0.23	-5.73e-04	-7.11e-04	-2.16e-04
12	96	0.07	-0.09	-0.29	7.35e-04	1.95e-04	2.24e-04
12	97	-0.15	0.11	-0.20	-8.39e-04	-9.26e-04	-2.78e-04
12	98	0.02	-0.04	-0.27	4.68e-04	-1.96e-05	1.61e-04
12	99	-0.10	0.06	-0.23	-5.34e-04	-7.03e-04	-2.07e-04
12	100	0.07	-0.08	-0.29	6.84e-04	1.86e-04	2.15e-04
12	101	-0.15	0.10	-0.20	-7.88e-04	-9.17e-04	-2.70e-04
12	102	0.02	-0.04	-0.26	4.29e-04	-2.78e-05	1.53e-04
12	103	-0.10	0.06	-0.23	-5.28e-04	-7.02e-04	-2.07e-04
12	104	0.07	-0.08	-0.29	6.90e-04	1.87e-04	2.15e-04
12	105	-0.15	0.11	-0.20	-7.94e-04	-9.17e-04	-2.70e-04
12	106	0.02	-0.04	-0.26	4.23e-04	-2.84e-05	1.53e-04
13	1	-0.01	2.73e-03	-0.26	-5.90e-05	-4.70e-05	-1.56e-05
13	2	-0.08	0.02	-0.34	-4.13e-04	-3.68e-04	-5.87e-05
13	3	-9.26e-03	1.78e-03	-0.20	-3.87e-05	-3.01e-05	-1.12e-05
13	4	-0.07	0.02	-0.28	-3.93e-04	-3.51e-04	-5.43e-05
13	5	-9.93e-03	1.96e-03	-0.20	-4.25e-05	-3.35e-05	-1.17e-05
13	6	-0.05	0.01	-0.25	-2.79e-04	-2.48e-04	-4.04e-05
13	7	-9.93e-03	1.96e-03	-0.20	-4.25e-05	-3.35e-05	-1.17e-05
13	8	-0.04	9.86e-03	-0.23	-2.08e-04	-1.83e-04	-3.18e-05
13	9	-9.93e-03	1.96e-03	-0.20	-4.25e-05	-3.35e-05	-1.17e-05
13	10	-0.03	8.73e-03	-0.23	-1.84e-04	-1.62e-04	-2.89e-05
13	11	0.04	-0.05	-0.27	1.39e-04	1.10e-04	2.97e-05
13	12	0.09	-0.10	-0.29	5.72e-04	3.36e-04	2.00e-04
13	13	-0.16	0.12	-0.16	-9.40e-04	-6.60e-04	-2.58e-04
13	14	-0.11	0.07	-0.18	-5.07e-04	-4.34e-04	-8.75e-05
13	15	0.04	-0.05	-0.27	1.53e-04	1.18e-04	3.31e-05
13	16	0.09	-0.10	-0.29	5.57e-04	3.28e-04	1.97e-04
13	17	-0.16	0.11	-0.16	-9.26e-04	-6.52e-04	-2.55e-04
13	18	-0.11	0.07	-0.18	-5.21e-04	-4.42e-04	-9.09e-05
13	19	0.04	-0.05	-0.28	1.58e-04	1.43e-04	2.89e-05
13	20	0.09	-0.10	-0.30	5.91e-04	3.69e-04	1.99e-04
13	21	-0.16	0.12	-0.16	-9.60e-04	-6.93e-04	-2.57e-04
13	22	-0.11	0.07	-0.18	-5.27e-04	-4.67e-04	-8.68e-05
13	23	0.05	-0.05	-0.28	1.73e-04	1.51e-04	3.24e-05
13	24	0.09	-0.10	-0.30	5.77e-04	3.61e-04	1.96e-04
13	25	-0.16	0.12	-0.16	-9.45e-04	-6.85e-04	-2.54e-04
13	26	-0.11	0.07	-0.18	-5.41e-04	-4.75e-04	-9.02e-05
13	27	-0.09	0.07	-0.21	-7.44e-04	-4.23e-04	-2.70e-04
13	28	0.08	-0.10	-0.28	6.99e-04	3.30e-04	2.98e-04
13	29	-0.15	0.12	-0.18	-1.07e-03	-6.54e-04	-3.56e-04
13	30	0.02	-0.05	-0.25	3.75e-04	9.92e-05	2.12e-04
13	31	-0.09	0.07	-0.21	-7.38e-04	-4.13e-04	-2.70e-04
13	32	0.08	-0.10	-0.28	7.05e-04	3.40e-04	2.98e-04
13	33	-0.15	0.12	-0.18	-1.07e-03	-6.64e-04	-3.56e-04
13	34	0.02	-0.05	-0.24	3.69e-04	8.92e-05	2.12e-04
13	35	-0.08	0.06	-0.21	-6.96e-04	-3.97e-04	-2.59e-04
13	36	0.08	-0.09	-0.28	6.51e-04	3.04e-04	2.87e-04
13	37	-0.15	0.11	-0.18	-1.02e-03	-6.28e-04	-3.45e-04
13	38	0.02	-0.04	-0.25	3.28e-04	7.32e-05	2.01e-04
13	39	-0.08	0.06	-0.21	-6.90e-04	-3.87e-04	-2.59e-04
13	40	0.08	-0.09	-0.28	6.57e-04	3.14e-04	2.87e-04
13	41	-0.15	0.11	-0.18	-1.03e-03	-6.38e-04	-3.45e-04
13	42	0.01	-0.04	-0.24	3.22e-04	6.32e-05	2.01e-04
13	43	0.03	-0.04	-0.26	7.20e-05	5.10e-05	1.76e-05
13	44	0.06	-0.08	-0.28	4.15e-04	2.25e-04	1.52e-04
13	45	-0.13	0.09	-0.18	-7.83e-04	-5.49e-04	-2.10e-04
13	46	-0.10	0.06	-0.19	-4.40e-04	-3.75e-04	-7.54e-05
13	47	0.03	-0.04	-0.26	8.33e-05	5.66e-05	2.02e-05
13	48	0.06	-0.07	-0.28	4.03e-04	2.19e-04	1.50e-04
13	49	-0.13	0.09	-0.18	-7.72e-04	-5.44e-04	-2.07e-04
13	50	-0.10	0.06	-0.19	-4.52e-04	-3.81e-04	-7.81e-05
13	51	0.03	-0.04	-0.27	8.74e-05	7.61e-05	1.70e-05
13	52	0.07	-0.08	-0.28	4.30e-04	2.50e-04	1.52e-04
13	53	-0.14	0.10	-0.18	-7.98e-04	-5.74e-04	-2.09e-04
13	54	-0.10	0.06	-0.19	-4.56e-04	-4.00e-04	-7.48e-05
13	55	0.03	-0.04	-0.27	9.87e-05	8.17e-05	1.96e-05
13	56	0.07	-0.08	-0.28	4.19e-04	2.45e-04	1.49e-04
13	57	-0.14	0.09	-0.18	-7.87e-04	-5.69e-04	-2.07e-04
13	58	-0.10	0.06	-0.19	-4.67e-04	-4.06e-04	-7.75e-05

13	59	-0.08	0.05	-0.22	-6.27e-04	-3.62e-04	-2.19e-04
13	60	0.05	-0.08	-0.27	5.15e-04	2.18e-04	2.30e-04
13	61	-0.12	0.09	-0.19	-8.83e-04	-5.42e-04	-2.87e-04
13	62	5.96e-03	-0.04	-0.24	2.58e-04	3.79e-05	1.61e-04
13	63	-0.08	0.05	-0.22	-6.22e-04	-3.54e-04	-2.19e-04
13	64	0.05	-0.08	-0.27	5.20e-04	2.25e-04	2.29e-04
13	65	-0.12	0.09	-0.19	-8.88e-04	-5.50e-04	-2.87e-04
13	66	5.48e-03	-0.04	-0.24	2.54e-04	3.04e-05	1.61e-04
13	67	-0.07	0.05	-0.22	-5.89e-04	-3.44e-04	-2.10e-04
13	68	0.05	-0.07	-0.27	4.77e-04	2.00e-04	2.21e-04
13	69	-0.12	0.08	-0.19	-8.46e-04	-5.24e-04	-2.79e-04
13	70	4.62e-03	-0.03	-0.24	2.21e-04	1.95e-05	1.53e-04
13	71	-0.07	0.04	-0.22	-5.85e-04	-3.36e-04	-2.11e-04
13	72	0.05	-0.07	-0.27	4.82e-04	2.07e-04	2.21e-04
13	73	-0.12	0.09	-0.19	-8.50e-04	-5.31e-04	-2.78e-04
13	74	4.14e-03	-0.03	-0.24	2.16e-04	1.20e-05	1.53e-04
13	75	0.02	-0.03	-0.26	2.75e-05	1.45e-05	9.57e-06
13	76	0.05	-0.06	-0.27	3.11e-04	1.59e-04	1.21e-04
13	77	-0.12	0.08	-0.19	-6.79e-04	-4.83e-04	-1.79e-04
13	78	-0.09	0.05	-0.20	-3.96e-04	-3.38e-04	-6.74e-05
13	79	0.02	-0.03	-0.26	3.68e-05	1.91e-05	1.17e-05
13	80	0.05	-0.06	-0.27	3.01e-04	1.54e-04	1.19e-04
13	81	-0.12	0.08	-0.19	-6.70e-04	-4.78e-04	-1.76e-04
13	82	-0.09	0.05	-0.20	-4.05e-04	-3.43e-04	-6.96e-05
13	83	0.02	-0.03	-0.26	4.03e-05	3.53e-05	9.06e-06
13	84	0.05	-0.06	-0.27	3.23e-04	1.79e-04	1.20e-04
13	85	-0.12	0.08	-0.19	-6.92e-04	-5.03e-04	-1.78e-04
13	86	-0.09	0.05	-0.20	-4.09e-04	-3.59e-04	-6.69e-05
13	87	0.02	-0.03	-0.26	4.96e-05	4.00e-05	1.12e-05
13	88	0.05	-0.06	-0.27	3.14e-04	1.75e-04	1.18e-04
13	89	-0.12	0.08	-0.19	-6.82e-04	-4.99e-04	-1.76e-04
13	90	-0.09	0.05	-0.20	-4.18e-04	-3.64e-04	-6.90e-05
13	91	-0.07	0.05	-0.22	-5.50e-04	-3.28e-04	-1.86e-04
13	92	0.04	-0.06	-0.26	3.94e-04	1.53e-04	1.85e-04
13	93	-0.11	0.08	-0.20	-7.62e-04	-4.77e-04	-2.43e-04
13	94	-1.14e-03	-0.03	-0.24	1.82e-04	3.54e-06	1.28e-04
13	95	-0.07	0.05	-0.22	-5.46e-04	-3.21e-04	-1.86e-04
13	96	0.04	-0.06	-0.26	3.97e-04	1.59e-04	1.85e-04
13	97	-0.11	0.08	-0.20	-7.66e-04	-4.83e-04	-2.42e-04
13	98	-1.53e-03	-0.03	-0.24	1.78e-04	-2.73e-06	1.28e-04
13	99	-0.07	0.04	-0.22	-5.19e-04	-3.12e-04	-1.79e-04
13	100	0.04	-0.05	-0.26	3.63e-04	1.37e-04	1.78e-04
13	101	-0.11	0.07	-0.20	-7.31e-04	-4.61e-04	-2.35e-04
13	102	-2.24e-03	-0.02	-0.24	1.51e-04	-1.18e-05	1.21e-04
13	103	-0.07	0.04	-0.22	-5.15e-04	-3.06e-04	-1.79e-04
13	104	0.04	-0.05	-0.26	3.66e-04	1.44e-04	1.77e-04
13	105	-0.11	0.07	-0.20	-7.35e-04	-4.68e-04	-2.35e-04
13	106	-2.64e-03	-0.02	-0.24	1.47e-04	-1.81e-05	1.21e-04
14	1	1.34e-04	2.17e-04	-0.28	-6.98e-05	-9.87e-05	-2.59e-06
14	2	5.37e-04	1.87e-04	-0.44	-3.52e-04	-5.88e-04	-2.67e-06
14	3	9.51e-05	1.67e-04	-0.21	-4.84e-05	-6.67e-05	-1.99e-06
14	4	4.98e-04	1.38e-04	-0.38	-3.31e-04	-5.56e-04	-2.07e-06
14	5	9.94e-05	1.67e-04	-0.21	-5.14e-05	-7.19e-05	-1.99e-06
14	6	3.68e-04	1.47e-04	-0.32	-2.40e-04	-3.98e-04	-2.04e-06
14	7	9.94e-05	1.67e-04	-0.21	-5.14e-05	-7.19e-05	-1.99e-06
14	8	2.88e-04	1.53e-04	-0.29	-1.83e-04	-3.00e-04	-2.03e-06
14	9	9.94e-05	1.67e-04	-0.21	-5.14e-05	-7.19e-05	-1.99e-06
14	10	2.61e-04	1.55e-04	-0.28	-1.64e-04	-2.68e-04	-2.02e-06
14	11	0.04	0.04	-0.28	6.28e-05	-1.34e-04	-2.84e-05
14	12	0.04	0.02	-0.24	5.42e-04	3.35e-04	5.31e-05
14	13	-0.04	-0.02	-0.32	-8.70e-04	-8.71e-04	-5.72e-05
14	14	-0.04	-0.04	-0.27	-3.92e-04	-4.02e-04	2.44e-05
14	15	0.04	0.04	-0.28	7.56e-05	-1.27e-04	-2.91e-05
14	16	0.04	0.02	-0.24	5.29e-04	3.28e-04	5.38e-05
14	17	-0.04	-0.02	-0.32	-8.58e-04	-8.64e-04	-5.78e-05
14	18	-0.04	-0.04	-0.27	-4.04e-04	-4.08e-04	2.50e-05
14	19	0.04	-0.02	-0.28	8.15e-05	-1.21e-04	-5.33e-05
14	20	0.04	-0.04	-0.24	5.60e-04	3.48e-04	2.83e-05
14	21	-0.04	0.04	-0.32	-8.89e-04	-8.84e-04	-3.23e-05
14	22	-0.04	0.02	-0.27	-4.10e-04	-4.15e-04	4.93e-05
14	23	0.04	-0.02	-0.28	9.43e-05	-1.14e-04	-5.39e-05
14	24	0.04	-0.04	-0.24	5.47e-04	3.41e-04	2.89e-05

14	25	-0.03	0.04	-0.32	-8.76e-04	-8.77e-04	-3.29e-05
14	26	-0.04	0.02	-0.27	-4.23e-04	-4.21e-04	4.99e-05
14	27	0.03	0.04	-0.35	-8.22e-04	-9.39e-04	-1.34e-04
14	28	-1.27e-03	-0.02	-0.20	7.73e-04	6.24e-04	1.38e-04
14	29	1.79e-03	0.02	-0.36	-1.10e-03	-1.16e-03	-1.42e-04
14	30	-0.03	-0.04	-0.21	4.94e-04	4.03e-04	1.30e-04
14	31	0.03	0.02	-0.35	-8.17e-04	-9.35e-04	-1.41e-04
14	32	-1.33e-03	-0.04	-0.20	7.79e-04	6.28e-04	1.31e-04
14	33	1.85e-03	0.04	-0.36	-1.11e-03	-1.16e-03	-1.35e-04
14	34	-0.03	-0.02	-0.21	4.88e-04	3.99e-04	1.37e-04
14	35	0.03	0.04	-0.35	-7.80e-04	-9.16e-04	-1.36e-04
14	36	-2.96e-03	-0.02	-0.20	7.31e-04	6.02e-04	1.40e-04
14	37	3.48e-03	0.02	-0.36	-1.06e-03	-1.14e-03	-1.44e-04
14	38	-0.03	-0.04	-0.21	4.51e-04	3.81e-04	1.32e-04
14	39	0.03	0.02	-0.35	-7.74e-04	-9.13e-04	-1.43e-04
14	40	-3.01e-03	-0.04	-0.20	7.36e-04	6.06e-04	1.33e-04
14	41	3.54e-03	0.04	-0.36	-1.07e-03	-1.14e-03	-1.37e-04
14	42	-0.03	-0.02	-0.21	4.45e-04	3.77e-04	1.39e-04
14	43	0.03	0.03	-0.28	1.58e-05	-1.63e-04	-2.34e-05
14	44	0.03	0.02	-0.25	3.95e-04	2.08e-04	4.09e-05
14	45	-0.03	-0.02	-0.31	-7.24e-04	-7.44e-04	-4.50e-05
14	46	-0.03	-0.03	-0.27	-3.45e-04	-3.73e-04	1.94e-05
14	47	0.04	0.03	-0.28	2.59e-05	-1.58e-04	-2.40e-05
14	48	0.03	0.02	-0.25	3.85e-04	2.03e-04	4.15e-05
14	49	-0.03	-0.02	-0.31	-7.13e-04	-7.39e-04	-4.55e-05
14	50	-0.03	-0.03	-0.27	-3.55e-04	-3.78e-04	1.99e-05
14	51	0.03	-0.02	-0.28	3.06e-05	-1.53e-04	-4.17e-05
14	52	0.03	-0.03	-0.25	4.09e-04	2.18e-04	2.27e-05
14	53	-0.03	0.03	-0.31	-7.38e-04	-7.54e-04	-2.67e-05
14	54	-0.03	0.02	-0.27	-3.59e-04	-3.83e-04	3.76e-05
14	55	0.04	-0.02	-0.28	4.07e-05	-1.48e-04	-4.22e-05
14	56	0.03	-0.03	-0.25	3.99e-04	2.13e-04	2.32e-05
14	57	-0.03	0.03	-0.31	-7.28e-04	-7.49e-04	-2.72e-05
14	58	-0.03	0.02	-0.27	-3.70e-04	-3.88e-04	3.82e-05
14	59	0.02	0.03	-0.33	-6.85e-04	-8.00e-04	-1.06e-04
14	60	-9.33e-04	-0.02	-0.22	5.78e-04	4.38e-04	1.08e-04
14	61	1.45e-03	0.02	-0.34	-9.07e-04	-9.74e-04	-1.13e-04
14	62	-0.02	-0.03	-0.23	3.56e-04	2.64e-04	1.02e-04
14	63	0.02	0.02	-0.33	-6.81e-04	-7.97e-04	-1.12e-04
14	64	-1.00e-03	-0.03	-0.22	5.82e-04	4.41e-04	1.03e-04
14	65	1.52e-03	0.03	-0.34	-9.11e-04	-9.77e-04	-1.07e-04
14	66	-0.02	-0.02	-0.22	3.52e-04	2.61e-04	1.07e-04
14	67	0.02	0.03	-0.33	-6.51e-04	-7.82e-04	-1.08e-04
14	68	-2.26e-03	-0.02	-0.22	5.44e-04	4.21e-04	1.10e-04
14	69	2.78e-03	0.02	-0.34	-8.73e-04	-9.56e-04	-1.14e-04
14	70	-0.02	-0.03	-0.22	3.22e-04	2.46e-04	1.04e-04
14	71	0.02	0.02	-0.33	-6.47e-04	-7.79e-04	-1.13e-04
14	72	-2.33e-03	-0.03	-0.22	5.49e-04	4.24e-04	1.05e-04
14	73	2.85e-03	0.03	-0.34	-8.78e-04	-9.59e-04	-1.09e-04
14	74	-0.02	-0.02	-0.22	3.18e-04	2.43e-04	1.09e-04
14	75	0.03	0.03	-0.28	-1.55e-05	-1.81e-04	-1.97e-05
14	76	0.02	0.01	-0.25	2.98e-04	1.26e-04	3.35e-05
14	77	-0.02	-0.01	-0.30	-6.26e-04	-6.61e-04	-3.76e-05
14	78	-0.03	-0.03	-0.27	-3.13e-04	-3.55e-04	1.56e-05
14	79	0.03	0.03	-0.28	-7.14e-06	-1.77e-04	-2.01e-05
14	80	0.02	0.01	-0.25	2.89e-04	1.22e-04	3.40e-05
14	81	-0.02	-0.01	-0.30	-6.18e-04	-6.57e-04	-3.80e-05
14	82	-0.03	-0.03	-0.27	-3.22e-04	-3.59e-04	1.61e-05
14	83	0.03	-0.01	-0.28	-3.24e-06	-1.73e-04	-3.48e-05
14	84	0.02	-0.03	-0.25	3.10e-04	1.34e-04	1.84e-05
14	85	-0.02	0.03	-0.30	-6.39e-04	-6.70e-04	-2.24e-05
14	86	-0.03	0.01	-0.27	-3.26e-04	-3.63e-04	3.08e-05
14	87	0.03	-0.01	-0.28	5.10e-06	-1.68e-04	-3.53e-05
14	88	0.02	-0.02	-0.25	3.02e-04	1.30e-04	1.88e-05
14	89	-0.02	0.03	-0.30	-6.30e-04	-6.65e-04	-2.28e-05
14	90	-0.03	0.01	-0.27	-3.34e-04	-3.67e-04	3.12e-05
14	91	0.02	0.03	-0.32	-5.95e-04	-7.07e-04	-8.80e-05
14	92	-7.25e-04	-0.01	-0.23	4.49e-04	3.16e-04	8.93e-05
14	93	1.25e-03	0.02	-0.33	-7.78e-04	-8.51e-04	-9.34e-05
14	94	-0.02	-0.03	-0.23	2.66e-04	1.72e-04	8.40e-05
14	95	0.02	0.02	-0.32	-5.91e-04	-7.05e-04	-9.26e-05
14	96	-7.82e-04	-0.03	-0.23	4.53e-04	3.18e-04	8.48e-05

14	97	1.30e-03	0.03	-0.33	-7.82e-04	-8.54e-04	-8.88e-05
14	98	-0.02	-0.01	-0.23	2.62e-04	1.69e-04	8.85e-05
14	99	0.02	0.02	-0.32	-5.67e-04	-6.93e-04	-8.95e-05
14	100	-1.82e-03	-0.01	-0.23	4.21e-04	3.01e-04	9.08e-05
14	101	2.34e-03	0.01	-0.33	-7.50e-04	-8.37e-04	-9.48e-05
14	102	-0.02	-0.02	-0.23	2.38e-04	1.57e-04	8.54e-05
14	103	0.02	0.01	-0.32	-5.63e-04	-6.90e-04	-9.40e-05
14	104	-1.88e-03	-0.02	-0.23	4.25e-04	3.04e-04	8.63e-05
14	105	2.40e-03	0.02	-0.33	-7.54e-04	-8.39e-04	-9.03e-05
14	106	-0.02	-0.01	-0.23	2.34e-04	1.55e-04	9.00e-05
15	1	-4.86e-05	2.55e-05	-0.26	-6.92e-05	-9.79e-05	-2.59e-06
15	2	3.55e-04	-5.95e-06	-0.38	-3.50e-04	-5.86e-04	-2.60e-06
15	3	-4.50e-05	2.02e-05	-0.20	-4.80e-05	-6.61e-05	-1.99e-06
15	4	3.58e-04	-1.12e-05	-0.31	-3.29e-04	-5.54e-04	-2.00e-06
15	5	-4.07e-05	1.99e-05	-0.20	-5.10e-05	-7.13e-05	-1.99e-06
15	6	2.28e-04	-1.09e-06	-0.28	-2.38e-04	-3.97e-04	-2.00e-06
15	7	-4.07e-05	1.99e-05	-0.20	-5.10e-05	-7.13e-05	-1.99e-06
15	8	1.47e-04	5.19e-06	-0.25	-1.82e-04	-2.99e-04	-2.00e-06
15	9	-4.07e-05	1.99e-05	-0.20	-5.10e-05	-7.13e-05	-1.99e-06
15	10	1.21e-04	7.29e-06	-0.25	-1.63e-04	-2.67e-04	-2.00e-06
15	11	0.04	0.04	-0.30	6.30e-05	-1.31e-04	-2.83e-05
15	12	0.05	0.02	-0.33	5.40e-04	3.36e-04	5.33e-05
15	13	-0.05	-0.02	-0.16	-8.66e-04	-8.69e-04	-5.73e-05
15	14	-0.04	-0.04	-0.19	-3.89e-04	-4.03e-04	2.43e-05
15	15	0.04	0.04	-0.30	7.57e-05	-1.24e-04	-2.90e-05
15	16	0.05	0.02	-0.33	5.27e-04	3.29e-04	5.39e-05
15	17	-0.05	-0.02	-0.16	-8.53e-04	-8.63e-04	-5.79e-05
15	18	-0.03	-0.04	-0.19	-4.02e-04	-4.09e-04	2.50e-05
15	19	0.04	-0.02	-0.30	8.17e-05	-1.18e-04	-5.34e-05
15	20	0.05	-0.04	-0.33	5.58e-04	3.49e-04	2.82e-05
15	21	-0.04	0.04	-0.16	-8.85e-04	-8.82e-04	-3.22e-05
15	22	-0.03	0.02	-0.19	-4.08e-04	-4.16e-04	4.94e-05
15	23	0.03	-0.02	-0.31	9.44e-05	-1.11e-04	-5.41e-05
15	24	0.05	-0.04	-0.33	5.46e-04	3.42e-04	2.88e-05
15	25	-0.05	0.04	-0.16	-8.72e-04	-8.76e-04	-3.28e-05
15	26	-0.03	0.02	-0.19	-4.21e-04	-4.22e-04	5.01e-05
15	27	-4.76e-03	0.04	-0.22	-8.18e-04	-9.34e-04	-1.34e-04
15	28	0.03	-0.02	-0.32	7.71e-04	6.22e-04	1.38e-04
15	29	-0.03	0.02	-0.18	-1.10e-03	-1.16e-03	-1.42e-04
15	30	5.00e-03	-0.04	-0.27	4.92e-04	4.00e-04	1.30e-04
15	31	-4.89e-03	0.02	-0.22	-8.13e-04	-9.30e-04	-1.41e-04
15	32	0.03	-0.04	-0.32	7.76e-04	6.26e-04	1.31e-04
15	33	-0.03	0.04	-0.18	-1.10e-03	-1.16e-03	-1.35e-04
15	34	5.13e-03	-0.02	-0.27	4.86e-04	3.96e-04	1.37e-04
15	35	-5.75e-03	0.03	-0.22	-7.76e-04	-9.11e-04	-1.36e-04
15	36	0.03	-0.01	-0.31	7.28e-04	6.00e-04	1.41e-04
15	37	-0.03	0.01	-0.18	-1.05e-03	-1.13e-03	-1.45e-04
15	38	5.99e-03	-0.03	-0.27	4.49e-04	3.78e-04	1.32e-04
15	39	-5.88e-03	0.01	-0.22	-7.70e-04	-9.07e-04	-1.43e-04
15	40	0.03	-0.03	-0.31	7.34e-04	6.04e-04	1.33e-04
15	41	-0.03	0.03	-0.18	-1.06e-03	-1.14e-03	-1.37e-04
15	42	6.12e-03	-0.01	-0.27	4.44e-04	3.74e-04	1.39e-04
15	43	0.03	0.03	-0.29	1.62e-05	-1.60e-04	-2.33e-05
15	44	0.04	0.02	-0.31	3.93e-04	2.09e-04	4.11e-05
15	45	-0.04	-0.02	-0.18	-7.20e-04	-7.43e-04	-4.51e-05
15	46	-0.03	-0.03	-0.20	-3.43e-04	-3.73e-04	1.93e-05
15	47	0.03	0.03	-0.29	2.62e-05	-1.55e-04	-2.39e-05
15	48	0.04	0.02	-0.31	3.83e-04	2.04e-04	4.16e-05
15	49	-0.04	-0.02	-0.18	-7.10e-04	-7.37e-04	-4.56e-05
15	50	-0.03	-0.03	-0.20	-3.53e-04	-3.78e-04	1.99e-05
15	51	0.03	-0.02	-0.29	3.10e-05	-1.50e-04	-4.18e-05
15	52	0.04	-0.03	-0.32	4.08e-04	2.19e-04	2.26e-05
15	53	-0.04	0.03	-0.18	-7.35e-04	-7.53e-04	-2.66e-05
15	54	-0.03	0.02	-0.20	-3.57e-04	-3.83e-04	3.78e-05
15	55	0.03	-0.02	-0.29	4.10e-05	-1.45e-04	-4.23e-05
15	56	0.04	-0.03	-0.31	3.98e-04	2.14e-04	2.32e-05
15	57	-0.04	0.03	-0.18	-7.25e-04	-7.47e-04	-2.72e-05
15	58	-0.03	0.02	-0.20	-3.67e-04	-3.88e-04	3.83e-05
15	59	-3.70e-03	0.03	-0.23	-6.81e-04	-7.95e-04	-1.06e-04
15	60	0.02	-0.01	-0.30	5.76e-04	4.37e-04	1.09e-04
15	61	-0.02	0.01	-0.19	-9.02e-04	-9.70e-04	-1.13e-04
15	62	3.94e-03	-0.03	-0.27	3.55e-04	2.62e-04	1.02e-04

15	63	-3.82e-03	0.01	-0.23	-6.77e-04	-7.92e-04	-1.12e-04
15	64	0.02	-0.03	-0.30	5.80e-04	4.40e-04	1.03e-04
15	65	-0.02	0.03	-0.19	-9.07e-04	-9.73e-04	-1.07e-04
15	66	4.06e-03	-0.01	-0.27	3.51e-04	2.59e-04	1.08e-04
15	67	-4.49e-03	0.03	-0.23	-6.48e-04	-7.78e-04	-1.08e-04
15	68	0.02	-0.01	-0.30	5.42e-04	4.19e-04	1.10e-04
15	69	-0.02	0.01	-0.20	-8.69e-04	-9.52e-04	-1.14e-04
15	70	4.73e-03	-0.03	-0.27	3.22e-04	2.44e-04	1.04e-04
15	71	-4.61e-03	0.01	-0.23	-6.44e-04	-7.75e-04	-1.13e-04
15	72	0.02	-0.03	-0.30	5.47e-04	4.22e-04	1.05e-04
15	73	-0.02	0.03	-0.19	-8.73e-04	-9.55e-04	-1.09e-04
15	74	4.85e-03	-0.01	-0.27	3.17e-04	2.41e-04	1.09e-04
15	75	0.02	0.02	-0.28	-1.49e-05	-1.78e-04	-1.96e-05
15	76	0.03	0.01	-0.30	2.97e-04	1.27e-04	3.37e-05
15	77	-0.03	-0.01	-0.19	-6.23e-04	-6.60e-04	-3.77e-05
15	78	-0.02	-0.02	-0.21	-3.11e-04	-3.55e-04	1.56e-05
15	79	0.02	0.02	-0.28	-6.63e-06	-1.74e-04	-2.01e-05
15	80	0.03	0.02	-0.30	2.89e-04	1.23e-04	3.41e-05
15	81	-0.03	-0.02	-0.19	-6.15e-04	-6.56e-04	-3.81e-05
15	82	-0.02	-0.02	-0.21	-3.20e-04	-3.59e-04	1.61e-05
15	83	0.02	-0.01	-0.28	-2.72e-06	-1.70e-04	-3.49e-05
15	84	0.03	-0.02	-0.30	3.09e-04	1.35e-04	1.83e-05
15	85	-0.03	0.02	-0.19	-6.35e-04	-6.69e-04	-2.23e-05
15	86	-0.02	0.01	-0.21	-3.24e-04	-3.63e-04	3.09e-05
15	87	0.02	-0.02	-0.29	5.59e-06	-1.66e-04	-3.54e-05
15	88	0.03	-0.02	-0.30	3.01e-04	1.31e-04	1.88e-05
15	89	-0.03	0.02	-0.19	-6.27e-04	-6.64e-04	-2.28e-05
15	90	-0.02	0.02	-0.21	-3.32e-04	-3.67e-04	3.14e-05
15	91	-3.03e-03	0.02	-0.23	-5.92e-04	-7.03e-04	-8.81e-05
15	92	0.02	-0.01	-0.29	4.48e-04	3.15e-04	8.95e-05
15	93	-0.02	0.01	-0.20	-7.74e-04	-8.48e-04	-9.35e-05
15	94	3.27e-03	-0.02	-0.26	2.65e-04	1.70e-04	8.41e-05
15	95	-3.14e-03	0.01	-0.23	-5.88e-04	-7.01e-04	-9.27e-05
15	96	0.02	-0.02	-0.29	4.51e-04	3.17e-04	8.49e-05
15	97	-0.02	0.02	-0.20	-7.78e-04	-8.51e-04	-8.89e-05
15	98	3.38e-03	-0.01	-0.26	2.62e-04	1.68e-04	8.87e-05
15	99	-3.69e-03	0.02	-0.23	-5.64e-04	-6.89e-04	-8.95e-05
15	100	0.02	-8.99e-03	-0.29	4.20e-04	3.00e-04	9.10e-05
15	101	-0.02	9.00e-03	-0.20	-7.46e-04	-8.33e-04	-9.50e-05
15	102	3.93e-03	-0.02	-0.26	2.37e-04	1.56e-04	8.55e-05
15	103	-3.79e-03	9.07e-03	-0.23	-5.60e-04	-6.86e-04	-9.41e-05
15	104	0.02	-0.02	-0.29	4.24e-04	3.03e-04	8.64e-05
15	105	-0.02	0.02	-0.20	-7.50e-04	-8.36e-04	-9.04e-05
15	106	4.03e-03	-9.05e-03	-0.26	2.34e-04	1.53e-04	9.01e-05
16	1	-0.02	7.08e-03	-0.28	2.76e-04	1.11e-04	-1.78e-05
16	2	-0.08	0.04	-0.47	1.19e-03	3.15e-04	-5.99e-05
16	3	-0.01	4.92e-03	-0.21	1.95e-04	8.18e-05	-1.29e-05
16	4	-0.08	0.03	-0.41	1.11e-03	2.85e-04	-5.49e-05
16	5	-0.01	5.22e-03	-0.22	2.05e-04	8.40e-05	-1.34e-05
16	6	-0.06	0.02	-0.34	8.12e-04	2.19e-04	-4.14e-05
16	7	-0.01	5.22e-03	-0.22	2.05e-04	8.40e-05	-1.34e-05
16	8	-0.04	0.02	-0.31	6.30e-04	1.79e-04	-3.30e-05
16	9	-0.01	5.22e-03	-0.22	2.05e-04	8.40e-05	-1.34e-05
16	10	-0.04	0.02	-0.29	5.69e-04	1.65e-04	-3.02e-05
16	11	0.05	-0.06	-0.36	3.26e-03	2.17e-03	1.99e-05
16	12	0.12	-0.15	-0.30	2.23e-03	1.12e-03	2.32e-04
16	13	-0.20	0.18	-0.28	-1.09e-03	-7.92e-04	-2.92e-04
16	14	-0.12	0.09	-0.23	-2.12e-03	-1.84e-03	-8.03e-05
16	15	0.05	-0.06	-0.36	3.36e-03	2.23e-03	2.36e-05
16	16	0.12	-0.15	-0.30	2.13e-03	1.06e-03	2.28e-04
16	17	-0.19	0.18	-0.28	-9.90e-04	-7.32e-04	-2.89e-04
16	18	-0.12	0.09	-0.23	-2.22e-03	-1.90e-03	-8.40e-05
16	19	0.05	-0.06	-0.36	3.34e-03	2.21e-03	1.98e-05
16	20	0.12	-0.15	-0.31	2.32e-03	1.16e-03	2.32e-04
16	21	-0.20	0.19	-0.28	-1.18e-03	-8.31e-04	-2.92e-04
16	22	-0.13	0.10	-0.23	-2.20e-03	-1.88e-03	-8.01e-05
16	23	0.05	-0.07	-0.36	3.45e-03	2.27e-03	2.35e-05
16	24	0.12	-0.15	-0.30	2.22e-03	1.10e-03	2.28e-04
16	25	-0.20	0.18	-0.28	-1.08e-03	-7.71e-04	-2.88e-04
16	26	-0.13	0.10	-0.23	-2.31e-03	-1.94e-03	-8.38e-05
16	27	-0.12	0.13	-0.39	2.93e-03	2.35e-03	-3.37e-04
16	28	0.12	-0.17	-0.22	-4.89e-04	-1.13e-03	3.70e-04

16	29	-0.19	0.21	-0.37	1.63e-03	1.46e-03	-4.30e-04
16	30	0.04	-0.10	-0.20	-1.79e-03	-2.02e-03	2.76e-04
16	31	-0.12	0.13	-0.39	2.96e-03	2.36e-03	-3.37e-04
16	32	0.12	-0.17	-0.22	-4.63e-04	-1.12e-03	3.70e-04
16	33	-0.19	0.21	-0.37	1.60e-03	1.45e-03	-4.30e-04
16	34	0.04	-0.10	-0.19	-1.82e-03	-2.03e-03	2.76e-04
16	35	-0.12	0.12	-0.39	3.27e-03	2.55e-03	-3.24e-04
16	36	0.11	-0.16	-0.21	-8.28e-04	-1.33e-03	3.58e-04
16	37	-0.19	0.19	-0.37	1.97e-03	1.66e-03	-4.18e-04
16	38	0.04	-0.09	-0.19	-2.13e-03	-2.22e-03	2.64e-04
16	39	-0.12	0.12	-0.40	3.30e-03	2.56e-03	-3.24e-04
16	40	0.11	-0.16	-0.21	-8.02e-04	-1.32e-03	3.58e-04
16	41	-0.19	0.19	-0.37	1.94e-03	1.65e-03	-4.18e-04
16	42	0.04	-0.09	-0.19	-2.16e-03	-2.23e-03	2.64e-04
16	43	0.03	-0.04	-0.34	2.70e-03	1.75e-03	9.62e-06
16	44	0.09	-0.12	-0.30	1.88e-03	9.22e-04	1.77e-04
16	45	-0.16	0.15	-0.28	-7.45e-04	-5.92e-04	-2.37e-04
16	46	-0.11	0.08	-0.24	-1.56e-03	-1.42e-03	-7.00e-05
16	47	0.03	-0.05	-0.34	2.78e-03	1.80e-03	1.25e-05
16	48	0.08	-0.11	-0.30	1.80e-03	8.75e-04	1.74e-04
16	49	-0.16	0.15	-0.28	-6.64e-04	-5.44e-04	-2.35e-04
16	50	-0.11	0.08	-0.24	-1.64e-03	-1.47e-03	-7.28e-05
16	51	0.03	-0.05	-0.34	2.76e-03	1.78e-03	9.50e-06
16	52	0.09	-0.12	-0.30	1.95e-03	9.53e-04	1.77e-04
16	53	-0.16	0.15	-0.28	-8.14e-04	-6.22e-04	-2.37e-04
16	54	-0.11	0.08	-0.24	-1.63e-03	-1.45e-03	-6.99e-05
16	55	0.03	-0.05	-0.34	2.85e-03	1.83e-03	1.23e-05
16	56	0.09	-0.12	-0.30	1.87e-03	9.05e-04	1.74e-04
16	57	-0.16	0.15	-0.28	-7.33e-04	-5.75e-04	-2.35e-04
16	58	-0.11	0.08	-0.24	-1.71e-03	-1.50e-03	-7.27e-05
16	59	-0.10	0.11	-0.37	2.44e-03	1.90e-03	-2.72e-04
16	60	0.08	-0.13	-0.23	-2.68e-04	-8.62e-04	2.86e-04
16	61	-0.16	0.17	-0.35	1.41e-03	1.19e-03	-3.46e-04
16	62	0.03	-0.08	-0.22	-1.30e-03	-1.56e-03	2.12e-04
16	63	-0.10	0.11	-0.37	2.46e-03	1.90e-03	-2.72e-04
16	64	0.08	-0.13	-0.23	-2.47e-04	-8.53e-04	2.86e-04
16	65	-0.16	0.17	-0.35	1.39e-03	1.18e-03	-3.46e-04
16	66	0.03	-0.07	-0.22	-1.32e-03	-1.57e-03	2.12e-04
16	67	-0.10	0.10	-0.37	2.71e-03	2.05e-03	-2.63e-04
16	68	0.08	-0.12	-0.23	-5.37e-04	-1.02e-03	2.77e-04
16	69	-0.16	0.16	-0.36	1.68e-03	1.35e-03	-3.37e-04
16	70	0.02	-0.07	-0.21	-1.57e-03	-1.72e-03	2.02e-04
16	71	-0.10	0.10	-0.37	2.73e-03	2.06e-03	-2.63e-04
16	72	0.08	-0.12	-0.23	-5.16e-04	-1.01e-03	2.77e-04
16	73	-0.16	0.16	-0.36	1.66e-03	1.34e-03	-3.37e-04
16	74	0.02	-0.06	-0.21	-1.59e-03	-1.73e-03	2.02e-04
16	75	0.02	-0.03	-0.33	2.33e-03	1.47e-03	2.74e-06
16	76	0.06	-0.09	-0.30	1.66e-03	7.91e-04	1.41e-04
16	77	-0.14	0.13	-0.28	-5.17e-04	-4.61e-04	-2.02e-04
16	78	-0.09	0.07	-0.25	-1.19e-03	-1.14e-03	-6.31e-05
16	79	0.02	-0.04	-0.33	2.39e-03	1.51e-03	5.09e-06
16	80	0.06	-0.09	-0.30	1.59e-03	7.52e-04	1.39e-04
16	81	-0.14	0.12	-0.29	-4.50e-04	-4.21e-04	-1.99e-04
16	82	-0.09	0.07	-0.25	-1.25e-03	-1.18e-03	-6.55e-05
16	83	0.02	-0.04	-0.33	2.38e-03	1.50e-03	2.61e-06
16	84	0.06	-0.10	-0.30	1.71e-03	8.16e-04	1.41e-04
16	85	-0.14	0.13	-0.28	-5.74e-04	-4.86e-04	-2.01e-04
16	86	-0.09	0.07	-0.25	-1.24e-03	-1.17e-03	-6.30e-05
16	87	0.02	-0.04	-0.34	2.45e-03	1.54e-03	4.97e-06
16	88	0.06	-0.09	-0.30	1.65e-03	7.77e-04	1.39e-04
16	89	-0.14	0.13	-0.28	-5.07e-04	-4.47e-04	-1.99e-04
16	90	-0.10	0.07	-0.25	-1.31e-03	-1.21e-03	-6.53e-05
16	91	-0.09	0.09	-0.36	2.11e-03	1.60e-03	-2.30e-04
16	92	0.06	-0.11	-0.24	-1.22e-04	-6.84e-04	2.31e-04
16	93	-0.14	0.14	-0.34	1.26e-03	1.01e-03	-2.92e-04
16	94	0.02	-0.06	-0.23	-9.75e-04	-1.26e-03	1.70e-04
16	95	-0.09	0.09	-0.36	2.13e-03	1.60e-03	-2.30e-04
16	96	0.06	-0.11	-0.24	-1.05e-04	-6.76e-04	2.31e-04
16	97	-0.14	0.14	-0.34	1.24e-03	1.01e-03	-2.92e-04
16	98	0.02	-0.06	-0.23	-9.92e-04	-1.27e-03	1.70e-04
16	99	-0.09	0.08	-0.36	2.34e-03	1.73e-03	-2.22e-04
16	100	0.06	-0.10	-0.24	-3.45e-04	-8.15e-04	2.23e-04

16	101	-0.14	0.13	-0.34	1.48e-03	1.15e-03	-2.84e-04
16	102	0.01	-0.05	-0.23	-1.20e-03	-1.40e-03	1.62e-04
16	103	-0.09	0.08	-0.36	2.35e-03	1.73e-03	-2.22e-04
16	104	0.06	-0.10	-0.24	-3.28e-04	-8.08e-04	2.23e-04
16	105	-0.14	0.13	-0.34	1.47e-03	1.14e-03	-2.84e-04
16	106	0.01	-0.05	-0.23	-1.22e-03	-1.40e-03	1.62e-04
17	1	-0.02	0.08	-0.29	-1.50e-04	-2.04e-05	-4.75e-05
17	2	-0.06	0.21	-0.44	-4.41e-04	5.32e-05	-3.98e-05
17	3	-0.01	0.06	-0.22	-1.10e-04	-1.71e-05	-3.67e-05
17	4	-0.06	0.19	-0.37	-4.01e-04	5.66e-05	-2.90e-05
17	5	-0.01	0.06	-0.22	-1.13e-04	-1.63e-05	-3.66e-05
17	6	-0.04	0.15	-0.32	-3.07e-04	3.28e-05	-3.15e-05
17	7	-0.01	0.06	-0.22	-1.13e-04	-1.63e-05	-3.66e-05
17	8	-0.03	0.12	-0.29	-2.49e-04	1.81e-05	-3.30e-05
17	9	-0.01	0.06	-0.22	-1.13e-04	-1.63e-05	-3.66e-05
17	10	-0.03	0.11	-0.28	-2.29e-04	1.32e-05	-3.35e-05
17	11	0.20	0.59	-0.31	-1.04e-03	3.13e-04	-1.41e-03
17	12	0.26	-0.70	-0.24	1.15e-03	-3.85e-05	-5.56e-04
17	13	-0.32	0.92	-0.33	-1.61e-03	6.48e-05	4.89e-04
17	14	-0.26	-0.37	-0.26	5.80e-04	-2.87e-04	1.34e-03
17	15	0.20	0.61	-0.31	-1.08e-03	3.23e-04	-1.51e-03
17	16	0.26	-0.72	-0.24	1.19e-03	-4.75e-05	-4.58e-04
17	17	-0.32	0.94	-0.33	-1.65e-03	7.39e-05	3.91e-04
17	18	-0.26	-0.39	-0.26	6.22e-04	-2.96e-04	1.44e-03
17	19	0.21	0.64	-0.31	-1.12e-03	3.13e-04	-1.46e-03
17	20	0.27	-0.65	-0.24	1.07e-03	-3.88e-05	-6.05e-04
17	21	-0.33	0.87	-0.32	-1.53e-03	6.51e-05	5.38e-04
17	22	-0.27	-0.42	-0.26	6.59e-04	-2.87e-04	1.39e-03
17	23	0.20	0.66	-0.31	-1.16e-03	3.22e-04	-1.56e-03
17	24	0.27	-0.67	-0.24	1.11e-03	-4.78e-05	-5.07e-04
17	25	-0.33	0.89	-0.33	-1.57e-03	7.42e-05	4.40e-04
17	26	-0.27	-0.44	-0.26	7.02e-04	-2.96e-04	1.49e-03
17	27	-0.05	2.20	-0.39	-3.79e-03	6.37e-04	-1.74e-03
17	28	0.15	-2.08	-0.17	3.50e-03	-5.36e-04	1.11e-03
17	29	-0.21	2.30	-0.39	-3.96e-03	5.62e-04	-1.17e-03
17	30	-8.64e-03	-1.98	-0.18	3.33e-03	-6.11e-04	1.68e-03
17	31	-0.05	2.22	-0.39	-3.81e-03	6.37e-04	-1.76e-03
17	32	0.15	-2.07	-0.18	3.48e-03	-5.36e-04	1.09e-03
17	33	-0.21	2.29	-0.39	-3.93e-03	5.63e-04	-1.16e-03
17	34	-0.01	-2.00	-0.18	3.35e-03	-6.11e-04	1.69e-03
17	35	-0.06	2.29	-0.39	-3.93e-03	6.67e-04	-2.07e-03
17	36	0.16	-2.17	-0.17	3.64e-03	-5.66e-04	1.43e-03
17	37	-0.22	2.39	-0.40	-4.10e-03	5.93e-04	-1.50e-03
17	38	7.70e-04	-2.07	-0.18	3.47e-03	-6.41e-04	2.00e-03
17	39	-0.06	2.30	-0.39	-3.95e-03	6.67e-04	-2.08e-03
17	40	0.16	-2.15	-0.17	3.62e-03	-5.66e-04	1.42e-03
17	41	-0.22	2.37	-0.40	-4.08e-03	5.93e-04	-1.49e-03
17	42	-2.09e-03	-2.08	-0.18	3.49e-03	-6.41e-04	2.02e-03
17	43	0.15	0.49	-0.30	-8.71e-04	2.51e-04	-1.12e-03
17	44	0.20	-0.53	-0.25	8.62e-04	-2.79e-05	-4.46e-04
17	45	-0.26	0.75	-0.32	-1.32e-03	5.42e-05	3.79e-04
17	46	-0.21	-0.27	-0.27	4.12e-04	-2.25e-04	1.06e-03
17	47	0.15	0.51	-0.30	-9.04e-04	2.58e-04	-1.20e-03
17	48	0.20	-0.55	-0.25	8.96e-04	-3.51e-05	-3.68e-04
17	49	-0.26	0.77	-0.32	-1.35e-03	6.14e-05	3.01e-04
17	50	-0.21	-0.29	-0.27	4.45e-04	-2.32e-04	1.13e-03
17	51	0.16	0.53	-0.30	-9.34e-04	2.51e-04	-1.16e-03
17	52	0.21	-0.49	-0.25	7.99e-04	-2.82e-05	-4.84e-04
17	53	-0.27	0.71	-0.32	-1.26e-03	5.45e-05	4.17e-04
17	54	-0.22	-0.31	-0.26	4.75e-04	-2.24e-04	1.09e-03
17	55	0.16	0.55	-0.31	-9.68e-04	2.58e-04	-1.24e-03
17	56	0.21	-0.51	-0.25	8.33e-04	-3.54e-05	-4.06e-04
17	57	-0.27	0.73	-0.32	-1.29e-03	6.17e-05	3.39e-04
17	58	-0.22	-0.33	-0.26	5.09e-04	-2.32e-04	1.17e-03
17	59	-0.05	1.77	-0.37	-3.05e-03	5.08e-04	-1.39e-03
17	60	0.11	-1.63	-0.20	2.73e-03	-4.22e-04	8.70e-04
17	61	-0.17	1.85	-0.37	-3.19e-03	4.49e-04	-9.37e-04
17	62	-0.01	-1.55	-0.20	2.59e-03	-4.81e-04	1.32e-03
17	63	-0.05	1.78	-0.37	-3.07e-03	5.08e-04	-1.40e-03
17	64	0.11	-1.61	-0.20	2.71e-03	-4.22e-04	8.58e-04
17	65	-0.17	1.84	-0.37	-3.17e-03	4.49e-04	-9.25e-04
17	66	-0.02	-1.56	-0.20	2.61e-03	-4.81e-04	1.33e-03

17	67	-0.06	1.84	-0.37	-3.16e-03	5.32e-04	-1.65e-03
17	68	0.12	-1.69	-0.19	2.84e-03	-4.46e-04	1.13e-03
17	69	-0.18	1.91	-0.37	-3.30e-03	4.73e-04	-1.20e-03
17	70	-5.76e-03	-1.62	-0.20	2.70e-03	-5.05e-04	1.58e-03
17	71	-0.05	1.85	-0.37	-3.18e-03	5.31e-04	-1.66e-03
17	72	0.12	-1.68	-0.20	2.82e-03	-4.46e-04	1.12e-03
17	73	-0.18	1.90	-0.37	-3.28e-03	4.73e-04	-1.18e-03
17	74	-8.01e-03	-1.63	-0.20	2.72e-03	-5.05e-04	1.59e-03
17	75	0.12	0.42	-0.30	-7.59e-04	2.10e-04	-9.35e-04
17	76	0.16	-0.42	-0.26	6.73e-04	-2.07e-05	-3.75e-04
17	77	-0.22	0.64	-0.31	-1.13e-03	4.71e-05	3.08e-04
17	78	-0.18	-0.20	-0.27	3.01e-04	-1.83e-04	8.68e-04
17	79	0.12	0.44	-0.30	-7.87e-04	2.16e-04	-9.99e-04
17	80	0.16	-0.43	-0.26	7.01e-04	-2.67e-05	-3.11e-04
17	81	-0.22	0.66	-0.31	-1.16e-03	5.30e-05	2.44e-04
17	82	-0.18	-0.22	-0.27	3.28e-04	-1.89e-04	9.32e-04
17	83	0.13	0.46	-0.30	-8.12e-04	2.10e-04	-9.66e-04
17	84	0.16	-0.39	-0.26	6.21e-04	-2.10e-05	-4.07e-04
17	85	-0.23	0.61	-0.31	-1.08e-03	4.73e-05	3.39e-04
17	86	-0.19	-0.23	-0.27	3.53e-04	-1.83e-04	8.99e-04
17	87	0.12	0.47	-0.30	-8.39e-04	2.15e-04	-1.03e-03
17	88	0.17	-0.40	-0.26	6.48e-04	-2.69e-05	-3.42e-04
17	89	-0.23	0.62	-0.31	-1.11e-03	5.32e-05	2.75e-04
17	90	-0.18	-0.25	-0.27	3.81e-04	-1.89e-04	9.64e-04
17	91	-0.04	1.48	-0.35	-2.56e-03	4.22e-04	-1.15e-03
17	92	0.09	-1.32	-0.21	2.21e-03	-3.47e-04	7.13e-04
17	93	-0.15	1.55	-0.36	-2.67e-03	3.73e-04	-7.80e-04
17	94	-0.02	-1.26	-0.22	2.10e-03	-3.95e-04	1.09e-03
17	95	-0.04	1.49	-0.35	-2.58e-03	4.22e-04	-1.16e-03
17	96	0.09	-1.32	-0.21	2.20e-03	-3.47e-04	7.03e-04
17	97	-0.15	1.54	-0.36	-2.66e-03	3.73e-04	-7.70e-04
17	98	-0.02	-1.27	-0.22	2.12e-03	-3.95e-04	1.10e-03
17	99	-0.05	1.54	-0.36	-2.65e-03	4.42e-04	-1.37e-03
17	100	0.09	-1.38	-0.21	2.31e-03	-3.66e-04	9.27e-04
17	101	-0.15	1.60	-0.36	-2.76e-03	3.93e-04	-9.94e-04
17	102	-0.01	-1.32	-0.21	2.19e-03	-4.15e-04	1.30e-03
17	103	-0.05	1.55	-0.36	-2.67e-03	4.42e-04	-1.38e-03
17	104	0.09	-1.37	-0.21	2.29e-03	-3.67e-04	9.18e-04
17	105	-0.15	1.59	-0.36	-2.75e-03	3.93e-04	-9.85e-04
17	106	-0.01	-1.33	-0.21	2.21e-03	-4.15e-04	1.31e-03
18	1	-0.02	-2.55e-03	-0.28	2.48e-04	-7.78e-06	-5.79e-05
18	2	-0.09	-7.80e-03	-0.45	1.04e-03	-1.05e-04	-2.04e-04
18	3	-0.01	-1.86e-03	-0.21	1.76e-04	-4.14e-06	-4.18e-05
18	4	-0.09	-7.11e-03	-0.39	9.69e-04	-1.02e-04	-1.88e-04
18	5	-0.01	-1.92e-03	-0.21	1.84e-04	-5.18e-06	-4.34e-05
18	6	-0.06	-5.42e-03	-0.33	7.13e-04	-7.03e-05	-1.41e-04
18	7	-0.01	-1.92e-03	-0.21	1.84e-04	-5.18e-06	-4.34e-05
18	8	-0.05	-4.37e-03	-0.29	5.54e-04	-5.07e-05	-1.11e-04
18	9	-0.01	-1.92e-03	-0.21	1.84e-04	-5.18e-06	-4.34e-05
18	10	-0.04	-4.02e-03	-0.28	5.01e-04	-4.42e-05	-1.02e-04
18	11	0.06	-0.16	-0.36	3.01e-03	4.31e-04	-5.14e-04
18	12	0.17	-0.26	-0.44	3.77e-03	6.75e-04	1.01e-04
18	13	-0.25	0.25	-0.12	-2.77e-03	-7.64e-04	-3.04e-04
18	14	-0.15	0.16	-0.20	-2.01e-03	-5.20e-04	3.11e-04
18	15	0.07	-0.17	-0.37	2.89e-03	4.40e-04	-5.16e-04
18	16	0.17	-0.26	-0.44	3.89e-03	6.66e-04	1.02e-04
18	17	-0.25	0.25	-0.13	-2.89e-03	-7.55e-04	-3.05e-04
18	18	-0.15	0.16	-0.20	-1.89e-03	-5.29e-04	3.12e-04
18	19	0.07	-0.17	-0.37	3.15e-03	4.57e-04	-5.08e-04
18	20	0.17	-0.27	-0.45	3.91e-03	7.00e-04	1.07e-04
18	21	-0.26	0.26	-0.11	-2.91e-03	-7.89e-04	-3.11e-04
18	22	-0.15	0.17	-0.20	-2.15e-03	-5.45e-04	3.04e-04
18	23	0.07	-0.18	-0.37	3.03e-03	4.66e-04	-5.09e-04
18	24	0.17	-0.26	-0.45	4.03e-03	6.91e-04	1.08e-04
18	25	-0.25	0.26	-0.12	-3.03e-03	-7.80e-04	-3.12e-04
18	26	-0.15	0.17	-0.19	-2.03e-03	-5.54e-04	3.06e-04
18	27	-0.17	0.09	-0.18	1.00e-04	-2.72e-04	-1.16e-03
18	28	0.18	-0.23	-0.45	2.64e-03	5.42e-04	8.92e-04
18	29	-0.26	0.22	-0.11	-1.63e-03	-6.30e-04	-1.10e-03
18	30	0.08	-0.10	-0.38	9.03e-04	1.83e-04	9.55e-04
18	31	-0.17	0.09	-0.19	1.43e-04	-2.64e-04	-1.16e-03
18	32	0.18	-0.23	-0.45	2.68e-03	5.49e-04	8.94e-04

18	33	-0.26	0.22	-0.11	-1.68e-03	-6.38e-04	-1.10e-03
18	34	0.08	-0.10	-0.38	8.60e-04	1.76e-04	9.53e-04
18	35	-0.16	0.08	-0.20	-3.01e-04	-2.41e-04	-1.16e-03
18	36	0.17	-0.21	-0.44	3.04e-03	5.11e-04	8.96e-04
18	37	-0.26	0.20	-0.13	-2.03e-03	-6.00e-04	-1.10e-03
18	38	0.08	-0.08	-0.37	1.30e-03	1.53e-04	9.59e-04
18	39	-0.16	0.07	-0.20	-2.59e-04	-2.34e-04	-1.16e-03
18	40	0.17	-0.21	-0.44	3.08e-03	5.19e-04	8.98e-04
18	41	-0.26	0.20	-0.12	-2.08e-03	-6.07e-04	-1.10e-03
18	42	0.07	-0.08	-0.37	1.26e-03	1.45e-04	9.57e-04
18	43	0.04	-0.13	-0.35	2.49e-03	3.32e-04	-4.28e-04
18	44	0.12	-0.21	-0.41	3.08e-03	5.25e-04	5.91e-05
18	45	-0.21	0.20	-0.16	-2.08e-03	-6.13e-04	-2.63e-04
18	46	-0.13	0.12	-0.22	-1.48e-03	-4.20e-04	2.25e-04
18	47	0.04	-0.14	-0.35	2.39e-03	3.39e-04	-4.29e-04
18	48	0.12	-0.20	-0.41	3.18e-03	5.17e-04	6.01e-05
18	49	-0.21	0.19	-0.16	-2.18e-03	-6.06e-04	-2.64e-04
18	50	-0.13	0.13	-0.22	-1.39e-03	-4.27e-04	2.26e-04
18	51	0.04	-0.14	-0.35	2.60e-03	3.52e-04	-4.22e-04
18	52	0.13	-0.21	-0.41	3.20e-03	5.45e-04	6.49e-05
18	53	-0.21	0.21	-0.15	-2.20e-03	-6.33e-04	-2.68e-04
18	54	-0.13	0.13	-0.21	-1.60e-03	-4.40e-04	2.19e-04
18	55	0.04	-0.14	-0.35	2.50e-03	3.59e-04	-4.23e-04
18	56	0.12	-0.21	-0.41	3.29e-03	5.38e-04	6.59e-05
18	57	-0.21	0.20	-0.15	-2.29e-03	-6.26e-04	-2.69e-04
18	58	-0.13	0.13	-0.21	-1.50e-03	-4.48e-04	2.20e-04
18	59	-0.14	0.07	-0.20	1.89e-04	-2.24e-04	-9.39e-04
18	60	0.13	-0.18	-0.42	2.18e-03	4.19e-04	6.85e-04
18	61	-0.22	0.17	-0.15	-1.18e-03	-5.07e-04	-8.89e-04
18	62	0.06	-0.08	-0.36	8.14e-04	1.35e-04	7.35e-04
18	63	-0.14	0.07	-0.21	2.23e-04	-2.18e-04	-9.37e-04
18	64	0.13	-0.18	-0.42	2.22e-03	4.25e-04	6.87e-04
18	65	-0.22	0.18	-0.15	-1.22e-03	-5.13e-04	-8.91e-04
18	66	0.06	-0.08	-0.36	7.80e-04	1.29e-04	7.33e-04
18	67	-0.14	0.06	-0.21	-1.31e-04	-2.00e-04	-9.42e-04
18	68	0.13	-0.17	-0.41	2.50e-03	3.95e-04	6.89e-04
18	69	-0.21	0.16	-0.16	-1.50e-03	-4.83e-04	-8.92e-04
18	70	0.05	-0.07	-0.35	1.13e-03	1.11e-04	7.39e-04
18	71	-0.14	0.06	-0.22	-9.65e-05	-1.94e-04	-9.40e-04
18	72	0.13	-0.17	-0.41	2.54e-03	4.01e-04	6.91e-04
18	73	-0.21	0.16	-0.16	-1.54e-03	-4.89e-04	-8.94e-04
18	74	0.05	-0.06	-0.35	1.10e-03	1.05e-04	7.37e-04
18	75	0.03	-0.11	-0.33	2.14e-03	2.67e-04	-3.72e-04
18	76	0.09	-0.17	-0.39	2.64e-03	4.26e-04	3.10e-05
18	77	-0.18	0.16	-0.18	-1.63e-03	-5.15e-04	-2.35e-04
18	78	-0.11	0.10	-0.23	-1.14e-03	-3.55e-04	1.68e-04
18	79	0.03	-0.11	-0.34	2.06e-03	2.73e-04	-3.72e-04
18	80	0.09	-0.17	-0.38	2.72e-03	4.20e-04	3.19e-05
18	81	-0.18	0.16	-0.18	-1.71e-03	-5.09e-04	-2.35e-04
18	82	-0.11	0.10	-0.23	-1.06e-03	-3.61e-04	1.69e-04
18	83	0.03	-0.11	-0.34	2.24e-03	2.83e-04	-3.67e-04
18	84	0.10	-0.18	-0.39	2.73e-03	4.43e-04	3.57e-05
18	85	-0.18	0.17	-0.17	-1.73e-03	-5.31e-04	-2.39e-04
18	86	-0.11	0.11	-0.23	-1.23e-03	-3.72e-04	1.63e-04
18	87	0.03	-0.12	-0.34	2.16e-03	2.89e-04	-3.68e-04
18	88	0.09	-0.17	-0.39	2.81e-03	4.37e-04	3.66e-05
18	89	-0.18	0.17	-0.18	-1.81e-03	-5.25e-04	-2.40e-04
18	90	-0.12	0.11	-0.22	-1.15e-03	-3.78e-04	1.64e-04
18	91	-0.13	0.06	-0.22	2.43e-04	-1.93e-04	-7.93e-04
18	92	0.10	-0.15	-0.39	1.89e-03	3.39e-04	5.49e-04
18	93	-0.19	0.14	-0.17	-8.90e-04	-4.27e-04	-7.52e-04
18	94	0.04	-0.07	-0.35	7.60e-04	1.04e-04	5.90e-04
18	95	-0.12	0.06	-0.22	2.71e-04	-1.88e-04	-7.92e-04
18	96	0.10	-0.15	-0.40	1.92e-03	3.44e-04	5.50e-04
18	97	-0.19	0.14	-0.17	-9.18e-04	-4.32e-04	-7.54e-04
18	98	0.04	-0.07	-0.35	7.32e-04	9.92e-05	5.88e-04
18	99	-0.12	0.05	-0.23	-2.11e-05	-1.73e-04	-7.96e-04
18	100	0.10	-0.14	-0.38	2.16e-03	3.19e-04	5.52e-04
18	101	-0.18	0.13	-0.18	-1.15e-03	-4.07e-04	-7.55e-04
18	102	0.03	-0.06	-0.34	1.02e-03	8.44e-05	5.93e-04
18	103	-0.12	0.05	-0.23	7.04e-06	-1.68e-04	-7.95e-04
18	104	0.10	-0.14	-0.39	2.18e-03	3.24e-04	5.53e-04

18	105	-0.18	0.13	-0.18	-1.18e-03	-4.12e-04	-7.57e-04
18	106	0.03	-0.05	-0.34	9.96e-04	7.94e-05	5.91e-04
19	1	-0.02	0.08	-0.28	-1.29e-04	-9.22e-05	-4.80e-05
19	2	-0.07	0.21	-0.42	-3.73e-04	-4.31e-04	-4.26e-05
19	3	-0.01	0.06	-0.22	-9.43e-05	-6.45e-05	-3.71e-05
19	4	-0.06	0.19	-0.35	-3.39e-04	-4.04e-04	-3.16e-05
19	5	-0.02	0.06	-0.22	-9.69e-05	-6.82e-05	-3.70e-05
19	6	-0.05	0.15	-0.31	-2.60e-04	-2.94e-04	-3.34e-05
19	7	-0.02	0.06	-0.22	-9.69e-05	-6.82e-05	-3.70e-05
19	8	-0.04	0.12	-0.28	-2.11e-04	-2.26e-04	-3.45e-05
19	9	-0.02	0.06	-0.22	-9.69e-05	-6.82e-05	-3.70e-05
19	10	-0.03	0.11	-0.27	-1.95e-04	-2.04e-04	-3.48e-05
19	11	0.11	0.57	-0.16	-7.66e-04	3.30e-04	-1.42e-03
19	12	0.22	-0.77	-0.31	8.68e-04	-2.94e-04	-5.59e-04
19	13	-0.29	1.00	-0.23	-1.26e-03	-1.13e-04	4.90e-04
19	14	-0.18	-0.35	-0.39	3.77e-04	-7.38e-04	1.35e-03
19	15	0.11	0.61	-0.15	-7.95e-04	3.51e-04	-1.52e-03
19	16	0.22	-0.80	-0.32	8.97e-04	-3.14e-04	-4.61e-04
19	17	-0.29	1.03	-0.23	-1.29e-03	-9.31e-05	3.91e-04
19	18	-0.18	-0.38	-0.39	4.06e-04	-7.58e-04	1.45e-03
19	19	0.11	0.96	-0.16	-1.21e-03	3.32e-04	-1.47e-03
19	20	0.22	-0.38	-0.32	4.28e-04	-2.92e-04	-6.10e-04
19	21	-0.28	0.61	-0.23	-8.17e-04	-1.15e-04	5.41e-04
19	22	-0.18	-0.73	-0.39	8.17e-04	-7.40e-04	1.40e-03
19	23	0.11	0.99	-0.16	-1.24e-03	3.52e-04	-1.57e-03
19	24	0.22	-0.42	-0.32	4.57e-04	-3.13e-04	-5.12e-04
19	25	-0.29	0.64	-0.23	-8.47e-04	-9.51e-05	4.42e-04
19	26	-0.18	-0.77	-0.39	8.46e-04	-7.60e-04	1.50e-03
19	27	-0.16	2.29	-1.87e-03	-2.84e-03	9.04e-04	-1.75e-03
19	28	0.21	-2.19	-0.52	2.60e-03	-1.18e-03	1.11e-03
19	29	-0.27	2.41	-0.02	-2.99e-03	7.71e-04	-1.18e-03
19	30	0.09	-2.06	-0.54	2.46e-03	-1.31e-03	1.68e-03
19	31	-0.16	2.40	-2.54e-03	-2.98e-03	9.04e-04	-1.77e-03
19	32	0.21	-2.07	-0.52	2.47e-03	-1.18e-03	1.09e-03
19	33	-0.27	2.30	-0.02	-2.86e-03	7.70e-04	-1.16e-03
19	34	0.09	-2.18	-0.54	2.59e-03	-1.31e-03	1.70e-03
19	35	-0.16	2.40	0.01	-2.94e-03	9.71e-04	-2.08e-03
19	36	0.21	-2.30	-0.53	2.70e-03	-1.25e-03	1.44e-03
19	37	-0.28	2.52	-0.01	-3.09e-03	8.38e-04	-1.51e-03
19	38	0.09	-2.17	-0.56	2.55e-03	-1.38e-03	2.01e-03
19	39	-0.16	2.51	9.38e-03	-3.07e-03	9.72e-04	-2.09e-03
19	40	0.21	-2.18	-0.53	2.57e-03	-1.24e-03	1.42e-03
19	41	-0.28	2.41	-0.01	-2.96e-03	8.37e-04	-1.49e-03
19	42	0.09	-2.29	-0.55	2.68e-03	-1.38e-03	2.02e-03
19	43	0.08	0.48	-0.18	-6.48e-04	2.19e-04	-1.13e-03
19	44	0.16	-0.59	-0.31	6.48e-04	-2.76e-04	-4.49e-04
19	45	-0.23	0.81	-0.24	-1.04e-03	-1.32e-04	3.79e-04
19	46	-0.15	-0.25	-0.36	2.59e-04	-6.27e-04	1.06e-03
19	47	0.08	0.50	-0.18	-6.71e-04	2.35e-04	-1.21e-03
19	48	0.17	-0.61	-0.31	6.71e-04	-2.92e-04	-3.71e-04
19	49	-0.23	0.84	-0.24	-1.06e-03	-1.16e-04	3.01e-04
19	50	-0.15	-0.28	-0.37	2.82e-04	-6.43e-04	1.14e-03
19	51	0.08	0.78	-0.18	-9.96e-04	2.21e-04	-1.17e-03
19	52	0.16	-0.28	-0.31	3.00e-04	-2.74e-04	-4.89e-04
19	53	-0.23	0.51	-0.24	-6.89e-04	-1.33e-04	4.19e-04
19	54	-0.15	-0.56	-0.36	6.07e-04	-6.28e-04	1.10e-03
19	55	0.08	0.81	-0.18	-1.02e-03	2.37e-04	-1.25e-03
19	56	0.16	-0.31	-0.31	3.23e-04	-2.90e-04	-4.11e-04
19	57	-0.23	0.53	-0.24	-7.12e-04	-1.17e-04	3.41e-04
19	58	-0.15	-0.58	-0.36	6.30e-04	-6.44e-04	1.18e-03
19	59	-0.13	1.84	-0.06	-2.30e-03	6.74e-04	-1.39e-03
19	60	0.16	-1.71	-0.47	2.02e-03	-9.76e-04	8.72e-04
19	61	-0.22	1.94	-0.08	-2.41e-03	5.69e-04	-9.41e-04
19	62	0.06	-1.61	-0.49	1.91e-03	-1.08e-03	1.32e-03
19	63	-0.13	1.93	-0.06	-2.40e-03	6.74e-04	-1.41e-03
19	64	0.16	-1.62	-0.47	1.92e-03	-9.76e-04	8.60e-04
19	65	-0.22	1.85	-0.07	-2.31e-03	5.68e-04	-9.29e-04
19	66	0.06	-1.70	-0.49	2.01e-03	-1.08e-03	1.34e-03
19	67	-0.13	1.92	-0.05	-2.37e-03	7.27e-04	-1.65e-03
19	68	0.16	-1.80	-0.48	2.10e-03	-1.03e-03	1.13e-03
19	69	-0.23	2.02	-0.07	-2.49e-03	6.22e-04	-1.20e-03
19	70	0.06	-1.70	-0.50	1.98e-03	-1.13e-03	1.58e-03

19	71	-0.13	2.01	-0.05	-2.48e-03	7.28e-04	-1.67e-03
19	72	0.16	-1.71	-0.48	2.00e-03	-1.03e-03	1.12e-03
19	73	-0.23	1.93	-0.07	-2.38e-03	6.22e-04	-1.19e-03
19	74	0.06	-1.79	-0.50	2.09e-03	-1.14e-03	1.60e-03
19	75	0.06	0.41	-0.20	-5.69e-04	1.46e-04	-9.39e-04
19	76	0.13	-0.47	-0.30	5.01e-04	-2.63e-04	-3.77e-04
19	77	-0.20	0.69	-0.25	-8.91e-04	-1.44e-04	3.08e-04
19	78	-0.13	-0.19	-0.35	1.80e-04	-5.53e-04	8.69e-04
19	79	0.06	0.44	-0.20	-5.88e-04	1.59e-04	-1.00e-03
19	80	0.13	-0.49	-0.30	5.20e-04	-2.77e-04	-3.13e-04
19	81	-0.20	0.71	-0.24	-9.10e-04	-1.31e-04	2.43e-04
19	82	-0.13	-0.21	-0.35	1.99e-04	-5.67e-04	9.34e-04
19	83	0.06	0.67	-0.20	-8.57e-04	1.47e-04	-9.72e-04
19	84	0.13	-0.21	-0.30	2.14e-04	-2.62e-04	-4.11e-04
19	85	-0.20	0.44	-0.24	-6.03e-04	-1.45e-04	3.41e-04
19	86	-0.13	-0.44	-0.35	4.68e-04	-5.55e-04	9.03e-04
19	87	0.06	0.69	-0.20	-8.76e-04	1.60e-04	-1.04e-03
19	88	0.13	-0.23	-0.30	2.33e-04	-2.75e-04	-3.46e-04
19	89	-0.20	0.46	-0.24	-6.22e-04	-1.32e-04	2.76e-04
19	90	-0.13	-0.46	-0.35	4.87e-04	-5.68e-04	9.67e-04
19	91	-0.11	1.54	-0.10	-1.93e-03	5.22e-04	-1.16e-03
19	92	0.12	-1.40	-0.44	1.64e-03	-8.42e-04	7.14e-04
19	93	-0.19	1.62	-0.11	-2.03e-03	4.35e-04	-7.84e-04
19	94	0.05	-1.31	-0.45	1.54e-03	-9.29e-04	1.09e-03
19	95	-0.11	1.61	-0.10	-2.02e-03	5.22e-04	-1.17e-03
19	96	0.12	-1.32	-0.44	1.55e-03	-8.42e-04	7.04e-04
19	97	-0.19	1.54	-0.11	-1.94e-03	4.34e-04	-7.74e-04
19	98	0.05	-1.39	-0.45	1.63e-03	-9.30e-04	1.10e-03
19	99	-0.12	1.61	-0.09	-1.99e-03	5.66e-04	-1.37e-03
19	100	0.12	-1.47	-0.44	1.70e-03	-8.86e-04	9.29e-04
19	101	-0.19	1.69	-0.10	-2.09e-03	4.79e-04	-9.99e-04
19	102	0.05	-1.38	-0.46	1.60e-03	-9.73e-04	1.30e-03
19	103	-0.12	1.68	-0.09	-2.08e-03	5.66e-04	-1.38e-03
19	104	0.12	-1.39	-0.44	1.62e-03	-8.86e-04	9.19e-04
19	105	-0.19	1.62	-0.10	-2.00e-03	4.78e-04	-9.89e-04
19	106	0.05	-1.46	-0.46	1.69e-03	-9.74e-04	1.31e-03
20	1	-0.02	6.35e-03	-0.28	2.26e-04	-1.55e-05	-1.83e-05
20	2	-0.09	0.03	-0.45	1.20e-03	-1.31e-04	-5.96e-05
20	3	-0.01	4.39e-03	-0.21	1.55e-04	-9.72e-06	-1.33e-05
20	4	-0.08	0.03	-0.39	1.13e-03	-1.25e-04	-5.46e-05
20	5	-0.01	4.67e-03	-0.21	1.66e-04	-1.10e-05	-1.37e-05
20	6	-0.06	0.02	-0.33	8.16e-04	-8.78e-05	-4.13e-05
20	7	-0.01	4.67e-03	-0.21	1.66e-04	-1.10e-05	-1.37e-05
20	8	-0.05	0.02	-0.29	6.21e-04	-6.47e-05	-3.30e-05
20	9	-0.01	4.67e-03	-0.21	1.66e-04	-1.10e-05	-1.37e-05
20	10	-0.04	0.02	-0.28	5.56e-04	-5.71e-05	-3.02e-05
20	11	0.05	-0.06	-0.36	1.97e-03	5.41e-04	1.45e-05
20	12	0.14	-0.14	-0.44	3.07e-03	8.36e-04	2.43e-04
20	13	-0.22	0.17	-0.12	-1.96e-03	-9.50e-04	-3.03e-04
20	14	-0.13	0.09	-0.20	-8.54e-04	-6.55e-04	-7.50e-05
20	15	0.05	-0.06	-0.37	2.04e-03	5.54e-04	1.88e-05
20	16	0.14	-0.14	-0.44	3.00e-03	8.23e-04	2.39e-04
20	17	-0.22	0.17	-0.13	-1.88e-03	-9.37e-04	-2.99e-04
20	18	-0.13	0.09	-0.20	-9.27e-04	-6.68e-04	-7.93e-05
20	19	0.05	-0.06	-0.37	2.09e-03	5.76e-04	1.60e-05
20	20	0.14	-0.14	-0.45	3.20e-03	8.71e-04	2.44e-04
20	21	-0.22	0.17	-0.12	-2.08e-03	-9.85e-04	-3.05e-04
20	22	-0.13	0.09	-0.20	-9.81e-04	-6.90e-04	-7.65e-05
20	23	0.05	-0.06	-0.37	2.17e-03	5.89e-04	2.03e-05
20	24	0.14	-0.14	-0.45	3.12e-03	8.58e-04	2.40e-04
20	25	-0.22	0.17	-0.12	-2.01e-03	-9.72e-04	-3.01e-04
20	26	-0.13	0.10	-0.19	-1.05e-03	-7.04e-04	-8.07e-05
20	27	-0.16	0.12	-0.18	-6.94e-04	-3.25e-04	-3.63e-04
20	28	0.15	-0.16	-0.45	2.98e-03	6.58e-04	3.98e-04
20	29	-0.24	0.19	-0.11	-1.87e-03	-7.72e-04	-4.59e-04
20	30	0.07	-0.09	-0.38	1.81e-03	2.11e-04	3.03e-04
20	31	-0.15	0.12	-0.19	-6.56e-04	-3.15e-04	-3.63e-04
20	32	0.15	-0.16	-0.45	3.02e-03	6.69e-04	3.99e-04
20	33	-0.24	0.19	-0.11	-1.91e-03	-7.83e-04	-4.59e-04
20	34	0.07	-0.09	-0.38	1.77e-03	2.01e-04	3.02e-04
20	35	-0.15	0.11	-0.20	-4.52e-04	-2.81e-04	-3.49e-04
20	36	0.15	-0.15	-0.44	2.74e-03	6.14e-04	3.84e-04

20	37	-0.23	0.18	-0.13	-1.63e-03	-7.28e-04	-4.44e-04
20	38	0.07	-0.08	-0.37	1.56e-03	1.67e-04	2.89e-04
20	39	-0.15	0.11	-0.20	-4.14e-04	-2.71e-04	-3.49e-04
20	40	0.15	-0.15	-0.44	2.78e-03	6.25e-04	3.84e-04
20	41	-0.23	0.18	-0.12	-1.67e-03	-7.39e-04	-4.45e-04
20	42	0.07	-0.08	-0.36	1.53e-03	1.56e-04	2.88e-04
20	43	0.03	-0.04	-0.35	1.67e-03	4.16e-04	5.36e-06
20	44	0.10	-0.11	-0.41	2.54e-03	6.49e-04	1.86e-04
20	45	-0.19	0.14	-0.16	-1.43e-03	-7.64e-04	-2.46e-04
20	46	-0.11	0.07	-0.22	-5.58e-04	-5.30e-04	-6.58e-05
20	47	0.03	-0.05	-0.35	1.73e-03	4.27e-04	8.64e-06
20	48	0.10	-0.11	-0.41	2.49e-03	6.39e-04	1.83e-04
20	49	-0.18	0.14	-0.16	-1.37e-03	-7.53e-04	-2.43e-04
20	50	-0.11	0.08	-0.22	-6.15e-04	-5.41e-04	-6.91e-05
20	51	0.03	-0.05	-0.35	1.77e-03	4.44e-04	6.53e-06
20	52	0.10	-0.11	-0.41	2.64e-03	6.78e-04	1.87e-04
20	53	-0.19	0.14	-0.15	-1.53e-03	-7.92e-04	-2.48e-04
20	54	-0.11	0.08	-0.21	-6.59e-04	-5.58e-04	-6.70e-05
20	55	0.03	-0.05	-0.35	1.83e-03	4.55e-04	9.81e-06
20	56	0.10	-0.11	-0.41	2.59e-03	6.67e-04	1.84e-04
20	57	-0.19	0.14	-0.15	-1.47e-03	-7.81e-04	-2.44e-04
20	58	-0.11	0.08	-0.21	-7.17e-04	-5.69e-04	-7.03e-05
20	59	-0.13	0.10	-0.20	-4.33e-04	-2.69e-04	-2.93e-04
20	60	0.11	-0.12	-0.42	2.48e-03	5.09e-04	3.08e-04
20	61	-0.20	0.15	-0.15	-1.36e-03	-6.23e-04	-3.69e-04
20	62	0.05	-0.07	-0.36	1.55e-03	1.55e-04	2.33e-04
20	63	-0.13	0.10	-0.21	-4.03e-04	-2.60e-04	-2.93e-04
20	64	0.11	-0.12	-0.42	2.51e-03	5.17e-04	3.09e-04
20	65	-0.20	0.15	-0.15	-1.39e-03	-6.31e-04	-3.69e-04
20	66	0.05	-0.07	-0.36	1.52e-03	1.46e-04	2.33e-04
20	67	-0.13	0.09	-0.22	-2.42e-04	-2.34e-04	-2.82e-04
20	68	0.11	-0.11	-0.41	2.28e-03	4.74e-04	2.97e-04
20	69	-0.19	0.14	-0.16	-1.17e-03	-5.88e-04	-3.58e-04
20	70	0.05	-0.06	-0.35	1.35e-03	1.20e-04	2.22e-04
20	71	-0.13	0.09	-0.22	-2.11e-04	-2.25e-04	-2.82e-04
20	72	0.11	-0.11	-0.41	2.31e-03	4.82e-04	2.98e-04
20	73	-0.19	0.14	-0.16	-1.20e-03	-5.96e-04	-3.58e-04
20	74	0.05	-0.06	-0.35	1.32e-03	1.11e-04	2.22e-04
20	75	0.02	-0.03	-0.33	1.48e-03	3.34e-04	0.0
20	76	0.08	-0.09	-0.39	2.20e-03	5.27e-04	1.48e-04
20	77	-0.16	0.12	-0.18	-1.09e-03	-6.41e-04	-2.09e-04
20	78	-0.10	0.06	-0.23	-3.65e-04	-4.48e-04	-5.97e-05
20	79	0.02	-0.03	-0.34	1.52e-03	3.43e-04	1.91e-06
20	80	0.08	-0.08	-0.38	2.15e-03	5.18e-04	1.46e-04
20	81	-0.16	0.11	-0.18	-1.04e-03	-6.32e-04	-2.06e-04
20	82	-0.10	0.07	-0.23	-4.12e-04	-4.57e-04	-6.24e-05
20	83	0.02	-0.03	-0.34	1.56e-03	3.57e-04	0.0
20	84	0.08	-0.09	-0.39	2.28e-03	5.50e-04	1.49e-04
20	85	-0.16	0.12	-0.17	-1.17e-03	-6.64e-04	-2.10e-04
20	86	-0.10	0.07	-0.23	-4.48e-04	-4.71e-04	-6.06e-05
20	87	0.02	-0.04	-0.34	1.61e-03	3.66e-04	2.86e-06
20	88	0.08	-0.09	-0.39	2.23e-03	5.42e-04	1.47e-04
20	89	-0.16	0.12	-0.18	-1.12e-03	-6.56e-04	-2.07e-04
20	90	-0.10	0.07	-0.22	-4.96e-04	-4.80e-04	-6.33e-05
20	91	-0.12	0.08	-0.22	-2.62e-04	-2.32e-04	-2.48e-04
20	92	0.09	-0.10	-0.39	2.14e-03	4.11e-04	2.50e-04
20	93	-0.17	0.13	-0.17	-1.03e-03	-5.25e-04	-3.10e-04
20	94	0.03	-0.05	-0.35	1.37e-03	1.18e-04	1.87e-04
20	95	-0.12	0.08	-0.22	-2.37e-04	-2.25e-04	-2.47e-04
20	96	0.09	-0.10	-0.39	2.17e-03	4.18e-04	2.50e-04
20	97	-0.17	0.13	-0.17	-1.06e-03	-5.32e-04	-3.10e-04
20	98	0.03	-0.05	-0.34	1.35e-03	1.11e-04	1.87e-04
20	99	-0.11	0.08	-0.23	-1.03e-04	-2.03e-04	-2.39e-04
20	100	0.08	-0.09	-0.38	1.98e-03	3.82e-04	2.41e-04
20	101	-0.17	0.12	-0.18	-8.72e-04	-4.96e-04	-3.01e-04
20	102	0.03	-0.05	-0.34	1.22e-03	8.92e-05	1.78e-04
20	103	-0.11	0.07	-0.23	-7.81e-05	-1.96e-04	-2.38e-04
20	104	0.08	-0.09	-0.39	2.01e-03	3.89e-04	2.41e-04
20	105	-0.17	0.12	-0.18	-8.97e-04	-5.03e-04	-3.01e-04
20	106	0.03	-0.04	-0.34	1.19e-03	8.22e-05	1.78e-04
21	1	-1.42e-04	4.75e-04	-0.27	-1.00e-04	2.27e-05	0.0
21	2	2.14e-04	-2.56e-05	-0.43	-4.68e-04	4.29e-05	1.76e-06

21	3	-1.16e-04	3.75e-04	-0.20	-7.03e-05	1.71e-05	0.0
21	4	2.40e-04	-1.26e-04	-0.36	-4.38e-04	3.73e-05	1.87e-06
21	5	-1.12e-04	3.69e-04	-0.21	-7.42e-05	1.73e-05	0.0
21	6	1.25e-04	3.57e-05	-0.31	-3.19e-04	3.08e-05	1.08e-06
21	7	-1.12e-04	3.69e-04	-0.21	-7.42e-05	1.73e-05	0.0
21	8	5.41e-05	1.36e-04	-0.28	-2.46e-04	2.67e-05	0.0
21	9	-1.12e-04	3.69e-04	-0.21	-7.42e-05	1.73e-05	0.0
21	10	3.04e-05	1.69e-04	-0.27	-2.21e-04	2.54e-05	0.0
21	11	0.03	0.04	-0.23	-2.19e-04	3.92e-04	-6.56e-05
21	12	0.05	0.01	-0.27	8.58e-04	4.83e-04	-1.64e-05
21	13	-0.05	-9.82e-03	-0.27	-1.30e-03	-4.32e-04	1.72e-05
21	14	-0.03	-0.04	-0.31	-2.23e-04	-3.41e-04	6.64e-05
21	15	0.03	0.04	-0.23	-2.02e-04	3.86e-04	-6.84e-05
21	16	0.05	0.01	-0.27	8.41e-04	4.89e-04	-1.35e-05
21	17	-0.05	-0.01	-0.27	-1.28e-03	-4.39e-04	1.44e-05
21	18	-0.03	-0.04	-0.31	-2.41e-04	-3.35e-04	6.93e-05
21	19	0.03	0.04	-0.23	-1.86e-04	4.03e-04	-6.48e-05
21	20	0.05	0.01	-0.27	8.92e-04	4.93e-04	-1.56e-05
21	21	-0.05	-0.01	-0.27	-1.33e-03	-4.43e-04	1.64e-05
21	22	-0.03	-0.04	-0.31	-2.57e-04	-3.52e-04	6.56e-05
21	23	0.03	0.04	-0.23	-1.68e-04	3.96e-04	-6.76e-05
21	24	0.05	0.01	-0.27	8.74e-04	5.00e-04	-1.27e-05
21	25	-0.05	-0.01	-0.27	-1.32e-03	-4.49e-04	1.36e-05
21	26	-0.03	-0.04	-0.31	-2.74e-04	-3.45e-04	6.85e-05
21	27	-8.93e-03	0.06	-0.19	-1.86e-03	-2.37e-06	-9.39e-05
21	28	0.03	-0.04	-0.33	1.74e-03	3.00e-04	6.99e-05
21	29	-0.03	0.04	-0.21	-2.18e-03	-2.50e-04	-6.91e-05
21	30	8.99e-03	-0.06	-0.35	1.41e-03	5.31e-05	9.48e-05
21	31	-9.14e-03	0.06	-0.19	-1.85e-03	0.0	-9.37e-05
21	32	0.03	-0.04	-0.33	1.75e-03	3.04e-04	7.02e-05
21	33	-0.03	0.04	-0.21	-2.19e-03	-2.53e-04	-6.93e-05
21	34	9.20e-03	-0.06	-0.35	1.40e-03	5.00e-05	9.45e-05
21	35	-9.85e-03	0.05	-0.20	-1.80e-03	-2.37e-05	-1.04e-04
21	36	0.03	-0.04	-0.33	1.68e-03	3.22e-04	7.96e-05
21	37	-0.03	0.04	-0.21	-2.12e-03	-2.71e-04	-7.87e-05
21	38	9.91e-03	-0.05	-0.34	1.35e-03	7.45e-05	1.04e-04
21	39	-0.01	0.05	-0.20	-1.79e-03	-2.06e-05	-1.03e-04
21	40	0.03	-0.04	-0.33	1.69e-03	3.25e-04	7.98e-05
21	41	-0.03	0.04	-0.21	-2.13e-03	-2.74e-04	-7.90e-05
21	42	0.01	-0.05	-0.34	1.34e-03	7.14e-05	1.04e-04
21	43	0.03	0.03	-0.24	-2.20e-04	3.16e-04	-5.16e-05
21	44	0.04	8.01e-03	-0.27	6.34e-04	3.87e-04	-1.29e-05
21	45	-0.04	-7.67e-03	-0.27	-1.08e-03	-3.37e-04	1.38e-05
21	46	-0.03	-0.03	-0.30	-2.23e-04	-2.65e-04	5.24e-05
21	47	0.03	0.03	-0.24	-2.06e-04	3.11e-04	-5.39e-05
21	48	0.04	8.67e-03	-0.27	6.20e-04	3.92e-04	-1.06e-05
21	49	-0.04	-8.33e-03	-0.27	-1.06e-03	-3.42e-04	1.14e-05
21	50	-0.03	-0.03	-0.30	-2.37e-04	-2.60e-04	5.47e-05
21	51	0.03	0.03	-0.24	-1.93e-04	3.24e-04	-5.09e-05
21	52	0.04	8.21e-03	-0.27	6.61e-04	3.95e-04	-1.23e-05
21	53	-0.04	-7.87e-03	-0.27	-1.10e-03	-3.45e-04	1.31e-05
21	54	-0.03	-0.03	-0.30	-2.49e-04	-2.73e-04	5.18e-05
21	55	0.03	0.03	-0.24	-1.79e-04	3.19e-04	-5.33e-05
21	56	0.04	8.88e-03	-0.27	6.47e-04	4.01e-04	-9.95e-06
21	57	-0.04	-8.54e-03	-0.27	-1.09e-03	-3.50e-04	1.08e-05
21	58	-0.03	-0.03	-0.30	-2.63e-04	-2.68e-04	5.41e-05
21	59	-6.99e-03	0.04	-0.21	-1.52e-03	3.58e-06	-7.38e-05
21	60	0.03	-0.03	-0.32	1.33e-03	2.43e-04	5.51e-05
21	61	-0.03	0.03	-0.22	-1.77e-03	-1.92e-04	-5.42e-05
21	62	7.05e-03	-0.04	-0.33	1.07e-03	4.72e-05	7.47e-05
21	63	-7.18e-03	0.04	-0.21	-1.51e-03	5.99e-06	-7.36e-05
21	64	0.03	-0.03	-0.32	1.34e-03	2.45e-04	5.52e-05
21	65	-0.03	0.03	-0.22	-1.78e-03	-1.95e-04	-5.44e-05
21	66	7.24e-03	-0.04	-0.33	1.07e-03	4.48e-05	7.45e-05
21	67	-7.74e-03	0.04	-0.21	-1.47e-03	-1.34e-05	-8.16e-05
21	68	0.03	-0.03	-0.32	1.28e-03	2.60e-04	6.28e-05
21	69	-0.03	0.03	-0.22	-1.73e-03	-2.09e-04	-6.20e-05
21	70	7.80e-03	-0.04	-0.33	1.03e-03	6.41e-05	8.24e-05
21	71	-7.93e-03	0.04	-0.21	-1.46e-03	-1.09e-05	-8.14e-05
21	72	0.03	-0.03	-0.32	1.29e-03	2.62e-04	6.30e-05
21	73	-0.03	0.03	-0.22	-1.73e-03	-2.11e-04	-6.22e-05
21	74	7.99e-03	-0.04	-0.33	1.02e-03	6.17e-05	8.22e-05

21	75	0.02	0.03	-0.24	-2.20e-04	2.65e-04	-4.26e-05
21	76	0.03	6.67e-03	-0.27	4.86e-04	3.25e-04	-1.06e-05
21	77	-0.03	-6.34e-03	-0.27	-9.29e-04	-2.74e-04	1.15e-05
21	78	-0.02	-0.03	-0.30	-2.23e-04	-2.15e-04	4.34e-05
21	79	0.02	0.02	-0.24	-2.08e-04	2.61e-04	-4.45e-05
21	80	0.03	7.22e-03	-0.27	4.74e-04	3.29e-04	-8.71e-06
21	81	-0.03	-6.88e-03	-0.27	-9.17e-04	-2.78e-04	9.55e-06
21	82	-0.02	-0.02	-0.30	-2.34e-04	-2.10e-04	4.54e-05
21	83	0.02	0.03	-0.24	-1.98e-04	2.72e-04	-4.21e-05
21	84	0.03	6.84e-03	-0.27	5.08e-04	3.31e-04	-1.01e-05
21	85	-0.03	-6.50e-03	-0.27	-9.50e-04	-2.81e-04	1.09e-05
21	86	-0.02	-0.03	-0.30	-2.45e-04	-2.21e-04	4.29e-05
21	87	0.02	0.03	-0.24	-1.87e-04	2.68e-04	-4.40e-05
21	88	0.03	7.39e-03	-0.27	4.96e-04	3.36e-04	-8.17e-06
21	89	-0.03	-7.05e-03	-0.27	-9.39e-04	-2.85e-04	9.01e-06
21	90	-0.02	-0.02	-0.30	-2.56e-04	-2.17e-04	4.48e-05
21	91	-5.77e-03	0.04	-0.22	-1.29e-03	7.37e-06	-6.10e-05
21	92	0.02	-0.03	-0.31	1.06e-03	2.05e-04	4.56e-05
21	93	-0.02	0.03	-0.23	-1.50e-03	-1.54e-04	-4.47e-05
21	94	5.83e-03	-0.04	-0.32	8.49e-04	4.34e-05	6.18e-05
21	95	-5.93e-03	0.04	-0.22	-1.29e-03	9.36e-06	-6.08e-05
21	96	0.02	-0.03	-0.31	1.07e-03	2.07e-04	4.57e-05
21	97	-0.02	0.03	-0.23	-1.51e-03	-1.56e-04	-4.49e-05
21	98	5.99e-03	-0.04	-0.32	8.42e-04	4.14e-05	6.16e-05
21	99	-6.39e-03	0.03	-0.22	-1.25e-03	-6.63e-06	-6.74e-05
21	100	0.02	-0.02	-0.31	1.02e-03	2.19e-04	5.20e-05
21	101	-0.02	0.02	-0.23	-1.47e-03	-1.68e-04	-5.11e-05
21	102	6.45e-03	-0.03	-0.32	8.10e-04	5.74e-05	6.82e-05
21	103	-6.54e-03	0.03	-0.22	-1.25e-03	-4.63e-06	-6.72e-05
21	104	0.02	-0.02	-0.31	1.03e-03	2.21e-04	5.22e-05
21	105	-0.02	0.02	-0.23	-1.47e-03	-1.70e-04	-5.13e-05
21	106	6.60e-03	-0.03	-0.32	8.04e-04	5.54e-05	6.80e-05
22	1	-0.01	0.02	-0.27	-8.43e-05	-6.37e-05	-6.29e-05
22	2	-0.07	0.05	-0.43	-3.42e-04	-4.52e-04	-1.21e-04
22	3	-9.21e-03	0.01	-0.21	-6.00e-05	-4.17e-05	-4.73e-05
22	4	-0.07	0.05	-0.37	-3.18e-04	-4.30e-04	-1.05e-04
22	5	-9.84e-03	0.01	-0.21	-6.28e-05	-4.59e-05	-4.79e-05
22	6	-0.05	0.04	-0.32	-2.34e-04	-3.05e-04	-8.66e-05
22	7	-9.84e-03	0.01	-0.21	-6.28e-05	-4.59e-05	-4.79e-05
22	8	-0.04	0.03	-0.28	-1.83e-04	-2.27e-04	-7.50e-05
22	9	-9.84e-03	0.01	-0.21	-6.28e-05	-4.59e-05	-4.79e-05
22	10	-0.03	0.03	-0.27	-1.66e-04	-2.01e-04	-7.11e-05
22	11	0.10	-0.02	-0.23	-1.06e-04	3.20e-04	-1.08e-03
22	12	0.22	-0.40	-0.27	1.11e-03	5.37e-04	9.13e-05
22	13	-0.29	0.45	-0.27	-1.44e-03	-9.39e-04	-2.34e-04
22	14	-0.16	0.07	-0.32	-2.25e-04	-7.23e-04	9.41e-04
22	15	0.10	-0.03	-0.23	-8.18e-05	3.30e-04	-1.10e-03
22	16	0.22	-0.39	-0.27	1.08e-03	5.27e-04	1.11e-04
22	17	-0.29	0.44	-0.27	-1.41e-03	-9.30e-04	-2.53e-04
22	18	-0.17	0.08	-0.31	-2.50e-04	-7.32e-04	9.60e-04
22	19	0.10	-0.03	-0.23	-6.98e-05	3.38e-04	-1.07e-03
22	20	0.23	-0.41	-0.27	1.14e-03	5.55e-04	1.03e-04
22	21	-0.29	0.46	-0.27	-1.48e-03	-9.57e-04	-2.45e-04
22	22	-0.17	0.08	-0.32	-2.62e-04	-7.41e-04	9.29e-04
22	23	0.10	-0.04	-0.23	-4.54e-05	3.48e-04	-1.09e-03
22	24	0.22	-0.40	-0.27	1.12e-03	5.45e-04	1.22e-04
22	25	-0.29	0.45	-0.27	-1.45e-03	-9.48e-04	-2.65e-04
22	26	-0.17	0.09	-0.32	-2.86e-04	-7.50e-04	9.49e-04
22	27	-0.19	0.59	-0.19	-1.99e-03	-3.73e-04	-2.16e-03
22	28	0.24	-0.68	-0.34	2.06e-03	3.49e-04	1.76e-03
22	29	-0.30	0.73	-0.21	-2.39e-03	-7.51e-04	-1.90e-03
22	30	0.12	-0.54	-0.35	1.66e-03	-2.91e-05	2.01e-03
22	31	-0.19	0.58	-0.19	-1.98e-03	-3.68e-04	-2.15e-03
22	32	0.24	-0.68	-0.34	2.07e-03	3.54e-04	1.76e-03
22	33	-0.31	0.73	-0.21	-2.40e-03	-7.56e-04	-1.90e-03
22	34	0.12	-0.53	-0.35	1.65e-03	-3.45e-05	2.01e-03
22	35	-0.18	0.56	-0.20	-1.91e-03	-3.41e-04	-2.22e-03
22	36	0.23	-0.65	-0.33	1.98e-03	3.17e-04	1.82e-03
22	37	-0.29	0.70	-0.21	-2.31e-03	-7.19e-04	-1.97e-03
22	38	0.11	-0.50	-0.35	1.58e-03	-6.11e-05	2.08e-03
22	39	-0.18	0.55	-0.20	-1.90e-03	-3.36e-04	-2.22e-03
22	40	0.23	-0.65	-0.33	1.99e-03	3.22e-04	1.83e-03

22	41	-0.30	0.70	-0.21	-2.32e-03	-7.24e-04	-1.97e-03
22	42	0.11	-0.50	-0.35	1.56e-03	-6.65e-05	2.08e-03
22	43	0.07	-0.01	-0.24	-1.19e-04	2.13e-04	-8.72e-04
22	44	0.17	-0.31	-0.27	8.43e-04	3.83e-04	5.84e-05
22	45	-0.24	0.36	-0.27	-1.17e-03	-7.86e-04	-2.01e-04
22	46	-0.14	0.06	-0.31	-2.13e-04	-6.15e-04	7.30e-04
22	47	0.07	-0.02	-0.24	-9.94e-05	2.20e-04	-8.88e-04
22	48	0.17	-0.30	-0.27	8.24e-04	3.76e-04	7.41e-05
22	49	-0.23	0.36	-0.27	-1.16e-03	-7.78e-04	-2.16e-04
22	50	-0.14	0.07	-0.31	-2.32e-04	-6.22e-04	7.45e-04
22	51	0.07	-0.02	-0.24	-8.98e-05	2.27e-04	-8.63e-04
22	52	0.17	-0.32	-0.27	8.72e-04	3.98e-04	6.77e-05
22	53	-0.24	0.37	-0.27	-1.20e-03	-8.00e-04	-2.10e-04
22	54	-0.14	0.07	-0.31	-2.42e-04	-6.29e-04	7.20e-04
22	55	0.07	-0.03	-0.24	-7.05e-05	2.35e-04	-8.78e-04
22	56	0.17	-0.31	-0.27	8.53e-04	3.90e-04	8.34e-05
22	57	-0.24	0.36	-0.27	-1.18e-03	-7.92e-04	-2.26e-04
22	58	-0.14	0.08	-0.31	-2.61e-04	-6.37e-04	7.36e-04
22	59	-0.16	0.47	-0.21	-1.61e-03	-3.36e-04	-1.72e-03
22	60	0.18	-0.53	-0.32	1.60e-03	2.33e-04	1.38e-03
22	61	-0.25	0.58	-0.22	-1.93e-03	-6.35e-04	-1.52e-03
22	62	0.09	-0.42	-0.33	1.28e-03	-6.63e-05	1.58e-03
22	63	-0.16	0.47	-0.21	-1.60e-03	-3.32e-04	-1.72e-03
22	64	0.18	-0.53	-0.32	1.60e-03	2.37e-04	1.38e-03
22	65	-0.25	0.59	-0.22	-1.94e-03	-6.40e-04	-1.52e-03
22	66	0.09	-0.42	-0.33	1.27e-03	-7.06e-05	1.58e-03
22	67	-0.15	0.45	-0.21	-1.55e-03	-3.11e-04	-1.77e-03
22	68	0.17	-0.51	-0.32	1.53e-03	2.08e-04	1.43e-03
22	69	-0.24	0.56	-0.22	-1.86e-03	-6.10e-04	-1.57e-03
22	70	0.08	-0.39	-0.33	1.21e-03	-9.16e-05	1.63e-03
22	71	-0.15	0.44	-0.21	-1.54e-03	-3.06e-04	-1.77e-03
22	72	0.17	-0.51	-0.32	1.54e-03	2.12e-04	1.43e-03
22	73	-0.24	0.56	-0.22	-1.87e-03	-6.14e-04	-1.58e-03
22	74	0.08	-0.39	-0.33	1.21e-03	-9.59e-05	1.63e-03
22	75	0.05	-4.31e-03	-0.24	-1.27e-04	1.41e-04	-7.33e-04
22	76	0.13	-0.25	-0.27	6.68e-04	2.82e-04	3.57e-05
22	77	-0.20	0.30	-0.27	-1.00e-03	-6.84e-04	-1.78e-04
22	78	-0.12	0.06	-0.30	-2.05e-04	-5.43e-04	5.91e-04
22	79	0.05	-0.01	-0.24	-1.11e-04	1.47e-04	-7.46e-04
22	80	0.13	-0.25	-0.27	6.52e-04	2.76e-04	4.87e-05
22	81	-0.20	0.30	-0.27	-9.84e-04	-6.78e-04	-1.91e-04
22	82	-0.12	0.06	-0.30	-2.21e-04	-5.49e-04	6.04e-04
22	83	0.05	-0.01	-0.24	-1.03e-04	1.53e-04	-7.26e-04
22	84	0.14	-0.26	-0.27	6.92e-04	2.94e-04	4.34e-05
22	85	-0.20	0.31	-0.27	-1.02e-03	-6.96e-04	-1.86e-04
22	86	-0.12	0.06	-0.30	-2.29e-04	-5.55e-04	5.83e-04
22	87	0.06	-0.02	-0.24	-8.70e-05	1.59e-04	-7.39e-04
22	88	0.14	-0.25	-0.27	6.76e-04	2.87e-04	5.64e-05
22	89	-0.20	0.31	-0.27	-1.01e-03	-6.90e-04	-1.99e-04
22	90	-0.12	0.07	-0.30	-2.45e-04	-5.61e-04	5.96e-04
22	91	-0.14	0.39	-0.22	-1.36e-03	-3.13e-04	-1.44e-03
22	92	0.14	-0.43	-0.31	1.29e-03	1.58e-04	1.13e-03
22	93	-0.21	0.49	-0.23	-1.62e-03	-5.60e-04	-1.27e-03
22	94	0.07	-0.34	-0.32	1.03e-03	-8.96e-05	1.29e-03
22	95	-0.13	0.39	-0.22	-1.35e-03	-3.09e-04	-1.43e-03
22	96	0.14	-0.44	-0.31	1.30e-03	1.61e-04	1.13e-03
22	97	-0.21	0.49	-0.23	-1.63e-03	-5.64e-04	-1.27e-03
22	98	0.07	-0.34	-0.32	1.02e-03	-9.31e-05	1.29e-03
22	99	-0.13	0.37	-0.22	-1.31e-03	-2.92e-04	-1.48e-03
22	100	0.14	-0.41	-0.31	1.24e-03	1.37e-04	1.17e-03
22	101	-0.20	0.47	-0.23	-1.57e-03	-5.39e-04	-1.31e-03
22	102	0.06	-0.32	-0.32	9.75e-04	-1.11e-04	1.34e-03
22	103	-0.13	0.37	-0.22	-1.30e-03	-2.88e-04	-1.48e-03
22	104	0.14	-0.42	-0.31	1.24e-03	1.40e-04	1.17e-03
22	105	-0.21	0.47	-0.23	-1.58e-03	-5.43e-04	-1.31e-03
22	106	0.06	-0.32	-0.32	9.68e-04	-1.14e-04	1.33e-03
23	1	-6.95e-05	4.75e-04	-0.28	-1.02e-04	2.32e-05	0.0
23	2	3.65e-05	-2.60e-05	-0.48	-4.72e-04	4.37e-05	1.77e-06
23	3	-5.55e-05	3.75e-04	-0.21	-7.12e-05	1.75e-05	0.0
23	4	5.06e-05	-1.26e-04	-0.41	-4.41e-04	3.79e-05	1.88e-06
23	5	-5.43e-05	3.69e-04	-0.21	-7.51e-05	1.77e-05	0.0
23	6	1.64e-05	3.55e-05	-0.34	-3.22e-04	3.13e-05	1.09e-06

23	7	-5.43e-05	3.69e-04	-0.21	-7.51e-05	1.77e-05	0.0
23	8	-4.85e-06	1.36e-04	-0.31	-2.48e-04	2.72e-05	0.0
23	9	-5.43e-05	3.69e-04	-0.21	-7.51e-05	1.77e-05	0.0
23	10	-1.19e-05	1.69e-04	-0.29	-2.23e-04	2.59e-05	0.0
23	11	0.04	0.04	-0.28	-2.21e-04	3.98e-04	-6.56e-05
23	12	0.05	0.01	-0.21	8.58e-04	4.90e-04	-1.65e-05
23	13	-0.05	-9.82e-03	-0.37	-1.30e-03	-4.38e-04	1.73e-05
23	14	-0.04	-0.04	-0.30	-2.26e-04	-3.46e-04	6.65e-05
23	15	0.04	0.04	-0.28	-2.03e-04	3.91e-04	-6.85e-05
23	16	0.05	0.01	-0.21	8.41e-04	4.97e-04	-1.36e-05
23	17	-0.05	-0.01	-0.37	-1.29e-03	-4.45e-04	1.44e-05
23	18	-0.04	-0.04	-0.31	-2.44e-04	-3.39e-04	6.94e-05
23	19	0.04	0.04	-0.28	-1.87e-04	4.09e-04	-6.49e-05
23	20	0.05	0.01	-0.21	8.92e-04	5.00e-04	-1.57e-05
23	21	-0.05	-0.01	-0.38	-1.34e-03	-4.49e-04	1.65e-05
23	22	-0.04	-0.04	-0.31	-2.60e-04	-3.57e-04	6.57e-05
23	23	0.04	0.04	-0.28	-1.69e-04	4.01e-04	-6.77e-05
23	24	0.05	0.01	-0.21	8.74e-04	5.08e-04	-1.28e-05
23	25	-0.05	-0.01	-0.37	-1.32e-03	-4.56e-04	1.36e-05
23	26	-0.04	-0.04	-0.31	-2.77e-04	-3.49e-04	6.86e-05
23	27	-3.70e-03	0.06	-0.39	-1.86e-03	-1.79e-06	-9.40e-05
23	28	0.03	-0.04	-0.16	1.74e-03	3.04e-04	7.00e-05
23	29	-0.03	0.04	-0.42	-2.18e-03	-2.53e-04	-6.91e-05
23	30	3.67e-03	-0.06	-0.19	1.41e-03	5.35e-05	9.49e-05
23	31	-3.77e-03	0.06	-0.39	-1.85e-03	1.37e-06	-9.38e-05
23	32	0.03	-0.04	-0.16	1.75e-03	3.08e-04	7.02e-05
23	33	-0.03	0.04	-0.42	-2.19e-03	-2.56e-04	-6.94e-05
23	34	3.75e-03	-0.06	-0.19	1.40e-03	5.04e-05	9.46e-05
23	35	-4.76e-03	0.05	-0.39	-1.80e-03	-2.63e-05	-1.04e-04
23	36	0.03	-0.04	-0.17	1.68e-03	3.29e-04	7.96e-05
23	37	-0.03	0.04	-0.42	-2.13e-03	-2.77e-04	-7.88e-05
23	38	4.73e-03	-0.05	-0.20	1.35e-03	7.80e-05	1.04e-04
23	39	-4.83e-03	0.05	-0.39	-1.79e-03	-2.31e-05	-1.03e-04
23	40	0.03	-0.04	-0.17	1.69e-03	3.32e-04	7.98e-05
23	41	-0.03	0.04	-0.42	-2.14e-03	-2.80e-04	-7.90e-05
23	42	4.81e-03	-0.05	-0.20	1.34e-03	7.49e-05	1.04e-04
23	43	0.03	0.03	-0.28	-2.21e-04	3.20e-04	-5.16e-05
23	44	0.04	8.01e-03	-0.23	6.34e-04	3.93e-04	-1.30e-05
23	45	-0.04	-7.67e-03	-0.36	-1.08e-03	-3.41e-04	1.38e-05
23	46	-0.03	-0.03	-0.30	-2.25e-04	-2.69e-04	5.25e-05
23	47	0.03	0.03	-0.28	-2.07e-04	3.15e-04	-5.40e-05
23	48	0.04	8.67e-03	-0.23	6.20e-04	3.99e-04	-1.06e-05
23	49	-0.04	-8.33e-03	-0.36	-1.07e-03	-3.47e-04	1.15e-05
23	50	-0.03	-0.03	-0.30	-2.39e-04	-2.63e-04	5.48e-05
23	51	0.03	0.03	-0.28	-1.95e-04	3.29e-04	-5.10e-05
23	52	0.04	8.21e-03	-0.23	6.61e-04	4.01e-04	-1.23e-05
23	53	-0.04	-7.87e-03	-0.36	-1.11e-03	-3.49e-04	1.32e-05
23	54	-0.03	-0.03	-0.30	-2.52e-04	-2.77e-04	5.19e-05
23	55	0.03	0.03	-0.28	-1.80e-04	3.23e-04	-5.33e-05
23	56	0.04	8.88e-03	-0.23	6.47e-04	4.07e-04	-1.00e-05
23	57	-0.04	-8.54e-03	-0.36	-1.09e-03	-3.55e-04	1.09e-05
23	58	-0.03	-0.03	-0.30	-2.66e-04	-2.71e-04	5.42e-05
23	59	-2.90e-03	0.04	-0.37	-1.52e-03	4.13e-06	-7.39e-05
23	60	0.02	-0.03	-0.19	1.33e-03	2.46e-04	5.51e-05
23	61	-0.02	0.03	-0.39	-1.78e-03	-1.94e-04	-5.42e-05
23	62	2.87e-03	-0.04	-0.21	1.07e-03	4.76e-05	7.47e-05
23	63	-2.97e-03	0.04	-0.37	-1.51e-03	6.60e-06	-7.37e-05
23	64	0.02	-0.03	-0.19	1.34e-03	2.49e-04	5.53e-05
23	65	-0.02	0.03	-0.39	-1.79e-03	-1.97e-04	-5.44e-05
23	66	2.95e-03	-0.04	-0.21	1.07e-03	4.52e-05	7.45e-05
23	67	-3.74e-03	0.04	-0.37	-1.47e-03	-1.53e-05	-8.16e-05
23	68	0.02	-0.03	-0.19	1.28e-03	2.65e-04	6.28e-05
23	69	-0.02	0.03	-0.39	-1.73e-03	-2.14e-04	-6.20e-05
23	70	3.71e-03	-0.04	-0.22	1.03e-03	6.70e-05	8.25e-05
23	71	-3.81e-03	0.04	-0.37	-1.46e-03	-1.28e-05	-8.14e-05
23	72	0.02	-0.03	-0.19	1.29e-03	2.68e-04	6.30e-05
23	73	-0.02	0.03	-0.39	-1.74e-03	-2.16e-04	-6.22e-05
23	74	3.79e-03	-0.04	-0.22	1.02e-03	6.46e-05	8.23e-05
23	75	0.02	0.03	-0.28	-2.21e-04	2.69e-04	-4.27e-05
23	76	0.03	6.67e-03	-0.24	4.85e-04	3.29e-04	-1.07e-05
23	77	-0.03	-6.34e-03	-0.35	-9.32e-04	-2.78e-04	1.15e-05
23	78	-0.02	-0.03	-0.30	-2.25e-04	-2.18e-04	4.35e-05

23	79	0.02	0.02	-0.28	-2.10e-04	2.65e-04	-4.46e-05
23	80	0.03	7.22e-03	-0.24	4.74e-04	3.34e-04	-8.74e-06
23	81	-0.03	-6.88e-03	-0.34	-9.20e-04	-2.82e-04	9.60e-06
23	82	-0.02	-0.02	-0.30	-2.37e-04	-2.13e-04	4.54e-05
23	83	0.02	0.03	-0.28	-2.00e-04	2.76e-04	-4.21e-05
23	84	0.03	6.84e-03	-0.24	5.07e-04	3.36e-04	-1.01e-05
23	85	-0.03	-6.50e-03	-0.35	-9.54e-04	-2.84e-04	1.10e-05
23	86	-0.02	-0.03	-0.30	-2.47e-04	-2.24e-04	4.30e-05
23	87	0.02	0.03	-0.28	-1.88e-04	2.71e-04	-4.40e-05
23	88	0.03	7.39e-03	-0.24	4.96e-04	3.41e-04	-8.21e-06
23	89	-0.03	-7.05e-03	-0.35	-9.42e-04	-2.89e-04	9.07e-06
23	90	-0.02	-0.02	-0.30	-2.59e-04	-2.20e-04	4.49e-05
23	91	-2.40e-03	0.04	-0.36	-1.29e-03	7.91e-06	-6.10e-05
23	92	0.02	-0.03	-0.21	1.06e-03	2.08e-04	4.56e-05
23	93	-0.02	0.03	-0.38	-1.51e-03	-1.56e-04	-4.48e-05
23	94	2.37e-03	-0.04	-0.23	8.48e-04	4.38e-05	6.19e-05
23	95	-2.46e-03	0.04	-0.36	-1.29e-03	9.95e-06	-6.08e-05
23	96	0.02	-0.03	-0.21	1.07e-03	2.10e-04	4.58e-05
23	97	-0.02	0.03	-0.38	-1.51e-03	-1.58e-04	-4.49e-05
23	98	2.44e-03	-0.04	-0.23	8.42e-04	4.18e-05	6.17e-05
23	99	-3.09e-03	0.03	-0.36	-1.26e-03	-8.13e-06	-6.74e-05
23	100	0.02	-0.02	-0.21	1.02e-03	2.24e-04	5.20e-05
23	101	-0.02	0.02	-0.37	-1.47e-03	-1.72e-04	-5.12e-05
23	102	3.07e-03	-0.03	-0.23	8.09e-04	5.99e-05	6.83e-05
23	103	-3.15e-03	0.03	-0.36	-1.25e-03	-6.10e-06	-6.73e-05
23	104	0.02	-0.02	-0.21	1.03e-03	2.26e-04	5.22e-05
23	105	-0.02	0.02	-0.37	-1.48e-03	-1.74e-04	-5.13e-05
23	106	3.13e-03	-0.03	-0.23	8.03e-04	5.79e-05	6.81e-05
24	1	-7.01e-03	0.02	-0.28	-7.84e-05	-1.03e-04	-6.21e-05
24	2	-0.06	0.05	-0.48	-3.35e-04	-5.65e-04	-1.18e-04
24	3	-4.39e-03	0.01	-0.21	-5.54e-05	-7.08e-05	-4.67e-05
24	4	-0.06	0.05	-0.41	-3.12e-04	-5.33e-04	-1.02e-04
24	5	-4.95e-03	0.01	-0.21	-5.82e-05	-7.57e-05	-4.73e-05
24	6	-0.04	0.04	-0.35	-2.30e-04	-3.84e-04	-8.43e-05
24	7	-4.95e-03	0.01	-0.21	-5.82e-05	-7.57e-05	-4.73e-05
24	8	-0.03	0.03	-0.31	-1.78e-04	-2.91e-04	-7.32e-05
24	9	-4.95e-03	0.01	-0.21	-5.82e-05	-7.57e-05	-4.73e-05
24	10	-0.03	0.03	-0.29	-1.61e-04	-2.60e-04	-6.95e-05
24	11	0.18	-0.02	-0.28	-1.02e-04	-2.77e-04	-1.08e-03
24	12	0.23	-0.40	-0.21	1.11e-03	2.49e-04	9.68e-05
24	13	-0.28	0.45	-0.37	-1.43e-03	-7.70e-04	-2.36e-04
24	14	-0.23	0.07	-0.31	-2.20e-04	-2.44e-04	9.40e-04
24	15	0.18	-0.03	-0.28	-7.74e-05	-2.72e-04	-1.10e-03
24	16	0.24	-0.39	-0.21	1.09e-03	2.44e-04	1.16e-04
24	17	-0.29	0.44	-0.37	-1.41e-03	-7.65e-04	-2.55e-04
24	18	-0.23	0.08	-0.31	-2.45e-04	-2.49e-04	9.60e-04
24	19	0.19	-0.03	-0.28	-6.54e-05	-2.64e-04	-1.07e-03
24	20	0.24	-0.41	-0.21	1.15e-03	2.61e-04	1.09e-04
24	21	-0.29	0.46	-0.38	-1.47e-03	-7.82e-04	-2.48e-04
24	22	-0.24	0.08	-0.31	-2.57e-04	-2.57e-04	9.29e-04
24	23	0.18	-0.04	-0.28	-4.10e-05	-2.59e-04	-1.09e-03
24	24	0.24	-0.40	-0.21	1.12e-03	2.56e-04	1.28e-04
24	25	-0.29	0.45	-0.38	-1.45e-03	-7.77e-04	-2.67e-04
24	26	-0.24	0.09	-0.31	-2.81e-04	-2.62e-04	9.48e-04
24	27	-0.04	0.59	-0.39	-1.98e-03	-1.06e-03	-2.16e-03
24	28	0.13	-0.68	-0.17	2.06e-03	6.89e-04	1.76e-03
24	29	-0.18	0.73	-0.42	-2.38e-03	-1.21e-03	-1.90e-03
24	30	-0.01	-0.54	-0.19	1.66e-03	5.41e-04	2.02e-03
24	31	-0.04	0.58	-0.39	-1.97e-03	-1.06e-03	-2.15e-03
24	32	0.13	-0.68	-0.17	2.07e-03	6.92e-04	1.77e-03
24	33	-0.18	0.73	-0.42	-2.39e-03	-1.21e-03	-1.91e-03
24	34	-0.01	-0.53	-0.19	1.65e-03	5.37e-04	2.01e-03
24	35	-0.05	0.56	-0.39	-1.90e-03	-1.05e-03	-2.22e-03
24	36	0.14	-0.65	-0.17	1.98e-03	6.73e-04	1.83e-03
24	37	-0.19	0.70	-0.42	-2.30e-03	-1.19e-03	-1.97e-03
24	38	3.27e-04	-0.50	-0.20	1.58e-03	5.25e-04	2.08e-03
24	39	-0.05	0.55	-0.39	-1.89e-03	-1.04e-03	-2.22e-03
24	40	0.14	-0.65	-0.17	1.99e-03	6.77e-04	1.83e-03
24	41	-0.19	0.70	-0.42	-2.31e-03	-1.20e-03	-1.97e-03
24	42	-1.11e-03	-0.50	-0.20	1.57e-03	5.21e-04	2.08e-03
24	43	0.14	-0.01	-0.28	-1.14e-04	-2.73e-04	-8.69e-04
24	44	0.18	-0.31	-0.23	8.48e-04	1.43e-04	6.31e-05

24	45	-0.23	0.36	-0.36	-1.17e-03	-6.64e-04	-2.02e-04
24	46	-0.19	0.06	-0.30	-2.08e-04	-2.47e-04	7.30e-04
24	47	0.14	-0.02	-0.28	-9.49e-05	-2.70e-04	-8.84e-04
24	48	0.18	-0.30	-0.23	8.28e-04	1.39e-04	7.85e-05
24	49	-0.23	0.36	-0.36	-1.15e-03	-6.60e-04	-2.18e-04
24	50	-0.19	0.07	-0.30	-2.27e-04	-2.51e-04	7.45e-04
24	51	0.14	-0.02	-0.28	-8.54e-05	-2.64e-04	-8.59e-04
24	52	0.18	-0.32	-0.23	8.77e-04	1.52e-04	7.28e-05
24	53	-0.23	0.37	-0.36	-1.20e-03	-6.73e-04	-2.12e-04
24	54	-0.19	0.07	-0.31	-2.37e-04	-2.57e-04	7.20e-04
24	55	0.14	-0.03	-0.28	-6.60e-05	-2.60e-04	-8.75e-04
24	56	0.18	-0.31	-0.23	8.57e-04	1.49e-04	8.82e-05
24	57	-0.24	0.36	-0.36	-1.18e-03	-6.70e-04	-2.27e-04
24	58	-0.19	0.08	-0.31	-2.56e-04	-2.61e-04	7.36e-04
24	59	-0.04	0.47	-0.37	-1.61e-03	-8.96e-04	-1.72e-03
24	60	0.10	-0.53	-0.19	1.60e-03	4.92e-04	1.38e-03
24	61	-0.15	0.58	-0.40	-1.92e-03	-1.01e-03	-1.52e-03
24	62	-0.02	-0.42	-0.21	1.28e-03	3.75e-04	1.58e-03
24	63	-0.04	0.47	-0.37	-1.60e-03	-8.93e-04	-1.72e-03
24	64	0.10	-0.53	-0.19	1.61e-03	4.95e-04	1.39e-03
24	65	-0.15	0.59	-0.40	-1.93e-03	-1.02e-03	-1.53e-03
24	66	-0.02	-0.42	-0.22	1.28e-03	3.72e-04	1.58e-03
24	67	-0.05	0.45	-0.37	-1.54e-03	-8.83e-04	-1.77e-03
24	68	0.11	-0.51	-0.20	1.54e-03	4.79e-04	1.44e-03
24	69	-0.16	0.56	-0.39	-1.86e-03	-1.00e-03	-1.57e-03
24	70	-5.24e-03	-0.39	-0.22	1.22e-03	3.62e-04	1.64e-03
24	71	-0.05	0.44	-0.37	-1.53e-03	-8.80e-04	-1.77e-03
24	72	0.11	-0.51	-0.19	1.54e-03	4.82e-04	1.44e-03
24	73	-0.16	0.56	-0.39	-1.87e-03	-1.00e-03	-1.58e-03
24	74	-6.34e-03	-0.39	-0.22	1.21e-03	3.59e-04	1.63e-03
24	75	0.11	-4.26e-03	-0.29	-1.22e-04	-2.71e-04	-7.30e-04
24	76	0.14	-0.25	-0.24	6.73e-04	7.28e-05	3.99e-05
24	77	-0.20	0.30	-0.35	-9.95e-04	-5.94e-04	-1.79e-04
24	78	-0.16	0.06	-0.30	-2.00e-04	-2.50e-04	5.91e-04
24	79	0.11	-0.01	-0.29	-1.06e-04	-2.68e-04	-7.43e-04
24	80	0.15	-0.25	-0.24	6.57e-04	6.97e-05	5.26e-05
24	81	-0.20	0.30	-0.35	-9.79e-04	-5.91e-04	-1.92e-04
24	82	-0.16	0.06	-0.30	-2.16e-04	-2.53e-04	6.04e-04
24	83	0.11	-0.01	-0.28	-9.85e-05	-2.63e-04	-7.22e-04
24	84	0.15	-0.26	-0.24	6.96e-04	8.08e-05	4.79e-05
24	85	-0.20	0.31	-0.35	-1.02e-03	-6.02e-04	-1.87e-04
24	86	-0.17	0.06	-0.30	-2.24e-04	-2.58e-04	5.83e-04
24	87	0.11	-0.02	-0.28	-8.25e-05	-2.60e-04	-7.35e-04
24	88	0.15	-0.25	-0.24	6.80e-04	7.78e-05	6.06e-05
24	89	-0.20	0.31	-0.35	-1.00e-03	-5.99e-04	-2.00e-04
24	90	-0.16	0.07	-0.30	-2.39e-04	-2.61e-04	5.96e-04
24	91	-0.04	0.39	-0.36	-1.35e-03	-7.85e-04	-1.44e-03
24	92	0.07	-0.43	-0.21	1.29e-03	3.61e-04	1.13e-03
24	93	-0.13	0.49	-0.38	-1.62e-03	-8.82e-04	-1.27e-03
24	94	-0.02	-0.34	-0.23	1.03e-03	2.64e-04	1.30e-03
24	95	-0.03	0.39	-0.36	-1.35e-03	-7.83e-04	-1.43e-03
24	96	0.08	-0.44	-0.21	1.30e-03	3.64e-04	1.13e-03
24	97	-0.13	0.49	-0.38	-1.62e-03	-8.84e-04	-1.27e-03
24	98	-0.02	-0.34	-0.23	1.03e-03	2.62e-04	1.29e-03
24	99	-0.04	0.37	-0.36	-1.30e-03	-7.75e-04	-1.48e-03
24	100	0.08	-0.41	-0.21	1.24e-03	3.51e-04	1.17e-03
24	101	-0.14	0.47	-0.38	-1.56e-03	-8.72e-04	-1.31e-03
24	102	-8.90e-03	-0.32	-0.23	9.80e-04	2.54e-04	1.34e-03
24	103	-0.04	0.37	-0.36	-1.29e-03	-7.73e-04	-1.48e-03
24	104	0.08	-0.42	-0.21	1.25e-03	3.53e-04	1.18e-03
24	105	-0.14	0.47	-0.38	-1.57e-03	-8.74e-04	-1.32e-03
24	106	-9.80e-03	-0.32	-0.23	9.73e-04	2.52e-04	1.34e-03
25	1	-0.01	0.02	-0.27	-1.01e-04	-1.13e-04	-6.32e-05
25	2	-0.07	0.05	-0.45	-4.40e-04	-7.42e-04	-1.22e-04
25	3	-9.22e-03	0.01	-0.21	-7.09e-05	-7.47e-05	-4.75e-05
25	4	-0.07	0.05	-0.38	-4.11e-04	-7.04e-04	-1.06e-04
25	5	-9.85e-03	0.01	-0.21	-7.46e-05	-8.14e-05	-4.82e-05
25	6	-0.05	0.04	-0.32	-3.01e-04	-5.01e-04	-8.71e-05
25	7	-9.85e-03	0.01	-0.21	-7.46e-05	-8.14e-05	-4.82e-05
25	8	-0.04	0.03	-0.29	-2.33e-04	-3.75e-04	-7.54e-05
25	9	-9.85e-03	0.01	-0.21	-7.46e-05	-8.14e-05	-4.82e-05
25	10	-0.03	0.03	-0.28	-2.10e-04	-3.33e-04	-7.15e-05

25	11	0.09	-7.27e-04	-0.24	-2.95e-04	1.10e-04	-1.09e-03
25	12	0.22	-0.40	-0.28	9.08e-04	2.49e-04	8.94e-05
25	13	-0.29	0.46	-0.28	-1.33e-03	-9.15e-04	-2.33e-04
25	14	-0.16	0.06	-0.32	-1.26e-04	-7.76e-04	9.49e-04
25	15	0.10	-9.82e-03	-0.24	-2.77e-04	1.08e-04	-1.11e-03
25	16	0.22	-0.39	-0.28	8.90e-04	2.51e-04	1.10e-04
25	17	-0.29	0.45	-0.28	-1.31e-03	-9.17e-04	-2.53e-04
25	18	-0.16	0.06	-0.32	-1.43e-04	-7.74e-04	9.69e-04
25	19	0.10	-0.01	-0.24	-2.62e-04	1.19e-04	-1.08e-03
25	20	0.23	-0.41	-0.28	9.41e-04	2.58e-04	1.01e-04
25	21	-0.29	0.47	-0.28	-1.36e-03	-9.24e-04	-2.44e-04
25	22	-0.17	0.07	-0.32	-1.59e-04	-7.85e-04	9.37e-04
25	23	0.10	-0.02	-0.24	-2.44e-04	1.17e-04	-1.10e-03
25	24	0.22	-0.41	-0.28	9.24e-04	2.60e-04	1.21e-04
25	25	-0.29	0.46	-0.28	-1.34e-03	-9.26e-04	-2.64e-04
25	26	-0.17	0.07	-0.32	-1.77e-04	-7.84e-04	9.58e-04
25	27	-0.19	0.63	-0.20	-2.06e-03	-4.11e-04	-2.17e-03
25	28	0.24	-0.71	-0.34	1.95e-03	5.21e-05	1.77e-03
25	29	-0.30	0.77	-0.22	-2.37e-03	-7.18e-04	-1.91e-03
25	30	0.12	-0.58	-0.35	1.64e-03	-2.55e-04	2.03e-03
25	31	-0.19	0.63	-0.20	-2.05e-03	-4.08e-04	-2.17e-03
25	32	0.24	-0.72	-0.34	1.96e-03	5.49e-05	1.77e-03
25	33	-0.31	0.77	-0.22	-2.38e-03	-7.21e-04	-1.91e-03
25	34	0.12	-0.57	-0.35	1.63e-03	-2.58e-04	2.02e-03
25	35	-0.18	0.60	-0.20	-2.00e-03	-4.17e-04	-2.24e-03
25	36	0.23	-0.68	-0.34	1.89e-03	5.79e-05	1.84e-03
25	37	-0.30	0.74	-0.22	-2.31e-03	-7.24e-04	-1.98e-03
25	38	0.11	-0.55	-0.35	1.58e-03	-2.50e-04	2.09e-03
25	39	-0.18	0.60	-0.20	-1.99e-03	-4.14e-04	-2.23e-03
25	40	0.23	-0.69	-0.34	1.90e-03	6.07e-05	1.84e-03
25	41	-0.30	0.74	-0.22	-2.32e-03	-7.27e-04	-1.98e-03
25	42	0.11	-0.54	-0.35	1.57e-03	-2.52e-04	2.09e-03
25	43	0.07	5.34e-03	-0.25	-2.77e-04	1.86e-05	-8.79e-04
25	44	0.17	-0.31	-0.28	6.76e-04	1.27e-04	5.68e-05
25	45	-0.24	0.37	-0.28	-1.10e-03	-7.94e-04	-2.00e-04
25	46	-0.14	0.05	-0.31	-1.43e-04	-6.85e-04	7.36e-04
25	47	0.07	-1.87e-03	-0.25	-2.64e-04	1.71e-05	-8.95e-04
25	48	0.17	-0.31	-0.28	6.62e-04	1.29e-04	7.28e-05
25	49	-0.23	0.36	-0.28	-1.08e-03	-7.95e-04	-2.16e-04
25	50	-0.14	0.06	-0.31	-1.57e-04	-6.83e-04	7.52e-04
25	51	0.07	-2.62e-03	-0.25	-2.51e-04	2.59e-05	-8.70e-04
25	52	0.17	-0.32	-0.28	7.02e-04	1.34e-04	6.60e-05
25	53	-0.24	0.38	-0.28	-1.12e-03	-8.01e-04	-2.09e-04
25	54	-0.14	0.06	-0.31	-1.70e-04	-6.92e-04	7.27e-04
25	55	0.07	-9.83e-03	-0.25	-2.37e-04	2.44e-05	-8.86e-04
25	56	0.17	-0.32	-0.28	6.88e-04	1.36e-04	8.20e-05
25	57	-0.24	0.37	-0.28	-1.11e-03	-8.02e-04	-2.25e-04
25	58	-0.14	0.06	-0.31	-1.84e-04	-6.91e-04	7.43e-04
25	59	-0.16	0.51	-0.22	-1.68e-03	-3.92e-04	-1.73e-03
25	60	0.18	-0.56	-0.33	1.50e-03	-3.03e-05	1.39e-03
25	61	-0.25	0.61	-0.23	-1.92e-03	-6.36e-04	-1.53e-03
25	62	0.09	-0.45	-0.34	1.26e-03	-2.74e-04	1.59e-03
25	63	-0.16	0.50	-0.22	-1.67e-03	-3.90e-04	-1.73e-03
25	64	0.18	-0.56	-0.33	1.51e-03	-2.81e-05	1.39e-03
25	65	-0.25	0.62	-0.23	-1.93e-03	-6.38e-04	-1.53e-03
25	66	0.09	-0.45	-0.34	1.25e-03	-2.76e-04	1.59e-03
25	67	-0.15	0.48	-0.22	-1.63e-03	-3.97e-04	-1.79e-03
25	68	0.17	-0.54	-0.33	1.46e-03	-2.54e-05	1.44e-03
25	69	-0.24	0.59	-0.23	-1.88e-03	-6.41e-04	-1.58e-03
25	70	0.08	-0.43	-0.34	1.21e-03	-2.69e-04	1.64e-03
25	71	-0.15	0.48	-0.22	-1.62e-03	-3.95e-04	-1.78e-03
25	72	0.17	-0.54	-0.33	1.46e-03	-2.32e-05	1.44e-03
25	73	-0.24	0.59	-0.23	-1.88e-03	-6.43e-04	-1.59e-03
25	74	0.08	-0.42	-0.34	1.20e-03	-2.71e-04	1.64e-03
25	75	0.05	9.13e-03	-0.25	-2.66e-04	-4.25e-05	-7.39e-04
25	76	0.13	-0.26	-0.28	5.22e-04	4.73e-05	3.44e-05
25	77	-0.20	0.31	-0.28	-9.43e-04	-7.14e-04	-1.77e-04
25	78	-0.12	0.05	-0.30	-1.55e-04	-6.24e-04	5.96e-04
25	79	0.05	3.17e-03	-0.25	-2.54e-04	-4.37e-05	-7.52e-04
25	80	0.13	-0.25	-0.28	5.11e-04	4.85e-05	4.76e-05
25	81	-0.20	0.30	-0.28	-9.31e-04	-7.15e-04	-1.91e-04
25	82	-0.12	0.05	-0.30	-1.66e-04	-6.23e-04	6.09e-04

25	83	0.05	2.56e-03	-0.25	-2.44e-04	-3.65e-05	-7.31e-04
25	84	0.14	-0.26	-0.28	5.44e-04	5.34e-05	4.19e-05
25	85	-0.20	0.32	-0.28	-9.65e-04	-7.20e-04	-1.85e-04
25	86	-0.12	0.05	-0.30	-1.77e-04	-6.30e-04	5.88e-04
25	87	0.05	-3.39e-03	-0.25	-2.33e-04	-3.77e-05	-7.45e-04
25	88	0.14	-0.26	-0.28	5.32e-04	5.46e-05	5.52e-05
25	89	-0.20	0.31	-0.28	-9.53e-04	-7.21e-04	-1.98e-04
25	90	-0.12	0.06	-0.30	-1.88e-04	-6.29e-04	6.02e-04
25	91	-0.14	0.42	-0.23	-1.42e-03	-3.82e-04	-1.44e-03
25	92	0.14	-0.46	-0.32	1.20e-03	-8.27e-05	1.13e-03
25	93	-0.21	0.51	-0.24	-1.62e-03	-5.84e-04	-1.28e-03
25	94	0.07	-0.37	-0.33	1.00e-03	-2.84e-04	1.30e-03
25	95	-0.13	0.42	-0.23	-1.42e-03	-3.80e-04	-1.44e-03
25	96	0.14	-0.46	-0.32	1.21e-03	-8.09e-05	1.14e-03
25	97	-0.21	0.51	-0.24	-1.63e-03	-5.85e-04	-1.28e-03
25	98	0.07	-0.37	-0.33	9.94e-04	-2.86e-04	1.30e-03
25	99	-0.13	0.40	-0.23	-1.38e-03	-3.86e-04	-1.49e-03
25	100	0.14	-0.44	-0.32	1.17e-03	-7.87e-05	1.18e-03
25	101	-0.20	0.49	-0.24	-1.59e-03	-5.88e-04	-1.32e-03
25	102	0.06	-0.35	-0.33	9.63e-04	-2.80e-04	1.35e-03
25	103	-0.13	0.40	-0.23	-1.38e-03	-3.84e-04	-1.49e-03
25	104	0.14	-0.44	-0.32	1.17e-03	-7.69e-05	1.18e-03
25	105	-0.21	0.50	-0.24	-1.59e-03	-5.89e-04	-1.32e-03
25	106	0.06	-0.35	-0.33	9.56e-04	-2.82e-04	1.34e-03
26	1	-0.01	0.01	-0.27	-5.67e-05	6.03e-05	-6.22e-05
26	2	-0.07	0.04	-0.43	-3.07e-04	2.40e-04	-1.22e-04
26	3	-9.19e-03	8.48e-03	-0.21	-3.89e-05	4.30e-05	-4.67e-05
26	4	-0.07	0.04	-0.37	-2.89e-04	2.22e-04	-1.07e-04
26	5	-9.82e-03	8.82e-03	-0.21	-4.16e-05	4.49e-05	-4.74e-05
26	6	-0.05	0.03	-0.31	-2.08e-04	1.65e-04	-8.73e-05
26	7	-9.82e-03	8.82e-03	-0.21	-4.16e-05	4.49e-05	-4.74e-05
26	8	-0.04	0.02	-0.28	-1.58e-04	1.29e-04	-7.53e-05
26	9	-9.82e-03	8.82e-03	-0.21	-4.16e-05	4.49e-05	-4.74e-05
26	10	-0.03	0.02	-0.27	-1.42e-04	1.17e-04	-7.13e-05
26	11	0.10	-0.08	-0.31	4.07e-04	5.96e-04	-1.07e-03
26	12	0.22	-0.39	-0.35	1.13e-03	7.66e-04	9.30e-05
26	13	-0.29	0.43	-0.19	-1.42e-03	-5.33e-04	-2.36e-04
26	14	-0.16	0.12	-0.24	-6.90e-04	-3.63e-04	9.32e-04
26	15	0.10	-0.09	-0.31	4.42e-04	6.01e-04	-1.09e-03
26	16	0.22	-0.38	-0.35	1.10e-03	7.61e-04	1.12e-04
26	17	-0.29	0.42	-0.19	-1.38e-03	-5.28e-04	-2.55e-04
26	18	-0.17	0.13	-0.23	-7.26e-04	-3.68e-04	9.51e-04
26	19	0.10	-0.09	-0.31	4.54e-04	6.18e-04	-1.06e-03
26	20	0.23	-0.40	-0.36	1.18e-03	7.88e-04	1.04e-04
26	21	-0.29	0.44	-0.19	-1.47e-03	-5.54e-04	-2.47e-04
26	22	-0.17	0.14	-0.23	-7.37e-04	-3.85e-04	9.20e-04
26	23	0.10	-0.10	-0.31	4.90e-04	6.23e-04	-1.08e-03
26	24	0.22	-0.39	-0.35	1.15e-03	7.83e-04	1.24e-04
26	25	-0.29	0.43	-0.19	-1.43e-03	-5.49e-04	-2.66e-04
26	26	-0.17	0.15	-0.23	-7.73e-04	-3.90e-04	9.40e-04
26	27	-0.19	0.45	-0.21	-1.08e-03	3.32e-06	-2.14e-03
26	28	0.24	-0.56	-0.37	1.35e-03	5.69e-04	1.75e-03
26	29	-0.30	0.61	-0.17	-1.63e-03	-3.35e-04	-1.89e-03
26	30	0.12	-0.41	-0.34	7.98e-04	2.30e-04	2.00e-03
26	31	-0.19	0.45	-0.21	-1.07e-03	9.82e-06	-2.14e-03
26	32	0.24	-0.57	-0.37	1.36e-03	5.75e-04	1.75e-03
26	33	-0.30	0.61	-0.17	-1.64e-03	-3.42e-04	-1.90e-03
26	34	0.12	-0.41	-0.33	7.84e-04	2.24e-04	2.00e-03
26	35	-0.18	0.42	-0.22	-9.63e-04	1.96e-05	-2.21e-03
26	36	0.23	-0.53	-0.36	1.23e-03	5.52e-04	1.81e-03
26	37	-0.29	0.57	-0.18	-1.51e-03	-3.19e-04	-1.96e-03
26	38	0.11	-0.38	-0.33	6.80e-04	2.14e-04	2.06e-03
26	39	-0.18	0.42	-0.22	-9.49e-04	2.61e-05	-2.20e-03
26	40	0.23	-0.53	-0.36	1.24e-03	5.59e-04	1.82e-03
26	41	-0.30	0.58	-0.18	-1.52e-03	-3.26e-04	-1.96e-03
26	42	0.11	-0.37	-0.33	6.66e-04	2.07e-04	2.06e-03
26	43	0.07	-0.06	-0.30	2.93e-04	4.97e-04	-8.66e-04
26	44	0.17	-0.30	-0.34	8.70e-04	6.30e-04	5.97e-05
26	45	-0.24	0.34	-0.21	-1.15e-03	-3.97e-04	-2.02e-04
26	46	-0.14	0.10	-0.24	-5.77e-04	-2.64e-04	7.23e-04
26	47	0.07	-0.07	-0.30	3.21e-04	5.01e-04	-8.81e-04
26	48	0.17	-0.29	-0.33	8.42e-04	6.26e-04	7.49e-05

26	49	-0.23	0.34	-0.21	-1.12e-03	-3.93e-04	-2.18e-04
26	50	-0.14	0.11	-0.24	-6.05e-04	-2.68e-04	7.38e-04
26	51	0.07	-0.07	-0.30	3.31e-04	5.14e-04	-8.56e-04
26	52	0.17	-0.31	-0.34	9.07e-04	6.47e-04	6.92e-05
26	53	-0.24	0.35	-0.20	-1.19e-03	-4.14e-04	-2.12e-04
26	54	-0.14	0.11	-0.24	-6.14e-04	-2.81e-04	7.13e-04
26	55	0.07	-0.08	-0.30	3.59e-04	5.18e-04	-8.71e-04
26	56	0.17	-0.30	-0.34	8.79e-04	6.43e-04	8.44e-05
26	57	-0.24	0.35	-0.21	-1.16e-03	-4.10e-04	-2.27e-04
26	58	-0.14	0.12	-0.24	-6.42e-04	-2.85e-04	7.29e-04
26	59	-0.16	0.36	-0.22	-8.85e-04	2.96e-05	-1.71e-03
26	60	0.18	-0.44	-0.35	1.04e-03	4.72e-04	1.37e-03
26	61	-0.25	0.49	-0.19	-1.32e-03	-2.38e-04	-1.51e-03
26	62	0.09	-0.32	-0.32	6.02e-04	2.04e-04	1.57e-03
26	63	-0.15	0.36	-0.22	-8.74e-04	3.48e-05	-1.71e-03
26	64	0.18	-0.45	-0.35	1.05e-03	4.77e-04	1.37e-03
26	65	-0.25	0.49	-0.19	-1.33e-03	-2.44e-04	-1.52e-03
26	66	0.09	-0.32	-0.32	5.91e-04	1.99e-04	1.57e-03
26	67	-0.15	0.34	-0.23	-7.92e-04	4.23e-05	-1.76e-03
26	68	0.17	-0.42	-0.34	9.43e-04	4.59e-04	1.42e-03
26	69	-0.24	0.46	-0.20	-1.23e-03	-2.26e-04	-1.56e-03
26	70	0.08	-0.29	-0.32	5.09e-04	1.91e-04	1.62e-03
26	71	-0.15	0.33	-0.23	-7.81e-04	4.74e-05	-1.76e-03
26	72	0.17	-0.42	-0.34	9.54e-04	4.64e-04	1.42e-03
26	73	-0.24	0.46	-0.20	-1.24e-03	-2.31e-04	-1.57e-03
26	74	0.08	-0.29	-0.31	4.97e-04	1.86e-04	1.62e-03
26	75	0.05	-0.05	-0.29	2.18e-04	4.31e-04	-7.28e-04
26	76	0.13	-0.25	-0.33	6.94e-04	5.41e-04	3.68e-05
26	77	-0.20	0.29	-0.22	-9.77e-04	-3.08e-04	-1.79e-04
26	78	-0.12	0.09	-0.25	-5.01e-04	-1.98e-04	5.85e-04
26	79	0.05	-0.05	-0.30	2.41e-04	4.34e-04	-7.40e-04
26	80	0.13	-0.24	-0.32	6.71e-04	5.38e-04	4.93e-05
26	81	-0.20	0.28	-0.22	-9.54e-04	-3.04e-04	-1.92e-04
26	82	-0.12	0.10	-0.25	-5.24e-04	-2.01e-04	5.98e-04
26	83	0.05	-0.05	-0.30	2.49e-04	4.45e-04	-7.20e-04
26	84	0.14	-0.25	-0.33	7.25e-04	5.55e-04	4.46e-05
26	85	-0.20	0.30	-0.22	-1.01e-03	-3.22e-04	-1.87e-04
26	86	-0.12	0.10	-0.25	-5.32e-04	-2.12e-04	5.77e-04
26	87	0.06	-0.06	-0.30	2.72e-04	4.49e-04	-7.33e-04
26	88	0.14	-0.25	-0.33	7.02e-04	5.52e-04	5.71e-05
26	89	-0.20	0.29	-0.22	-9.85e-04	-3.19e-04	-2.00e-04
26	90	-0.12	0.10	-0.25	-5.55e-04	-2.15e-04	5.90e-04
26	91	-0.13	0.30	-0.23	-7.56e-04	4.46e-05	-1.43e-03
26	92	0.14	-0.36	-0.34	8.32e-04	4.10e-04	1.12e-03
26	93	-0.21	0.40	-0.21	-1.11e-03	-1.77e-04	-1.26e-03
26	94	0.07	-0.26	-0.31	4.73e-04	1.89e-04	1.29e-03
26	95	-0.13	0.30	-0.23	-7.47e-04	4.89e-05	-1.43e-03
26	96	0.14	-0.36	-0.34	8.41e-04	4.15e-04	1.12e-03
26	97	-0.21	0.41	-0.21	-1.12e-03	-1.81e-04	-1.27e-03
26	98	0.07	-0.26	-0.31	4.64e-04	1.84e-04	1.28e-03
26	99	-0.13	0.28	-0.24	-6.79e-04	5.51e-05	-1.47e-03
26	100	0.14	-0.34	-0.33	7.54e-04	4.00e-04	1.16e-03
26	101	-0.20	0.38	-0.21	-1.04e-03	-1.67e-04	-1.31e-03
26	102	0.06	-0.24	-0.31	3.96e-04	1.78e-04	1.33e-03
26	103	-0.13	0.28	-0.24	-6.70e-04	5.94e-05	-1.47e-03
26	104	0.14	-0.34	-0.33	7.64e-04	4.04e-04	1.16e-03
26	105	-0.20	0.38	-0.21	-1.05e-03	-1.71e-04	-1.31e-03
26	106	0.06	-0.24	-0.31	3.87e-04	1.74e-04	1.32e-03
27	1	-6.99e-03	0.02	-0.28	-1.01e-04	-1.51e-04	-6.38e-05
27	2	-0.06	0.05	-0.50	-4.39e-04	-8.45e-04	-1.24e-04
27	3	-4.37e-03	0.01	-0.21	-7.14e-05	-1.03e-04	-4.80e-05
27	4	-0.06	0.05	-0.43	-4.09e-04	-7.97e-04	-1.08e-04
27	5	-4.94e-03	0.01	-0.22	-7.50e-05	-1.11e-04	-4.86e-05
27	6	-0.04	0.04	-0.36	-3.00e-04	-5.73e-04	-8.88e-05
27	7	-4.94e-03	0.01	-0.22	-7.50e-05	-1.11e-04	-4.86e-05
27	8	-0.03	0.03	-0.32	-2.33e-04	-4.34e-04	-7.67e-05
27	9	-4.94e-03	0.01	-0.22	-7.50e-05	-1.11e-04	-4.86e-05
27	10	-0.03	0.03	-0.30	-2.10e-04	-3.88e-04	-7.27e-05
27	11	0.18	-6.38e-04	-0.29	-2.91e-04	-4.46e-04	-1.10e-03
27	12	0.23	-0.40	-0.21	9.11e-04	6.23e-05	8.45e-05
27	13	-0.29	0.46	-0.39	-1.33e-03	-8.39e-04	-2.30e-04
27	14	-0.23	0.06	-0.31	-1.29e-04	-3.30e-04	9.51e-04

27	15	0.18	-9.73e-03	-0.29	-2.73e-04	-4.38e-04	-1.12e-03
27	16	0.24	-0.39	-0.21	8.94e-04	5.38e-05	1.05e-04
27	17	-0.29	0.45	-0.39	-1.31e-03	-8.30e-04	-2.50e-04
27	18	-0.23	0.06	-0.31	-1.47e-04	-3.38e-04	9.72e-04
27	19	0.19	-0.01	-0.29	-2.57e-04	-4.31e-04	-1.09e-03
27	20	0.24	-0.41	-0.21	9.45e-04	7.80e-05	9.54e-05
27	21	-0.29	0.47	-0.39	-1.37e-03	-8.54e-04	-2.41e-04
27	22	-0.24	0.07	-0.31	-1.63e-04	-3.46e-04	9.40e-04
27	23	0.18	-0.02	-0.29	-2.40e-04	-4.22e-04	-1.11e-03
27	24	0.24	-0.40	-0.21	9.27e-04	6.95e-05	1.16e-04
27	25	-0.29	0.46	-0.39	-1.35e-03	-8.46e-04	-2.61e-04
27	26	-0.24	0.07	-0.32	-1.80e-04	-3.54e-04	9.61e-04
27	27	-0.04	0.63	-0.42	-2.06e-03	-1.18e-03	-2.17e-03
27	28	0.13	-0.71	-0.15	1.95e-03	5.19e-04	1.77e-03
27	29	-0.18	0.77	-0.45	-2.37e-03	-1.29e-03	-1.91e-03
27	30	-0.01	-0.58	-0.18	1.64e-03	4.01e-04	2.03e-03
27	31	-0.04	0.63	-0.42	-2.05e-03	-1.17e-03	-2.17e-03
27	32	0.13	-0.72	-0.15	1.96e-03	5.23e-04	1.77e-03
27	33	-0.18	0.77	-0.45	-2.38e-03	-1.30e-03	-1.91e-03
27	34	-0.01	-0.57	-0.18	1.63e-03	3.96e-04	2.02e-03
27	35	-0.05	0.60	-0.41	-2.00e-03	-1.15e-03	-2.24e-03
27	36	0.14	-0.68	-0.16	1.89e-03	4.90e-04	1.83e-03
27	37	-0.19	0.74	-0.44	-2.31e-03	-1.27e-03	-1.98e-03
27	38	4.81e-04	-0.55	-0.19	1.58e-03	3.73e-04	2.09e-03
27	39	-0.05	0.60	-0.41	-1.99e-03	-1.14e-03	-2.24e-03
27	40	0.14	-0.69	-0.16	1.90e-03	4.95e-04	1.84e-03
27	41	-0.19	0.74	-0.45	-2.32e-03	-1.27e-03	-1.98e-03
27	42	-9.57e-04	-0.54	-0.19	1.57e-03	3.68e-04	2.09e-03
27	43	0.14	5.41e-03	-0.29	-2.74e-04	-4.34e-04	-8.83e-04
27	44	0.18	-0.31	-0.23	6.79e-04	-3.13e-05	5.27e-05
27	45	-0.23	0.37	-0.37	-1.10e-03	-7.45e-04	-1.98e-04
27	46	-0.19	0.05	-0.31	-1.46e-04	-3.42e-04	7.38e-04
27	47	0.14	-1.79e-03	-0.29	-2.60e-04	-4.28e-04	-9.00e-04
27	48	0.18	-0.31	-0.23	6.65e-04	-3.81e-05	6.89e-05
27	49	-0.23	0.36	-0.37	-1.09e-03	-7.38e-04	-2.14e-04
27	50	-0.19	0.06	-0.31	-1.60e-04	-3.49e-04	7.54e-04
27	51	0.14	-2.54e-03	-0.29	-2.48e-04	-4.22e-04	-8.74e-04
27	52	0.18	-0.32	-0.23	7.05e-04	-1.89e-05	6.16e-05
27	53	-0.23	0.38	-0.37	-1.13e-03	-7.57e-04	-2.07e-04
27	54	-0.19	0.06	-0.31	-1.73e-04	-3.54e-04	7.29e-04
27	55	0.14	-9.75e-03	-0.29	-2.34e-04	-4.15e-04	-8.91e-04
27	56	0.19	-0.32	-0.23	6.91e-04	-2.57e-05	7.78e-05
27	57	-0.24	0.37	-0.37	-1.11e-03	-7.51e-04	-2.23e-04
27	58	-0.19	0.06	-0.31	-1.87e-04	-3.61e-04	7.45e-04
27	59	-0.04	0.51	-0.39	-1.67e-03	-1.01e-03	-1.74e-03
27	60	0.10	-0.56	-0.18	1.50e-03	3.30e-04	1.38e-03
27	61	-0.15	0.61	-0.42	-1.92e-03	-1.11e-03	-1.53e-03
27	62	-0.02	-0.45	-0.21	1.25e-03	2.37e-04	1.59e-03
27	63	-0.04	0.50	-0.39	-1.67e-03	-1.01e-03	-1.73e-03
27	64	0.10	-0.56	-0.18	1.51e-03	3.34e-04	1.39e-03
27	65	-0.15	0.62	-0.42	-1.93e-03	-1.11e-03	-1.53e-03
27	66	-0.02	-0.45	-0.21	1.25e-03	2.33e-04	1.59e-03
27	67	-0.05	0.48	-0.39	-1.63e-03	-9.91e-04	-1.79e-03
27	68	0.11	-0.54	-0.19	1.46e-03	3.08e-04	1.44e-03
27	69	-0.16	0.59	-0.42	-1.88e-03	-1.08e-03	-1.58e-03
27	70	-5.12e-03	-0.43	-0.21	1.21e-03	2.15e-04	1.64e-03
27	71	-0.05	0.48	-0.39	-1.62e-03	-9.87e-04	-1.79e-03
27	72	0.11	-0.54	-0.19	1.46e-03	3.12e-04	1.44e-03
27	73	-0.16	0.59	-0.42	-1.88e-03	-1.09e-03	-1.59e-03
27	74	-6.21e-03	-0.42	-0.21	1.20e-03	2.11e-04	1.64e-03
27	75	0.11	9.20e-03	-0.29	-2.63e-04	-4.26e-04	-7.43e-04
27	76	0.14	-0.26	-0.24	5.24e-04	-9.33e-05	3.07e-05
27	77	-0.20	0.31	-0.36	-9.45e-04	-6.83e-04	-1.76e-04
27	78	-0.16	0.05	-0.31	-1.57e-04	-3.50e-04	5.97e-04
27	79	0.11	3.24e-03	-0.29	-2.52e-04	-4.21e-04	-7.56e-04
27	80	0.15	-0.25	-0.24	5.13e-04	-9.88e-05	4.41e-05
27	81	-0.20	0.30	-0.36	-9.33e-04	-6.77e-04	-1.90e-04
27	82	-0.16	0.05	-0.31	-1.69e-04	-3.55e-04	6.11e-04
27	83	0.11	2.63e-03	-0.29	-2.41e-04	-4.16e-04	-7.35e-04
27	84	0.15	-0.26	-0.24	5.46e-04	-8.30e-05	3.81e-05
27	85	-0.20	0.32	-0.36	-9.67e-04	-6.93e-04	-1.84e-04
27	86	-0.17	0.05	-0.31	-1.79e-04	-3.60e-04	5.90e-04

27	87	0.11	-3.32e-03	-0.29	-2.30e-04	-4.11e-04	-7.49e-04
27	88	0.15	-0.26	-0.24	5.35e-04	-8.86e-05	5.15e-05
27	89	-0.20	0.31	-0.36	-9.55e-04	-6.88e-04	-1.97e-04
27	90	-0.16	0.06	-0.31	-1.91e-04	-3.66e-04	6.03e-04
27	91	-0.04	0.42	-0.38	-1.42e-03	-9.05e-04	-1.45e-03
27	92	0.07	-0.46	-0.20	1.20e-03	2.06e-04	1.13e-03
27	93	-0.13	0.51	-0.40	-1.63e-03	-9.82e-04	-1.28e-03
27	94	-0.02	-0.37	-0.22	1.00e-03	1.29e-04	1.30e-03
27	95	-0.03	0.42	-0.38	-1.41e-03	-9.02e-04	-1.44e-03
27	96	0.08	-0.46	-0.20	1.21e-03	2.09e-04	1.13e-03
27	97	-0.13	0.51	-0.40	-1.63e-03	-9.85e-04	-1.28e-03
27	98	-0.02	-0.37	-0.22	9.94e-04	1.26e-04	1.30e-03
27	99	-0.04	0.40	-0.38	-1.38e-03	-8.86e-04	-1.49e-03
27	100	0.08	-0.44	-0.21	1.17e-03	1.87e-04	1.18e-03
27	101	-0.14	0.49	-0.40	-1.59e-03	-9.63e-04	-1.32e-03
27	102	-8.79e-03	-0.35	-0.23	9.62e-04	1.10e-04	1.35e-03
27	103	-0.04	0.40	-0.37	-1.38e-03	-8.83e-04	-1.49e-03
27	104	0.08	-0.44	-0.21	1.17e-03	1.90e-04	1.18e-03
27	105	-0.14	0.50	-0.40	-1.59e-03	-9.66e-04	-1.32e-03
27	106	-9.70e-03	-0.35	-0.23	9.55e-04	1.07e-04	1.34e-03
28	1	-7.06e-03	0.01	-0.28	-4.92e-05	-1.65e-05	-6.80e-05
28	2	-0.06	0.04	-0.46	-3.04e-04	-6.11e-05	-1.47e-04
28	3	-4.42e-03	8.49e-03	-0.21	-3.30e-05	-1.18e-05	-5.08e-05
28	4	-0.06	0.04	-0.39	-2.87e-04	-5.65e-05	-1.30e-04
28	5	-4.99e-03	8.82e-03	-0.21	-3.58e-05	-1.23e-05	-5.16e-05
28	6	-0.04	0.03	-0.33	-2.05e-04	-4.21e-05	-1.05e-04
28	7	-4.99e-03	8.82e-03	-0.21	-3.58e-05	-1.23e-05	-5.16e-05
28	8	-0.03	0.02	-0.30	-1.54e-04	-3.32e-05	-8.87e-05
28	9	-4.99e-03	8.82e-03	-0.21	-3.58e-05	-1.23e-05	-5.16e-05
28	10	-0.03	0.02	-0.29	-1.38e-04	-3.02e-05	-8.34e-05
28	11	0.18	-0.08	-0.25	4.03e-04	-1.95e-04	-1.11e-03
28	12	0.23	-0.39	-0.23	1.13e-03	3.51e-04	4.42e-05
28	13	-0.28	0.43	-0.34	-1.40e-03	-4.12e-04	-2.11e-04
28	14	-0.23	0.12	-0.32	-6.79e-04	1.35e-04	9.44e-04
28	15	0.18	-0.09	-0.25	4.38e-04	-1.95e-04	-1.13e-03
28	16	0.24	-0.38	-0.23	1.09e-03	3.51e-04	6.65e-05
28	17	-0.29	0.42	-0.34	-1.37e-03	-4.12e-04	-2.33e-04
28	18	-0.23	0.13	-0.32	-7.13e-04	1.35e-04	9.67e-04
28	19	0.19	-0.09	-0.25	4.50e-04	-1.98e-04	-1.10e-03
28	20	0.24	-0.40	-0.23	1.17e-03	3.48e-04	5.19e-05
28	21	-0.29	0.44	-0.34	-1.45e-03	-4.09e-04	-2.19e-04
28	22	-0.24	0.14	-0.32	-7.25e-04	1.38e-04	9.37e-04
28	23	0.18	-0.10	-0.25	4.85e-04	-1.98e-04	-1.13e-03
28	24	0.24	-0.39	-0.23	1.14e-03	3.48e-04	7.41e-05
28	25	-0.29	0.43	-0.34	-1.41e-03	-4.09e-04	-2.41e-04
28	26	-0.24	0.15	-0.32	-7.60e-04	1.38e-04	9.59e-04
28	27	-0.04	0.45	-0.32	-1.07e-03	-9.09e-04	-2.14e-03
28	28	0.13	-0.56	-0.23	1.34e-03	9.14e-04	1.71e-03
28	29	-0.18	0.61	-0.34	-1.62e-03	-9.74e-04	-1.87e-03
28	30	-0.01	-0.41	-0.26	7.99e-04	8.49e-04	1.98e-03
28	31	-0.04	0.45	-0.32	-1.06e-03	-9.10e-04	-2.14e-03
28	32	0.13	-0.57	-0.23	1.35e-03	9.13e-04	1.71e-03
28	33	-0.18	0.61	-0.34	-1.63e-03	-9.73e-04	-1.88e-03
28	34	-0.01	-0.41	-0.26	7.85e-04	8.50e-04	1.98e-03
28	35	-0.05	0.42	-0.31	-9.58e-04	-9.08e-04	-2.22e-03
28	36	0.14	-0.53	-0.23	1.22e-03	9.13e-04	1.78e-03
28	37	-0.19	0.57	-0.34	-1.50e-03	-9.73e-04	-1.95e-03
28	38	-5.03e-05	-0.38	-0.26	6.83e-04	8.48e-04	2.05e-03
28	39	-0.05	0.42	-0.31	-9.44e-04	-9.09e-04	-2.22e-03
28	40	0.14	-0.53	-0.23	1.24e-03	9.12e-04	1.78e-03
28	41	-0.19	0.58	-0.34	-1.51e-03	-9.72e-04	-1.95e-03
28	42	-1.48e-03	-0.37	-0.26	6.69e-04	8.49e-04	2.05e-03
28	43	0.14	-0.06	-0.26	2.91e-04	-1.62e-04	-8.97e-04
28	44	0.18	-0.30	-0.24	8.65e-04	2.71e-04	1.85e-05
28	45	-0.23	0.34	-0.33	-1.14e-03	-3.32e-04	-1.85e-04
28	46	-0.19	0.10	-0.31	-5.66e-04	1.01e-04	7.30e-04
28	47	0.14	-0.07	-0.26	3.19e-04	-1.62e-04	-9.15e-04
28	48	0.18	-0.29	-0.24	8.37e-04	2.71e-04	3.61e-05
28	49	-0.23	0.34	-0.33	-1.11e-03	-3.32e-04	-2.03e-04
28	50	-0.19	0.11	-0.31	-5.94e-04	1.01e-04	7.48e-04
28	51	0.14	-0.07	-0.26	3.28e-04	-1.64e-04	-8.91e-04
28	52	0.18	-0.31	-0.24	9.02e-04	2.69e-04	2.48e-05

28	53	-0.23	0.35	-0.33	-1.18e-03	-3.29e-04	-1.92e-04
28	54	-0.19	0.11	-0.31	-6.03e-04	1.04e-04	7.24e-04
28	55	0.14	-0.08	-0.26	3.56e-04	-1.64e-04	-9.09e-04
28	56	0.18	-0.30	-0.24	8.74e-04	2.69e-04	4.24e-05
28	57	-0.24	0.35	-0.33	-1.15e-03	-3.29e-04	-2.09e-04
28	58	-0.19	0.12	-0.31	-6.31e-04	1.04e-04	7.42e-04
28	59	-0.04	0.36	-0.31	-8.79e-04	-7.27e-04	-1.72e-03
28	60	0.10	-0.44	-0.24	1.03e-03	7.18e-04	1.34e-03
28	61	-0.15	0.49	-0.33	-1.31e-03	-7.78e-04	-1.50e-03
28	62	-0.02	-0.32	-0.26	6.04e-04	6.67e-04	1.55e-03
28	63	-0.04	0.36	-0.31	-8.68e-04	-7.28e-04	-1.71e-03
28	64	0.10	-0.45	-0.24	1.04e-03	7.17e-04	1.34e-03
28	65	-0.15	0.49	-0.33	-1.32e-03	-7.77e-04	-1.50e-03
28	66	-0.02	-0.32	-0.26	5.93e-04	6.67e-04	1.55e-03
28	67	-0.05	0.34	-0.31	-7.87e-04	-7.26e-04	-1.78e-03
28	68	0.10	-0.42	-0.24	9.41e-04	7.17e-04	1.39e-03
28	69	-0.16	0.46	-0.33	-1.22e-03	-7.77e-04	-1.56e-03
28	70	-5.55e-03	-0.29	-0.26	5.12e-04	6.66e-04	1.61e-03
28	71	-0.05	0.33	-0.31	-7.76e-04	-7.27e-04	-1.77e-03
28	72	0.11	-0.42	-0.24	9.52e-04	7.16e-04	1.40e-03
28	73	-0.16	0.46	-0.33	-1.23e-03	-7.77e-04	-1.56e-03
28	74	-6.64e-03	-0.29	-0.26	5.01e-04	6.67e-04	1.61e-03
28	75	0.11	-0.05	-0.27	2.17e-04	-1.39e-04	-7.56e-04
28	76	0.14	-0.25	-0.25	6.91e-04	2.19e-04	0.0
28	77	-0.20	0.29	-0.32	-9.66e-04	-2.80e-04	-1.68e-04
28	78	-0.16	0.09	-0.31	-4.92e-04	7.86e-05	5.89e-04
28	79	0.11	-0.05	-0.26	2.40e-04	-1.39e-04	-7.71e-04
28	80	0.14	-0.24	-0.25	6.68e-04	2.19e-04	1.53e-05
28	81	-0.20	0.28	-0.32	-9.43e-04	-2.79e-04	-1.82e-04
28	82	-0.16	0.10	-0.31	-5.15e-04	7.85e-05	6.04e-04
28	83	0.11	-0.05	-0.26	2.48e-04	-1.41e-04	-7.51e-04
28	84	0.15	-0.25	-0.25	7.22e-04	2.17e-04	5.86e-06
28	85	-0.20	0.30	-0.32	-9.97e-04	-2.78e-04	-1.73e-04
28	86	-0.17	0.10	-0.31	-5.23e-04	8.06e-05	5.84e-04
28	87	0.11	-0.06	-0.26	2.70e-04	-1.41e-04	-7.65e-04
28	88	0.15	-0.25	-0.25	6.99e-04	2.17e-04	2.04e-05
28	89	-0.20	0.29	-0.32	-9.74e-04	-2.77e-04	-1.87e-04
28	90	-0.16	0.10	-0.31	-5.45e-04	8.05e-05	5.99e-04
28	91	-0.04	0.30	-0.31	-7.50e-04	-6.06e-04	-1.43e-03
28	92	0.07	-0.36	-0.25	8.30e-04	5.88e-04	1.09e-03
28	93	-0.13	0.40	-0.32	-1.11e-03	-6.48e-04	-1.26e-03
28	94	-0.02	-0.26	-0.27	4.75e-04	5.46e-04	1.27e-03
28	95	-0.03	0.30	-0.30	-7.41e-04	-6.07e-04	-1.43e-03
28	96	0.08	-0.36	-0.25	8.39e-04	5.87e-04	1.09e-03
28	97	-0.13	0.41	-0.32	-1.11e-03	-6.48e-04	-1.26e-03
28	98	-0.02	-0.26	-0.27	4.66e-04	5.46e-04	1.26e-03
28	99	-0.04	0.28	-0.30	-6.74e-04	-6.06e-04	-1.48e-03
28	100	0.08	-0.34	-0.25	7.54e-04	5.87e-04	1.14e-03
28	101	-0.13	0.38	-0.32	-1.03e-03	-6.48e-04	-1.30e-03
28	102	-9.16e-03	-0.24	-0.27	3.99e-04	5.45e-04	1.31e-03
28	103	-0.04	0.28	-0.30	-6.65e-04	-6.06e-04	-1.48e-03
28	104	0.08	-0.34	-0.25	7.63e-04	5.87e-04	1.14e-03
28	105	-0.14	0.38	-0.32	-1.04e-03	-6.47e-04	-1.31e-03
28	106	-0.01	-0.24	-0.27	3.90e-04	5.46e-04	1.31e-03
29	1	-1.03e-04	4.24e-04	-0.28	-1.42e-04	-6.12e-05	0.0
29	2	-2.72e-04	-1.17e-04	-0.42	-5.88e-04	-1.32e-04	-1.71e-06
29	3	-7.64e-05	3.36e-04	-0.21	-1.01e-04	-4.57e-05	0.0
29	4	-2.45e-04	-2.04e-04	-0.35	-5.47e-04	-1.17e-04	-1.85e-06
29	5	-7.82e-05	3.31e-04	-0.21	-1.06e-04	-4.65e-05	0.0
29	6	-1.91e-04	-2.97e-05	-0.30	-4.03e-04	-9.38e-05	-1.03e-06
29	7	-7.82e-05	3.31e-04	-0.21	-1.06e-04	-4.65e-05	0.0
29	8	-1.57e-04	7.84e-05	-0.28	-3.14e-04	-7.96e-05	0.0
29	9	-7.82e-05	3.31e-04	-0.21	-1.06e-04	-4.65e-05	0.0
29	10	-1.46e-04	1.14e-04	-0.27	-2.84e-04	-7.49e-05	0.0
29	11	0.03	0.03	-0.19	-3.15e-04	-4.64e-05	5.84e-05
29	12	0.04	-9.87e-03	-0.26	1.38e-03	0.0	3.96e-05
29	13	-0.05	0.01	-0.28	-1.94e-03	-1.50e-04	-4.03e-05
29	14	-0.03	-0.03	-0.35	-2.53e-04	-1.03e-04	-5.91e-05
29	15	0.03	0.03	-0.19	-2.58e-04	-4.67e-05	6.15e-05
29	16	0.05	-0.01	-0.26	1.32e-03	0.0	3.64e-05
29	17	-0.05	0.01	-0.28	-1.89e-03	-1.50e-04	-3.71e-05
29	18	-0.03	-0.03	-0.34	-3.10e-04	-1.03e-04	-6.22e-05

29	19	0.03	0.03	-0.19	-2.70e-04	-4.79e-05	-4.12e-05
29	20	0.04	-0.01	-0.26	1.42e-03	-1.14e-06	-6.00e-05
29	21	-0.04	0.01	-0.27	-1.99e-03	-1.49e-04	5.93e-05
29	22	-0.03	-0.03	-0.34	-2.98e-04	-1.02e-04	4.05e-05
29	23	0.03	0.03	-0.20	-2.13e-04	-4.82e-05	-3.81e-05
29	24	0.04	-0.01	-0.26	1.36e-03	0.0	-6.32e-05
29	25	-0.04	0.01	-0.27	-1.93e-03	-1.49e-04	6.25e-05
29	26	-0.03	-0.03	-0.34	-3.55e-04	-1.02e-04	3.74e-05
29	27	-7.24e-03	0.06	-0.14	-2.86e-03	-1.37e-04	4.58e-05
29	28	0.03	-0.06	-0.37	2.78e-03	1.87e-05	-1.69e-05
29	29	-0.03	0.06	-0.17	-3.35e-03	-1.68e-04	1.62e-05
29	30	6.95e-03	-0.06	-0.40	2.29e-03	-1.24e-05	-4.65e-05
29	31	-7.43e-03	0.06	-0.14	-2.84e-03	-1.38e-04	1.59e-05
29	32	0.03	-0.06	-0.37	2.79e-03	1.82e-05	-4.68e-05
29	33	-0.03	0.06	-0.16	-3.36e-03	-1.68e-04	4.61e-05
29	34	7.14e-03	-0.06	-0.40	2.28e-03	-1.20e-05	-1.66e-05
29	35	-8.31e-03	0.07	-0.15	-2.67e-03	-1.38e-04	5.63e-05
29	36	0.03	-0.06	-0.36	2.59e-03	1.95e-05	-2.74e-05
29	37	-0.03	0.06	-0.17	-3.16e-03	-1.69e-04	2.67e-05
29	38	8.02e-03	-0.07	-0.39	2.10e-03	-1.16e-05	-5.70e-05
29	39	-8.50e-03	0.07	-0.15	-2.65e-03	-1.39e-04	2.64e-05
29	40	0.03	-0.06	-0.36	2.60e-03	1.91e-05	-5.73e-05
29	41	-0.03	0.06	-0.17	-3.17e-03	-1.69e-04	5.66e-05
29	42	8.21e-03	-0.07	-0.39	2.09e-03	-1.11e-05	-2.71e-05
29	43	0.03	0.02	-0.21	-3.11e-04	-5.28e-05	4.59e-05
29	44	0.04	-7.89e-03	-0.26	1.03e-03	-1.58e-05	3.12e-05
29	45	-0.04	8.12e-03	-0.27	-1.60e-03	-1.34e-04	-3.19e-05
29	46	-0.03	-0.02	-0.33	-2.57e-04	-9.69e-05	-4.66e-05
29	47	0.03	0.02	-0.21	-2.66e-04	-5.30e-05	4.84e-05
29	48	0.04	-8.16e-03	-0.26	9.84e-04	-1.56e-05	2.87e-05
29	49	-0.04	8.39e-03	-0.28	-1.55e-03	-1.34e-04	-2.94e-05
29	50	-0.03	-0.02	-0.33	-3.03e-04	-9.67e-05	-4.91e-05
29	51	0.03	0.02	-0.21	-2.76e-04	-5.39e-05	-3.26e-05
29	52	0.03	-8.17e-03	-0.26	1.06e-03	-1.69e-05	-4.73e-05
29	53	-0.03	8.40e-03	-0.27	-1.63e-03	-1.33e-04	4.66e-05
29	54	-0.03	-0.02	-0.33	-2.92e-04	-9.58e-05	3.19e-05
29	55	0.03	0.02	-0.21	-2.31e-04	-5.41e-05	-3.01e-05
29	56	0.03	-8.44e-03	-0.26	1.02e-03	-1.67e-05	-4.98e-05
29	57	-0.04	8.67e-03	-0.27	-1.59e-03	-1.33e-04	4.91e-05
29	58	-0.03	-0.02	-0.32	-3.37e-04	-9.56e-05	2.94e-05
29	59	-5.70e-03	0.05	-0.17	-2.32e-03	-1.24e-04	3.58e-05
29	60	0.02	-0.05	-0.35	2.14e-03	0.0	-1.32e-05
29	61	-0.02	0.05	-0.19	-2.71e-03	-1.49e-04	1.25e-05
29	62	5.41e-03	-0.05	-0.37	1.76e-03	-2.53e-05	-3.65e-05
29	63	-5.88e-03	0.05	-0.17	-2.31e-03	-1.25e-04	1.22e-05
29	64	0.02	-0.05	-0.35	2.15e-03	-1.33e-06	-3.67e-05
29	65	-0.02	0.05	-0.19	-2.72e-03	-1.48e-04	3.60e-05
29	66	5.59e-03	-0.05	-0.37	1.75e-03	-2.50e-05	-1.30e-05
29	67	-6.56e-03	0.05	-0.17	-2.17e-03	-1.25e-04	4.42e-05
29	68	0.02	-0.05	-0.34	1.99e-03	0.0	-2.16e-05
29	69	-0.03	0.05	-0.19	-2.56e-03	-1.49e-04	2.09e-05
29	70	6.27e-03	-0.05	-0.36	1.60e-03	-2.47e-05	-4.49e-05
29	71	-6.73e-03	0.05	-0.17	-2.16e-03	-1.25e-04	2.07e-05
29	72	0.02	-0.05	-0.34	2.00e-03	0.0	-4.52e-05
29	73	-0.02	0.05	-0.19	-2.57e-03	-1.49e-04	4.44e-05
29	74	6.44e-03	-0.05	-0.36	1.59e-03	-2.43e-05	-2.14e-05
29	75	0.02	0.02	-0.22	-3.06e-04	-5.66e-05	3.79e-05
29	76	0.03	-6.49e-03	-0.26	8.02e-04	-2.60e-05	2.58e-05
29	77	-0.03	6.72e-03	-0.27	-1.37e-03	-1.24e-04	-2.65e-05
29	78	-0.02	-0.02	-0.32	-2.63e-04	-9.31e-05	-3.86e-05
29	79	0.02	0.02	-0.22	-2.68e-04	-5.68e-05	4.00e-05
29	80	0.03	-6.71e-03	-0.26	7.64e-04	-2.58e-05	2.37e-05
29	81	-0.03	6.94e-03	-0.27	-1.33e-03	-1.24e-04	-2.44e-05
29	82	-0.02	-0.02	-0.32	-3.00e-04	-9.30e-05	-4.07e-05
29	83	0.02	0.02	-0.22	-2.77e-04	-5.75e-05	-2.71e-05
29	84	0.03	-6.72e-03	-0.26	8.30e-04	-2.69e-05	-3.92e-05
29	85	-0.03	6.95e-03	-0.27	-1.40e-03	-1.23e-04	3.85e-05
29	86	-0.02	-0.02	-0.32	-2.91e-04	-9.22e-05	2.63e-05
29	87	0.02	0.02	-0.22	-2.39e-04	-5.77e-05	-2.50e-05
29	88	0.03	-6.94e-03	-0.26	7.93e-04	-2.68e-05	-4.13e-05
29	89	-0.03	7.17e-03	-0.27	-1.36e-03	-1.23e-04	4.06e-05
29	90	-0.02	-0.02	-0.31	-3.29e-04	-9.20e-05	2.42e-05

29	91	-4.74e-03	0.04	-0.18	-1.97e-03	-1.16e-04	2.95e-05
29	92	0.02	-0.04	-0.33	1.72e-03	-1.38e-05	-1.10e-05
29	93	-0.02	0.04	-0.20	-2.29e-03	-1.36e-04	1.02e-05
29	94	4.44e-03	-0.04	-0.35	1.40e-03	-3.39e-05	-3.03e-05
29	95	-4.88e-03	0.04	-0.18	-1.96e-03	-1.16e-04	1.01e-05
29	96	0.02	-0.04	-0.34	1.73e-03	-1.41e-05	-3.04e-05
29	97	-0.02	0.04	-0.20	-2.30e-03	-1.36e-04	2.97e-05
29	98	4.59e-03	-0.04	-0.35	1.39e-03	-3.36e-05	-1.08e-05
29	99	-5.44e-03	0.04	-0.19	-1.85e-03	-1.16e-04	3.65e-05
29	100	0.02	-0.04	-0.33	1.60e-03	-1.32e-05	-1.79e-05
29	101	-0.02	0.04	-0.21	-2.16e-03	-1.36e-04	1.72e-05
29	102	5.15e-03	-0.04	-0.35	1.28e-03	-3.34e-05	-3.72e-05
29	103	-5.59e-03	0.04	-0.19	-1.84e-03	-1.17e-04	1.70e-05
29	104	0.02	-0.04	-0.33	1.60e-03	-1.35e-05	-3.74e-05
29	105	-0.02	0.04	-0.20	-2.17e-03	-1.36e-04	3.67e-05
29	106	5.30e-03	-0.04	-0.35	1.27e-03	-3.31e-05	-1.78e-05
30	1	-0.02	0.06	-0.28	-1.37e-04	3.69e-05	-4.63e-05
30	2	-0.07	0.20	-0.42	-5.11e-04	2.65e-04	-4.03e-05
30	3	-0.01	0.04	-0.21	-9.80e-05	2.41e-05	-3.57e-05
30	4	-0.06	0.18	-0.36	-4.72e-04	2.52e-04	-2.97e-05
30	5	-0.01	0.05	-0.21	-1.02e-04	2.65e-05	-3.56e-05
30	6	-0.05	0.14	-0.31	-3.51e-04	1.79e-04	-3.16e-05
30	7	-0.01	0.05	-0.21	-1.02e-04	2.65e-05	-3.56e-05
30	8	-0.04	0.11	-0.28	-2.77e-04	1.33e-04	-3.28e-05
30	9	-0.01	0.05	-0.21	-1.02e-04	2.65e-05	-3.56e-05
30	10	-0.03	0.10	-0.27	-2.52e-04	1.18e-04	-3.32e-05
30	11	0.11	0.40	-0.19	-4.79e-04	4.89e-04	-1.36e-03
30	12	0.22	-0.64	-0.26	1.39e-03	5.94e-04	-5.15e-04
30	13	-0.29	0.84	-0.28	-1.89e-03	-3.58e-04	4.49e-04
30	14	-0.18	-0.20	-0.35	-2.42e-05	-2.54e-04	1.30e-03
30	15	0.11	0.40	-0.19	-4.38e-04	6.20e-04	-1.45e-03
30	16	0.22	-0.64	-0.26	1.34e-03	4.63e-04	-4.22e-04
30	17	-0.29	0.84	-0.29	-1.85e-03	-2.27e-04	3.56e-04
30	18	-0.18	-0.19	-0.35	-6.53e-05	-3.84e-04	1.39e-03
30	19	0.11	0.40	-0.19	-4.47e-04	5.09e-04	-1.41e-03
30	20	0.22	-0.64	-0.26	1.42e-03	6.13e-04	-5.59e-04
30	21	-0.29	0.84	-0.28	-1.92e-03	-3.77e-04	4.93e-04
30	22	-0.18	-0.20	-0.35	-5.65e-05	-2.73e-04	1.34e-03
30	23	0.11	0.40	-0.19	-4.06e-04	6.40e-04	-1.50e-03
30	24	0.22	-0.63	-0.26	1.38e-03	4.82e-04	-4.66e-04
30	25	-0.29	0.83	-0.28	-1.88e-03	-2.47e-04	4.00e-04
30	26	-0.18	-0.20	-0.35	-9.77e-05	-4.04e-04	1.43e-03
30	27	-0.16	1.76	-0.14	-3.15e-03	7.10e-05	-1.72e-03
30	28	0.21	-1.70	-0.38	3.07e-03	4.19e-04	1.11e-03
30	29	-0.27	1.90	-0.17	-3.57e-03	-1.83e-04	-1.17e-03
30	30	0.09	-1.56	-0.40	2.65e-03	1.65e-04	1.65e-03
30	31	-0.16	1.77	-0.14	-3.14e-03	7.68e-05	-1.73e-03
30	32	0.21	-1.70	-0.38	3.08e-03	4.25e-04	1.09e-03
30	33	-0.27	1.90	-0.17	-3.58e-03	-1.89e-04	-1.16e-03
30	34	0.09	-1.57	-0.40	2.64e-03	1.59e-04	1.66e-03
30	35	-0.16	1.75	-0.15	-3.01e-03	5.07e-04	-2.03e-03
30	36	0.21	-1.69	-0.37	2.93e-03	-1.69e-05	1.42e-03
30	37	-0.28	1.89	-0.18	-3.43e-03	2.53e-04	-1.48e-03
30	38	0.09	-1.55	-0.40	2.51e-03	-2.71e-04	1.96e-03
30	39	-0.16	1.76	-0.15	-3.00e-03	5.13e-04	-2.04e-03
30	40	0.21	-1.69	-0.37	2.94e-03	-1.10e-05	1.40e-03
30	41	-0.28	1.89	-0.17	-3.44e-03	2.47e-04	-1.47e-03
30	42	0.09	-1.56	-0.39	2.50e-03	-2.77e-04	1.97e-03
30	43	0.08	0.34	-0.21	-4.34e-04	4.11e-04	-1.08e-03
30	44	0.16	-0.49	-0.26	1.04e-03	4.92e-04	-4.14e-04
30	45	-0.23	0.69	-0.28	-1.55e-03	-2.57e-04	3.47e-04
30	46	-0.15	-0.14	-0.34	-6.93e-05	-1.75e-04	1.02e-03
30	47	0.08	0.33	-0.21	-4.01e-04	5.13e-04	-1.16e-03
30	48	0.17	-0.48	-0.26	1.01e-03	3.90e-04	-3.40e-04
30	49	-0.23	0.68	-0.28	-1.51e-03	-1.54e-04	2.74e-04
30	50	-0.15	-0.13	-0.33	-1.02e-04	-2.78e-04	1.09e-03
30	51	0.08	0.34	-0.21	-4.09e-04	4.26e-04	-1.12e-03
30	52	0.16	-0.48	-0.27	1.07e-03	5.07e-04	-4.48e-04
30	53	-0.23	0.68	-0.28	-1.57e-03	-2.72e-04	3.82e-04
30	54	-0.15	-0.14	-0.33	-9.46e-05	-1.90e-04	1.05e-03
30	55	0.08	0.34	-0.21	-3.76e-04	5.29e-04	-1.19e-03
30	56	0.17	-0.48	-0.26	1.04e-03	4.05e-04	-3.75e-04

30	57	-0.23	0.68	-0.28	-1.54e-03	-1.69e-04	3.08e-04
30	58	-0.15	-0.14	-0.33	-1.27e-04	-2.93e-04	1.13e-03
30	59	-0.13	1.42	-0.17	-2.55e-03	8.23e-05	-1.37e-03
30	60	0.16	-1.32	-0.35	2.38e-03	3.54e-04	8.71e-04
30	61	-0.22	1.52	-0.19	-2.88e-03	-1.18e-04	-9.37e-04
30	62	0.06	-1.22	-0.38	2.05e-03	1.53e-04	1.30e-03
30	63	-0.13	1.42	-0.17	-2.54e-03	8.69e-05	-1.38e-03
30	64	0.16	-1.32	-0.35	2.39e-03	3.58e-04	8.60e-04
30	65	-0.22	1.52	-0.19	-2.89e-03	-1.23e-04	-9.27e-04
30	66	0.06	-1.22	-0.38	2.04e-03	1.49e-04	1.31e-03
30	67	-0.13	1.41	-0.17	-2.44e-03	4.24e-04	-1.61e-03
30	68	0.16	-1.32	-0.35	2.27e-03	1.20e-05	1.12e-03
30	69	-0.23	1.52	-0.20	-2.77e-03	2.24e-04	-1.18e-03
30	70	0.06	-1.21	-0.37	1.94e-03	-1.88e-04	1.55e-03
30	71	-0.13	1.41	-0.17	-2.43e-03	4.29e-04	-1.62e-03
30	72	0.16	-1.32	-0.35	2.28e-03	1.65e-05	1.11e-03
30	73	-0.23	1.52	-0.19	-2.78e-03	2.19e-04	-1.17e-03
30	74	0.06	-1.21	-0.37	1.93e-03	-1.93e-04	1.56e-03
30	75	0.06	0.30	-0.22	-4.02e-04	3.60e-04	-9.03e-04
30	76	0.13	-0.38	-0.26	8.20e-04	4.28e-04	-3.48e-04
30	77	-0.20	0.59	-0.28	-1.32e-03	-1.92e-04	2.82e-04
30	78	-0.13	-0.09	-0.33	-1.02e-04	-1.25e-04	8.36e-04
30	79	0.06	0.29	-0.22	-3.75e-04	4.45e-04	-9.64e-04
30	80	0.13	-0.38	-0.26	7.93e-04	3.43e-04	-2.87e-04
30	81	-0.20	0.58	-0.28	-1.30e-03	-1.07e-04	2.21e-04
30	82	-0.13	-0.09	-0.32	-1.29e-04	-2.10e-04	8.97e-04
30	83	0.06	0.30	-0.22	-3.81e-04	3.73e-04	-9.31e-04
30	84	0.13	-0.38	-0.27	8.41e-04	4.40e-04	-3.76e-04
30	85	-0.20	0.58	-0.28	-1.34e-03	-2.05e-04	3.10e-04
30	86	-0.13	-0.10	-0.32	-1.22e-04	-1.37e-04	8.65e-04
30	87	0.06	0.30	-0.22	-3.54e-04	4.58e-04	-9.92e-04
30	88	0.13	-0.38	-0.26	8.14e-04	3.56e-04	-3.16e-04
30	89	-0.20	0.58	-0.28	-1.32e-03	-1.20e-04	2.49e-04
30	90	-0.13	-0.10	-0.32	-1.49e-04	-2.22e-04	9.25e-04
30	91	-0.11	1.19	-0.18	-2.15e-03	8.84e-05	-1.14e-03
30	92	0.12	-1.08	-0.34	1.92e-03	3.13e-04	7.14e-04
30	93	-0.19	1.28	-0.20	-2.43e-03	-7.74e-05	-7.80e-04
30	94	0.05	-0.99	-0.36	1.65e-03	1.47e-04	1.07e-03
30	95	-0.11	1.19	-0.19	-2.14e-03	9.22e-05	-1.14e-03
30	96	0.12	-1.08	-0.34	1.93e-03	3.17e-04	7.05e-04
30	97	-0.19	1.28	-0.20	-2.43e-03	-8.11e-05	-7.72e-04
30	98	0.05	-0.99	-0.36	1.64e-03	1.44e-04	1.08e-03
30	99	-0.12	1.18	-0.19	-2.06e-03	3.71e-04	-1.34e-03
30	100	0.12	-1.07	-0.33	1.83e-03	3.04e-05	9.16e-04
30	101	-0.19	1.27	-0.21	-2.34e-03	2.05e-04	-9.83e-04
30	102	0.05	-0.98	-0.35	1.56e-03	-1.35e-04	1.27e-03
30	103	-0.12	1.18	-0.19	-2.05e-03	3.75e-04	-1.35e-03
30	104	0.12	-1.07	-0.33	1.84e-03	3.41e-05	9.08e-04
30	105	-0.19	1.27	-0.21	-2.34e-03	2.02e-04	-9.74e-04
30	106	0.05	-0.98	-0.35	1.55e-03	-1.39e-04	1.28e-03
31	1	-1.88e-04	4.24e-04	-0.29	-1.44e-04	-6.12e-05	0.0
31	2	-1.01e-04	-1.17e-04	-0.48	-5.92e-04	-1.32e-04	-1.67e-06
31	3	-1.46e-04	3.37e-04	-0.22	-1.02e-04	-4.57e-05	0.0
31	4	-5.88e-05	-2.04e-04	-0.41	-5.51e-04	-1.17e-04	-1.82e-06
31	5	-1.45e-04	3.31e-04	-0.22	-1.07e-04	-4.65e-05	0.0
31	6	-8.71e-05	-2.98e-05	-0.35	-4.06e-04	-9.40e-05	-1.01e-06
31	7	-1.45e-04	3.31e-04	-0.22	-1.07e-04	-4.65e-05	0.0
31	8	-1.05e-04	7.83e-05	-0.31	-3.16e-04	-7.97e-05	0.0
31	9	-1.45e-04	3.31e-04	-0.22	-1.07e-04	-4.65e-05	0.0
31	10	-1.10e-04	1.14e-04	-0.30	-2.86e-04	-7.50e-05	0.0
31	11	0.03	0.03	-0.28	-3.17e-04	-4.49e-05	5.84e-05
31	12	0.05	-9.87e-03	-0.17	1.38e-03	1.89e-06	3.96e-05
31	13	-0.05	0.01	-0.42	-1.95e-03	-1.52e-04	-4.03e-05
31	14	-0.04	-0.03	-0.31	-2.55e-04	-1.05e-04	-5.91e-05
31	15	0.03	0.03	-0.28	-2.60e-04	-4.48e-05	6.16e-05
31	16	0.05	-0.01	-0.18	1.32e-03	1.85e-06	3.64e-05
31	17	-0.05	0.01	-0.42	-1.89e-03	-1.52e-04	-3.71e-05
31	18	-0.03	-0.03	-0.32	-3.13e-04	-1.05e-04	-6.23e-05
31	19	0.03	0.03	-0.27	-2.73e-04	-4.57e-05	-4.13e-05
31	20	0.05	-0.01	-0.17	1.42e-03	1.04e-06	-6.01e-05
31	21	-0.05	0.01	-0.42	-1.99e-03	-1.51e-04	5.94e-05
31	22	-0.03	-0.03	-0.32	-3.00e-04	-1.04e-04	4.06e-05

31	23	0.03	0.03	-0.27	-2.16e-04	-4.57e-05	-3.81e-05
31	24	0.05	-0.01	-0.17	1.36e-03	0.0	-6.32e-05
31	25	-0.05	0.01	-0.42	-1.94e-03	-1.51e-04	6.25e-05
31	26	-0.03	-0.03	-0.32	-3.57e-04	-1.04e-04	3.74e-05
31	27	-5.63e-03	0.06	-0.45	-2.86e-03	-1.37e-04	4.58e-05
31	28	0.03	-0.06	-0.10	2.78e-03	1.90e-05	-1.69e-05
31	29	-0.03	0.06	-0.49	-3.35e-03	-1.69e-04	1.62e-05
31	30	5.41e-03	-0.06	-0.14	2.29e-03	-1.31e-05	-4.65e-05
31	31	-5.71e-03	0.06	-0.45	-2.85e-03	-1.37e-04	1.59e-05
31	32	0.03	-0.06	-0.10	2.79e-03	1.88e-05	-4.68e-05
31	33	-0.03	0.06	-0.49	-3.37e-03	-1.69e-04	4.61e-05
31	34	5.49e-03	-0.06	-0.15	2.28e-03	-1.28e-05	-1.66e-05
31	35	-6.33e-03	0.07	-0.44	-2.67e-03	-1.37e-04	5.63e-05
31	36	0.03	-0.06	-0.11	2.59e-03	1.89e-05	-2.74e-05
31	37	-0.03	0.06	-0.48	-3.16e-03	-1.69e-04	2.67e-05
31	38	6.11e-03	-0.07	-0.16	2.10e-03	-1.32e-05	-5.70e-05
31	39	-6.41e-03	0.07	-0.44	-2.66e-03	-1.37e-04	2.64e-05
31	40	0.03	-0.06	-0.11	2.60e-03	1.86e-05	-5.73e-05
31	41	-0.03	0.06	-0.48	-3.18e-03	-1.69e-04	5.66e-05
31	42	6.19e-03	-0.07	-0.16	2.09e-03	-1.30e-05	-2.71e-05
31	43	0.03	0.02	-0.28	-3.13e-04	-5.16e-05	4.59e-05
31	44	0.04	-7.89e-03	-0.20	1.03e-03	-1.46e-05	3.12e-05
31	45	-0.04	8.12e-03	-0.39	-1.60e-03	-1.35e-04	-3.19e-05
31	46	-0.03	-0.02	-0.31	-2.59e-04	-9.84e-05	-4.66e-05
31	47	0.03	0.02	-0.28	-2.68e-04	-5.15e-05	4.85e-05
31	48	0.04	-8.16e-03	-0.20	9.83e-04	-1.46e-05	2.87e-05
31	49	-0.04	8.39e-03	-0.39	-1.56e-03	-1.35e-04	-2.94e-05
31	50	-0.03	-0.02	-0.31	-3.05e-04	-9.84e-05	-4.91e-05
31	51	0.03	0.02	-0.28	-2.79e-04	-5.22e-05	-3.26e-05
31	52	0.04	-8.17e-03	-0.20	1.06e-03	-1.52e-05	-4.73e-05
31	53	-0.04	8.40e-03	-0.40	-1.64e-03	-1.35e-04	4.66e-05
31	54	-0.03	-0.02	-0.32	-2.94e-04	-9.78e-05	3.19e-05
31	55	0.03	0.02	-0.28	-2.33e-04	-5.21e-05	-3.01e-05
31	56	0.04	-8.44e-03	-0.20	1.02e-03	-1.52e-05	-4.99e-05
31	57	-0.04	8.67e-03	-0.40	-1.59e-03	-1.35e-04	4.92e-05
31	58	-0.03	-0.02	-0.32	-3.40e-04	-9.78e-05	2.94e-05
31	59	-4.44e-03	0.05	-0.42	-2.33e-03	-1.24e-04	3.58e-05
31	60	0.02	-0.05	-0.14	2.14e-03	0.0	-1.31e-05
31	61	-0.02	0.05	-0.45	-2.72e-03	-1.49e-04	1.25e-05
31	62	4.22e-03	-0.05	-0.18	1.76e-03	-2.59e-05	-3.65e-05
31	63	-4.52e-03	0.05	-0.42	-2.32e-03	-1.24e-04	1.22e-05
31	64	0.02	-0.05	-0.14	2.15e-03	0.0	-3.67e-05
31	65	-0.02	0.05	-0.45	-2.73e-03	-1.49e-04	3.60e-05
31	66	4.30e-03	-0.05	-0.18	1.75e-03	-2.57e-05	-1.29e-05
31	67	-5.00e-03	0.05	-0.41	-2.18e-03	-1.24e-04	4.43e-05
31	68	0.02	-0.05	-0.15	1.99e-03	0.0	-2.16e-05
31	69	-0.02	0.05	-0.44	-2.56e-03	-1.49e-04	2.09e-05
31	70	4.78e-03	-0.05	-0.18	1.61e-03	-2.60e-05	-4.49e-05
31	71	-5.08e-03	0.05	-0.41	-2.17e-03	-1.24e-04	2.07e-05
31	72	0.02	-0.05	-0.15	2.00e-03	-1.05e-06	-4.52e-05
31	73	-0.02	0.05	-0.44	-2.58e-03	-1.49e-04	4.45e-05
31	74	4.86e-03	-0.05	-0.19	1.60e-03	-2.58e-05	-2.14e-05
31	75	0.02	0.02	-0.29	-3.08e-04	-5.56e-05	3.80e-05
31	76	0.03	-6.49e-03	-0.22	8.01e-04	-2.50e-05	2.58e-05
31	77	-0.03	6.72e-03	-0.38	-1.37e-03	-1.25e-04	-2.65e-05
31	78	-0.02	-0.02	-0.31	-2.65e-04	-9.44e-05	-3.86e-05
31	79	0.02	0.02	-0.28	-2.71e-04	-5.56e-05	4.00e-05
31	80	0.03	-6.71e-03	-0.22	7.63e-04	-2.50e-05	2.37e-05
31	81	-0.03	6.94e-03	-0.37	-1.34e-03	-1.25e-04	-2.44e-05
31	82	-0.02	-0.02	-0.31	-3.02e-04	-9.44e-05	-4.07e-05
31	83	0.02	0.02	-0.28	-2.79e-04	-5.61e-05	-2.71e-05
31	84	0.03	-6.72e-03	-0.21	8.30e-04	-2.55e-05	-3.92e-05
31	85	-0.03	6.95e-03	-0.38	-1.40e-03	-1.24e-04	3.85e-05
31	86	-0.02	-0.02	-0.31	-2.94e-04	-9.38e-05	2.64e-05
31	87	0.02	0.02	-0.28	-2.42e-04	-5.61e-05	-2.50e-05
31	88	0.03	-6.94e-03	-0.22	7.92e-04	-2.56e-05	-4.13e-05
31	89	-0.03	7.17e-03	-0.38	-1.37e-03	-1.24e-04	4.06e-05
31	90	-0.02	-0.02	-0.31	-3.31e-04	-9.39e-05	2.43e-05
31	91	-3.69e-03	0.04	-0.40	-1.97e-03	-1.16e-04	2.96e-05
31	92	0.02	-0.04	-0.17	1.72e-03	-1.36e-05	-1.09e-05
31	93	-0.02	0.04	-0.42	-2.29e-03	-1.36e-04	1.02e-05
31	94	3.47e-03	-0.04	-0.20	1.40e-03	-3.44e-05	-3.03e-05

31	95	-3.76e-03	0.04	-0.40	-1.97e-03	-1.16e-04	1.01e-05
31	96	0.02	-0.04	-0.17	1.73e-03	-1.38e-05	-3.04e-05
31	97	-0.02	0.04	-0.43	-2.30e-03	-1.36e-04	2.98e-05
31	98	3.54e-03	-0.04	-0.20	1.39e-03	-3.43e-05	-1.08e-05
31	99	-4.15e-03	0.04	-0.39	-1.85e-03	-1.15e-04	3.66e-05
31	100	0.02	-0.04	-0.18	1.60e-03	-1.37e-05	-1.79e-05
31	101	-0.02	0.04	-0.42	-2.17e-03	-1.36e-04	1.72e-05
31	102	3.93e-03	-0.04	-0.20	1.28e-03	-3.45e-05	-3.72e-05
31	103	-4.22e-03	0.04	-0.39	-1.84e-03	-1.16e-04	1.70e-05
31	104	0.02	-0.04	-0.18	1.61e-03	-1.39e-05	-3.74e-05
31	105	-0.02	0.04	-0.42	-2.18e-03	-1.36e-04	3.67e-05
31	106	4.00e-03	-0.04	-0.21	1.27e-03	-3.44e-05	-1.77e-05
32	1	-0.02	0.06	-0.29	-1.32e-04	2.12e-05	-4.61e-05
32	2	-0.06	0.20	-0.48	-5.06e-04	2.79e-04	-3.99e-05
32	3	-0.01	0.04	-0.22	-9.44e-05	1.14e-05	-3.56e-05
32	4	-0.06	0.18	-0.41	-4.69e-04	2.70e-04	-2.94e-05
32	5	-0.01	0.05	-0.22	-9.84e-05	1.42e-05	-3.55e-05
32	6	-0.04	0.14	-0.35	-3.48e-04	1.86e-04	-3.14e-05
32	7	-0.01	0.05	-0.22	-9.84e-05	1.42e-05	-3.55e-05
32	8	-0.03	0.11	-0.31	-2.73e-04	1.35e-04	-3.26e-05
32	9	-0.01	0.05	-0.22	-9.84e-05	1.42e-05	-3.55e-05
32	10	-0.03	0.10	-0.30	-2.48e-04	1.17e-04	-3.30e-05
32	11	0.20	0.40	-0.28	-4.76e-04	-2.51e-04	-1.36e-03
32	12	0.26	-0.64	-0.17	1.39e-03	-1.53e-04	-5.15e-04
32	13	-0.32	0.84	-0.43	-1.89e-03	3.88e-04	4.49e-04
32	14	-0.26	-0.20	-0.32	-2.06e-05	4.86e-04	1.30e-03
32	15	0.19	0.40	-0.27	-4.35e-04	-2.76e-04	-1.45e-03
32	16	0.26	-0.64	-0.18	1.35e-03	-1.28e-04	-4.22e-04
32	17	-0.32	0.84	-0.42	-1.84e-03	3.63e-04	3.56e-04
32	18	-0.26	-0.19	-0.33	-6.18e-05	5.11e-04	1.39e-03
32	19	0.21	0.40	-0.27	-4.43e-04	-2.72e-04	-1.41e-03
32	20	0.27	-0.64	-0.17	1.42e-03	-1.74e-04	-5.59e-04
32	21	-0.33	0.84	-0.43	-1.92e-03	4.08e-04	4.93e-04
32	22	-0.27	-0.20	-0.33	-5.29e-05	5.06e-04	1.34e-03
32	23	0.20	0.40	-0.27	-4.02e-04	-2.96e-04	-1.50e-03
32	24	0.27	-0.63	-0.17	1.38e-03	-1.49e-04	-4.66e-04
32	25	-0.33	0.83	-0.43	-1.88e-03	3.84e-04	4.00e-04
32	26	-0.26	-0.20	-0.33	-9.41e-05	5.31e-04	1.43e-03
32	27	-0.05	1.76	-0.45	-3.15e-03	-1.42e-04	-1.72e-03
32	28	0.15	-1.70	-0.10	3.07e-03	1.85e-04	1.11e-03
32	29	-0.21	1.90	-0.50	-3.57e-03	4.99e-05	-1.17e-03
32	30	-8.77e-03	-1.56	-0.15	2.65e-03	3.77e-04	1.65e-03
32	31	-0.05	1.77	-0.45	-3.14e-03	-1.48e-04	-1.73e-03
32	32	0.15	-1.70	-0.10	3.08e-03	1.79e-04	1.09e-03
32	33	-0.21	1.90	-0.50	-3.58e-03	5.60e-05	-1.16e-03
32	34	-0.01	-1.57	-0.15	2.64e-03	3.83e-04	1.66e-03
32	35	-0.06	1.75	-0.44	-3.01e-03	-2.24e-04	-2.03e-03
32	36	0.15	-1.69	-0.12	2.94e-03	2.68e-04	1.42e-03
32	37	-0.22	1.89	-0.48	-3.43e-03	-3.27e-05	-1.48e-03
32	38	1.24e-04	-1.55	-0.16	2.51e-03	4.59e-04	1.96e-03
32	39	-0.06	1.76	-0.44	-3.00e-03	-2.31e-04	-2.04e-03
32	40	0.16	-1.69	-0.11	2.94e-03	2.61e-04	1.40e-03
32	41	-0.22	1.89	-0.49	-3.44e-03	-2.65e-05	-1.47e-03
32	42	-2.61e-03	-1.56	-0.16	2.50e-03	4.65e-04	1.97e-03
32	43	0.15	0.34	-0.28	-4.31e-04	-1.72e-04	-1.08e-03
32	44	0.20	-0.49	-0.20	1.05e-03	-9.65e-05	-4.13e-04
32	45	-0.26	0.69	-0.40	-1.54e-03	3.31e-04	3.47e-04
32	46	-0.21	-0.14	-0.32	-6.58e-05	4.06e-04	1.02e-03
32	47	0.15	0.33	-0.28	-3.98e-04	-1.92e-04	-1.16e-03
32	48	0.20	-0.48	-0.20	1.02e-03	-7.65e-05	-3.40e-04
32	49	-0.26	0.68	-0.40	-1.51e-03	3.11e-04	2.74e-04
32	50	-0.21	-0.13	-0.32	-9.84e-05	4.27e-04	1.09e-03
32	51	0.16	0.34	-0.28	-4.05e-04	-1.88e-04	-1.12e-03
32	52	0.20	-0.48	-0.19	1.07e-03	-1.12e-04	-4.48e-04
32	53	-0.26	0.68	-0.41	-1.57e-03	3.47e-04	3.82e-04
32	54	-0.22	-0.14	-0.32	-9.10e-05	4.22e-04	1.05e-03
32	55	0.15	0.34	-0.27	-3.73e-04	-2.08e-04	-1.19e-03
32	56	0.21	-0.48	-0.20	1.04e-03	-9.24e-05	-3.74e-04
32	57	-0.27	0.68	-0.40	-1.54e-03	3.27e-04	3.08e-04
32	58	-0.22	-0.14	-0.32	-1.24e-04	4.42e-04	1.13e-03
32	59	-0.05	1.42	-0.42	-2.55e-03	-8.33e-05	-1.37e-03
32	60	0.11	-1.32	-0.14	2.38e-03	1.67e-04	8.71e-04

32	61	-0.17	1.52	-0.46	-2.88e-03	6.77e-05	-9.37e-04
32	62	-0.01	-1.22	-0.18	2.05e-03	3.18e-04	1.30e-03
32	63	-0.05	1.42	-0.42	-2.54e-03	-8.80e-05	-1.38e-03
32	64	0.11	-1.32	-0.14	2.39e-03	1.62e-04	8.61e-04
32	65	-0.17	1.52	-0.46	-2.89e-03	7.24e-05	-9.27e-04
32	66	-0.02	-1.22	-0.18	2.04e-03	3.23e-04	1.31e-03
32	67	-0.05	1.41	-0.41	-2.44e-03	-1.50e-04	-1.61e-03
32	68	0.12	-1.32	-0.15	2.27e-03	2.34e-04	1.12e-03
32	69	-0.18	1.52	-0.45	-2.77e-03	0.0	-1.18e-03
32	70	-6.30e-03	-1.21	-0.19	1.94e-03	3.85e-04	1.55e-03
32	71	-0.05	1.41	-0.41	-2.43e-03	-1.55e-04	-1.62e-03
32	72	0.12	-1.32	-0.15	2.28e-03	2.29e-04	1.11e-03
32	73	-0.18	1.52	-0.45	-2.78e-03	5.61e-06	-1.17e-03
32	74	-8.45e-03	-1.21	-0.19	1.93e-03	3.90e-04	1.56e-03
32	75	0.12	0.30	-0.29	-3.98e-04	-1.22e-04	-9.02e-04
32	76	0.16	-0.38	-0.22	8.24e-04	-5.97e-05	-3.48e-04
32	77	-0.22	0.59	-0.38	-1.32e-03	2.95e-04	2.82e-04
32	78	-0.18	-0.09	-0.31	-9.80e-05	3.57e-04	8.36e-04
32	79	0.12	0.29	-0.28	-3.71e-04	-1.39e-04	-9.63e-04
32	80	0.16	-0.38	-0.22	7.97e-04	-4.32e-05	-2.87e-04
32	81	-0.22	0.58	-0.38	-1.29e-03	2.78e-04	2.21e-04
32	82	-0.18	-0.09	-0.32	-1.25e-04	3.73e-04	8.97e-04
32	83	0.12	0.30	-0.28	-3.78e-04	-1.35e-04	-9.31e-04
32	84	0.16	-0.38	-0.21	8.44e-04	-7.28e-05	-3.76e-04
32	85	-0.22	0.58	-0.39	-1.34e-03	3.08e-04	3.10e-04
32	86	-0.19	-0.10	-0.32	-1.19e-04	3.70e-04	8.65e-04
32	87	0.12	0.30	-0.28	-3.51e-04	-1.52e-04	-9.92e-04
32	88	0.16	-0.38	-0.22	8.17e-04	-5.63e-05	-3.15e-04
32	89	-0.23	0.58	-0.38	-1.31e-03	2.91e-04	2.49e-04
32	90	-0.18	-0.10	-0.32	-1.46e-04	3.86e-04	9.26e-04
32	91	-0.04	1.19	-0.40	-2.15e-03	-4.88e-05	-1.14e-03
32	92	0.08	-1.08	-0.17	1.93e-03	1.59e-04	7.14e-04
32	93	-0.15	1.28	-0.43	-2.42e-03	7.61e-05	-7.80e-04
32	94	-0.02	-0.99	-0.20	1.65e-03	2.84e-04	1.07e-03
32	95	-0.04	1.19	-0.40	-2.14e-03	-5.28e-05	-1.14e-03
32	96	0.09	-1.08	-0.17	1.93e-03	1.55e-04	7.05e-04
32	97	-0.15	1.28	-0.43	-2.43e-03	8.01e-05	-7.71e-04
32	98	-0.02	-0.99	-0.20	1.64e-03	2.88e-04	1.08e-03
32	99	-0.05	1.18	-0.39	-2.06e-03	-1.04e-04	-1.34e-03
32	100	0.09	-1.07	-0.18	1.84e-03	2.14e-04	9.16e-04
32	101	-0.15	1.27	-0.42	-2.33e-03	2.10e-05	-9.82e-04
32	102	-0.01	-0.98	-0.21	1.56e-03	3.39e-04	1.27e-03
32	103	-0.05	1.19	-0.39	-2.05e-03	-1.08e-04	-1.35e-03
32	104	0.09	-1.07	-0.18	1.84e-03	2.10e-04	9.08e-04
32	105	-0.15	1.27	-0.42	-2.34e-03	2.49e-05	-9.74e-04
32	106	-0.01	-0.98	-0.21	1.55e-03	3.43e-04	1.28e-03
33	1	-0.02	0.03	-0.28	-1.34e-04	-5.63e-05	-3.15e-05
33	2	-0.06	0.10	-0.42	-4.68e-04	-2.44e-04	-1.29e-05
33	3	-0.01	0.02	-0.21	-9.65e-05	-3.98e-05	-2.46e-05
33	4	-0.05	0.09	-0.35	-4.31e-04	-2.28e-04	-6.00e-06
33	5	-0.01	0.02	-0.21	-1.00e-04	-4.18e-05	-2.44e-05
33	6	-0.04	0.07	-0.31	-3.23e-04	-1.67e-04	-1.20e-05
33	7	-0.01	0.02	-0.21	-1.00e-04	-4.18e-05	-2.44e-05
33	8	-0.03	0.06	-0.28	-2.56e-04	-1.30e-04	-1.57e-05
33	9	-0.01	0.02	-0.21	-1.00e-04	-4.18e-05	-2.44e-05
33	10	-0.03	0.05	-0.27	-2.34e-04	-1.17e-04	-1.70e-05
33	11	0.06	0.19	-0.19	-6.47e-04	1.99e-04	-1.17e-03
33	12	0.12	-0.34	-0.26	1.32e-03	4.98e-04	-6.73e-04
33	13	-0.18	0.44	-0.28	-1.79e-03	-7.32e-04	6.39e-04
33	14	-0.12	-0.09	-0.35	1.79e-04	-4.33e-04	1.13e-03
33	15	0.06	0.19	-0.19	-6.22e-04	1.87e-04	-1.26e-03
33	16	0.13	-0.34	-0.26	1.30e-03	5.09e-04	-5.79e-04
33	17	-0.18	0.44	-0.28	-1.77e-03	-7.43e-04	5.45e-04
33	18	-0.12	-0.09	-0.35	1.55e-04	-4.21e-04	1.23e-03
33	19	0.06	0.19	-0.19	-6.32e-04	1.87e-04	-1.21e-03
33	20	0.12	-0.34	-0.26	1.34e-03	4.86e-04	-7.18e-04
33	21	-0.18	0.44	-0.28	-1.81e-03	-7.20e-04	6.84e-04
33	22	-0.11	-0.09	-0.35	1.64e-04	-4.21e-04	1.18e-03
33	23	0.05	0.19	-0.20	-6.08e-04	1.75e-04	-1.31e-03
33	24	0.12	-0.34	-0.26	1.31e-03	4.97e-04	-6.25e-04
33	25	-0.18	0.44	-0.28	-1.78e-03	-7.31e-04	5.91e-04
33	26	-0.11	-0.09	-0.34	1.40e-04	-4.09e-04	1.27e-03

33	27	-0.10	0.90	-0.14	-3.35e-03	-4.76e-04	-1.11e-03
33	28	0.11	-0.87	-0.37	3.22e-03	5.22e-04	5.38e-04
33	29	-0.17	0.98	-0.17	-3.69e-03	-7.56e-04	-5.72e-04
33	30	0.04	-0.80	-0.40	2.88e-03	2.42e-04	1.08e-03
33	31	-0.10	0.90	-0.14	-3.34e-03	-4.80e-04	-1.13e-03
33	32	0.11	-0.87	-0.37	3.23e-03	5.18e-04	5.25e-04
33	33	-0.17	0.98	-0.16	-3.70e-03	-7.52e-04	-5.58e-04
33	34	0.04	-0.80	-0.40	2.88e-03	2.46e-04	1.09e-03
33	35	-0.11	0.89	-0.15	-3.27e-03	-5.14e-04	-1.43e-03
33	36	0.12	-0.86	-0.37	3.14e-03	5.59e-04	8.49e-04
33	37	-0.18	0.97	-0.17	-3.61e-03	-7.93e-04	-8.83e-04
33	38	0.05	-0.79	-0.39	2.80e-03	2.80e-04	1.39e-03
33	39	-0.11	0.89	-0.15	-3.26e-03	-5.17e-04	-1.44e-03
33	40	0.12	-0.86	-0.37	3.15e-03	5.55e-04	8.35e-04
33	41	-0.18	0.97	-0.17	-3.61e-03	-7.89e-04	-8.69e-04
33	42	0.05	-0.79	-0.39	2.79e-03	2.83e-04	1.41e-03
33	43	0.04	0.16	-0.21	-5.63e-04	1.31e-04	-9.26e-04
33	44	0.09	-0.26	-0.26	1.00e-03	3.68e-04	-5.34e-04
33	45	-0.15	0.36	-0.28	-1.47e-03	-6.02e-04	5.00e-04
33	46	-0.10	-0.06	-0.33	9.51e-05	-3.65e-04	8.92e-04
33	47	0.04	0.16	-0.21	-5.43e-04	1.22e-04	-1.00e-03
33	48	0.09	-0.26	-0.26	9.80e-04	3.77e-04	-4.60e-04
33	49	-0.15	0.36	-0.28	-1.45e-03	-6.11e-04	4.26e-04
33	50	-0.10	-0.06	-0.33	7.54e-05	-3.56e-04	9.66e-04
33	51	0.04	0.16	-0.21	-5.52e-04	1.21e-04	-9.62e-04
33	52	0.09	-0.26	-0.27	1.01e-03	3.58e-04	-5.70e-04
33	53	-0.14	0.36	-0.27	-1.48e-03	-5.92e-04	5.36e-04
33	54	-0.09	-0.06	-0.33	8.36e-05	-3.55e-04	9.28e-04
33	55	0.04	0.16	-0.21	-5.32e-04	1.12e-04	-1.04e-03
33	56	0.09	-0.25	-0.26	9.92e-04	3.67e-04	-4.96e-04
33	57	-0.15	0.36	-0.28	-1.46e-03	-6.01e-04	4.62e-04
33	58	-0.09	-0.06	-0.33	6.39e-05	-3.46e-04	1.00e-03
33	59	-0.08	0.73	-0.17	-2.70e-03	-4.02e-04	-8.84e-04
33	60	0.08	-0.68	-0.35	2.51e-03	3.88e-04	4.23e-04
33	61	-0.14	0.79	-0.19	-2.97e-03	-6.22e-04	-4.56e-04
33	62	0.03	-0.62	-0.37	2.24e-03	1.68e-04	8.50e-04
33	63	-0.08	0.73	-0.17	-2.70e-03	-4.05e-04	-8.95e-04
33	64	0.08	-0.68	-0.35	2.51e-03	3.85e-04	4.12e-04
33	65	-0.14	0.79	-0.19	-2.98e-03	-6.19e-04	-4.46e-04
33	66	0.03	-0.62	-0.37	2.23e-03	1.71e-04	8.61e-04
33	67	-0.09	0.72	-0.17	-2.64e-03	-4.32e-04	-1.13e-03
33	68	0.09	-0.67	-0.35	2.44e-03	4.18e-04	6.69e-04
33	69	-0.15	0.78	-0.19	-2.91e-03	-6.52e-04	-7.03e-04
33	70	0.03	-0.61	-0.37	2.17e-03	1.98e-04	1.10e-03
33	71	-0.09	0.72	-0.17	-2.63e-03	-4.35e-04	-1.14e-03
33	72	0.09	-0.67	-0.35	2.44e-03	4.15e-04	6.59e-04
33	73	-0.15	0.78	-0.19	-2.91e-03	-6.49e-04	-6.92e-04
33	74	0.03	-0.61	-0.37	2.17e-03	2.01e-04	1.11e-03
33	75	0.03	0.14	-0.22	-5.06e-04	8.86e-05	-7.69e-04
33	76	0.07	-0.20	-0.26	7.86e-04	2.85e-04	-4.45e-04
33	77	-0.13	0.31	-0.28	-1.25e-03	-5.19e-04	4.11e-04
33	78	-0.09	-0.04	-0.32	3.75e-05	-3.23e-04	7.35e-04
33	79	0.03	0.14	-0.22	-4.89e-04	8.13e-05	-8.30e-04
33	80	0.07	-0.20	-0.26	7.70e-04	2.92e-04	-3.84e-04
33	81	-0.13	0.31	-0.28	-1.24e-03	-5.26e-04	3.50e-04
33	82	-0.08	-0.04	-0.32	2.13e-05	-3.15e-04	7.96e-04
33	83	0.03	0.15	-0.22	-4.96e-04	8.01e-05	-7.99e-04
33	84	0.07	-0.20	-0.27	7.96e-04	2.76e-04	-4.75e-04
33	85	-0.12	0.31	-0.27	-1.26e-03	-5.10e-04	4.41e-04
33	86	-0.08	-0.04	-0.32	2.81e-05	-3.14e-04	7.65e-04
33	87	0.02	0.14	-0.22	-4.80e-04	7.27e-05	-8.60e-04
33	88	0.07	-0.20	-0.26	7.79e-04	2.83e-04	-4.13e-04
33	89	-0.13	0.31	-0.27	-1.25e-03	-5.18e-04	3.80e-04
33	90	-0.08	-0.04	-0.32	1.18e-05	-3.07e-04	8.26e-04
33	91	-0.07	0.61	-0.18	-2.27e-03	-3.53e-04	-7.34e-04
33	92	0.06	-0.55	-0.34	2.03e-03	3.01e-04	3.46e-04
33	93	-0.12	0.66	-0.20	-2.50e-03	-5.35e-04	-3.80e-04
33	94	0.02	-0.50	-0.36	1.81e-03	1.19e-04	7.00e-04
33	95	-0.07	0.61	-0.18	-2.27e-03	-3.55e-04	-7.43e-04
33	96	0.06	-0.55	-0.34	2.03e-03	2.98e-04	3.37e-04
33	97	-0.12	0.66	-0.20	-2.50e-03	-5.32e-04	-3.71e-04
33	98	0.02	-0.50	-0.35	1.80e-03	1.21e-04	7.09e-04

33	99	-0.08	0.60	-0.19	-2.22e-03	-3.77e-04	-9.38e-04
33	100	0.07	-0.55	-0.33	1.98e-03	3.25e-04	5.50e-04
33	101	-0.13	0.65	-0.21	-2.44e-03	-5.59e-04	-5.84e-04
33	102	0.02	-0.50	-0.35	1.75e-03	1.43e-04	9.04e-04
33	103	-0.08	0.60	-0.19	-2.22e-03	-3.80e-04	-9.47e-04
33	104	0.07	-0.55	-0.33	1.98e-03	3.23e-04	5.41e-04
33	105	-0.13	0.65	-0.21	-2.45e-03	-5.57e-04	-5.75e-04
33	106	0.02	-0.50	-0.35	1.75e-03	1.46e-04	9.13e-04
34	1	-0.01	0.03	-0.29	-1.31e-04	-3.73e-05	-3.15e-05
34	2	-0.06	0.10	-0.48	-4.65e-04	-2.36e-04	-1.29e-05
34	3	-8.91e-03	0.02	-0.22	-9.43e-05	-2.50e-05	-2.46e-05
34	4	-0.05	0.09	-0.41	-4.29e-04	-2.23e-04	-5.99e-06
34	5	-9.38e-03	0.02	-0.22	-9.79e-05	-2.71e-05	-2.44e-05
34	6	-0.04	0.07	-0.35	-3.21e-04	-1.59e-04	-1.20e-05
34	7	-9.38e-03	0.02	-0.22	-9.79e-05	-2.71e-05	-2.44e-05
34	8	-0.03	0.06	-0.31	-2.54e-04	-1.20e-04	-1.57e-05
34	9	-9.38e-03	0.02	-0.22	-9.79e-05	-2.71e-05	-2.44e-05
34	10	-0.03	0.05	-0.30	-2.32e-04	-1.06e-04	-1.69e-05
34	11	0.12	0.19	-0.28	-6.45e-04	5.40e-04	-1.17e-03
34	12	0.16	-0.34	-0.17	1.33e-03	7.08e-04	-6.73e-04
34	13	-0.21	0.44	-0.42	-1.79e-03	-9.21e-04	6.39e-04
34	14	-0.17	-0.09	-0.32	1.82e-04	-7.53e-04	1.13e-03
34	15	0.12	0.19	-0.28	-6.20e-04	5.24e-04	-1.26e-03
34	16	0.16	-0.34	-0.18	1.30e-03	7.25e-04	-5.79e-04
34	17	-0.21	0.44	-0.42	-1.76e-03	-9.38e-04	5.45e-04
34	18	-0.17	-0.09	-0.32	1.57e-04	-7.37e-04	1.23e-03
34	19	0.12	0.19	-0.27	-6.30e-04	5.79e-04	-1.21e-03
34	20	0.16	-0.34	-0.17	1.34e-03	7.47e-04	-7.18e-04
34	21	-0.22	0.44	-0.43	-1.80e-03	-9.60e-04	6.84e-04
34	22	-0.18	-0.09	-0.32	1.67e-04	-7.92e-04	1.18e-03
34	23	0.12	0.19	-0.27	-6.05e-04	5.63e-04	-1.31e-03
34	24	0.16	-0.34	-0.17	1.32e-03	7.64e-04	-6.25e-04
34	25	-0.22	0.44	-0.42	-1.78e-03	-9.76e-04	5.91e-04
34	26	-0.18	-0.09	-0.33	1.42e-04	-7.76e-04	1.27e-03
34	27	-0.04	0.90	-0.45	-3.35e-03	-1.67e-04	-1.11e-03
34	28	0.09	-0.87	-0.10	3.23e-03	3.93e-04	5.38e-04
34	29	-0.14	0.98	-0.50	-3.69e-03	-6.06e-04	-5.72e-04
34	30	-0.01	-0.80	-0.14	2.88e-03	-4.57e-05	1.08e-03
34	31	-0.04	0.90	-0.45	-3.34e-03	-1.55e-04	-1.13e-03
34	32	0.09	-0.87	-0.10	3.23e-03	4.04e-04	5.25e-04
34	33	-0.14	0.98	-0.50	-3.69e-03	-6.17e-04	-5.58e-04
34	34	-0.01	-0.80	-0.15	2.88e-03	-5.73e-05	1.09e-03
34	35	-0.05	0.89	-0.44	-3.26e-03	-2.22e-04	-1.43e-03
34	36	0.09	-0.86	-0.11	3.14e-03	4.47e-04	8.49e-04
34	37	-0.15	0.97	-0.48	-3.61e-03	-6.60e-04	-8.83e-04
34	38	-5.81e-03	-0.79	-0.16	2.80e-03	8.98e-06	1.39e-03
34	39	-0.05	0.89	-0.44	-3.26e-03	-2.10e-04	-1.44e-03
34	40	0.09	-0.86	-0.11	3.15e-03	4.59e-04	8.35e-04
34	41	-0.15	0.97	-0.48	-3.61e-03	-6.72e-04	-8.69e-04
34	42	-7.90e-03	-0.79	-0.16	2.80e-03	-2.64e-06	1.41e-03
34	43	0.09	0.16	-0.28	-5.61e-04	4.06e-04	-9.26e-04
34	44	0.12	-0.26	-0.20	1.00e-03	5.39e-04	-5.34e-04
34	45	-0.17	0.36	-0.40	-1.47e-03	-7.52e-04	5.00e-04
34	46	-0.14	-0.06	-0.31	9.75e-05	-6.19e-04	8.92e-04
34	47	0.09	0.16	-0.28	-5.41e-04	3.93e-04	-1.00e-03
34	48	0.12	-0.26	-0.20	9.82e-04	5.52e-04	-4.60e-04
34	49	-0.17	0.36	-0.39	-1.45e-03	-7.65e-04	4.26e-04
34	50	-0.14	-0.06	-0.32	7.78e-05	-6.06e-04	9.66e-04
34	51	0.09	0.16	-0.28	-5.49e-04	4.37e-04	-9.62e-04
34	52	0.12	-0.26	-0.20	1.01e-03	5.70e-04	-5.70e-04
34	53	-0.18	0.36	-0.40	-1.48e-03	-7.83e-04	5.36e-04
34	54	-0.15	-0.06	-0.32	8.60e-05	-6.50e-04	9.28e-04
34	55	0.09	0.16	-0.28	-5.30e-04	4.24e-04	-1.04e-03
34	56	0.12	-0.25	-0.20	9.94e-04	5.83e-04	-4.96e-04
34	57	-0.18	0.36	-0.40	-1.46e-03	-7.96e-04	4.62e-04
34	58	-0.14	-0.06	-0.32	6.63e-05	-6.37e-04	1.00e-03
34	59	-0.04	0.73	-0.42	-2.70e-03	-1.54e-04	-8.84e-04
34	60	0.06	-0.68	-0.14	2.51e-03	2.89e-04	4.23e-04
34	61	-0.12	0.79	-0.45	-2.97e-03	-5.02e-04	-4.56e-04
34	62	-0.01	-0.62	-0.18	2.24e-03	-5.87e-05	8.50e-04
34	63	-0.04	0.73	-0.42	-2.70e-03	-1.45e-04	-8.95e-04
34	64	0.07	-0.68	-0.14	2.51e-03	2.98e-04	4.12e-04

34	65	-0.12	0.79	-0.46	-2.98e-03	-5.11e-04	-4.46e-04
34	66	-0.02	-0.62	-0.18	2.23e-03	-6.79e-05	8.61e-04
34	67	-0.04	0.72	-0.41	-2.63e-03	-1.98e-04	-1.13e-03
34	68	0.07	-0.67	-0.15	2.44e-03	3.32e-04	6.69e-04
34	69	-0.12	0.78	-0.44	-2.91e-03	-5.45e-04	-7.03e-04
34	70	-0.01	-0.61	-0.19	2.17e-03	-1.53e-05	1.10e-03
34	71	-0.04	0.72	-0.41	-2.63e-03	-1.88e-04	-1.14e-03
34	72	0.07	-0.67	-0.15	2.45e-03	3.41e-04	6.59e-04
34	73	-0.12	0.78	-0.45	-2.91e-03	-5.54e-04	-6.92e-04
34	74	-0.01	-0.61	-0.19	2.17e-03	-2.45e-05	1.11e-03
34	75	0.07	0.14	-0.29	-5.03e-04	3.17e-04	-7.69e-04
34	76	0.09	-0.20	-0.22	7.88e-04	4.27e-04	-4.45e-04
34	77	-0.15	0.31	-0.38	-1.25e-03	-6.40e-04	4.11e-04
34	78	-0.12	-0.04	-0.31	4.00e-05	-5.30e-04	7.35e-04
34	79	0.07	0.14	-0.28	-4.87e-04	3.07e-04	-8.30e-04
34	80	0.09	-0.20	-0.22	7.72e-04	4.38e-04	-3.84e-04
34	81	-0.15	0.31	-0.38	-1.24e-03	-6.51e-04	3.50e-04
34	82	-0.12	-0.04	-0.31	2.37e-05	-5.19e-04	7.96e-04
34	83	0.07	0.15	-0.28	-4.94e-04	3.43e-04	-7.99e-04
34	84	0.10	-0.20	-0.21	7.98e-04	4.53e-04	-4.75e-04
34	85	-0.15	0.31	-0.38	-1.26e-03	-6.65e-04	4.41e-04
34	86	-0.13	-0.04	-0.31	3.05e-05	-5.56e-04	7.65e-04
34	87	0.07	0.14	-0.28	-4.77e-04	3.32e-04	-8.60e-04
34	88	0.10	-0.20	-0.22	7.81e-04	4.63e-04	-4.13e-04
34	89	-0.15	0.31	-0.38	-1.24e-03	-6.76e-04	3.80e-04
34	90	-0.12	-0.04	-0.32	1.43e-05	-5.45e-04	8.26e-04
34	91	-0.04	0.61	-0.40	-2.27e-03	-1.46e-04	-7.34e-04
34	92	0.05	-0.55	-0.17	2.03e-03	2.20e-04	3.46e-04
34	93	-0.10	0.66	-0.43	-2.50e-03	-4.33e-04	-3.80e-04
34	94	-0.02	-0.50	-0.20	1.81e-03	-6.70e-05	7.00e-04
34	95	-0.04	0.61	-0.40	-2.27e-03	-1.38e-04	-7.43e-04
34	96	0.05	-0.55	-0.17	2.04e-03	2.28e-04	3.37e-04
34	97	-0.10	0.66	-0.43	-2.50e-03	-4.41e-04	-3.71e-04
34	98	-0.02	-0.50	-0.20	1.81e-03	-7.46e-05	7.09e-04
34	99	-0.04	0.60	-0.39	-2.22e-03	-1.82e-04	-9.38e-04
34	100	0.05	-0.55	-0.18	1.98e-03	2.56e-04	5.50e-04
34	101	-0.10	0.65	-0.42	-2.44e-03	-4.69e-04	-5.84e-04
34	102	-0.01	-0.50	-0.21	1.75e-03	-3.11e-05	9.04e-04
34	103	-0.04	0.60	-0.39	-2.21e-03	-1.74e-04	-9.47e-04
34	104	0.05	-0.55	-0.18	1.98e-03	2.64e-04	5.41e-04
34	105	-0.11	0.65	-0.42	-2.44e-03	-4.77e-04	-5.75e-04
34	106	-0.01	-0.50	-0.21	1.75e-03	-3.87e-05	9.13e-04
35	1	-0.02	0.06	-0.28	-1.38e-04	1.01e-04	-4.60e-05
35	2	-0.07	0.20	-0.44	-5.91e-04	7.39e-04	-4.12e-05
35	3	-0.01	0.04	-0.21	-9.77e-05	6.55e-05	-3.55e-05
35	4	-0.06	0.18	-0.37	-5.50e-04	7.04e-04	-3.07e-05
35	5	-0.01	0.05	-0.22	-1.03e-04	7.23e-05	-3.54e-05
35	6	-0.05	0.14	-0.32	-4.04e-04	4.98e-04	-3.23e-05
35	7	-0.01	0.05	-0.22	-1.03e-04	7.23e-05	-3.54e-05
35	8	-0.04	0.11	-0.29	-3.14e-04	3.70e-04	-3.32e-05
35	9	-0.01	0.05	-0.22	-1.03e-04	7.23e-05	-3.54e-05
35	10	-0.03	0.10	-0.28	-2.84e-04	3.28e-04	-3.35e-05
35	11	0.11	0.36	-0.18	2.90e-05	-2.58e-05	-1.35e-03
35	12	0.22	-0.65	-0.25	1.73e-03	-1.47e-04	-5.08e-04
35	13	-0.29	0.85	-0.30	-2.30e-03	8.03e-04	4.41e-04
35	14	-0.18	-0.16	-0.37	-5.96e-04	6.81e-04	1.29e-03
35	15	0.11	0.35	-0.19	1.24e-04	1.03e-05	-1.45e-03
35	16	0.22	-0.65	-0.25	1.64e-03	-1.83e-04	-4.16e-04
35	17	-0.29	0.85	-0.31	-2.21e-03	8.39e-04	3.49e-04
35	18	-0.18	-0.16	-0.37	-6.92e-04	6.45e-04	1.38e-03
35	19	0.11	0.36	-0.19	9.78e-05	8.20e-04	-1.40e-03
35	20	0.22	-0.65	-0.26	1.80e-03	6.98e-04	-5.51e-04
35	21	-0.29	0.85	-0.30	-2.37e-03	-4.28e-05	4.84e-04
35	22	-0.18	-0.16	-0.37	-6.65e-04	-1.64e-04	1.33e-03
35	23	0.11	0.35	-0.19	1.93e-04	8.56e-04	-1.49e-03
35	24	0.22	-0.65	-0.25	1.71e-03	6.62e-04	-4.59e-04
35	25	-0.29	0.85	-0.30	-2.27e-03	-6.69e-06	3.92e-04
35	26	-0.18	-0.16	-0.37	-7.60e-04	-2.00e-04	1.42e-03
35	27	-0.16	1.71	-0.14	-2.78e-03	4.06e-04	-1.71e-03
35	28	0.21	-1.66	-0.38	2.91e-03	1.01e-06	1.11e-03
35	29	-0.27	1.86	-0.18	-3.48e-03	6.54e-04	-1.18e-03
35	30	0.09	-1.51	-0.41	2.21e-03	2.50e-04	1.65e-03

35	31	-0.16	1.71	-0.15	-2.76e-03	6.60e-04	-1.73e-03
35	32	0.21	-1.66	-0.38	2.93e-03	2.55e-04	1.10e-03
35	33	-0.27	1.86	-0.18	-3.50e-03	4.01e-04	-1.16e-03
35	34	0.09	-1.51	-0.41	2.19e-03	-4.09e-06	1.66e-03
35	35	-0.16	1.69	-0.16	-2.46e-03	5.26e-04	-2.02e-03
35	36	0.21	-1.64	-0.36	2.59e-03	-1.19e-04	1.41e-03
35	37	-0.28	1.84	-0.19	-3.16e-03	7.75e-04	-1.48e-03
35	38	0.09	-1.50	-0.40	1.89e-03	1.29e-04	1.95e-03
35	39	-0.16	1.69	-0.16	-2.44e-03	7.80e-04	-2.03e-03
35	40	0.21	-1.64	-0.37	2.61e-03	1.34e-04	1.40e-03
35	41	-0.28	1.84	-0.19	-3.18e-03	5.21e-04	-1.47e-03
35	42	0.09	-1.50	-0.40	1.87e-03	-1.24e-04	1.97e-03
35	43	0.08	0.31	-0.20	-3.98e-05	4.91e-05	-1.08e-03
35	44	0.16	-0.50	-0.26	1.31e-03	-4.53e-05	-4.08e-04
35	45	-0.23	0.69	-0.30	-1.88e-03	7.01e-04	3.41e-04
35	46	-0.15	-0.11	-0.35	-5.28e-04	6.06e-04	1.01e-03
35	47	0.08	0.30	-0.21	3.59e-05	7.81e-05	-1.15e-03
35	48	0.17	-0.49	-0.26	1.24e-03	-7.42e-05	-3.35e-04
35	49	-0.23	0.69	-0.30	-1.80e-03	7.30e-04	2.68e-04
35	50	-0.15	-0.10	-0.35	-6.03e-04	5.77e-04	1.08e-03
35	51	0.08	0.31	-0.21	1.40e-05	7.14e-04	-1.11e-03
35	52	0.16	-0.50	-0.26	1.36e-03	6.19e-04	-4.42e-04
35	53	-0.23	0.70	-0.29	-1.93e-03	3.62e-05	3.75e-04
35	54	-0.15	-0.11	-0.35	-5.81e-04	-5.82e-05	1.05e-03
35	55	0.08	0.30	-0.21	8.97e-05	7.43e-04	-1.19e-03
35	56	0.17	-0.49	-0.26	1.29e-03	5.90e-04	-3.69e-04
35	57	-0.23	0.69	-0.30	-1.86e-03	6.52e-05	3.02e-04
35	58	-0.15	-0.10	-0.35	-6.57e-04	-8.71e-05	1.12e-03
35	59	-0.13	1.38	-0.17	-2.26e-03	3.87e-04	-1.36e-03
35	60	0.16	-1.30	-0.36	2.24e-03	7.27e-05	8.72e-04
35	61	-0.22	1.50	-0.20	-2.81e-03	5.83e-04	-9.39e-04
35	62	0.06	-1.18	-0.39	1.69e-03	2.68e-04	1.30e-03
35	63	-0.13	1.38	-0.17	-2.24e-03	5.87e-04	-1.37e-03
35	64	0.16	-1.30	-0.36	2.26e-03	2.72e-04	8.61e-04
35	65	-0.22	1.50	-0.20	-2.83e-03	3.83e-04	-9.29e-04
35	66	0.06	-1.18	-0.38	1.68e-03	6.88e-05	1.31e-03
35	67	-0.13	1.36	-0.18	-2.01e-03	4.84e-04	-1.61e-03
35	68	0.16	-1.28	-0.35	1.99e-03	-2.38e-05	1.11e-03
35	69	-0.23	1.48	-0.21	-2.56e-03	6.79e-04	-1.18e-03
35	70	0.06	-1.16	-0.37	1.44e-03	1.72e-04	1.54e-03
35	71	-0.13	1.36	-0.18	-1.99e-03	6.83e-04	-1.62e-03
35	72	0.16	-1.28	-0.35	2.01e-03	1.75e-04	1.10e-03
35	73	-0.23	1.48	-0.21	-2.57e-03	4.80e-04	-1.17e-03
35	74	0.06	-1.16	-0.37	1.42e-03	-2.77e-05	1.55e-03
35	75	0.06	0.27	-0.22	-8.10e-05	9.69e-05	-8.98e-04
35	76	0.13	-0.39	-0.26	1.04e-03	1.87e-05	-3.43e-04
35	77	-0.20	0.59	-0.29	-1.60e-03	6.37e-04	2.76e-04
35	78	-0.13	-0.07	-0.34	-4.86e-04	5.59e-04	8.31e-04
35	79	0.06	0.27	-0.22	-1.84e-05	1.21e-04	-9.58e-04
35	80	0.13	-0.39	-0.26	9.73e-04	-5.21e-06	-2.83e-04
35	81	-0.20	0.59	-0.30	-1.54e-03	6.61e-04	2.16e-04
35	82	-0.13	-0.07	-0.34	-5.49e-04	5.35e-04	8.91e-04
35	83	0.06	0.27	-0.22	-3.68e-05	6.47e-04	-9.26e-04
35	84	0.13	-0.39	-0.27	1.08e-03	5.69e-04	-3.71e-04
35	85	-0.20	0.59	-0.29	-1.65e-03	8.63e-05	3.04e-04
35	86	-0.13	-0.07	-0.34	-5.31e-04	8.11e-06	8.59e-04
35	87	0.06	0.27	-0.22	2.58e-05	6.71e-04	-9.86e-04
35	88	0.13	-0.39	-0.26	1.02e-03	5.45e-04	-3.11e-04
35	89	-0.20	0.59	-0.29	-1.58e-03	1.10e-04	2.44e-04
35	90	-0.13	-0.07	-0.33	-5.93e-04	-1.58e-05	9.19e-04
35	91	-0.11	1.16	-0.19	-1.92e-03	3.77e-04	-1.13e-03
35	92	0.12	-1.05	-0.34	1.81e-03	1.16e-04	7.14e-04
35	93	-0.19	1.25	-0.21	-2.37e-03	5.39e-04	-7.82e-04
35	94	0.05	-0.96	-0.37	1.35e-03	2.78e-04	1.07e-03
35	95	-0.11	1.16	-0.19	-1.90e-03	5.42e-04	-1.14e-03
35	96	0.12	-1.05	-0.34	1.82e-03	2.82e-04	7.06e-04
35	97	-0.19	1.25	-0.21	-2.39e-03	3.74e-04	-7.73e-04
35	98	0.05	-0.96	-0.37	1.34e-03	1.13e-04	1.08e-03
35	99	-0.12	1.14	-0.20	-1.71e-03	4.57e-04	-1.33e-03
35	100	0.12	-1.04	-0.33	1.60e-03	3.68e-05	9.15e-04
35	101	-0.19	1.24	-0.22	-2.16e-03	6.19e-04	-9.82e-04
35	102	0.05	-0.95	-0.36	1.14e-03	1.99e-04	1.27e-03

35	103	-0.12	1.14	-0.20	-1.69e-03	6.22e-04	-1.34e-03
35	104	0.12	-1.04	-0.34	1.61e-03	2.02e-04	9.06e-04
35	105	-0.19	1.24	-0.22	-2.18e-03	4.54e-04	-9.73e-04
35	106	0.05	-0.95	-0.36	1.13e-03	3.36e-05	1.28e-03
36	1	-0.02	0.06	-0.30	-1.29e-04	8.24e-05	-4.63e-05
36	2	-0.06	0.20	-0.50	-5.82e-04	7.58e-04	-4.13e-05
36	3	-0.01	0.04	-0.22	-9.10e-05	5.07e-05	-3.57e-05
36	4	-0.06	0.18	-0.43	-5.44e-04	7.26e-04	-3.07e-05
36	5	-0.01	0.05	-0.23	-9.58e-05	5.79e-05	-3.57e-05
36	6	-0.04	0.14	-0.36	-3.98e-04	5.08e-04	-3.23e-05
36	7	-0.01	0.05	-0.23	-9.58e-05	5.79e-05	-3.57e-05
36	8	-0.03	0.11	-0.32	-3.07e-04	3.73e-04	-3.33e-05
36	9	-0.01	0.05	-0.23	-9.58e-05	5.79e-05	-3.57e-05
36	10	-0.03	0.10	-0.31	-2.77e-04	3.28e-04	-3.37e-05
36	11	0.20	0.36	-0.27	3.57e-05	-1.79e-05	-1.35e-03
36	12	0.26	-0.65	-0.17	1.74e-03	-1.28e-04	-5.08e-04
36	13	-0.32	0.85	-0.45	-2.29e-03	7.85e-04	4.40e-04
36	14	-0.26	-0.16	-0.34	-5.90e-04	6.74e-04	1.29e-03
36	15	0.19	0.35	-0.27	1.31e-04	-1.55e-04	-1.45e-03
36	16	0.26	-0.65	-0.17	1.65e-03	8.48e-06	-4.16e-04
36	17	-0.32	0.85	-0.44	-2.20e-03	6.48e-04	3.49e-04
36	18	-0.25	-0.16	-0.35	-6.85e-04	8.11e-04	1.38e-03
36	19	0.21	0.36	-0.27	1.04e-04	-4.57e-05	-1.40e-03
36	20	0.26	-0.65	-0.16	1.81e-03	-1.56e-04	-5.51e-04
36	21	-0.33	0.85	-0.45	-2.36e-03	8.12e-04	4.84e-04
36	22	-0.27	-0.16	-0.35	-6.58e-04	7.02e-04	1.33e-03
36	23	0.20	0.35	-0.26	2.00e-04	-1.82e-04	-1.49e-03
36	24	0.27	-0.65	-0.17	1.71e-03	-1.93e-05	-4.59e-04
36	25	-0.33	0.85	-0.45	-2.27e-03	6.76e-04	3.92e-04
36	26	-0.26	-0.16	-0.35	-7.54e-04	8.39e-04	1.42e-03
36	27	-0.05	1.71	-0.46	-2.77e-03	3.92e-04	-1.71e-03
36	28	0.15	-1.66	-0.11	2.91e-03	2.40e-05	1.11e-03
36	29	-0.21	1.86	-0.51	-3.47e-03	6.32e-04	-1.18e-03
36	30	-8.81e-03	-1.51	-0.16	2.22e-03	2.65e-04	1.65e-03
36	31	-0.05	1.71	-0.45	-2.75e-03	3.83e-04	-1.73e-03
36	32	0.15	-1.66	-0.10	2.94e-03	1.57e-05	1.10e-03
36	33	-0.21	1.86	-0.51	-3.49e-03	6.41e-04	-1.16e-03
36	34	-0.01	-1.51	-0.16	2.20e-03	2.73e-04	1.66e-03
36	35	-0.06	1.69	-0.44	-2.45e-03	-6.39e-05	-2.02e-03
36	36	0.15	-1.64	-0.12	2.60e-03	4.80e-04	1.41e-03
36	37	-0.22	1.84	-0.49	-3.15e-03	1.77e-04	-1.48e-03
36	38	-1.30e-05	-1.50	-0.18	1.90e-03	7.20e-04	1.95e-03
36	39	-0.06	1.69	-0.44	-2.43e-03	-7.22e-05	-2.03e-03
36	40	0.16	-1.64	-0.12	2.62e-03	4.71e-04	1.40e-03
36	41	-0.22	1.84	-0.49	-3.17e-03	1.85e-04	-1.47e-03
36	42	-2.72e-03	-1.50	-0.18	1.88e-03	7.29e-04	1.97e-03
36	43	0.15	0.31	-0.28	-3.31e-05	5.43e-05	-1.08e-03
36	44	0.20	-0.50	-0.20	1.32e-03	-3.09e-05	-4.08e-04
36	45	-0.26	0.69	-0.42	-1.87e-03	6.87e-04	3.41e-04
36	46	-0.21	-0.11	-0.33	-5.21e-04	6.02e-04	1.01e-03
36	47	0.15	0.30	-0.28	4.27e-05	-5.21e-05	-1.15e-03
36	48	0.20	-0.49	-0.20	1.24e-03	7.56e-05	-3.35e-04
36	49	-0.26	0.69	-0.41	-1.80e-03	5.81e-04	2.68e-04
36	50	-0.21	-0.10	-0.34	-5.97e-04	7.09e-04	1.08e-03
36	51	0.16	0.31	-0.28	2.07e-05	3.24e-05	-1.11e-03
36	52	0.20	-0.50	-0.19	1.37e-03	-5.28e-05	-4.42e-04
36	53	-0.26	0.70	-0.42	-1.93e-03	7.09e-04	3.75e-04
36	54	-0.22	-0.11	-0.34	-5.75e-04	6.24e-04	1.05e-03
36	55	0.15	0.30	-0.27	9.65e-05	-7.41e-05	-1.19e-03
36	56	0.21	-0.49	-0.20	1.30e-03	5.36e-05	-3.69e-04
36	57	-0.27	0.69	-0.42	-1.85e-03	6.03e-04	3.02e-04
36	58	-0.22	-0.10	-0.34	-6.50e-04	7.30e-04	1.12e-03
36	59	-0.05	1.38	-0.43	-2.25e-03	3.75e-04	-1.36e-03
36	60	0.11	-1.30	-0.15	2.25e-03	9.12e-05	8.72e-04
36	61	-0.17	1.50	-0.47	-2.80e-03	5.65e-04	-9.39e-04
36	62	-0.01	-1.18	-0.19	1.70e-03	2.81e-04	1.30e-03
36	63	-0.05	1.38	-0.42	-2.24e-03	3.69e-04	-1.38e-03
36	64	0.11	-1.30	-0.15	2.27e-03	8.46e-05	8.61e-04
36	65	-0.17	1.50	-0.47	-2.82e-03	5.72e-04	-9.29e-04
36	66	-0.02	-1.18	-0.19	1.68e-03	2.88e-04	1.31e-03
36	67	-0.05	1.36	-0.41	-2.00e-03	2.04e-05	-1.61e-03
36	68	0.12	-1.28	-0.16	2.00e-03	4.46e-04	1.11e-03

36	69	-0.18	1.48	-0.45	-2.55e-03	2.10e-04	-1.18e-03
36	70	-6.41e-03	-1.16	-0.20	1.45e-03	6.36e-04	1.54e-03
36	71	-0.05	1.36	-0.41	-1.98e-03	1.39e-05	-1.62e-03
36	72	0.12	-1.28	-0.16	2.01e-03	4.39e-04	1.10e-03
36	73	-0.18	1.48	-0.45	-2.57e-03	2.17e-04	-1.17e-03
36	74	-8.54e-03	-1.16	-0.21	1.43e-03	6.43e-04	1.55e-03
36	75	0.12	0.27	-0.29	-7.43e-05	1.02e-04	-8.98e-04
36	76	0.16	-0.39	-0.22	1.04e-03	3.10e-05	-3.43e-04
36	77	-0.22	0.59	-0.40	-1.60e-03	6.25e-04	2.76e-04
36	78	-0.18	-0.07	-0.33	-4.80e-04	5.55e-04	8.31e-04
36	79	0.12	0.27	-0.28	-1.17e-05	1.35e-05	-9.58e-04
36	80	0.16	-0.39	-0.22	9.80e-04	1.19e-04	-2.83e-04
36	81	-0.22	0.59	-0.39	-1.53e-03	5.37e-04	2.16e-04
36	82	-0.18	-0.07	-0.33	-5.42e-04	6.43e-04	8.91e-04
36	83	0.12	0.27	-0.28	-3.00e-05	8.36e-05	-9.26e-04
36	84	0.16	-0.39	-0.21	1.09e-03	1.30e-05	-3.71e-04
36	85	-0.22	0.59	-0.40	-1.64e-03	6.43e-04	3.04e-04
36	86	-0.19	-0.07	-0.33	-5.24e-04	5.73e-04	8.59e-04
36	87	0.12	0.27	-0.28	3.26e-05	-4.55e-06	-9.86e-04
36	88	0.16	-0.39	-0.22	1.02e-03	1.01e-04	-3.11e-04
36	89	-0.23	0.59	-0.40	-1.58e-03	5.55e-04	2.44e-04
36	90	-0.18	-0.07	-0.34	-5.86e-04	6.61e-04	9.19e-04
36	91	-0.04	1.16	-0.41	-1.91e-03	3.67e-04	-1.13e-03
36	92	0.08	-1.05	-0.18	1.81e-03	1.32e-04	7.14e-04
36	93	-0.15	1.25	-0.44	-2.37e-03	5.24e-04	-7.82e-04
36	94	-0.02	-0.96	-0.21	1.36e-03	2.89e-04	1.07e-03
36	95	-0.04	1.16	-0.40	-1.90e-03	3.62e-04	-1.14e-03
36	96	0.09	-1.05	-0.17	1.83e-03	1.27e-04	7.06e-04
36	97	-0.15	1.25	-0.44	-2.38e-03	5.30e-04	-7.73e-04
36	98	-0.02	-0.96	-0.21	1.34e-03	2.95e-04	1.08e-03
36	99	-0.05	1.14	-0.39	-1.70e-03	7.36e-05	-1.33e-03
36	100	0.09	-1.04	-0.19	1.60e-03	4.26e-04	9.15e-04
36	101	-0.15	1.24	-0.43	-2.16e-03	2.31e-04	-9.82e-04
36	102	-0.01	-0.95	-0.22	1.15e-03	5.83e-04	1.27e-03
36	103	-0.05	1.14	-0.39	-1.69e-03	6.82e-05	-1.34e-03
36	104	0.09	-1.04	-0.19	1.62e-03	4.20e-04	9.06e-04
36	105	-0.15	1.24	-0.43	-2.17e-03	2.36e-04	-9.74e-04
36	106	-0.01	-0.95	-0.22	1.13e-03	5.88e-04	1.28e-03
37	1	-0.02	0.08	-0.28	-1.54e-04	-4.95e-05	-4.74e-05
37	2	-0.07	0.21	-0.40	-4.47e-04	-1.30e-04	-4.06e-05
37	3	-0.01	0.06	-0.21	-1.13e-04	-3.65e-05	-3.66e-05
37	4	-0.06	0.19	-0.33	-4.05e-04	-1.17e-04	-2.98e-05
37	5	-0.02	0.06	-0.21	-1.16e-04	-3.74e-05	-3.65e-05
37	6	-0.05	0.15	-0.29	-3.11e-04	-9.12e-05	-3.20e-05
37	7	-0.02	0.06	-0.21	-1.16e-04	-3.74e-05	-3.65e-05
37	8	-0.04	0.12	-0.27	-2.53e-04	-7.50e-05	-3.34e-05
37	9	-0.02	0.06	-0.21	-1.16e-04	-3.74e-05	-3.65e-05
37	10	-0.03	0.11	-0.26	-2.33e-04	-6.97e-05	-3.38e-05
37	11	0.11	0.59	-0.17	-1.04e-03	1.98e-04	-1.41e-03
37	12	0.22	-0.70	-0.30	1.14e-03	6.18e-05	-5.54e-04
37	13	-0.29	0.92	-0.22	-1.61e-03	-2.01e-04	4.87e-04
37	14	-0.18	-0.37	-0.35	5.77e-04	-3.37e-04	1.34e-03
37	15	0.11	0.61	-0.17	-1.09e-03	2.05e-04	-1.50e-03
37	16	0.22	-0.72	-0.31	1.19e-03	5.44e-05	-4.56e-04
37	17	-0.29	0.94	-0.22	-1.65e-03	-1.94e-04	3.89e-04
37	18	-0.18	-0.39	-0.35	6.19e-04	-3.44e-04	1.44e-03
37	19	0.11	0.64	-0.18	-1.12e-03	2.04e-04	-1.46e-03
37	20	0.22	-0.65	-0.31	1.06e-03	6.85e-05	-6.04e-04
37	21	-0.29	0.87	-0.22	-1.53e-03	-2.08e-04	5.36e-04
37	22	-0.18	-0.42	-0.35	6.57e-04	-3.44e-04	1.39e-03
37	23	0.11	0.66	-0.17	-1.17e-03	2.12e-04	-1.55e-03
37	24	0.22	-0.67	-0.31	1.11e-03	6.11e-05	-5.06e-04
37	25	-0.29	0.89	-0.21	-1.57e-03	-2.00e-04	4.38e-04
37	26	-0.18	-0.44	-0.35	6.99e-04	-3.51e-04	1.49e-03
37	27	-0.16	2.20	-0.04	-3.79e-03	2.17e-04	-1.74e-03
37	28	0.21	-2.08	-0.47	3.50e-03	-2.36e-04	1.10e-03
37	29	-0.27	2.30	-0.05	-3.96e-03	9.72e-05	-1.17e-03
37	30	0.09	-1.98	-0.48	3.33e-03	-3.56e-04	1.67e-03
37	31	-0.16	2.22	-0.04	-3.82e-03	2.19e-04	-1.75e-03
37	32	0.21	-2.07	-0.47	3.47e-03	-2.34e-04	1.09e-03
37	33	-0.27	2.29	-0.05	-3.94e-03	9.52e-05	-1.16e-03
37	34	0.09	-2.00	-0.48	3.35e-03	-3.58e-04	1.69e-03

37	35	-0.16	2.29	-0.03	-3.93e-03	2.41e-04	-2.07e-03
37	36	0.21	-2.17	-0.48	3.64e-03	-2.61e-04	1.43e-03
37	37	-0.28	2.39	-0.04	-4.11e-03	1.22e-04	-1.50e-03
37	38	0.09	-2.07	-0.49	3.47e-03	-3.81e-04	2.00e-03
37	39	-0.16	2.30	-0.03	-3.96e-03	2.43e-04	-2.08e-03
37	40	0.21	-2.15	-0.48	3.61e-03	-2.59e-04	1.41e-03
37	41	-0.28	2.37	-0.04	-4.08e-03	1.20e-04	-1.48e-03
37	42	0.09	-2.08	-0.49	3.49e-03	-3.83e-04	2.01e-03
37	43	0.08	0.49	-0.19	-8.75e-04	1.42e-04	-1.12e-03
37	44	0.16	-0.53	-0.29	8.59e-04	3.38e-05	-4.45e-04
37	45	-0.23	0.75	-0.23	-1.33e-03	-1.73e-04	3.77e-04
37	46	-0.15	-0.27	-0.33	4.09e-04	-2.81e-04	1.05e-03
37	47	0.08	0.51	-0.19	-9.09e-04	1.47e-04	-1.20e-03
37	48	0.17	-0.55	-0.30	8.92e-04	2.80e-05	-3.67e-04
37	49	-0.23	0.77	-0.23	-1.36e-03	-1.67e-04	3.00e-04
37	50	-0.15	-0.29	-0.33	4.42e-04	-2.87e-04	1.13e-03
37	51	0.08	0.53	-0.19	-9.39e-04	1.47e-04	-1.16e-03
37	52	0.16	-0.49	-0.30	7.95e-04	3.91e-05	-4.83e-04
37	53	-0.23	0.71	-0.22	-1.26e-03	-1.78e-04	4.16e-04
37	54	-0.15	-0.31	-0.33	4.72e-04	-2.86e-04	1.09e-03
37	55	0.08	0.55	-0.19	-9.72e-04	1.53e-04	-1.24e-03
37	56	0.16	-0.51	-0.30	8.29e-04	3.33e-05	-4.06e-04
37	57	-0.23	0.73	-0.22	-1.30e-03	-1.73e-04	3.38e-04
37	58	-0.15	-0.33	-0.33	5.06e-04	-2.92e-04	1.17e-03
37	59	-0.13	1.77	-0.08	-3.06e-03	1.57e-04	-1.38e-03
37	60	0.16	-1.63	-0.43	2.72e-03	-2.02e-04	8.68e-04
37	61	-0.22	1.85	-0.10	-3.19e-03	6.27e-05	-9.36e-04
37	62	0.06	-1.55	-0.44	2.59e-03	-2.96e-04	1.32e-03
37	63	-0.13	1.78	-0.09	-3.07e-03	1.59e-04	-1.40e-03
37	64	0.16	-1.61	-0.43	2.71e-03	-2.00e-04	8.56e-04
37	65	-0.22	1.84	-0.09	-3.17e-03	6.11e-05	-9.24e-04
37	66	0.06	-1.56	-0.44	2.61e-03	-2.98e-04	1.33e-03
37	67	-0.13	1.84	-0.08	-3.17e-03	1.77e-04	-1.64e-03
37	68	0.16	-1.69	-0.43	2.84e-03	-2.21e-04	1.13e-03
37	69	-0.23	1.91	-0.09	-3.30e-03	8.21e-05	-1.19e-03
37	70	0.06	-1.62	-0.44	2.70e-03	-3.16e-04	1.58e-03
37	71	-0.13	1.85	-0.08	-3.19e-03	1.78e-04	-1.65e-03
37	72	0.16	-1.68	-0.43	2.82e-03	-2.20e-04	1.11e-03
37	73	-0.23	1.90	-0.09	-3.28e-03	8.05e-05	-1.18e-03
37	74	0.06	-1.63	-0.44	2.72e-03	-3.17e-04	1.59e-03
37	75	0.06	0.42	-0.20	-7.64e-04	1.05e-04	-9.32e-04
37	76	0.13	-0.42	-0.29	6.69e-04	1.59e-05	-3.74e-04
37	77	-0.20	0.64	-0.23	-1.14e-03	-1.55e-04	3.06e-04
37	78	-0.13	-0.20	-0.32	2.97e-04	-2.44e-04	8.65e-04
37	79	0.06	0.44	-0.20	-7.91e-04	1.10e-04	-9.96e-04
37	80	0.13	-0.43	-0.29	6.97e-04	1.11e-05	-3.10e-04
37	81	-0.20	0.66	-0.23	-1.16e-03	-1.50e-04	2.42e-04
37	82	-0.13	-0.22	-0.32	3.25e-04	-2.49e-04	9.29e-04
37	83	0.06	0.46	-0.21	-8.16e-04	1.09e-04	-9.64e-04
37	84	0.13	-0.39	-0.29	6.17e-04	2.03e-05	-4.06e-04
37	85	-0.20	0.61	-0.23	-1.08e-03	-1.60e-04	3.38e-04
37	86	-0.13	-0.23	-0.32	3.50e-04	-2.49e-04	8.97e-04
37	87	0.06	0.47	-0.20	-8.44e-04	1.14e-04	-1.03e-03
37	88	0.13	-0.40	-0.29	6.44e-04	1.55e-05	-3.42e-04
37	89	-0.20	0.62	-0.23	-1.11e-03	-1.55e-04	2.74e-04
37	90	-0.13	-0.25	-0.32	3.78e-04	-2.53e-04	9.61e-04
37	91	-0.11	1.48	-0.11	-2.57e-03	1.18e-04	-1.15e-03
37	92	0.12	-1.32	-0.40	2.21e-03	-1.79e-04	7.11e-04
37	93	-0.19	1.55	-0.12	-2.68e-03	3.97e-05	-7.79e-04
37	94	0.05	-1.26	-0.41	2.10e-03	-2.57e-04	1.08e-03
37	95	-0.11	1.49	-0.12	-2.58e-03	1.19e-04	-1.16e-03
37	96	0.12	-1.32	-0.40	2.20e-03	-1.78e-04	7.02e-04
37	97	-0.19	1.54	-0.12	-2.66e-03	3.84e-05	-7.69e-04
37	98	0.05	-1.27	-0.41	2.12e-03	-2.58e-04	1.09e-03
37	99	-0.12	1.54	-0.11	-2.66e-03	1.34e-04	-1.36e-03
37	100	0.12	-1.38	-0.40	2.30e-03	-1.95e-04	9.25e-04
37	101	-0.19	1.60	-0.12	-2.77e-03	5.58e-05	-9.92e-04
37	102	0.05	-1.32	-0.41	2.19e-03	-2.73e-04	1.30e-03
37	103	-0.12	1.55	-0.11	-2.67e-03	1.35e-04	-1.37e-03
37	104	0.12	-1.37	-0.40	2.29e-03	-1.94e-04	9.15e-04
37	105	-0.19	1.59	-0.12	-2.75e-03	5.44e-05	-9.83e-04
37	106	0.05	-1.33	-0.41	2.21e-03	-2.74e-04	1.31e-03

38	1	-0.02	0.08	-0.29	-1.24e-04	-4.13e-05	-4.79e-05
38	2	-0.06	0.21	-0.44	-2.51e-04	-4.91e-05	-4.12e-05
38	3	-0.01	0.06	-0.22	-9.33e-05	-3.16e-05	-3.69e-05
38	4	-0.06	0.19	-0.37	-2.20e-04	-3.94e-05	-3.03e-05
38	5	-0.01	0.06	-0.22	-9.46e-05	-3.17e-05	-3.69e-05
38	6	-0.04	0.15	-0.33	-1.79e-04	-3.69e-05	-3.24e-05
38	7	-0.01	0.06	-0.22	-9.46e-05	-3.17e-05	-3.69e-05
38	8	-0.03	0.12	-0.29	-1.54e-04	-3.53e-05	-3.38e-05
38	9	-0.01	0.06	-0.22	-9.46e-05	-3.17e-05	-3.69e-05
38	10	-0.03	0.11	-0.28	-1.45e-04	-3.48e-05	-3.42e-05
38	11	0.20	0.58	-0.30	-1.37e-03	3.34e-04	-1.42e-03
38	12	0.26	-0.72	-0.25	3.59e-04	-2.30e-04	-5.59e-04
38	13	-0.32	0.94	-0.32	-6.49e-04	1.61e-04	4.91e-04
38	14	-0.26	-0.36	-0.27	1.08e-03	-4.03e-04	1.35e-03
38	15	0.20	0.61	-0.30	-1.41e-03	3.42e-04	-1.52e-03
38	16	0.26	-0.75	-0.25	4.02e-04	-2.38e-04	-4.61e-04
38	17	-0.32	0.97	-0.32	-6.93e-04	1.69e-04	3.92e-04
38	18	-0.26	-0.39	-0.27	1.12e-03	-4.11e-04	1.45e-03
38	19	0.21	0.63	-0.30	-1.34e-03	3.17e-04	-1.47e-03
38	20	0.27	-0.68	-0.25	3.88e-04	-2.47e-04	-6.09e-04
38	21	-0.33	0.90	-0.32	-6.78e-04	1.77e-04	5.41e-04
38	22	-0.27	-0.41	-0.27	1.05e-03	-3.87e-04	1.40e-03
38	23	0.21	0.66	-0.30	-1.38e-03	3.25e-04	-1.57e-03
38	24	0.27	-0.71	-0.25	4.31e-04	-2.55e-04	-5.11e-04
38	25	-0.33	0.93	-0.32	-7.22e-04	1.85e-04	4.42e-04
38	26	-0.27	-0.43	-0.27	1.09e-03	-3.95e-04	1.50e-03
38	27	-0.05	2.24	-0.37	-3.13e-03	9.31e-04	-1.75e-03
38	28	0.15	-2.12	-0.20	2.63e-03	-9.49e-04	1.11e-03
38	29	-0.21	2.34	-0.37	-2.92e-03	8.79e-04	-1.18e-03
38	30	-8.61e-03	-2.01	-0.20	2.84e-03	-1.00e-03	1.68e-03
38	31	-0.05	2.25	-0.37	-3.12e-03	9.26e-04	-1.76e-03
38	32	0.15	-2.11	-0.20	2.63e-03	-9.54e-04	1.09e-03
38	33	-0.21	2.33	-0.37	-2.92e-03	8.84e-04	-1.16e-03
38	34	-0.01	-2.03	-0.20	2.83e-03	-9.96e-04	1.70e-03
38	35	-0.06	2.33	-0.37	-3.28e-03	9.58e-04	-2.08e-03
38	36	0.16	-2.21	-0.19	2.77e-03	-9.75e-04	1.44e-03
38	37	-0.22	2.44	-0.38	-3.06e-03	9.06e-04	-1.51e-03
38	38	8.68e-04	-2.11	-0.20	2.99e-03	-1.03e-03	2.01e-03
38	39	-0.06	2.34	-0.37	-3.27e-03	9.53e-04	-2.09e-03
38	40	0.16	-2.20	-0.19	2.78e-03	-9.80e-04	1.42e-03
38	41	-0.22	2.42	-0.38	-3.07e-03	9.11e-04	-1.49e-03
38	42	-2.02e-03	-2.12	-0.20	2.98e-03	-1.02e-03	2.02e-03
38	43	0.15	0.49	-0.30	-1.11e-03	2.57e-04	-1.13e-03
38	44	0.20	-0.55	-0.26	2.54e-04	-1.90e-04	-4.49e-04
38	45	-0.26	0.77	-0.31	-5.45e-04	1.20e-04	3.80e-04
38	46	-0.21	-0.26	-0.27	8.24e-04	-3.27e-04	1.06e-03
38	47	0.15	0.51	-0.30	-1.15e-03	2.63e-04	-1.21e-03
38	48	0.20	-0.57	-0.26	2.89e-04	-1.96e-04	-3.71e-04
38	49	-0.26	0.79	-0.31	-5.79e-04	1.27e-04	3.02e-04
38	50	-0.21	-0.29	-0.27	8.59e-04	-3.33e-04	1.14e-03
38	51	0.16	0.52	-0.30	-1.09e-03	2.44e-04	-1.17e-03
38	52	0.21	-0.52	-0.26	2.77e-04	-2.03e-04	-4.88e-04
38	53	-0.27	0.74	-0.31	-5.68e-04	1.33e-04	4.20e-04
38	54	-0.22	-0.30	-0.27	8.01e-04	-3.14e-04	1.10e-03
38	55	0.16	0.54	-0.30	-1.13e-03	2.50e-04	-1.25e-03
38	56	0.21	-0.54	-0.26	3.12e-04	-2.09e-04	-4.10e-04
38	57	-0.27	0.76	-0.31	-6.02e-04	1.40e-04	3.41e-04
38	58	-0.22	-0.32	-0.27	8.36e-04	-3.20e-04	1.18e-03
38	59	-0.05	1.79	-0.35	-2.51e-03	7.31e-04	-1.39e-03
38	60	0.11	-1.66	-0.21	2.05e-03	-7.59e-04	8.72e-04
38	61	-0.17	1.88	-0.36	-2.34e-03	6.90e-04	-9.40e-04
38	62	-0.01	-1.57	-0.22	2.22e-03	-8.00e-04	1.32e-03
38	63	-0.05	1.81	-0.35	-2.51e-03	7.27e-04	-1.40e-03
38	64	0.11	-1.65	-0.21	2.06e-03	-7.63e-04	8.60e-04
38	65	-0.17	1.87	-0.36	-2.35e-03	6.94e-04	-9.28e-04
38	66	-0.02	-1.58	-0.22	2.22e-03	-7.97e-04	1.34e-03
38	67	-0.06	1.87	-0.35	-2.63e-03	7.52e-04	-1.65e-03
38	68	0.12	-1.73	-0.21	2.17e-03	-7.80e-04	1.13e-03
38	69	-0.18	1.95	-0.36	-2.46e-03	7.11e-04	-1.20e-03
38	70	-5.68e-03	-1.65	-0.22	2.34e-03	-8.21e-04	1.58e-03
38	71	-0.05	1.88	-0.35	-2.62e-03	7.48e-04	-1.67e-03
38	72	0.12	-1.72	-0.21	2.17e-03	-7.84e-04	1.12e-03

38	73	-0.18	1.94	-0.36	-2.46e-03	7.15e-04	-1.19e-03
38	74	-7.95e-03	-1.66	-0.22	2.33e-03	-8.17e-04	1.60e-03
38	75	0.12	0.42	-0.30	-9.46e-04	2.06e-04	-9.39e-04
38	76	0.16	-0.43	-0.26	1.85e-04	-1.63e-04	-3.77e-04
38	77	-0.22	0.66	-0.31	-4.76e-04	9.33e-05	3.09e-04
38	78	-0.18	-0.20	-0.27	6.56e-04	-2.76e-04	8.70e-04
38	79	0.12	0.44	-0.30	-9.75e-04	2.12e-04	-1.00e-03
38	80	0.16	-0.45	-0.26	2.14e-04	-1.68e-04	-3.13e-04
38	81	-0.22	0.68	-0.31	-5.04e-04	9.85e-05	2.44e-04
38	82	-0.18	-0.22	-0.27	6.84e-04	-2.81e-04	9.35e-04
38	83	0.13	0.45	-0.30	-9.28e-04	1.96e-04	-9.71e-04
38	84	0.16	-0.41	-0.26	2.04e-04	-1.74e-04	-4.10e-04
38	85	-0.23	0.63	-0.31	-4.95e-04	1.04e-04	3.41e-04
38	86	-0.19	-0.23	-0.27	6.37e-04	-2.65e-04	9.03e-04
38	87	0.12	0.47	-0.30	-9.56e-04	2.01e-04	-1.04e-03
38	88	0.17	-0.43	-0.26	2.32e-04	-1.79e-04	-3.45e-04
38	89	-0.23	0.65	-0.31	-5.23e-04	1.09e-04	2.77e-04
38	90	-0.18	-0.25	-0.27	6.65e-04	-2.70e-04	9.67e-04
38	91	-0.04	1.50	-0.34	-2.10e-03	5.98e-04	-1.16e-03
38	92	0.09	-1.35	-0.23	1.67e-03	-6.34e-04	7.14e-04
38	93	-0.15	1.57	-0.34	-1.96e-03	5.64e-04	-7.83e-04
38	94	-0.02	-1.28	-0.23	1.81e-03	-6.68e-04	1.09e-03
38	95	-0.04	1.51	-0.34	-2.10e-03	5.95e-04	-1.17e-03
38	96	0.09	-1.34	-0.23	1.68e-03	-6.37e-04	7.05e-04
38	97	-0.15	1.56	-0.34	-1.97e-03	5.67e-04	-7.73e-04
38	98	-0.02	-1.29	-0.23	1.81e-03	-6.64e-04	1.10e-03
38	99	-0.05	1.56	-0.34	-2.20e-03	6.15e-04	-1.37e-03
38	100	0.09	-1.41	-0.22	1.76e-03	-6.51e-04	9.30e-04
38	101	-0.15	1.63	-0.35	-2.06e-03	5.81e-04	-9.98e-04
38	102	-9.98e-03	-1.34	-0.23	1.91e-03	-6.85e-04	1.30e-03
38	103	-0.05	1.57	-0.34	-2.19e-03	6.12e-04	-1.38e-03
38	104	0.09	-1.40	-0.22	1.77e-03	-6.54e-04	9.20e-04
38	105	-0.15	1.63	-0.35	-2.06e-03	5.84e-04	-9.88e-04
38	106	-0.01	-1.35	-0.23	1.90e-03	-6.82e-04	1.31e-03
39	1	-5.59e-05	-2.00e-05	-0.28	-1.46e-04	3.02e-05	2.27e-06
39	2	-3.50e-04	3.29e-04	-0.39	-4.51e-04	1.74e-04	0.0
39	3	-3.75e-05	-2.20e-05	-0.21	-1.06e-04	2.05e-05	1.78e-06
39	4	-3.31e-04	3.27e-04	-0.33	-4.11e-04	1.64e-04	0.0
39	5	-4.06e-05	-1.82e-05	-0.21	-1.10e-04	2.20e-05	1.76e-06
39	6	-2.36e-04	2.15e-04	-0.29	-3.13e-04	1.18e-04	0.0
39	7	-4.06e-05	-1.82e-05	-0.21	-1.10e-04	2.20e-05	1.76e-06
39	8	-1.78e-04	1.45e-04	-0.27	-2.52e-04	8.92e-05	0.0
39	9	-4.06e-05	-1.82e-05	-0.21	-1.10e-04	2.20e-05	1.76e-06
39	10	-1.58e-04	1.22e-04	-0.26	-2.32e-04	7.96e-05	0.0
39	11	0.03	0.01	-0.17	-9.15e-04	3.70e-04	4.51e-05
39	12	0.05	-0.03	-0.30	9.47e-04	2.52e-05	3.50e-05
39	13	-0.05	0.03	-0.22	-1.41e-03	1.34e-04	-3.31e-05
39	14	-0.03	-0.01	-0.34	4.51e-04	-2.10e-04	-4.31e-05
39	15	0.03	0.01	-0.17	-9.49e-04	3.81e-04	4.67e-05
39	16	0.05	-0.03	-0.30	9.81e-04	1.39e-05	3.34e-05
39	17	-0.05	0.03	-0.21	-1.44e-03	1.45e-04	-3.15e-05
39	18	-0.03	-0.01	-0.35	4.86e-04	-2.22e-04	-4.47e-05
39	19	0.03	0.03	-0.18	-1.34e-03	3.65e-04	4.57e-05
39	20	0.04	-0.01	-0.30	5.19e-04	2.06e-05	3.57e-05
39	21	-0.04	0.01	-0.21	-9.82e-04	1.39e-04	-3.37e-05
39	22	-0.03	-0.03	-0.34	8.80e-04	-2.06e-04	-4.38e-05
39	23	0.03	0.03	-0.17	-1.38e-03	3.76e-04	4.73e-05
39	24	0.04	-0.01	-0.30	5.53e-04	9.19e-06	3.41e-05
39	25	-0.05	0.01	-0.21	-1.02e-03	1.50e-04	-3.21e-05
39	26	-0.03	-0.03	-0.34	9.14e-04	-2.17e-04	-4.54e-05
39	27	-6.77e-03	0.06	-0.04	-3.26e-03	6.89e-04	2.95e-05
39	28	0.03	-0.07	-0.46	2.95e-03	-4.59e-04	-4.06e-06
39	29	-0.03	0.07	-0.05	-3.41e-03	6.18e-04	6.01e-06
39	30	6.45e-03	-0.06	-0.48	2.80e-03	-5.30e-04	-2.75e-05
39	31	-6.94e-03	0.07	-0.04	-3.39e-03	6.87e-04	2.97e-05
39	32	0.03	-0.06	-0.46	2.82e-03	-4.60e-04	-3.86e-06
39	33	-0.03	0.06	-0.05	-3.28e-03	6.19e-04	5.81e-06
39	34	6.63e-03	-0.07	-0.47	2.93e-03	-5.28e-04	-2.77e-05
39	35	-7.80e-03	0.07	-0.03	-3.37e-03	7.27e-04	3.48e-05
39	36	0.03	-0.07	-0.47	3.06e-03	-4.97e-04	-9.41e-06
39	37	-0.03	0.07	-0.04	-3.52e-03	6.56e-04	1.14e-05
39	38	7.49e-03	-0.07	-0.48	2.91e-03	-5.68e-04	-3.28e-05

39	39	-7.98e-03	0.07	-0.03	-3.50e-03	7.25e-04	3.50e-05
39	40	0.03	-0.07	-0.47	2.93e-03	-4.98e-04	-9.21e-06
39	41	-0.03	0.07	-0.04	-3.39e-03	6.57e-04	1.12e-05
39	42	7.66e-03	-0.07	-0.48	3.04e-03	-5.66e-04	-3.30e-05
39	43	0.03	0.01	-0.19	-7.73e-04	3.09e-04	3.55e-05
39	44	0.04	-0.02	-0.29	7.03e-04	3.64e-05	2.78e-05
39	45	-0.04	0.02	-0.23	-1.17e-03	1.23e-04	-2.58e-05
39	46	-0.03	-9.78e-03	-0.33	3.10e-04	-1.50e-04	-3.36e-05
39	47	0.03	0.01	-0.19	-8.00e-04	3.18e-04	3.68e-05
39	48	0.04	-0.02	-0.29	7.30e-04	2.74e-05	2.65e-05
39	49	-0.04	0.02	-0.22	-1.19e-03	1.32e-04	-2.45e-05
39	50	-0.03	-0.01	-0.33	3.37e-04	-1.59e-04	-3.49e-05
39	51	0.03	0.02	-0.19	-1.11e-03	3.06e-04	3.60e-05
39	52	0.03	-0.01	-0.29	3.63e-04	3.27e-05	2.82e-05
39	53	-0.04	0.01	-0.22	-8.26e-04	1.26e-04	-2.63e-05
39	54	-0.03	-0.02	-0.32	6.49e-04	-1.46e-04	-3.40e-05
39	55	0.03	0.02	-0.19	-1.14e-03	3.15e-04	3.73e-05
39	56	0.04	-0.01	-0.30	3.90e-04	2.37e-05	2.69e-05
39	57	-0.04	0.01	-0.22	-8.53e-04	1.35e-04	-2.50e-05
39	58	-0.03	-0.02	-0.32	6.76e-04	-1.55e-04	-3.53e-05
39	59	-5.34e-03	0.05	-0.09	-2.63e-03	5.62e-04	2.31e-05
39	60	0.02	-0.05	-0.42	2.29e-03	-3.47e-04	-2.73e-06
39	61	-0.02	0.05	-0.10	-2.75e-03	5.06e-04	4.68e-06
39	62	5.02e-03	-0.05	-0.43	2.17e-03	-4.03e-04	-2.11e-05
39	63	-5.50e-03	0.05	-0.09	-2.73e-03	5.61e-04	2.32e-05
39	64	0.02	-0.05	-0.42	2.19e-03	-3.48e-04	-2.60e-06
39	65	-0.02	0.05	-0.09	-2.65e-03	5.08e-04	4.54e-06
39	66	5.18e-03	-0.05	-0.43	2.27e-03	-4.02e-04	-2.13e-05
39	67	-6.16e-03	0.05	-0.08	-2.72e-03	5.92e-04	2.74e-05
39	68	0.02	-0.06	-0.43	2.38e-03	-3.77e-04	-7.04e-06
39	69	-0.02	0.06	-0.09	-2.84e-03	5.36e-04	8.99e-06
39	70	5.85e-03	-0.05	-0.44	2.26e-03	-4.33e-04	-2.54e-05
39	71	-6.32e-03	0.06	-0.08	-2.82e-03	5.91e-04	2.75e-05
39	72	0.02	-0.05	-0.43	2.28e-03	-3.78e-04	-6.91e-06
39	73	-0.02	0.05	-0.09	-2.74e-03	5.38e-04	8.86e-06
39	74	6.01e-03	-0.06	-0.44	2.36e-03	-4.32e-04	-2.56e-05
39	75	0.02	8.30e-03	-0.20	-6.79e-04	2.69e-04	2.96e-05
39	76	0.03	-0.02	-0.28	5.40e-04	4.39e-05	2.32e-05
39	77	-0.03	0.02	-0.23	-1.00e-03	1.15e-04	-2.12e-05
39	78	-0.02	-8.06e-03	-0.31	2.16e-04	-1.10e-04	-2.77e-05
39	79	0.02	9.11e-03	-0.20	-7.02e-04	2.77e-04	3.07e-05
39	80	0.03	-0.02	-0.29	5.63e-04	3.65e-05	2.21e-05
39	81	-0.03	0.02	-0.23	-1.03e-03	1.23e-04	-2.02e-05
39	82	-0.02	-8.87e-03	-0.32	2.38e-04	-1.18e-04	-2.87e-05
39	83	0.02	0.02	-0.20	-9.60e-04	2.66e-04	3.00e-05
39	84	0.03	-8.70e-03	-0.29	2.60e-04	4.09e-05	2.36e-05
39	85	-0.03	8.94e-03	-0.23	-7.23e-04	1.18e-04	-2.16e-05
39	86	-0.02	-0.02	-0.31	4.96e-04	-1.07e-04	-2.80e-05
39	87	0.02	0.02	-0.20	-9.82e-04	2.74e-04	3.10e-05
39	88	0.03	-9.51e-03	-0.29	2.82e-04	3.34e-05	2.25e-05
39	89	-0.03	9.76e-03	-0.23	-7.46e-04	1.26e-04	-2.05e-05
39	90	-0.02	-0.02	-0.31	5.19e-04	-1.15e-04	-2.91e-05
39	91	-4.44e-03	0.04	-0.12	-2.22e-03	4.79e-04	1.93e-05
39	92	0.02	-0.04	-0.39	1.85e-03	-2.73e-04	-2.10e-06
39	93	-0.02	0.04	-0.12	-2.31e-03	4.32e-04	4.05e-06
39	94	4.12e-03	-0.04	-0.40	1.75e-03	-3.19e-04	-1.74e-05
39	95	-4.57e-03	0.04	-0.12	-2.30e-03	4.78e-04	1.94e-05
39	96	0.02	-0.04	-0.39	1.77e-03	-2.74e-04	-1.99e-06
39	97	-0.02	0.04	-0.12	-2.23e-03	4.33e-04	3.94e-06
39	98	4.25e-03	-0.04	-0.40	1.84e-03	-3.19e-04	-1.75e-05
39	99	-5.12e-03	0.04	-0.11	-2.29e-03	5.03e-04	2.29e-05
39	100	0.02	-0.05	-0.40	1.92e-03	-2.98e-04	-5.66e-06
39	101	-0.02	0.05	-0.12	-2.39e-03	4.57e-04	7.60e-06
39	102	4.80e-03	-0.04	-0.41	1.83e-03	-3.44e-04	-2.09e-05
39	103	-5.25e-03	0.05	-0.11	-2.37e-03	5.02e-04	2.30e-05
39	104	0.02	-0.04	-0.40	1.84e-03	-2.99e-04	-5.55e-06
39	105	-0.02	0.04	-0.12	-2.30e-03	4.58e-04	7.50e-06
39	106	4.94e-03	-0.05	-0.41	1.91e-03	-3.43e-04	-2.10e-05
40	1	-2.87e-04	-1.97e-05	-0.29	-1.48e-04	3.01e-05	2.27e-06
40	2	-3.84e-04	3.31e-04	-0.44	-4.55e-04	1.74e-04	0.0
40	3	-2.19e-04	-2.17e-05	-0.22	-1.08e-04	2.04e-05	1.78e-06
40	4	-3.16e-04	3.29e-04	-0.37	-4.15e-04	1.64e-04	0.0

40	5	-2.20e-04	-1.80e-05	-0.22	-1.11e-04	2.20e-05	1.76e-06
40	6	-2.85e-04	2.16e-04	-0.32	-3.16e-04	1.18e-04	0.0
40	7	-2.20e-04	-1.80e-05	-0.22	-1.11e-04	2.20e-05	1.76e-06
40	8	-2.65e-04	1.46e-04	-0.29	-2.55e-04	8.91e-05	0.0
40	9	-2.20e-04	-1.80e-05	-0.22	-1.11e-04	2.20e-05	1.76e-06
40	10	-2.59e-04	1.22e-04	-0.28	-2.34e-04	7.95e-05	0.0
40	11	0.03	0.01	-0.30	-9.18e-04	3.70e-04	4.51e-05
40	12	0.04	-0.03	-0.24	9.49e-04	2.51e-05	3.51e-05
40	13	-0.05	0.03	-0.32	-1.42e-03	1.34e-04	-3.31e-05
40	14	-0.03	-0.01	-0.26	4.50e-04	-2.11e-04	-4.31e-05
40	15	0.03	0.01	-0.30	-9.53e-04	3.81e-04	4.67e-05
40	16	0.04	-0.03	-0.24	9.83e-04	1.38e-05	3.35e-05
40	17	-0.05	0.03	-0.32	-1.45e-03	1.45e-04	-3.15e-05
40	18	-0.03	-0.01	-0.26	4.85e-04	-2.22e-04	-4.47e-05
40	19	0.03	0.03	-0.31	-1.35e-03	3.65e-04	4.58e-05
40	20	0.04	-0.01	-0.24	5.17e-04	2.04e-05	3.57e-05
40	21	-0.04	0.01	-0.32	-9.86e-04	1.39e-04	-3.37e-05
40	22	-0.03	-0.03	-0.26	8.82e-04	-2.06e-04	-4.38e-05
40	23	0.03	0.03	-0.31	-1.38e-03	3.76e-04	4.74e-05
40	24	0.04	-0.01	-0.24	5.52e-04	9.07e-06	3.41e-05
40	25	-0.04	0.01	-0.32	-1.02e-03	1.50e-04	-3.22e-05
40	26	-0.03	-0.03	-0.26	9.16e-04	-2.17e-04	-4.54e-05
40	27	-6.62e-03	0.06	-0.38	-3.27e-03	6.89e-04	2.95e-05
40	28	0.03	-0.07	-0.17	2.95e-03	-4.60e-04	-4.03e-06
40	29	-0.03	0.07	-0.39	-3.42e-03	6.19e-04	6.01e-06
40	30	6.10e-03	-0.06	-0.18	2.80e-03	-5.30e-04	-2.75e-05
40	31	-6.71e-03	0.07	-0.39	-3.40e-03	6.88e-04	2.97e-05
40	32	0.03	-0.06	-0.17	2.82e-03	-4.61e-04	-3.83e-06
40	33	-0.03	0.06	-0.39	-3.29e-03	6.20e-04	5.81e-06
40	34	6.19e-03	-0.07	-0.18	2.93e-03	-5.29e-04	-2.77e-05
40	35	-7.24e-03	0.07	-0.39	-3.39e-03	7.27e-04	3.48e-05
40	36	0.03	-0.07	-0.17	3.07e-03	-4.97e-04	-9.34e-06
40	37	-0.03	0.07	-0.39	-3.54e-03	6.56e-04	1.13e-05
40	38	6.72e-03	-0.07	-0.18	2.92e-03	-5.68e-04	-3.28e-05
40	39	-7.33e-03	0.07	-0.39	-3.52e-03	7.26e-04	3.50e-05
40	40	0.03	-0.07	-0.17	2.94e-03	-4.99e-04	-9.14e-06
40	41	-0.03	0.07	-0.39	-3.41e-03	6.58e-04	1.11e-05
40	42	6.81e-03	-0.07	-0.17	3.05e-03	-5.67e-04	-3.30e-05
40	43	0.03	0.01	-0.30	-7.77e-04	3.10e-04	3.56e-05
40	44	0.04	-0.02	-0.25	7.04e-04	3.63e-05	2.78e-05
40	45	-0.04	0.02	-0.31	-1.17e-03	1.23e-04	-2.58e-05
40	46	-0.03	-9.78e-03	-0.26	3.09e-04	-1.51e-04	-3.36e-05
40	47	0.03	0.01	-0.30	-8.04e-04	3.18e-04	3.68e-05
40	48	0.04	-0.02	-0.25	7.31e-04	2.73e-05	2.65e-05
40	49	-0.04	0.02	-0.31	-1.20e-03	1.32e-04	-2.46e-05
40	50	-0.03	-0.01	-0.26	3.36e-04	-1.59e-04	-3.49e-05
40	51	0.03	0.02	-0.30	-1.12e-03	3.06e-04	3.60e-05
40	52	0.03	-0.01	-0.25	3.62e-04	3.26e-05	2.83e-05
40	53	-0.04	0.01	-0.31	-8.30e-04	1.26e-04	-2.63e-05
40	54	-0.03	-0.02	-0.26	6.50e-04	-1.47e-04	-3.40e-05
40	55	0.03	0.02	-0.30	-1.15e-03	3.15e-04	3.73e-05
40	56	0.03	-0.01	-0.25	3.89e-04	2.36e-05	2.70e-05
40	57	-0.04	0.01	-0.31	-8.57e-04	1.35e-04	-2.50e-05
40	58	-0.03	-0.02	-0.26	6.78e-04	-1.56e-04	-3.53e-05
40	59	-5.26e-03	0.05	-0.36	-2.64e-03	5.63e-04	2.31e-05
40	60	0.02	-0.05	-0.20	2.29e-03	-3.48e-04	-2.70e-06
40	61	-0.02	0.05	-0.37	-2.76e-03	5.07e-04	4.68e-06
40	62	4.74e-03	-0.05	-0.20	2.17e-03	-4.04e-04	-2.11e-05
40	63	-5.35e-03	0.05	-0.36	-2.74e-03	5.62e-04	2.32e-05
40	64	0.02	-0.05	-0.20	2.19e-03	-3.49e-04	-2.56e-06
40	65	-0.02	0.05	-0.37	-2.66e-03	5.08e-04	4.55e-06
40	66	4.83e-03	-0.05	-0.20	2.28e-03	-4.03e-04	-2.12e-05
40	67	-5.76e-03	0.05	-0.37	-2.73e-03	5.93e-04	2.74e-05
40	68	0.02	-0.06	-0.19	2.38e-03	-3.78e-04	-6.98e-06
40	69	-0.02	0.06	-0.37	-2.85e-03	5.37e-04	8.97e-06
40	70	5.24e-03	-0.05	-0.20	2.26e-03	-4.34e-04	-2.54e-05
40	71	-5.84e-03	0.06	-0.37	-2.83e-03	5.92e-04	2.75e-05
40	72	0.02	-0.05	-0.19	2.28e-03	-3.79e-04	-6.85e-06
40	73	-0.02	0.05	-0.37	-2.75e-03	5.38e-04	8.83e-06
40	74	5.32e-03	-0.06	-0.20	2.37e-03	-4.33e-04	-2.55e-05
40	75	0.02	8.30e-03	-0.30	-6.82e-04	2.70e-04	2.96e-05
40	76	0.03	-0.02	-0.25	5.41e-04	4.38e-05	2.32e-05

40	77	-0.03	0.02	-0.31	-1.01e-03	1.15e-04	-2.12e-05
40	78	-0.02	-8.06e-03	-0.27	2.14e-04	-1.11e-04	-2.77e-05
40	79	0.02	9.11e-03	-0.30	-7.05e-04	2.77e-04	3.07e-05
40	80	0.03	-0.02	-0.25	5.63e-04	3.64e-05	2.22e-05
40	81	-0.03	0.02	-0.31	-1.03e-03	1.23e-04	-2.02e-05
40	82	-0.02	-8.87e-03	-0.27	2.37e-04	-1.18e-04	-2.87e-05
40	83	0.02	0.02	-0.30	-9.65e-04	2.67e-04	3.00e-05
40	84	0.03	-8.70e-03	-0.26	2.58e-04	4.07e-05	2.36e-05
40	85	-0.03	8.94e-03	-0.31	-7.26e-04	1.18e-04	-2.16e-05
40	86	-0.02	-0.02	-0.27	4.97e-04	-1.08e-04	-2.80e-05
40	87	0.02	0.02	-0.30	-9.87e-04	2.74e-04	3.11e-05
40	88	0.03	-9.51e-03	-0.26	2.81e-04	3.33e-05	2.25e-05
40	89	-0.03	9.76e-03	-0.31	-7.49e-04	1.26e-04	-2.05e-05
40	90	-0.02	-0.02	-0.26	5.19e-04	-1.15e-04	-2.91e-05
40	91	-4.39e-03	0.04	-0.35	-2.22e-03	4.79e-04	1.93e-05
40	92	0.02	-0.04	-0.21	1.85e-03	-2.74e-04	-2.07e-06
40	93	-0.02	0.04	-0.35	-2.32e-03	4.33e-04	4.05e-06
40	94	3.87e-03	-0.04	-0.21	1.76e-03	-3.20e-04	-1.73e-05
40	95	-4.46e-03	0.04	-0.35	-2.31e-03	4.78e-04	1.94e-05
40	96	0.02	-0.04	-0.21	1.77e-03	-2.75e-04	-1.96e-06
40	97	-0.02	0.04	-0.35	-2.24e-03	4.34e-04	3.94e-06
40	98	3.94e-03	-0.04	-0.21	1.84e-03	-3.19e-04	-1.74e-05
40	99	-4.80e-03	0.04	-0.35	-2.30e-03	5.04e-04	2.29e-05
40	100	0.02	-0.05	-0.21	1.93e-03	-2.98e-04	-5.61e-06
40	101	-0.02	0.05	-0.35	-2.40e-03	4.57e-04	7.59e-06
40	102	4.28e-03	-0.04	-0.21	1.83e-03	-3.45e-04	-2.09e-05
40	103	-4.87e-03	0.05	-0.35	-2.38e-03	5.03e-04	2.30e-05
40	104	0.02	-0.04	-0.21	1.84e-03	-2.99e-04	-5.50e-06
40	105	-0.02	0.04	-0.35	-2.31e-03	4.58e-04	7.48e-06
40	106	4.35e-03	-0.05	-0.21	1.92e-03	-3.44e-04	-2.10e-05
41	1	-5.28e-03	0.04	-0.28	-1.56e-04	-5.78e-05	-6.30e-06
41	2	-0.02	0.11	-0.40	-4.43e-04	-2.21e-04	8.21e-05
41	3	-3.87e-03	0.03	-0.21	-1.15e-04	-4.14e-05	-6.51e-06
41	4	-0.01	0.10	-0.33	-4.01e-04	-2.05e-04	8.19e-05
41	5	-3.98e-03	0.03	-0.21	-1.18e-04	-4.31e-05	-5.57e-06
41	6	-0.01	0.07	-0.29	-3.09e-04	-1.52e-04	5.34e-05
41	7	-3.98e-03	0.03	-0.21	-1.18e-04	-4.31e-05	-5.57e-06
41	8	-8.86e-03	0.06	-0.27	-2.52e-04	-1.19e-04	3.57e-05
41	9	-3.98e-03	0.03	-0.21	-1.18e-04	-4.31e-05	-5.57e-06
41	10	-8.16e-03	0.06	-0.26	-2.32e-04	-1.09e-04	2.98e-05
41	11	0.08	0.29	-0.17	-1.12e-03	1.11e-04	-6.57e-04
41	12	0.13	-0.35	-0.30	1.26e-03	5.30e-04	-3.41e-04
41	13	-0.15	0.46	-0.22	-1.73e-03	-7.47e-04	4.01e-04
41	14	-0.10	-0.18	-0.35	6.52e-04	-3.28e-04	7.17e-04
41	15	0.08	0.31	-0.17	-1.16e-03	1.06e-04	-7.05e-04
41	16	0.13	-0.37	-0.30	1.31e-03	5.35e-04	-2.93e-04
41	17	-0.15	0.48	-0.22	-1.77e-03	-7.52e-04	3.53e-04
41	18	-0.10	-0.20	-0.35	6.97e-04	-3.23e-04	7.65e-04
41	19	0.08	0.32	-0.18	-1.21e-03	1.08e-04	-6.87e-04
41	20	0.13	-0.33	-0.30	1.17e-03	5.28e-04	-3.71e-04
41	21	-0.15	0.44	-0.21	-1.64e-03	-7.45e-04	4.31e-04
41	22	-0.10	-0.21	-0.34	7.40e-04	-3.25e-04	7.47e-04
41	23	0.08	0.33	-0.17	-1.25e-03	1.03e-04	-7.35e-04
41	24	0.13	-0.34	-0.31	1.22e-03	5.33e-04	-3.23e-04
41	25	-0.15	0.45	-0.21	-1.68e-03	-7.50e-04	3.82e-04
41	26	-0.10	-0.22	-0.35	7.86e-04	-3.20e-04	7.95e-04
41	27	-0.05	1.11	-0.04	-4.10e-03	-6.80e-04	-6.55e-04
41	28	0.11	-1.05	-0.47	3.82e-03	7.20e-04	3.97e-04
41	29	-0.12	1.16	-0.05	-4.29e-03	-9.37e-04	-3.38e-04
41	30	0.04	-1.00	-0.48	3.64e-03	4.63e-04	7.15e-04
41	31	-0.05	1.12	-0.04	-4.13e-03	-6.80e-04	-6.64e-04
41	32	0.11	-1.04	-0.47	3.80e-03	7.19e-04	3.89e-04
41	33	-0.12	1.15	-0.05	-4.26e-03	-9.36e-04	-3.29e-04
41	34	0.04	-1.01	-0.48	3.67e-03	4.63e-04	7.24e-04
41	35	-0.05	1.15	-0.03	-4.26e-03	-6.96e-04	-8.16e-04
41	36	0.11	-1.09	-0.48	3.98e-03	7.36e-04	5.58e-04
41	37	-0.12	1.20	-0.04	-4.44e-03	-9.53e-04	-4.99e-04
41	38	0.04	-1.04	-0.49	3.79e-03	4.79e-04	8.76e-04
41	39	-0.05	1.16	-0.03	-4.28e-03	-6.97e-04	-8.25e-04
41	40	0.11	-1.09	-0.48	3.95e-03	7.36e-04	5.49e-04
41	41	-0.12	1.20	-0.04	-4.41e-03	-9.53e-04	-4.90e-04
41	42	0.04	-1.05	-0.49	3.82e-03	4.80e-04	8.85e-04

41	43	0.06	0.25	-0.19	-9.33e-04	6.37e-05	-5.14e-04
41	44	0.10	-0.27	-0.29	9.52e-04	3.96e-04	-2.63e-04
41	45	-0.12	0.38	-0.23	-1.42e-03	-6.13e-04	3.23e-04
41	46	-0.08	-0.13	-0.33	4.68e-04	-2.81e-04	5.73e-04
41	47	0.06	0.26	-0.19	-9.69e-04	5.98e-05	-5.52e-04
41	48	0.10	-0.28	-0.29	9.88e-04	4.00e-04	-2.25e-04
41	49	-0.12	0.39	-0.22	-1.45e-03	-6.17e-04	2.85e-04
41	50	-0.08	-0.14	-0.33	5.05e-04	-2.77e-04	6.11e-04
41	51	0.06	0.26	-0.19	-1.00e-03	6.13e-05	-5.37e-04
41	52	0.10	-0.25	-0.30	8.82e-04	3.94e-04	-2.87e-04
41	53	-0.12	0.36	-0.22	-1.35e-03	-6.11e-04	3.47e-04
41	54	-0.08	-0.15	-0.33	5.39e-04	-2.78e-04	5.97e-04
41	55	0.06	0.27	-0.19	-1.04e-03	5.74e-05	-5.75e-04
41	56	0.10	-0.26	-0.30	9.18e-04	3.98e-04	-2.49e-04
41	57	-0.12	0.37	-0.22	-1.38e-03	-6.15e-04	3.08e-04
41	58	-0.08	-0.16	-0.33	5.75e-04	-2.74e-04	6.35e-04
41	59	-0.04	0.89	-0.08	-3.30e-03	-5.61e-04	-5.13e-04
41	60	0.08	-0.82	-0.42	2.98e-03	5.48e-04	3.21e-04
41	61	-0.10	0.93	-0.09	-3.45e-03	-7.65e-04	-2.62e-04
41	62	0.03	-0.78	-0.43	2.84e-03	3.44e-04	5.72e-04
41	63	-0.04	0.90	-0.08	-3.32e-03	-5.62e-04	-5.20e-04
41	64	0.08	-0.82	-0.43	2.96e-03	5.47e-04	3.14e-04
41	65	-0.10	0.93	-0.09	-3.43e-03	-7.64e-04	-2.55e-04
41	66	0.03	-0.79	-0.43	2.86e-03	3.45e-04	5.79e-04
41	67	-0.04	0.93	-0.08	-3.42e-03	-5.74e-04	-6.40e-04
41	68	0.08	-0.86	-0.43	3.10e-03	5.61e-04	4.49e-04
41	69	-0.10	0.97	-0.09	-3.57e-03	-7.78e-04	-3.89e-04
41	70	0.03	-0.81	-0.44	2.96e-03	3.57e-04	7.00e-04
41	71	-0.05	0.93	-0.08	-3.44e-03	-5.75e-04	-6.47e-04
41	72	0.08	-0.85	-0.43	3.08e-03	5.60e-04	4.42e-04
41	73	-0.10	0.96	-0.09	-3.55e-03	-7.77e-04	-3.82e-04
41	74	0.03	-0.82	-0.44	2.98e-03	3.58e-04	7.07e-04
41	75	0.05	0.21	-0.20	-8.11e-04	3.42e-05	-4.20e-04
41	76	0.08	-0.21	-0.29	7.46e-04	3.09e-04	-2.13e-04
41	77	-0.10	0.32	-0.23	-1.21e-03	-5.26e-04	2.72e-04
41	78	-0.07	-0.10	-0.32	3.47e-04	-2.51e-04	4.79e-04
41	79	0.05	0.22	-0.20	-8.42e-04	3.10e-05	-4.51e-04
41	80	0.08	-0.22	-0.29	7.76e-04	3.12e-04	-1.81e-04
41	81	-0.10	0.33	-0.23	-1.24e-03	-5.29e-04	2.41e-04
41	82	-0.07	-0.11	-0.32	3.77e-04	-2.48e-04	5.11e-04
41	83	0.05	0.23	-0.20	-8.70e-04	3.22e-05	-4.39e-04
41	84	0.08	-0.20	-0.29	6.88e-04	3.07e-04	-2.32e-04
41	85	-0.10	0.31	-0.23	-1.15e-03	-5.24e-04	2.92e-04
41	86	-0.07	-0.12	-0.31	4.05e-04	-2.49e-04	4.99e-04
41	87	0.05	0.24	-0.20	-9.00e-04	2.90e-05	-4.71e-04
41	88	0.08	-0.21	-0.29	7.18e-04	3.10e-04	-2.01e-04
41	89	-0.10	0.32	-0.23	-1.18e-03	-5.27e-04	2.60e-04
41	90	-0.07	-0.13	-0.32	4.35e-04	-2.46e-04	5.30e-04
41	91	-0.04	0.75	-0.11	-2.77e-03	-4.83e-04	-4.19e-04
41	92	0.07	-0.67	-0.40	2.42e-03	4.34e-04	2.71e-04
41	93	-0.08	0.78	-0.12	-2.89e-03	-6.51e-04	-2.11e-04
41	94	0.02	-0.64	-0.40	2.30e-03	2.66e-04	4.78e-04
41	95	-0.04	0.75	-0.12	-2.79e-03	-4.83e-04	-4.24e-04
41	96	0.07	-0.66	-0.40	2.41e-03	4.33e-04	2.65e-04
41	97	-0.08	0.77	-0.12	-2.87e-03	-6.50e-04	-2.05e-04
41	98	0.02	-0.64	-0.40	2.32e-03	2.66e-04	4.84e-04
41	99	-0.04	0.77	-0.11	-2.87e-03	-4.93e-04	-5.24e-04
41	100	0.07	-0.70	-0.40	2.52e-03	4.45e-04	3.76e-04
41	101	-0.08	0.81	-0.12	-2.99e-03	-6.62e-04	-3.16e-04
41	102	0.02	-0.66	-0.41	2.40e-03	2.76e-04	5.84e-04
41	103	-0.04	0.78	-0.11	-2.89e-03	-4.94e-04	-5.30e-04
41	104	0.07	-0.69	-0.40	2.51e-03	4.44e-04	3.70e-04
41	105	-0.08	0.80	-0.12	-2.97e-03	-6.61e-04	-3.11e-04
41	106	0.02	-0.67	-0.41	2.42e-03	2.77e-04	5.89e-04
42	1	-4.70e-03	0.04	-0.29	-1.53e-04	-4.91e-05	-6.30e-06
42	2	-0.02	0.11	-0.44	-4.39e-04	-2.54e-04	8.22e-05
42	3	-3.24e-03	0.03	-0.22	-1.13e-04	-3.39e-05	-6.51e-06
42	4	-0.02	0.10	-0.37	-3.99e-04	-2.39e-04	8.20e-05
42	5	-3.45e-03	0.03	-0.22	-1.16e-04	-3.61e-05	-5.57e-06
42	6	-0.02	0.07	-0.32	-3.06e-04	-1.73e-04	5.34e-05
42	7	-3.45e-03	0.03	-0.22	-1.16e-04	-3.61e-05	-5.57e-06
42	8	-0.01	0.06	-0.29	-2.49e-04	-1.32e-04	3.57e-05

42	9	-3.45e-03	0.03	-0.22	-1.16e-04	-3.61e-05	-5.57e-06
42	10	-0.01	0.06	-0.28	-2.30e-04	-1.18e-04	2.98e-05
42	11	0.12	0.29	-0.31	-1.11e-03	4.01e-04	-6.57e-04
42	12	0.16	-0.35	-0.24	1.26e-03	6.50e-04	-3.41e-04
42	13	-0.18	0.46	-0.33	-1.72e-03	-8.86e-04	4.01e-04
42	14	-0.14	-0.18	-0.26	6.54e-04	-6.37e-04	7.17e-04
42	15	0.12	0.31	-0.31	-1.16e-03	4.14e-04	-7.06e-04
42	16	0.16	-0.37	-0.24	1.31e-03	6.37e-04	-2.93e-04
42	17	-0.18	0.48	-0.33	-1.77e-03	-8.73e-04	3.53e-04
42	18	-0.14	-0.20	-0.26	7.00e-04	-6.50e-04	7.65e-04
42	19	0.12	0.32	-0.31	-1.20e-03	4.30e-04	-6.87e-04
42	20	0.16	-0.33	-0.24	1.17e-03	6.79e-04	-3.71e-04
42	21	-0.18	0.44	-0.32	-1.63e-03	-9.15e-04	4.31e-04
42	22	-0.15	-0.21	-0.26	7.43e-04	-6.66e-04	7.47e-04
42	23	0.12	0.33	-0.31	-1.25e-03	4.43e-04	-7.35e-04
42	24	0.16	-0.34	-0.24	1.22e-03	6.66e-04	-3.23e-04
42	25	-0.18	0.45	-0.32	-1.68e-03	-9.02e-04	3.83e-04
42	26	-0.15	-0.22	-0.26	7.89e-04	-6.79e-04	7.95e-04
42	27	-0.02	1.11	-0.39	-4.10e-03	-3.40e-04	-6.55e-04
42	28	0.09	-1.05	-0.17	3.82e-03	4.90e-04	3.98e-04
42	29	-0.11	1.16	-0.39	-4.28e-03	-7.26e-04	-3.38e-04
42	30	2.21e-03	-1.00	-0.18	3.64e-03	1.04e-04	7.15e-04
42	31	-0.02	1.12	-0.39	-4.13e-03	-3.31e-04	-6.64e-04
42	32	0.09	-1.04	-0.17	3.80e-03	4.99e-04	3.89e-04
42	33	-0.12	1.15	-0.39	-4.26e-03	-7.35e-04	-3.29e-04
42	34	9.06e-04	-1.01	-0.18	3.67e-03	9.51e-05	7.24e-04
42	35	-0.03	1.15	-0.39	-4.25e-03	-2.97e-04	-8.16e-04
42	36	0.10	-1.09	-0.17	3.98e-03	4.47e-04	5.58e-04
42	37	-0.12	1.20	-0.40	-4.44e-03	-6.83e-04	-4.99e-04
42	38	6.00e-03	-1.04	-0.18	3.79e-03	6.07e-05	8.76e-04
42	39	-0.03	1.16	-0.39	-4.28e-03	-2.88e-04	-8.25e-04
42	40	0.10	-1.09	-0.17	3.95e-03	4.56e-04	5.50e-04
42	41	-0.12	1.20	-0.40	-4.41e-03	-6.92e-04	-4.90e-04
42	42	4.70e-03	-1.05	-0.17	3.82e-03	5.20e-05	8.85e-04
42	43	0.09	0.25	-0.30	-9.31e-04	2.93e-04	-5.14e-04
42	44	0.12	-0.27	-0.25	9.54e-04	4.91e-04	-2.64e-04
42	45	-0.14	0.38	-0.32	-1.41e-03	-7.27e-04	3.23e-04
42	46	-0.12	-0.13	-0.26	4.71e-04	-5.29e-04	5.73e-04
42	47	0.09	0.26	-0.30	-9.67e-04	3.04e-04	-5.52e-04
42	48	0.12	-0.28	-0.25	9.90e-04	4.80e-04	-2.25e-04
42	49	-0.14	0.39	-0.32	-1.45e-03	-7.16e-04	2.85e-04
42	50	-0.11	-0.14	-0.26	5.07e-04	-5.40e-04	6.12e-04
42	51	0.10	0.26	-0.30	-1.00e-03	3.16e-04	-5.37e-04
42	52	0.12	-0.25	-0.25	8.83e-04	5.14e-04	-2.87e-04
42	53	-0.15	0.36	-0.31	-1.34e-03	-7.50e-04	3.47e-04
42	54	-0.12	-0.15	-0.26	5.41e-04	-5.52e-04	5.97e-04
42	55	0.10	0.27	-0.30	-1.04e-03	3.27e-04	-5.76e-04
42	56	0.12	-0.26	-0.25	9.20e-04	5.03e-04	-2.49e-04
42	57	-0.15	0.37	-0.32	-1.38e-03	-7.39e-04	3.08e-04
42	58	-0.12	-0.16	-0.26	5.77e-04	-5.63e-04	6.35e-04
42	59	-0.02	0.89	-0.37	-3.30e-03	-2.94e-04	-5.13e-04
42	60	0.07	-0.82	-0.20	2.98e-03	3.64e-04	3.21e-04
42	61	-0.09	0.93	-0.37	-3.44e-03	-6.00e-04	-2.62e-04
42	62	-6.57e-04	-0.78	-0.20	2.84e-03	5.77e-05	5.72e-04
42	63	-0.02	0.90	-0.37	-3.32e-03	-2.87e-04	-5.20e-04
42	64	0.07	-0.82	-0.20	2.96e-03	3.71e-04	3.14e-04
42	65	-0.09	0.93	-0.37	-3.42e-03	-6.07e-04	-2.55e-04
42	66	-1.68e-03	-0.79	-0.20	2.86e-03	5.08e-05	5.80e-04
42	67	-0.03	0.93	-0.37	-3.42e-03	-2.59e-04	-6.40e-04
42	68	0.07	-0.86	-0.19	3.10e-03	3.30e-04	4.49e-04
42	69	-0.10	0.97	-0.37	-3.56e-03	-5.65e-04	-3.89e-04
42	70	2.36e-03	-0.81	-0.20	2.96e-03	2.35e-05	7.00e-04
42	71	-0.02	0.93	-0.37	-3.44e-03	-2.53e-04	-6.47e-04
42	72	0.07	-0.85	-0.19	3.08e-03	3.36e-04	4.42e-04
42	73	-0.10	0.96	-0.37	-3.54e-03	-5.72e-04	-3.82e-04
42	74	1.33e-03	-0.82	-0.20	2.98e-03	1.66e-05	7.07e-04
42	75	0.07	0.21	-0.30	-8.09e-04	2.22e-04	-4.20e-04
42	76	0.10	-0.21	-0.26	7.48e-04	3.85e-04	-2.13e-04
42	77	-0.12	0.32	-0.31	-1.21e-03	-6.21e-04	2.72e-04
42	78	-0.10	-0.10	-0.27	3.49e-04	-4.58e-04	4.79e-04
42	79	0.07	0.22	-0.30	-8.39e-04	2.31e-04	-4.51e-04
42	80	0.10	-0.22	-0.26	7.78e-04	3.77e-04	-1.81e-04

42	81	-0.12	0.33	-0.31	-1.24e-03	-6.13e-04	2.41e-04
42	82	-0.10	-0.11	-0.27	3.79e-04	-4.66e-04	5.11e-04
42	83	0.08	0.23	-0.30	-8.67e-04	2.41e-04	-4.39e-04
42	84	0.10	-0.20	-0.26	6.90e-04	4.04e-04	-2.32e-04
42	85	-0.12	0.31	-0.31	-1.15e-03	-6.40e-04	2.92e-04
42	86	-0.10	-0.12	-0.27	4.07e-04	-4.77e-04	4.99e-04
42	87	0.08	0.24	-0.30	-8.97e-04	2.50e-04	-4.71e-04
42	88	0.10	-0.21	-0.26	7.20e-04	3.96e-04	-2.01e-04
42	89	-0.12	0.32	-0.31	-1.18e-03	-6.31e-04	2.60e-04
42	90	-0.10	-0.13	-0.27	4.37e-04	-4.85e-04	5.30e-04
42	91	-0.02	0.75	-0.35	-2.77e-03	-2.63e-04	-4.19e-04
42	92	0.06	-0.67	-0.21	2.43e-03	2.80e-04	2.71e-04
42	93	-0.08	0.78	-0.36	-2.89e-03	-5.16e-04	-2.11e-04
42	94	-2.52e-03	-0.64	-0.21	2.31e-03	2.72e-05	4.78e-04
42	95	-0.02	0.75	-0.35	-2.78e-03	-2.57e-04	-4.25e-04
42	96	0.06	-0.66	-0.21	2.41e-03	2.86e-04	2.65e-04
42	97	-0.08	0.77	-0.36	-2.87e-03	-5.22e-04	-2.05e-04
42	98	-3.36e-03	-0.64	-0.21	2.32e-03	2.15e-05	4.84e-04
42	99	-0.02	0.77	-0.35	-2.87e-03	-2.35e-04	-5.24e-04
42	100	0.06	-0.70	-0.21	2.53e-03	2.52e-04	3.76e-04
42	101	-0.08	0.81	-0.36	-2.99e-03	-4.88e-04	-3.16e-04
42	102	-3.06e-05	-0.66	-0.21	2.41e-03	-1.04e-06	5.84e-04
42	103	-0.02	0.78	-0.35	-2.88e-03	-2.29e-04	-5.30e-04
42	104	0.06	-0.69	-0.21	2.51e-03	2.58e-04	3.70e-04
42	105	-0.08	0.80	-0.36	-2.97e-03	-4.94e-04	-3.11e-04
42	106	-8.74e-04	-0.67	-0.21	2.42e-03	-6.74e-06	5.90e-04
43	1	-0.02	1.24e-04	-0.28	-2.94e-05	1.55e-05	-6.31e-05
43	2	-0.09	1.74e-03	-0.46	-1.03e-04	0.0	-2.23e-04
43	3	-0.01	6.46e-05	-0.21	-2.12e-05	1.22e-05	-4.55e-05
43	4	-0.09	1.68e-03	-0.39	-9.46e-05	-4.23e-06	-2.05e-04
43	5	-0.01	8.18e-05	-0.21	-2.20e-05	1.20e-05	-4.72e-05
43	6	-0.06	1.16e-03	-0.33	-7.09e-05	1.08e-06	-1.54e-04
43	7	-0.01	8.18e-05	-0.21	-2.20e-05	1.20e-05	-4.72e-05
43	8	-0.05	8.37e-04	-0.30	-5.63e-05	4.37e-06	-1.22e-04
43	9	-0.01	8.18e-05	-0.21	-2.20e-05	1.20e-05	-4.72e-05
43	10	-0.04	7.29e-04	-0.28	-5.14e-05	5.47e-06	-1.11e-04
43	11	0.06	-0.15	-0.35	1.10e-04	3.69e-04	-5.62e-04
43	12	0.17	-0.27	-0.42	1.28e-03	5.31e-04	9.37e-05
43	13	-0.25	0.27	-0.15	-1.38e-03	-5.20e-04	-3.16e-04
43	14	-0.15	0.15	-0.22	-2.13e-04	-3.58e-04	3.40e-04
43	15	0.07	-0.15	-0.35	1.42e-04	3.73e-04	-5.66e-04
43	16	0.17	-0.26	-0.42	1.24e-03	5.27e-04	9.73e-05
43	17	-0.25	0.26	-0.15	-1.35e-03	-5.16e-04	-3.20e-04
43	18	-0.15	0.15	-0.22	-2.45e-04	-3.62e-04	3.44e-04
43	19	0.07	-0.16	-0.35	1.49e-04	3.86e-04	-5.53e-04
43	20	0.17	-0.28	-0.43	1.32e-03	5.47e-04	1.03e-04
43	21	-0.26	0.28	-0.14	-1.42e-03	-5.36e-04	-3.25e-04
43	22	-0.15	0.16	-0.21	-2.51e-04	-3.75e-04	3.31e-04
43	23	0.07	-0.16	-0.36	1.81e-04	3.89e-04	-5.57e-04
43	24	0.17	-0.27	-0.42	1.28e-03	5.43e-04	1.06e-04
43	25	-0.25	0.27	-0.14	-1.39e-03	-5.32e-04	-3.29e-04
43	26	-0.15	0.16	-0.21	-2.83e-04	-3.78e-04	3.35e-04
43	27	-0.17	0.14	-0.19	-1.77e-03	-1.30e-04	-1.24e-03
43	28	0.18	-0.26	-0.44	2.12e-03	4.08e-04	9.45e-04
43	29	-0.27	0.26	-0.13	-2.22e-03	-3.97e-04	-1.17e-03
43	30	0.08	-0.14	-0.38	1.67e-03	1.41e-04	1.02e-03
43	31	-0.17	0.14	-0.19	-1.76e-03	-1.25e-04	-1.24e-03
43	32	0.18	-0.26	-0.44	2.13e-03	4.13e-04	9.48e-04
43	33	-0.27	0.27	-0.13	-2.23e-03	-4.02e-04	-1.17e-03
43	34	0.08	-0.13	-0.38	1.66e-03	1.36e-04	1.02e-03
43	35	-0.16	0.12	-0.20	-1.67e-03	-1.18e-04	-1.25e-03
43	36	0.17	-0.24	-0.42	2.01e-03	3.96e-04	9.57e-04
43	37	-0.26	0.24	-0.14	-2.11e-03	-3.85e-04	-1.18e-03
43	38	0.08	-0.11	-0.36	1.56e-03	1.29e-04	1.03e-03
43	39	-0.16	0.11	-0.20	-1.65e-03	-1.13e-04	-1.25e-03
43	40	0.17	-0.24	-0.43	2.02e-03	4.01e-04	9.60e-04
43	41	-0.26	0.24	-0.14	-2.12e-03	-3.90e-04	-1.18e-03
43	42	0.08	-0.11	-0.36	1.55e-03	1.24e-04	1.03e-03
43	43	0.04	-0.12	-0.33	7.66e-05	2.93e-04	-4.68e-04
43	44	0.12	-0.21	-0.39	1.00e-03	4.20e-04	5.16e-05
43	45	-0.21	0.21	-0.18	-1.10e-03	-4.09e-04	-2.74e-04
43	46	-0.13	0.12	-0.23	-1.79e-04	-2.82e-04	2.46e-04

43	47	0.04	-0.12	-0.34	1.02e-04	2.96e-04	-4.71e-04
43	48	0.12	-0.21	-0.39	9.76e-04	4.17e-04	5.45e-05
43	49	-0.21	0.21	-0.18	-1.08e-03	-4.06e-04	-2.77e-04
43	50	-0.13	0.12	-0.23	-2.05e-04	-2.85e-04	2.49e-04
43	51	0.04	-0.12	-0.34	1.07e-04	3.06e-04	-4.60e-04
43	52	0.13	-0.22	-0.40	1.03e-03	4.33e-04	5.92e-05
43	53	-0.21	0.22	-0.17	-1.13e-03	-4.22e-04	-2.81e-04
43	54	-0.13	0.12	-0.23	-2.10e-04	-2.95e-04	2.38e-04
43	55	0.04	-0.13	-0.34	1.32e-04	3.09e-04	-4.63e-04
43	56	0.12	-0.21	-0.39	1.01e-03	4.30e-04	6.21e-05
43	57	-0.21	0.21	-0.17	-1.11e-03	-4.19e-04	-2.84e-04
43	58	-0.13	0.13	-0.23	-2.35e-04	-2.98e-04	2.41e-04
43	59	-0.14	0.11	-0.21	-1.41e-03	-1.02e-04	-1.01e-03
43	60	0.13	-0.21	-0.40	1.67e-03	3.23e-04	7.26e-04
43	61	-0.22	0.21	-0.16	-1.77e-03	-3.12e-04	-9.48e-04
43	62	0.06	-0.11	-0.36	1.31e-03	1.13e-04	7.84e-04
43	63	-0.14	0.11	-0.21	-1.41e-03	-9.78e-05	-1.00e-03
43	64	0.13	-0.21	-0.41	1.68e-03	3.27e-04	7.28e-04
43	65	-0.22	0.21	-0.16	-1.78e-03	-3.16e-04	-9.50e-04
43	66	0.06	-0.11	-0.36	1.30e-03	1.09e-04	7.82e-04
43	67	-0.14	0.09	-0.22	-1.33e-03	-9.18e-05	-1.02e-03
43	68	0.13	-0.19	-0.40	1.58e-03	3.13e-04	7.35e-04
43	69	-0.21	0.19	-0.17	-1.68e-03	-3.02e-04	-9.58e-04
43	70	0.05	-0.09	-0.35	1.23e-03	1.03e-04	7.94e-04
43	71	-0.14	0.09	-0.22	-1.32e-03	-8.79e-05	-1.01e-03
43	72	0.13	-0.19	-0.40	1.59e-03	3.17e-04	7.38e-04
43	73	-0.21	0.19	-0.17	-1.69e-03	-3.06e-04	-9.60e-04
43	74	0.05	-0.09	-0.35	1.22e-03	9.88e-05	7.91e-04
43	75	0.03	-0.10	-0.32	5.45e-05	2.43e-04	-4.06e-04
43	76	0.09	-0.17	-0.37	8.18e-04	3.49e-04	2.32e-05
43	77	-0.18	0.18	-0.19	-9.21e-04	-3.38e-04	-2.46e-04
43	78	-0.11	0.10	-0.24	-1.57e-04	-2.32e-04	1.84e-04
43	79	0.03	-0.10	-0.33	7.54e-05	2.46e-04	-4.09e-04
43	80	0.09	-0.17	-0.37	7.97e-04	3.46e-04	2.56e-05
43	81	-0.18	0.17	-0.20	-9.00e-04	-3.35e-04	-2.48e-04
43	82	-0.11	0.10	-0.24	-1.78e-04	-2.35e-04	1.86e-04
43	83	0.03	-0.10	-0.33	7.94e-05	2.54e-04	-4.00e-04
43	84	0.10	-0.18	-0.38	8.43e-04	3.59e-04	2.94e-05
43	85	-0.18	0.18	-0.19	-9.46e-04	-3.48e-04	-2.52e-04
43	86	-0.11	0.10	-0.24	-1.82e-04	-2.43e-04	1.78e-04
43	87	0.03	-0.11	-0.33	1.00e-04	2.56e-04	-4.02e-04
43	88	0.10	-0.18	-0.37	8.22e-04	3.57e-04	3.18e-05
43	89	-0.18	0.18	-0.19	-9.25e-04	-3.46e-04	-2.54e-04
43	90	-0.12	0.11	-0.24	-2.03e-04	-2.45e-04	1.80e-04
43	91	-0.13	0.09	-0.22	-1.18e-03	-8.31e-05	-8.51e-04
43	92	0.10	-0.17	-0.38	1.37e-03	2.68e-04	5.80e-04
43	93	-0.19	0.17	-0.18	-1.47e-03	-2.57e-04	-8.03e-04
43	94	0.04	-0.09	-0.34	1.08e-03	9.40e-05	6.29e-04
43	95	-0.13	0.09	-0.22	-1.17e-03	-7.99e-05	-8.49e-04
43	96	0.10	-0.17	-0.38	1.38e-03	2.71e-04	5.82e-04
43	97	-0.19	0.17	-0.18	-1.48e-03	-2.61e-04	-8.05e-04
43	98	0.04	-0.09	-0.34	1.07e-03	9.08e-05	6.27e-04
43	99	-0.12	0.08	-0.23	-1.11e-03	-7.49e-05	-8.59e-04
43	100	0.10	-0.16	-0.38	1.30e-03	2.60e-04	5.88e-04
43	101	-0.18	0.16	-0.19	-1.40e-03	-2.49e-04	-8.11e-04
43	102	0.04	-0.07	-0.34	1.01e-03	8.59e-05	6.37e-04
43	103	-0.12	0.07	-0.23	-1.10e-03	-7.17e-05	-8.57e-04
43	104	0.10	-0.16	-0.38	1.31e-03	2.63e-04	5.90e-04
43	105	-0.18	0.16	-0.19	-1.41e-03	-2.52e-04	-8.13e-04
43	106	0.04	-0.07	-0.34	9.98e-04	8.27e-05	6.35e-04
44	1	-0.01	0.09	-0.30	-1.15e-04	8.41e-05	-4.84e-05
44	2	-0.06	0.22	-0.40	-4.90e-05	3.98e-04	-4.41e-05
44	3	-7.76e-03	0.06	-0.23	-8.96e-05	5.87e-05	-3.73e-05
44	4	-0.06	0.20	-0.33	-2.37e-05	3.73e-04	-3.31e-05
44	5	-8.27e-03	0.07	-0.23	-8.89e-05	6.21e-05	-3.72e-05
44	6	-0.04	0.15	-0.30	-4.50e-05	2.72e-04	-3.44e-05
44	7	-8.27e-03	0.07	-0.23	-8.89e-05	6.21e-05	-3.72e-05
44	8	-0.03	0.13	-0.28	-5.82e-05	2.09e-04	-3.53e-05
44	9	-8.27e-03	0.07	-0.23	-8.89e-05	6.21e-05	-3.72e-05
44	10	-0.03	0.12	-0.27	-6.26e-05	1.88e-04	-3.56e-05
44	11	0.25	1.22	-0.25	-1.96e-03	8.86e-04	-1.42e-03
44	12	0.34	-0.27	-0.22	6.44e-04	5.13e-04	-5.64e-04

44	13	-0.39	0.51	-0.32	-7.69e-04	-1.37e-04	4.93e-04
44	14	-0.30	-0.98	-0.28	1.84e-03	-5.11e-04	1.35e-03
44	15	0.35	1.27	-0.25	-2.04e-03	9.26e-04	-1.52e-03
44	16	0.23	-0.32	-0.22	7.25e-04	4.73e-04	-4.65e-04
44	17	-0.29	0.56	-0.32	-8.50e-04	-9.75e-05	3.94e-04
44	18	-0.41	-1.03	-0.28	1.92e-03	-5.50e-04	1.45e-03
44	19	0.26	1.21	-0.25	-1.93e-03	9.09e-04	-1.47e-03
44	20	0.35	-0.28	-0.22	6.72e-04	5.35e-04	-6.18e-04
44	21	-0.41	0.52	-0.32	-7.97e-04	-1.60e-04	5.47e-04
44	22	-0.32	-0.97	-0.29	1.81e-03	-5.33e-04	1.40e-03
44	23	0.37	1.26	-0.25	-2.01e-03	9.48e-04	-1.57e-03
44	24	0.25	-0.33	-0.22	7.52e-04	4.96e-04	-5.19e-04
44	25	-0.30	0.57	-0.32	-8.78e-04	-1.20e-04	4.48e-04
44	26	-0.42	-1.02	-0.29	1.89e-03	-5.73e-04	1.50e-03
44	27	-0.08	2.71	-0.31	-4.58e-03	9.64e-04	-1.75e-03
44	28	0.22	-2.25	-0.20	4.10e-03	-2.81e-04	1.11e-03
44	29	-0.27	2.49	-0.33	-4.22e-03	6.57e-04	-1.18e-03
44	30	0.02	-2.47	-0.22	4.46e-03	-5.88e-04	1.68e-03
44	31	-0.07	2.70	-0.31	-4.57e-03	9.71e-04	-1.77e-03
44	32	0.22	-2.26	-0.20	4.11e-03	-2.75e-04	1.09e-03
44	33	-0.28	2.50	-0.33	-4.23e-03	6.50e-04	-1.16e-03
44	34	0.02	-2.46	-0.22	4.45e-03	-5.95e-04	1.70e-03
44	35	0.27	2.87	-0.31	-4.85e-03	1.10e-03	-2.08e-03
44	36	-0.13	-2.42	-0.21	4.37e-03	-4.13e-04	1.44e-03
44	37	0.08	2.66	-0.33	-4.49e-03	7.88e-04	-1.51e-03
44	38	-0.32	-2.63	-0.23	4.73e-03	-7.19e-04	2.01e-03
44	39	0.27	2.87	-0.31	-4.84e-03	1.10e-03	-2.10e-03
44	40	-0.13	-2.42	-0.21	4.38e-03	-4.06e-04	1.42e-03
44	41	0.07	2.66	-0.33	-4.50e-03	7.81e-04	-1.49e-03
44	42	-0.33	-2.63	-0.23	4.72e-03	-7.26e-04	2.03e-03
44	43	0.19	0.99	-0.26	-1.57e-03	7.41e-04	-1.13e-03
44	44	0.26	-0.19	-0.23	4.98e-04	4.45e-04	-4.53e-04
44	45	-0.32	0.43	-0.31	-6.23e-04	-6.95e-05	3.82e-04
44	46	-0.25	-0.75	-0.28	1.44e-03	-3.66e-04	1.06e-03
44	47	0.27	1.03	-0.26	-1.63e-03	7.72e-04	-1.21e-03
44	48	0.18	-0.23	-0.23	5.62e-04	4.14e-04	-3.74e-04
44	49	-0.23	0.47	-0.31	-6.87e-04	-3.83e-05	3.03e-04
44	50	-0.33	-0.79	-0.28	1.51e-03	-3.97e-04	1.14e-03
44	51	0.20	0.98	-0.25	-1.54e-03	7.59e-04	-1.17e-03
44	52	0.27	-0.20	-0.23	5.20e-04	4.63e-04	-4.95e-04
44	53	-0.33	0.44	-0.31	-6.45e-04	-8.75e-05	4.24e-04
44	54	-0.26	-0.74	-0.28	1.42e-03	-3.84e-04	1.10e-03
44	55	0.29	1.02	-0.25	-1.61e-03	7.90e-04	-1.25e-03
44	56	0.19	-0.24	-0.23	5.84e-04	4.32e-04	-4.16e-04
44	57	-0.25	0.48	-0.31	-7.09e-04	-5.63e-05	3.45e-04
44	58	-0.34	-0.78	-0.28	1.48e-03	-4.15e-04	1.18e-03
44	59	-0.07	2.17	-0.30	-3.64e-03	8.03e-04	-1.39e-03
44	60	0.17	-1.76	-0.22	3.24e-03	-1.84e-04	8.69e-04
44	61	-0.22	2.00	-0.32	-3.36e-03	5.60e-04	-9.41e-04
44	62	0.01	-1.93	-0.23	3.52e-03	-4.27e-04	1.32e-03
44	63	-0.06	2.17	-0.30	-3.64e-03	8.08e-04	-1.41e-03
44	64	0.17	-1.77	-0.22	3.24e-03	-1.79e-04	8.57e-04
44	65	-0.22	2.00	-0.32	-3.37e-03	5.54e-04	-9.28e-04
44	66	9.19e-03	-1.93	-0.23	3.51e-03	-4.33e-04	1.34e-03
44	67	0.21	2.30	-0.30	-3.86e-03	9.07e-04	-1.66e-03
44	68	-0.11	-1.89	-0.22	3.45e-03	-2.88e-04	1.13e-03
44	69	0.05	2.13	-0.32	-3.58e-03	6.64e-04	-1.20e-03
44	70	-0.26	-2.06	-0.23	3.73e-03	-5.31e-04	1.58e-03
44	71	0.21	2.30	-0.30	-3.85e-03	9.12e-04	-1.67e-03
44	72	-0.11	-1.90	-0.22	3.46e-03	-2.83e-04	1.12e-03
44	73	0.05	2.13	-0.32	-3.58e-03	6.58e-04	-1.19e-03
44	74	-0.27	-2.06	-0.24	3.73e-03	-5.37e-04	1.60e-03
44	75	0.15	0.84	-0.26	-1.31e-03	6.45e-04	-9.42e-04
44	76	0.21	-0.13	-0.24	4.01e-04	4.01e-04	-3.81e-04
44	77	-0.27	0.37	-0.30	-5.26e-04	-2.48e-05	3.10e-04
44	78	-0.21	-0.60	-0.28	1.18e-03	-2.70e-04	8.71e-04
44	79	0.22	0.87	-0.26	-1.36e-03	6.71e-04	-1.01e-03
44	80	0.14	-0.17	-0.24	4.53e-04	3.75e-04	-3.16e-04
44	81	-0.20	0.41	-0.30	-5.79e-04	0.0	2.45e-04
44	82	-0.28	-0.63	-0.28	1.23e-03	-2.95e-04	9.36e-04
44	83	0.16	0.83	-0.26	-1.29e-03	6.60e-04	-9.77e-04
44	84	0.22	-0.14	-0.24	4.19e-04	4.15e-04	-4.16e-04

44	85	-0.28	0.38	-0.30	-5.44e-04	-3.97e-05	3.44e-04
44	86	-0.22	-0.59	-0.28	1.16e-03	-2.84e-04	9.06e-04
44	87	0.23	0.86	-0.26	-1.34e-03	6.86e-04	-1.04e-03
44	88	0.15	-0.18	-0.24	4.72e-04	3.90e-04	-3.51e-04
44	89	-0.21	0.41	-0.30	-5.97e-04	-1.39e-05	2.80e-04
44	90	-0.29	-0.63	-0.28	1.22e-03	-3.10e-04	9.71e-04
44	91	-0.06	1.81	-0.30	-3.02e-03	6.96e-04	-1.16e-03
44	92	0.13	-1.44	-0.23	2.66e-03	-1.20e-04	7.12e-04
44	93	-0.19	1.67	-0.31	-2.79e-03	4.95e-04	-7.83e-04
44	94	6.04e-03	-1.58	-0.24	2.90e-03	-3.21e-04	1.09e-03
44	95	-0.06	1.81	-0.30	-3.02e-03	7.01e-04	-1.17e-03
44	96	0.13	-1.44	-0.23	2.67e-03	-1.15e-04	7.02e-04
44	97	-0.19	1.68	-0.31	-2.79e-03	4.91e-04	-7.73e-04
44	98	2.81e-03	-1.57	-0.24	2.89e-03	-3.25e-04	1.10e-03
44	99	0.17	1.92	-0.30	-3.20e-03	7.82e-04	-1.37e-03
44	100	-0.10	-1.54	-0.23	2.84e-03	-2.05e-04	9.28e-04
44	101	0.04	1.78	-0.31	-2.97e-03	5.81e-04	-9.99e-04
44	102	-0.22	-1.68	-0.24	3.07e-03	-4.06e-04	1.30e-03
44	103	0.17	1.92	-0.30	-3.19e-03	7.87e-04	-1.39e-03
44	104	-0.09	-1.55	-0.23	2.85e-03	-2.01e-04	9.18e-04
44	105	0.04	1.78	-0.31	-2.97e-03	5.77e-04	-9.89e-04
44	106	-0.22	-1.68	-0.24	3.07e-03	-4.11e-04	1.31e-03
45	1	-0.01	1.21e-04	-0.28	1.38e-04	1.03e-04	-1.51e-04
45	2	-0.07	1.73e-03	-0.47	7.26e-04	2.74e-04	-6.39e-04
45	3	-7.69e-03	6.30e-05	-0.21	9.47e-05	7.63e-05	-1.07e-04
45	4	-0.07	1.67e-03	-0.41	6.83e-04	2.47e-04	-5.95e-04
45	5	-8.33e-03	8.02e-05	-0.22	1.01e-04	7.81e-05	-1.12e-04
45	6	-0.05	1.15e-03	-0.34	4.93e-04	1.92e-04	-4.38e-04
45	7	-8.33e-03	8.02e-05	-0.22	1.01e-04	7.81e-05	-1.12e-04
45	8	-0.04	8.30e-04	-0.31	3.76e-04	1.58e-04	-3.40e-04
45	9	-8.33e-03	8.02e-05	-0.22	1.01e-04	7.81e-05	-1.12e-04
45	10	-0.03	7.23e-04	-0.29	3.36e-04	1.46e-04	-3.07e-04
45	11	0.12	-0.15	-0.36	2.08e-03	1.99e-03	-1.60e-03
45	12	0.16	-0.27	-0.30	3.56e-03	9.47e-04	-9.30e-04
45	13	-0.23	0.27	-0.28	-2.89e-03	-6.55e-04	3.15e-04
45	14	-0.18	0.15	-0.23	-1.41e-03	-1.70e-03	9.82e-04
45	15	0.12	-0.15	-0.36	2.19e-03	2.04e-03	-1.66e-03
45	16	0.16	-0.26	-0.30	3.45e-03	8.96e-04	-8.68e-04
45	17	-0.23	0.26	-0.28	-2.78e-03	-6.03e-04	2.53e-04
45	18	-0.18	0.15	-0.23	-1.52e-03	-1.75e-03	1.04e-03
45	19	0.12	-0.16	-0.36	2.21e-03	2.02e-03	-1.64e-03
45	20	0.16	-0.28	-0.31	3.70e-03	9.75e-04	-9.71e-04
45	21	-0.23	0.28	-0.28	-3.02e-03	-6.82e-04	3.57e-04
45	22	-0.18	0.16	-0.23	-1.54e-03	-1.72e-03	1.02e-03
45	23	0.12	-0.16	-0.36	2.32e-03	2.07e-03	-1.70e-03
45	24	0.16	-0.27	-0.30	3.59e-03	9.24e-04	-9.10e-04
45	25	-0.23	0.27	-0.28	-2.91e-03	-6.31e-04	2.95e-04
45	26	-0.18	0.16	-0.23	-1.65e-03	-1.78e-03	1.09e-03
45	27	-0.06	0.14	-0.39	-1.39e-03	2.28e-03	-1.71e-03
45	28	0.10	-0.26	-0.22	3.55e-03	-1.19e-03	5.19e-04
45	29	-0.16	0.26	-0.37	-2.88e-03	1.49e-03	-1.13e-03
45	30	-7.45e-03	-0.14	-0.19	2.06e-03	-1.99e-03	1.09e-03
45	31	-0.06	0.14	-0.39	-1.35e-03	2.29e-03	-1.72e-03
45	32	0.10	-0.26	-0.22	3.59e-03	-1.19e-03	5.06e-04
45	33	-0.16	0.27	-0.37	-2.92e-03	1.48e-03	-1.12e-03
45	34	-8.26e-03	-0.13	-0.19	2.02e-03	-2.00e-03	1.10e-03
45	35	-0.06	0.12	-0.40	-1.02e-03	2.45e-03	-1.91e-03
45	36	0.10	-0.24	-0.21	3.18e-03	-1.36e-03	7.24e-04
45	37	-0.16	0.24	-0.37	-2.51e-03	1.66e-03	-1.34e-03
45	38	-6.84e-03	-0.11	-0.19	1.69e-03	-2.16e-03	1.30e-03
45	39	-0.06	0.11	-0.40	-9.79e-04	2.46e-03	-1.92e-03
45	40	0.10	-0.24	-0.21	3.22e-03	-1.36e-03	7.11e-04
45	41	-0.16	0.24	-0.37	-2.55e-03	1.65e-03	-1.33e-03
45	42	-7.65e-03	-0.11	-0.19	1.65e-03	-2.17e-03	1.31e-03
45	43	0.08	-0.12	-0.34	1.71e-03	1.61e-03	-1.33e-03
45	44	0.12	-0.21	-0.30	2.88e-03	7.79e-04	-7.97e-04
45	45	-0.19	0.21	-0.28	-2.21e-03	-4.86e-04	1.82e-04
45	46	-0.15	0.12	-0.24	-1.04e-03	-1.31e-03	7.11e-04
45	47	0.08	-0.12	-0.34	1.80e-03	1.65e-03	-1.37e-03
45	48	0.12	-0.20	-0.30	2.80e-03	7.39e-04	-7.48e-04
45	49	-0.19	0.21	-0.28	-2.12e-03	-4.46e-04	1.33e-04
45	50	-0.15	0.12	-0.24	-1.13e-03	-1.35e-03	7.59e-04

45	51	0.09	-0.12	-0.34	1.82e-03	1.63e-03	-1.36e-03
45	52	0.12	-0.22	-0.30	2.99e-03	8.01e-04	-8.31e-04
45	53	-0.19	0.22	-0.28	-2.32e-03	-5.08e-04	2.16e-04
45	54	-0.15	0.12	-0.24	-1.14e-03	-1.33e-03	7.44e-04
45	55	0.09	-0.13	-0.35	1.91e-03	1.67e-03	-1.41e-03
45	56	0.12	-0.21	-0.30	2.90e-03	7.60e-04	-7.82e-04
45	57	-0.19	0.21	-0.28	-2.23e-03	-4.67e-04	1.67e-04
45	58	-0.15	0.13	-0.24	-1.23e-03	-1.37e-03	7.93e-04
45	59	-0.05	0.11	-0.37	-1.03e-03	1.84e-03	-1.41e-03
45	60	0.07	-0.21	-0.23	2.88e-03	-9.17e-04	3.47e-04
45	61	-0.13	0.21	-0.35	-2.21e-03	1.21e-03	-9.61e-04
45	62	-0.01	-0.11	-0.21	1.70e-03	-1.54e-03	7.99e-04
45	63	-0.05	0.11	-0.37	-9.99e-04	1.84e-03	-1.42e-03
45	64	0.07	-0.21	-0.23	2.91e-03	-9.10e-04	3.37e-04
45	65	-0.13	0.21	-0.35	-2.24e-03	1.20e-03	-9.51e-04
45	66	-0.01	-0.11	-0.21	1.67e-03	-1.55e-03	8.09e-04
45	67	-0.05	0.09	-0.37	-7.37e-04	1.97e-03	-1.58e-03
45	68	0.07	-0.19	-0.23	2.59e-03	-1.05e-03	5.10e-04
45	69	-0.13	0.19	-0.36	-1.91e-03	1.34e-03	-1.12e-03
45	70	-0.01	-0.09	-0.21	1.41e-03	-1.68e-03	9.62e-04
45	71	-0.05	0.09	-0.38	-7.05e-04	1.98e-03	-1.59e-03
45	72	0.07	-0.19	-0.23	2.62e-03	-1.05e-03	5.00e-04
45	73	-0.13	0.19	-0.36	-1.95e-03	1.34e-03	-1.11e-03
45	74	-0.01	-0.09	-0.21	1.38e-03	-1.69e-03	9.72e-04
45	75	0.06	-0.10	-0.33	1.47e-03	1.35e-03	-1.15e-03
45	76	0.09	-0.17	-0.30	2.44e-03	6.70e-04	-7.13e-04
45	77	-0.16	0.18	-0.28	-1.77e-03	-3.77e-04	9.78e-05
45	78	-0.13	0.10	-0.25	-8.01e-04	-1.06e-03	5.34e-04
45	79	0.06	-0.10	-0.34	1.55e-03	1.39e-03	-1.19e-03
45	80	0.09	-0.17	-0.30	2.37e-03	6.36e-04	-6.72e-04
45	81	-0.16	0.17	-0.29	-1.70e-03	-3.44e-04	5.73e-05
45	82	-0.13	0.10	-0.25	-8.74e-04	-1.09e-03	5.75e-04
45	83	0.07	-0.10	-0.33	1.56e-03	1.37e-03	-1.18e-03
45	84	0.10	-0.18	-0.30	2.53e-03	6.87e-04	-7.40e-04
45	85	-0.16	0.18	-0.28	-1.86e-03	-3.95e-04	1.25e-04
45	86	-0.13	0.10	-0.25	-8.89e-04	-1.08e-03	5.62e-04
45	87	0.07	-0.11	-0.34	1.63e-03	1.40e-03	-1.22e-03
45	88	0.10	-0.18	-0.30	2.46e-03	6.54e-04	-7.00e-04
45	89	-0.16	0.18	-0.29	-1.79e-03	-3.61e-04	8.49e-05
45	90	-0.13	0.11	-0.25	-9.62e-04	-1.11e-03	6.02e-04
45	91	-0.05	0.09	-0.36	-7.94e-04	1.54e-03	-1.22e-03
45	92	0.05	-0.17	-0.24	2.44e-03	-7.32e-04	2.33e-04
45	93	-0.12	0.17	-0.34	-1.77e-03	1.02e-03	-8.48e-04
45	94	-0.02	-0.09	-0.23	1.47e-03	-1.25e-03	6.07e-04
45	95	-0.05	0.09	-0.36	-7.67e-04	1.55e-03	-1.23e-03
45	96	0.05	-0.17	-0.24	2.47e-03	-7.27e-04	2.25e-04
45	97	-0.12	0.17	-0.34	-1.79e-03	1.02e-03	-8.40e-04
45	98	-0.02	-0.09	-0.23	1.44e-03	-1.26e-03	6.15e-04
45	99	-0.05	0.08	-0.36	-5.51e-04	1.66e-03	-1.36e-03
45	100	0.05	-0.16	-0.24	2.20e-03	-8.44e-04	3.68e-04
45	101	-0.12	0.16	-0.35	-1.52e-03	1.14e-03	-9.83e-04
45	102	-0.02	-0.07	-0.22	1.22e-03	-1.36e-03	7.42e-04
45	103	-0.05	0.07	-0.36	-5.24e-04	1.66e-03	-1.37e-03
45	104	0.05	-0.16	-0.24	2.22e-03	-8.38e-04	3.60e-04
45	105	-0.12	0.16	-0.35	-1.55e-03	1.13e-03	-9.74e-04
45	106	-0.02	-0.07	-0.22	1.20e-03	-1.37e-03	7.50e-04
46	1	-7.86e-03	0.08	-0.31	-1.43e-04	5.08e-05	-4.82e-05
46	2	-0.06	0.22	-0.44	-1.95e-04	2.54e-04	-4.34e-05
46	3	-5.13e-03	0.06	-0.24	-1.09e-04	3.53e-05	-3.72e-05
46	4	-0.05	0.19	-0.37	-1.61e-04	2.38e-04	-3.24e-05
46	5	-5.65e-03	0.06	-0.24	-1.10e-04	3.74e-05	-3.71e-05
46	6	-0.04	0.15	-0.32	-1.44e-04	1.73e-04	-3.39e-05
46	7	-5.65e-03	0.06	-0.24	-1.10e-04	3.74e-05	-3.71e-05
46	8	-0.03	0.13	-0.30	-1.34e-04	1.32e-04	-3.49e-05
46	9	-5.65e-03	0.06	-0.24	-1.10e-04	3.74e-05	-3.71e-05
46	10	-0.03	0.12	-0.29	-1.30e-04	1.19e-04	-3.52e-05
46	11	0.42	0.54	-0.36	-1.96e-03	8.76e-04	-1.42e-03
46	12	0.28	-0.89	-0.13	5.53e-04	4.18e-04	-5.62e-04
46	13	-0.33	1.12	-0.45	-8.14e-04	-1.81e-04	4.92e-04
46	14	-0.47	-0.30	-0.22	1.70e-03	-6.39e-04	1.35e-03
46	15	0.45	0.58	-0.37	-2.04e-03	9.19e-04	-1.52e-03
46	16	0.26	-0.93	-0.12	6.30e-04	3.75e-04	-4.64e-04

46	17	-0.31	1.16	-0.46	-8.91e-04	-1.38e-04	3.93e-04
46	18	-0.50	-0.35	-0.21	1.78e-03	-6.82e-04	1.45e-03
46	19	0.44	1.10	-0.45	-1.94e-03	8.98e-04	-1.47e-03
46	20	0.31	-0.33	-0.22	5.78e-04	4.40e-04	-6.15e-04
46	21	-0.36	0.56	-0.36	-8.39e-04	-2.03e-04	5.45e-04
46	22	-0.49	-0.87	-0.13	1.68e-03	-6.61e-04	1.40e-03
46	23	0.47	1.14	-0.46	-2.01e-03	9.41e-04	-1.57e-03
46	24	0.28	-0.37	-0.21	6.55e-04	3.97e-04	-5.16e-04
46	25	-0.33	0.60	-0.37	-9.16e-04	-1.60e-04	4.46e-04
46	26	-0.52	-0.91	-0.12	1.75e-03	-7.04e-04	1.50e-03
46	27	0.32	2.41	-0.67	-4.49e-03	1.04e-03	-1.75e-03
46	28	-0.14	-2.35	0.11	3.89e-03	-4.87e-04	1.11e-03
46	29	0.09	2.58	-0.69	-4.15e-03	7.24e-04	-1.18e-03
46	30	-0.37	-2.17	0.09	4.23e-03	-8.04e-04	1.68e-03
46	31	0.33	2.58	-0.69	-4.48e-03	1.05e-03	-1.76e-03
46	32	-0.14	-2.18	0.09	3.89e-03	-4.80e-04	1.09e-03
46	33	0.09	2.41	-0.67	-4.16e-03	7.17e-04	-1.16e-03
46	34	-0.38	-2.34	0.11	4.22e-03	-8.10e-04	1.69e-03
46	35	0.40	2.55	-0.69	-4.75e-03	1.18e-03	-2.08e-03
46	36	-0.22	-2.49	0.14	4.15e-03	-6.29e-04	1.43e-03
46	37	0.17	2.72	-0.72	-4.41e-03	8.66e-04	-1.50e-03
46	38	-0.45	-2.31	0.11	4.49e-03	-9.46e-04	2.01e-03
46	39	0.41	2.72	-0.72	-4.74e-03	1.19e-03	-2.09e-03
46	40	-0.22	-2.32	0.11	4.15e-03	-6.23e-04	1.42e-03
46	41	0.17	2.55	-0.69	-4.41e-03	8.60e-04	-1.49e-03
46	42	-0.46	-2.48	0.14	4.48e-03	-9.53e-04	2.02e-03
46	43	0.33	0.45	-0.35	-1.58e-03	7.19e-04	-1.13e-03
46	44	0.22	-0.68	-0.16	4.12e-04	3.56e-04	-4.51e-04
46	45	-0.27	0.91	-0.42	-6.72e-04	-1.19e-04	3.81e-04
46	46	-0.38	-0.22	-0.23	1.32e-03	-4.82e-04	1.06e-03
46	47	0.35	0.48	-0.35	-1.64e-03	7.53e-04	-1.21e-03
46	48	0.20	-0.71	-0.16	4.73e-04	3.22e-04	-3.73e-04
46	49	-0.25	0.95	-0.42	-7.34e-04	-8.47e-05	3.03e-04
46	50	-0.40	-0.25	-0.23	1.38e-03	-5.16e-04	1.14e-03
46	51	0.35	0.90	-0.42	-1.56e-03	7.37e-04	-1.17e-03
46	52	0.24	-0.24	-0.23	4.31e-04	3.73e-04	-4.93e-04
46	53	-0.29	0.47	-0.35	-6.92e-04	-1.36e-04	4.22e-04
46	54	-0.40	-0.66	-0.16	1.30e-03	-4.99e-04	1.10e-03
46	55	0.37	0.93	-0.42	-1.62e-03	7.71e-04	-1.25e-03
46	56	0.22	-0.27	-0.23	4.93e-04	3.40e-04	-4.14e-04
46	57	-0.27	0.50	-0.35	-7.54e-04	-1.02e-04	3.44e-04
46	58	-0.42	-0.70	-0.16	1.36e-03	-5.33e-04	1.18e-03
46	59	0.25	1.93	-0.59	-3.59e-03	8.50e-04	-1.39e-03
46	60	-0.12	-1.84	0.03	3.05e-03	-3.61e-04	8.69e-04
46	61	0.07	2.07	-0.61	-3.32e-03	5.98e-04	-9.39e-04
46	62	-0.30	-1.70	8.50e-03	3.33e-03	-6.12e-04	1.32e-03
46	63	0.25	2.07	-0.61	-3.58e-03	8.55e-04	-1.40e-03
46	64	-0.11	-1.70	9.47e-03	3.06e-03	-3.56e-04	8.57e-04
46	65	0.06	1.94	-0.59	-3.32e-03	5.93e-04	-9.27e-04
46	66	-0.30	-1.83	0.03	3.32e-03	-6.18e-04	1.33e-03
46	67	0.31	2.04	-0.61	-3.79e-03	9.63e-04	-1.65e-03
46	68	-0.18	-1.95	0.05	3.26e-03	-4.74e-04	1.13e-03
46	69	0.13	2.18	-0.63	-3.52e-03	7.11e-04	-1.20e-03
46	70	-0.36	-1.81	0.03	3.53e-03	-7.25e-04	1.58e-03
46	71	0.32	2.18	-0.63	-3.79e-03	9.68e-04	-1.67e-03
46	72	-0.18	-1.82	0.03	3.26e-03	-4.69e-04	1.12e-03
46	73	0.13	2.05	-0.61	-3.53e-03	7.06e-04	-1.19e-03
46	74	-0.37	-1.94	0.05	3.53e-03	-7.31e-04	1.60e-03
46	75	0.27	0.39	-0.34	-1.33e-03	6.15e-04	-9.40e-04
46	76	0.18	-0.54	-0.18	3.17e-04	3.15e-04	-3.80e-04
46	77	-0.23	0.78	-0.40	-5.78e-04	-7.74e-05	3.09e-04
46	78	-0.32	-0.16	-0.24	1.07e-03	-3.78e-04	8.70e-04
46	79	0.28	0.42	-0.34	-1.38e-03	6.43e-04	-1.01e-03
46	80	0.16	-0.57	-0.18	3.68e-04	2.87e-04	-3.15e-04
46	81	-0.21	0.80	-0.40	-6.29e-04	-4.94e-05	2.45e-04
46	82	-0.33	-0.19	-0.24	1.12e-03	-4.06e-04	9.35e-04
46	83	0.28	0.76	-0.39	-1.31e-03	6.29e-04	-9.74e-04
46	84	0.19	-0.17	-0.24	3.34e-04	3.29e-04	-4.14e-04
46	85	-0.24	0.41	-0.34	-5.95e-04	-9.20e-05	3.43e-04
46	86	-0.33	-0.53	-0.19	1.05e-03	-3.92e-04	9.04e-04
46	87	0.30	0.79	-0.40	-1.36e-03	6.57e-04	-1.04e-03
46	88	0.18	-0.20	-0.24	3.85e-04	3.01e-04	-3.49e-04

46	89	-0.23	0.43	-0.34	-6.45e-04	-6.40e-05	2.79e-04
46	90	-0.35	-0.56	-0.18	1.10e-03	-4.20e-04	9.69e-04
46	91	0.20	1.62	-0.54	-2.99e-03	7.23e-04	-1.16e-03
46	92	-0.10	-1.50	-0.03	2.50e-03	-2.78e-04	7.12e-04
46	93	0.05	1.73	-0.55	-2.76e-03	5.15e-04	-7.82e-04
46	94	-0.25	-1.38	-0.04	2.73e-03	-4.86e-04	1.09e-03
46	95	0.21	1.73	-0.55	-2.98e-03	7.27e-04	-1.17e-03
46	96	-0.10	-1.39	-0.04	2.51e-03	-2.74e-04	7.02e-04
46	97	0.05	1.62	-0.54	-2.77e-03	5.11e-04	-7.72e-04
46	98	-0.26	-1.49	-0.03	2.72e-03	-4.90e-04	1.10e-03
46	99	0.25	1.71	-0.55	-3.16e-03	8.16e-04	-1.37e-03
46	100	-0.15	-1.59	-0.01	2.67e-03	-3.71e-04	9.28e-04
46	101	0.10	1.82	-0.57	-2.93e-03	6.08e-04	-9.98e-04
46	102	-0.30	-1.48	-0.03	2.90e-03	-5.79e-04	1.30e-03
46	103	0.26	1.82	-0.57	-3.15e-03	8.20e-04	-1.38e-03
46	104	-0.15	-1.48	-0.03	2.68e-03	-3.67e-04	9.17e-04
46	105	0.10	1.71	-0.55	-2.94e-03	6.04e-04	-9.88e-04
46	106	-0.31	-1.59	-0.01	2.89e-03	-5.83e-04	1.31e-03
47	1	-5.53e-04	-7.08e-04	-0.29	-2.49e-04	-1.09e-05	3.11e-06
47	2	-8.44e-04	-3.58e-04	-0.40	-5.33e-04	6.21e-05	4.48e-06
47	3	-4.20e-04	-5.51e-04	-0.22	-1.86e-04	-9.76e-06	2.36e-06
47	4	-7.11e-04	-2.01e-04	-0.33	-4.70e-04	6.32e-05	3.74e-06
47	5	-4.23e-04	-5.47e-04	-0.23	-1.89e-04	-8.98e-06	2.38e-06
47	6	-6.17e-04	-3.14e-04	-0.29	-3.79e-04	3.97e-05	3.30e-06
47	7	-4.23e-04	-5.47e-04	-0.23	-1.89e-04	-8.98e-06	2.38e-06
47	8	-5.59e-04	-3.84e-04	-0.27	-3.22e-04	2.51e-05	3.02e-06
47	9	-4.23e-04	-5.47e-04	-0.23	-1.89e-04	-8.98e-06	2.38e-06
47	10	-5.39e-04	-4.07e-04	-0.27	-3.03e-04	2.02e-05	2.93e-06
47	11	0.03	3.55e-03	-0.25	-1.95e-03	7.75e-04	4.74e-05
47	12	0.04	-0.04	-0.22	2.59e-04	1.59e-04	3.69e-05
47	13	-0.04	0.03	-0.31	-8.64e-04	-1.18e-04	-3.11e-05
47	14	-0.03	-4.36e-03	-0.28	1.34e-03	-7.34e-04	-4.15e-05
47	15	0.03	5.42e-03	-0.25	-2.02e-03	8.12e-04	4.74e-05
47	16	0.04	-0.04	-0.22	3.31e-04	1.21e-04	3.69e-05
47	17	-0.04	0.04	-0.31	-9.37e-04	-8.08e-05	-3.11e-05
47	18	-0.03	-6.23e-03	-0.28	1.41e-03	-7.72e-04	-4.15e-05
47	19	0.03	3.96e-03	-0.25	-1.93e-03	7.98e-04	4.78e-05
47	20	0.04	-0.04	-0.22	2.82e-04	1.82e-04	3.74e-05
47	21	-0.04	0.03	-0.32	-8.87e-04	-1.42e-04	-3.15e-05
47	22	-0.03	-4.78e-03	-0.28	1.32e-03	-7.58e-04	-4.19e-05
47	23	0.03	5.83e-03	-0.25	-2.00e-03	8.36e-04	4.78e-05
47	24	0.04	-0.04	-0.22	3.54e-04	1.45e-04	3.74e-05
47	25	-0.04	0.04	-0.31	-9.59e-04	-1.04e-04	-3.15e-05
47	26	-0.03	-6.65e-03	-0.28	1.39e-03	-7.95e-04	-4.19e-05
47	27	-7.41e-03	0.06	-0.31	-4.14e-03	1.18e-03	3.21e-05
47	28	0.03	-0.07	-0.20	3.21e-03	-8.72e-04	-2.71e-06
47	29	-0.03	0.07	-0.33	-3.82e-03	9.13e-04	8.57e-06
47	30	6.33e-03	-0.06	-0.22	3.54e-03	-1.14e-03	-2.62e-05
47	31	-7.42e-03	0.06	-0.31	-4.14e-03	1.19e-03	3.22e-05
47	32	0.03	-0.07	-0.20	3.22e-03	-8.65e-04	-2.58e-06
47	33	-0.03	0.07	-0.33	-3.83e-03	9.06e-04	8.44e-06
47	34	6.34e-03	-0.06	-0.22	3.53e-03	-1.15e-03	-2.64e-05
47	35	-7.66e-03	0.07	-0.31	-4.38e-03	1.31e-03	3.21e-05
47	36	0.03	-0.08	-0.21	3.45e-03	-9.97e-04	-2.70e-06
47	37	-0.03	0.08	-0.33	-4.06e-03	1.04e-03	8.56e-06
47	38	6.58e-03	-0.07	-0.22	3.78e-03	-1.27e-03	-2.62e-05
47	39	-7.66e-03	0.07	-0.31	-4.38e-03	1.31e-03	3.22e-05
47	40	0.03	-0.08	-0.20	3.46e-03	-9.90e-04	-2.58e-06
47	41	-0.03	0.08	-0.33	-4.07e-03	1.03e-03	8.44e-06
47	42	6.58e-03	-0.07	-0.22	3.77e-03	-1.27e-03	-2.64e-05
47	43	0.03	2.81e-03	-0.25	-1.61e-03	6.18e-04	3.77e-05
47	44	0.03	-0.03	-0.23	1.43e-04	1.30e-04	2.96e-05
47	45	-0.04	0.03	-0.30	-7.48e-04	-8.95e-05	-2.38e-05
47	46	-0.03	-3.63e-03	-0.28	1.00e-03	-5.78e-04	-3.18e-05
47	47	0.03	4.30e-03	-0.25	-1.66e-03	6.48e-04	3.77e-05
47	48	0.03	-0.03	-0.23	2.00e-04	1.00e-04	2.96e-05
47	49	-0.04	0.03	-0.30	-8.06e-04	-5.98e-05	-2.38e-05
47	50	-0.03	-5.11e-03	-0.28	1.06e-03	-6.07e-04	-3.18e-05
47	51	0.03	3.17e-03	-0.25	-1.59e-03	6.37e-04	3.79e-05
47	52	0.03	-0.03	-0.23	1.61e-04	1.49e-04	2.99e-05
47	53	-0.04	0.03	-0.30	-7.67e-04	-1.08e-04	-2.40e-05
47	54	-0.03	-3.99e-03	-0.28	9.83e-04	-5.96e-04	-3.21e-05

47	55	0.03	4.65e-03	-0.25	-1.65e-03	6.66e-04	3.79e-05
47	56	0.03	-0.03	-0.23	2.18e-04	1.19e-04	2.99e-05
47	57	-0.04	0.03	-0.30	-8.24e-04	-7.85e-05	-2.40e-05
47	58	-0.03	-5.47e-03	-0.28	1.04e-03	-6.26e-04	-3.21e-05
47	59	-5.96e-03	0.05	-0.30	-3.35e-03	9.40e-04	2.56e-05
47	60	0.02	-0.06	-0.22	2.48e-03	-6.87e-04	-1.31e-06
47	61	-0.02	0.05	-0.32	-3.09e-03	7.28e-04	7.17e-06
47	62	4.88e-03	-0.05	-0.23	2.74e-03	-9.00e-04	-1.98e-05
47	63	-5.98e-03	0.05	-0.30	-3.34e-03	9.46e-04	2.57e-05
47	64	0.02	-0.06	-0.21	2.49e-03	-6.82e-04	-1.24e-06
47	65	-0.02	0.05	-0.32	-3.09e-03	7.22e-04	7.10e-06
47	66	4.90e-03	-0.05	-0.23	2.74e-03	-9.05e-04	-1.98e-05
47	67	-6.16e-03	0.05	-0.30	-3.54e-03	1.04e-03	2.56e-05
47	68	0.02	-0.06	-0.22	2.67e-03	-7.86e-04	-1.28e-06
47	69	-0.02	0.06	-0.31	-3.28e-03	8.27e-04	7.14e-06
47	70	5.08e-03	-0.05	-0.23	2.93e-03	-9.99e-04	-1.97e-05
47	71	-6.17e-03	0.05	-0.30	-3.53e-03	1.04e-03	2.57e-05
47	72	0.02	-0.06	-0.22	2.68e-03	-7.81e-04	-1.21e-06
47	73	-0.02	0.06	-0.31	-3.29e-03	8.21e-04	7.07e-06
47	74	5.09e-03	-0.05	-0.23	2.93e-03	-1.00e-03	-1.98e-05
47	75	0.02	2.23e-03	-0.26	-1.38e-03	5.14e-04	3.18e-05
47	76	0.03	-0.02	-0.23	6.54e-05	1.11e-04	2.51e-05
47	77	-0.03	0.02	-0.30	-6.71e-04	-7.04e-05	-1.92e-05
47	78	-0.02	-3.04e-03	-0.28	7.75e-04	-4.74e-04	-2.59e-05
47	79	0.02	3.45e-03	-0.26	-1.43e-03	5.39e-04	3.18e-05
47	80	0.03	-0.02	-0.24	1.13e-04	8.64e-05	2.51e-05
47	81	-0.03	0.02	-0.30	-7.18e-04	-4.59e-05	-1.92e-05
47	82	-0.02	-4.27e-03	-0.28	8.22e-04	-4.98e-04	-2.59e-05
47	83	0.02	2.53e-03	-0.26	-1.37e-03	5.30e-04	3.20e-05
47	84	0.03	-0.02	-0.23	8.04e-05	1.26e-04	2.53e-05
47	85	-0.03	0.02	-0.30	-6.86e-04	-8.59e-05	-1.94e-05
47	86	-0.02	-3.34e-03	-0.28	7.60e-04	-4.89e-04	-2.61e-05
47	87	0.02	3.75e-03	-0.25	-1.41e-03	5.54e-04	3.19e-05
47	88	0.03	-0.02	-0.23	1.28e-04	1.02e-04	2.53e-05
47	89	-0.03	0.02	-0.30	-7.33e-04	-6.14e-05	-1.94e-05
47	90	-0.02	-4.57e-03	-0.28	8.07e-04	-5.14e-04	-2.61e-05
47	91	-5.02e-03	0.04	-0.30	-2.82e-03	7.80e-04	2.17e-05
47	92	0.02	-0.05	-0.22	2.00e-03	-5.65e-04	0.0
47	93	-0.02	0.05	-0.31	-2.61e-03	6.05e-04	6.44e-06
47	94	3.94e-03	-0.04	-0.24	2.21e-03	-7.40e-04	-1.59e-05
47	95	-5.03e-03	0.04	-0.30	-2.81e-03	7.85e-04	2.18e-05
47	96	0.02	-0.05	-0.22	2.00e-03	-5.60e-04	0.0
47	97	-0.02	0.05	-0.31	-2.61e-03	6.00e-04	6.38e-06
47	98	3.95e-03	-0.04	-0.24	2.21e-03	-7.45e-04	-1.59e-05
47	99	-5.18e-03	0.04	-0.29	-2.98e-03	8.62e-04	2.17e-05
47	100	0.02	-0.05	-0.23	2.16e-03	-6.46e-04	0.0
47	101	-0.02	0.05	-0.31	-2.76e-03	6.87e-04	6.42e-06
47	102	4.10e-03	-0.04	-0.24	2.37e-03	-8.22e-04	-1.59e-05
47	103	-5.19e-03	0.04	-0.29	-2.97e-03	8.67e-04	2.18e-05
47	104	0.02	-0.05	-0.23	2.16e-03	-6.42e-04	0.0
47	105	-0.02	0.05	-0.31	-2.77e-03	6.82e-04	6.37e-06
47	106	4.12e-03	-0.04	-0.24	2.37e-03	-8.26e-04	-1.59e-05
48	1	-0.01	0.05	-0.29	-2.12e-04	-2.47e-05	-4.70e-05
48	2	-0.05	0.14	-0.40	-6.31e-04	-2.08e-04	-1.35e-04
48	3	-8.09e-03	0.04	-0.22	-1.55e-04	-1.55e-05	-3.45e-05
48	4	-0.05	0.12	-0.33	-5.74e-04	-1.99e-04	-1.22e-04
48	5	-8.51e-03	0.04	-0.23	-1.59e-04	-1.75e-05	-3.54e-05
48	6	-0.03	0.10	-0.29	-4.39e-04	-1.40e-04	-9.39e-05
48	7	-8.51e-03	0.04	-0.23	-1.59e-04	-1.75e-05	-3.54e-05
48	8	-0.03	0.08	-0.27	-3.55e-04	-1.03e-04	-7.64e-05
48	9	-8.51e-03	0.04	-0.23	-1.59e-04	-1.75e-05	-3.54e-05
48	10	-0.02	0.07	-0.27	-3.27e-04	-9.09e-05	-7.05e-05
48	11	0.18	0.63	-0.25	-1.24e-03	3.64e-04	-7.33e-04
48	12	0.13	-0.11	-0.22	2.00e-03	5.75e-04	-3.74e-04
48	13	-0.17	0.26	-0.32	-2.65e-03	-7.57e-04	2.33e-04
48	14	-0.23	-0.49	-0.28	5.88e-04	-5.46e-04	5.92e-04
48	15	0.19	0.66	-0.25	-1.34e-03	3.77e-04	-7.81e-04
48	16	0.12	-0.14	-0.22	2.10e-03	5.62e-04	-3.25e-04
48	17	-0.17	0.28	-0.31	-2.75e-03	-7.44e-04	1.84e-04
48	18	-0.24	-0.51	-0.28	6.91e-04	-5.59e-04	6.40e-04
48	19	0.19	0.63	-0.25	-2.61e-03	3.94e-04	-7.65e-04
48	20	0.14	-0.12	-0.22	6.32e-04	6.05e-04	-4.06e-04

48	21	-0.18	0.26	-0.32	-1.29e-03	-7.87e-04	2.65e-04
48	22	-0.24	-0.48	-0.28	1.95e-03	-5.76e-04	6.24e-04
48	23	0.20	0.65	-0.25	-2.71e-03	4.07e-04	-8.14e-04
48	24	0.13	-0.14	-0.22	7.34e-04	5.92e-04	-3.58e-04
48	25	-0.18	0.29	-0.32	-1.39e-03	-7.74e-04	2.17e-04
48	26	-0.25	-0.51	-0.29	2.06e-03	-5.89e-04	6.73e-04
48	27	0.12	1.37	-0.31	-5.52e-03	-2.75e-04	-8.13e-04
48	28	-0.06	-1.11	-0.20	5.28e-03	4.29e-04	3.82e-04
48	29	0.02	1.26	-0.33	-5.94e-03	-6.11e-04	-5.23e-04
48	30	-0.17	-1.22	-0.22	4.86e-03	9.27e-05	6.72e-04
48	31	0.13	1.37	-0.31	-5.93e-03	-2.66e-04	-8.23e-04
48	32	-0.06	-1.11	-0.20	4.87e-03	4.38e-04	3.73e-04
48	33	0.01	1.26	-0.33	-5.53e-03	-6.20e-04	-5.14e-04
48	34	-0.17	-1.22	-0.22	5.27e-03	8.37e-05	6.82e-04
48	35	0.15	1.46	-0.31	-5.86e-03	-2.31e-04	-9.76e-04
48	36	-0.09	-1.20	-0.21	5.63e-03	3.85e-04	5.45e-04
48	37	0.05	1.34	-0.33	-6.28e-03	-5.67e-04	-6.86e-04
48	38	-0.20	-1.31	-0.23	5.20e-03	4.94e-05	8.35e-04
48	39	0.16	1.45	-0.31	-6.27e-03	-2.22e-04	-9.86e-04
48	40	-0.09	-1.20	-0.21	5.22e-03	3.94e-04	5.35e-04
48	41	0.04	1.34	-0.33	-5.87e-03	-5.76e-04	-6.76e-04
48	42	-0.20	-1.31	-0.23	5.61e-03	4.04e-05	8.45e-04
48	43	0.14	0.52	-0.26	-1.05e-03	2.69e-04	-5.94e-04
48	44	0.10	-0.07	-0.23	1.51e-03	4.37e-04	-3.10e-04
48	45	-0.14	0.22	-0.31	-2.17e-03	-6.18e-04	1.69e-04
48	46	-0.19	-0.37	-0.28	3.99e-04	-4.51e-04	4.53e-04
48	47	0.15	0.54	-0.25	-1.13e-03	2.80e-04	-6.33e-04
48	48	0.09	-0.09	-0.23	1.60e-03	4.26e-04	-2.71e-04
48	49	-0.14	0.24	-0.30	-2.25e-03	-6.08e-04	1.30e-04
48	50	-0.19	-0.39	-0.28	4.81e-04	-4.62e-04	4.92e-04
48	51	0.15	0.51	-0.25	-2.13e-03	2.93e-04	-6.20e-04
48	52	0.10	-0.08	-0.23	4.34e-04	4.60e-04	-3.36e-04
48	53	-0.15	0.22	-0.31	-1.09e-03	-6.42e-04	1.95e-04
48	54	-0.20	-0.37	-0.28	1.48e-03	-4.75e-04	4.79e-04
48	55	0.15	0.53	-0.25	-2.22e-03	3.03e-04	-6.59e-04
48	56	0.10	-0.10	-0.23	5.15e-04	4.50e-04	-2.97e-04
48	57	-0.14	0.24	-0.31	-1.17e-03	-6.32e-04	1.56e-04
48	58	-0.20	-0.39	-0.28	1.56e-03	-4.85e-04	5.18e-04
48	59	0.09	1.10	-0.30	-4.44e-03	-2.36e-04	-6.59e-04
48	60	-0.06	-0.86	-0.22	4.12e-03	3.21e-04	2.89e-04
48	61	7.43e-03	1.01	-0.32	-4.77e-03	-5.03e-04	-4.30e-04
48	62	-0.14	-0.95	-0.23	3.79e-03	5.45e-05	5.18e-04
48	63	0.09	1.10	-0.30	-4.76e-03	-2.29e-04	-6.66e-04
48	64	-0.05	-0.87	-0.22	3.80e-03	3.28e-04	2.81e-04
48	65	5.04e-03	1.01	-0.32	-4.45e-03	-5.10e-04	-4.22e-04
48	66	-0.14	-0.95	-0.23	4.11e-03	4.74e-05	5.25e-04
48	67	0.12	1.17	-0.30	-4.71e-03	-2.02e-04	-7.88e-04
48	68	-0.08	-0.93	-0.22	4.39e-03	2.87e-04	4.18e-04
48	69	0.03	1.08	-0.32	-5.05e-03	-4.68e-04	-5.59e-04
48	70	-0.16	-1.02	-0.23	4.06e-03	2.02e-05	6.47e-04
48	71	0.12	1.17	-0.30	-5.03e-03	-1.95e-04	-7.95e-04
48	72	-0.08	-0.93	-0.22	4.07e-03	2.94e-04	4.10e-04
48	73	0.03	1.08	-0.32	-4.72e-03	-4.76e-04	-5.51e-04
48	74	-0.17	-1.02	-0.23	4.38e-03	1.31e-05	6.54e-04
48	75	0.11	0.44	-0.26	-9.27e-04	2.07e-04	-5.04e-04
48	76	0.07	-0.05	-0.24	1.20e-03	3.45e-04	-2.69e-04
48	77	-0.12	0.19	-0.30	-1.85e-03	-5.27e-04	1.28e-04
48	78	-0.16	-0.29	-0.28	2.73e-04	-3.89e-04	3.63e-04
48	79	0.12	0.46	-0.26	-9.94e-04	2.15e-04	-5.36e-04
48	80	0.07	-0.06	-0.24	1.26e-03	3.37e-04	-2.37e-04
48	81	-0.12	0.21	-0.30	-1.92e-03	-5.18e-04	9.58e-05
48	82	-0.17	-0.31	-0.28	3.40e-04	-3.97e-04	3.95e-04
48	83	0.12	0.44	-0.26	-1.82e-03	2.27e-04	-5.25e-04
48	84	0.08	-0.05	-0.23	3.02e-04	3.65e-04	-2.90e-04
48	85	-0.13	0.20	-0.30	-9.56e-04	-5.47e-04	1.49e-04
48	86	-0.17	-0.29	-0.28	1.17e-03	-4.08e-04	3.84e-04
48	87	0.12	0.45	-0.26	-1.89e-03	2.35e-04	-5.57e-04
48	88	0.08	-0.07	-0.24	3.69e-04	3.56e-04	-2.58e-04
48	89	-0.12	0.21	-0.30	-1.02e-03	-5.38e-04	1.17e-04
48	90	-0.17	-0.31	-0.28	1.23e-03	-4.17e-04	4.16e-04
48	91	0.07	0.92	-0.30	-3.73e-03	-2.11e-04	-5.57e-04
48	92	-0.05	-0.70	-0.23	3.35e-03	2.49e-04	2.26e-04

48	93	1.98e-03	0.85	-0.31	-4.00e-03	-4.31e-04	-3.67e-04
48	94	-0.12	-0.78	-0.24	3.07e-03	2.93e-05	4.16e-04
48	95	0.07	0.92	-0.30	-3.99e-03	-2.05e-04	-5.63e-04
48	96	-0.05	-0.70	-0.22	3.08e-03	2.55e-04	2.20e-04
48	97	1.28e-06	0.85	-0.31	-3.73e-03	-4.37e-04	-3.61e-04
48	98	-0.12	-0.77	-0.24	3.34e-03	2.34e-05	4.22e-04
48	99	0.09	0.98	-0.29	-3.95e-03	-1.83e-04	-6.63e-04
48	100	-0.07	-0.76	-0.23	3.57e-03	2.21e-04	3.33e-04
48	101	0.02	0.90	-0.31	-4.23e-03	-4.03e-04	-4.74e-04
48	102	-0.14	-0.83	-0.24	3.30e-03	0.0	5.22e-04
48	103	0.09	0.98	-0.29	-4.22e-03	-1.77e-04	-6.70e-04
48	104	-0.07	-0.76	-0.23	3.30e-03	2.27e-04	3.26e-04
48	105	0.02	0.91	-0.31	-3.96e-03	-4.09e-04	-4.67e-04
48	106	-0.14	-0.83	-0.24	3.56e-03	-4.99e-06	5.29e-04
49	1	-7.72e-04	-4.79e-04	-0.31	-2.49e-04	-1.05e-05	3.11e-06
49	2	-1.16e-03	-2.56e-05	-0.44	-5.33e-04	6.24e-05	4.55e-06
49	3	-5.86e-04	-3.77e-04	-0.24	-1.86e-04	-9.46e-06	2.37e-06
49	4	-9.76e-04	7.63e-05	-0.36	-4.70e-04	6.35e-05	3.80e-06
49	5	-5.90e-04	-3.72e-04	-0.24	-1.89e-04	-8.68e-06	2.38e-06
49	6	-8.50e-04	-6.99e-05	-0.32	-3.78e-04	3.99e-05	3.34e-06
49	7	-5.90e-04	-3.72e-04	-0.24	-1.89e-04	-8.68e-06	2.38e-06
49	8	-7.72e-04	-1.60e-04	-0.30	-3.22e-04	2.53e-05	3.05e-06
49	9	-5.90e-04	-3.72e-04	-0.24	-1.89e-04	-8.68e-06	2.38e-06
49	10	-7.46e-04	-1.91e-04	-0.29	-3.03e-04	2.05e-05	2.96e-06
49	11	0.03	6.59e-03	-0.36	-1.95e-03	7.76e-04	4.74e-05
49	12	0.04	-0.03	-0.13	2.60e-04	1.61e-04	3.70e-05
49	13	-0.05	0.03	-0.45	-8.65e-04	-1.20e-04	-3.10e-05
49	14	-0.03	-6.97e-03	-0.22	1.34e-03	-7.35e-04	-4.15e-05
49	15	0.03	8.27e-03	-0.37	-2.02e-03	8.13e-04	4.74e-05
49	16	0.04	-0.03	-0.12	3.32e-04	1.23e-04	3.70e-05
49	17	-0.04	0.03	-0.46	-9.37e-04	-8.23e-05	-3.11e-05
49	18	-0.03	-8.65e-03	-0.21	1.42e-03	-7.73e-04	-4.15e-05
49	19	0.03	7.12e-03	-0.45	-1.93e-03	8.00e-04	4.79e-05
49	20	0.04	-0.03	-0.21	2.82e-04	1.84e-04	3.74e-05
49	21	-0.05	0.03	-0.36	-8.88e-04	-1.44e-04	-3.15e-05
49	22	-0.03	-7.50e-03	-0.13	1.32e-03	-7.59e-04	-4.20e-05
49	23	0.03	8.80e-03	-0.45	-2.00e-03	8.37e-04	4.78e-05
49	24	0.04	-0.03	-0.21	3.54e-04	1.47e-04	3.74e-05
49	25	-0.05	0.03	-0.37	-9.60e-04	-1.06e-04	-3.15e-05
49	26	-0.03	-9.18e-03	-0.12	1.39e-03	-7.96e-04	-4.19e-05
49	27	-8.05e-03	0.06	-0.66	-4.15e-03	1.18e-03	3.22e-05
49	28	0.03	-0.07	0.11	3.22e-03	-8.71e-04	-2.75e-06
49	29	-0.03	0.07	-0.69	-3.82e-03	9.11e-04	8.66e-06
49	30	6.55e-03	-0.06	0.08	3.54e-03	-1.14e-03	-2.63e-05
49	31	-7.98e-03	0.06	-0.69	-4.14e-03	1.19e-03	3.23e-05
49	32	0.03	-0.07	0.09	3.22e-03	-8.63e-04	-2.62e-06
49	33	-0.03	0.07	-0.66	-3.83e-03	9.04e-04	8.54e-06
49	34	6.48e-03	-0.06	0.11	3.53e-03	-1.15e-03	-2.64e-05
49	35	-7.98e-03	0.07	-0.68	-4.39e-03	1.31e-03	3.21e-05
49	36	0.03	-0.08	0.13	3.46e-03	-9.96e-04	-2.67e-06
49	37	-0.03	0.08	-0.71	-4.06e-03	1.04e-03	8.59e-06
49	38	6.48e-03	-0.07	0.11	3.78e-03	-1.26e-03	-2.62e-05
49	39	-7.91e-03	0.07	-0.71	-4.38e-03	1.31e-03	3.23e-05
49	40	0.03	-0.08	0.11	3.46e-03	-9.88e-04	-2.54e-06
49	41	-0.03	0.07	-0.69	-4.07e-03	1.03e-03	8.46e-06
49	42	6.41e-03	-0.07	0.13	3.77e-03	-1.27e-03	-2.63e-05
49	43	0.03	5.25e-03	-0.34	-1.61e-03	6.19e-04	3.78e-05
49	44	0.03	-0.03	-0.16	1.43e-04	1.32e-04	2.97e-05
49	45	-0.04	0.03	-0.42	-7.49e-04	-9.07e-05	-2.37e-05
49	46	-0.03	-5.63e-03	-0.23	1.00e-03	-5.78e-04	-3.18e-05
49	47	0.03	6.58e-03	-0.35	-1.66e-03	6.49e-04	3.77e-05
49	48	0.03	-0.03	-0.16	2.01e-04	1.02e-04	2.97e-05
49	49	-0.04	0.03	-0.42	-8.06e-04	-6.09e-05	-2.38e-05
49	50	-0.03	-6.96e-03	-0.23	1.06e-03	-6.08e-04	-3.18e-05
49	51	0.03	5.69e-03	-0.41	-1.59e-03	6.38e-04	3.80e-05
49	52	0.03	-0.03	-0.23	1.62e-04	1.50e-04	2.99e-05
49	53	-0.04	0.03	-0.35	-7.67e-04	-1.09e-04	-2.40e-05
49	54	-0.03	-6.07e-03	-0.16	9.84e-04	-5.97e-04	-3.21e-05
49	55	0.03	7.02e-03	-0.42	-1.65e-03	6.68e-04	3.80e-05
49	56	0.03	-0.03	-0.22	2.19e-04	1.21e-04	2.99e-05
49	57	-0.04	0.03	-0.35	-8.24e-04	-7.97e-05	-2.40e-05
49	58	-0.03	-7.40e-03	-0.16	1.04e-03	-6.27e-04	-3.21e-05

49	59	-6.51e-03	0.05	-0.58	-3.35e-03	9.40e-04	2.57e-05
49	60	0.02	-0.06	0.03	2.49e-03	-6.86e-04	-1.33e-06
49	61	-0.02	0.05	-0.61	-3.09e-03	7.27e-04	7.25e-06
49	62	5.02e-03	-0.05	7.43e-03	2.74e-03	-8.99e-04	-1.98e-05
49	63	-6.47e-03	0.05	-0.61	-3.34e-03	9.45e-04	2.58e-05
49	64	0.02	-0.06	8.41e-03	2.49e-03	-6.80e-04	-1.26e-06
49	65	-0.02	0.05	-0.59	-3.10e-03	7.21e-04	7.18e-06
49	66	4.98e-03	-0.05	0.03	2.74e-03	-9.04e-04	-1.99e-05
49	67	-6.46e-03	0.05	-0.60	-3.54e-03	1.04e-03	2.56e-05
49	68	0.02	-0.06	0.05	2.68e-03	-7.85e-04	-1.25e-06
49	69	-0.02	0.06	-0.62	-3.28e-03	8.26e-04	7.17e-06
49	70	4.97e-03	-0.05	0.02	2.93e-03	-9.98e-04	-1.97e-05
49	71	-6.42e-03	0.05	-0.62	-3.53e-03	1.04e-03	2.57e-05
49	72	0.02	-0.06	0.03	2.68e-03	-7.79e-04	-1.18e-06
49	73	-0.02	0.06	-0.60	-3.29e-03	8.20e-04	7.10e-06
49	74	4.92e-03	-0.05	0.05	2.93e-03	-1.00e-03	-1.98e-05
49	75	0.02	4.28e-03	-0.33	-1.38e-03	5.15e-04	3.18e-05
49	76	0.03	-0.02	-0.18	6.58e-05	1.12e-04	2.51e-05
49	77	-0.03	0.02	-0.39	-6.71e-04	-7.14e-05	-1.92e-05
49	78	-0.02	-4.67e-03	-0.24	7.76e-04	-4.74e-04	-2.59e-05
49	79	0.02	5.39e-03	-0.34	-1.43e-03	5.40e-04	3.18e-05
49	80	0.03	-0.02	-0.18	1.13e-04	8.78e-05	2.51e-05
49	81	-0.03	0.02	-0.40	-7.19e-04	-4.68e-05	-1.92e-05
49	82	-0.02	-5.77e-03	-0.24	8.23e-04	-4.99e-04	-2.59e-05
49	83	0.02	4.65e-03	-0.39	-1.37e-03	5.31e-04	3.20e-05
49	84	0.03	-0.02	-0.24	8.08e-05	1.28e-04	2.53e-05
49	85	-0.03	0.02	-0.34	-6.86e-04	-8.69e-05	-1.94e-05
49	86	-0.02	-5.03e-03	-0.19	7.61e-04	-4.90e-04	-2.61e-05
49	87	0.02	5.75e-03	-0.40	-1.41e-03	5.55e-04	3.20e-05
49	88	0.03	-0.02	-0.24	1.28e-04	1.03e-04	2.53e-05
49	89	-0.03	0.02	-0.34	-7.34e-04	-6.23e-05	-1.94e-05
49	90	-0.02	-6.13e-03	-0.18	8.08e-04	-5.14e-04	-2.61e-05
49	91	-5.51e-03	0.04	-0.53	-2.82e-03	7.80e-04	2.18e-05
49	92	0.02	-0.05	-0.03	2.00e-03	-5.63e-04	0.0
49	93	-0.02	0.05	-0.55	-2.61e-03	6.04e-04	6.51e-06
49	94	4.02e-03	-0.04	-0.04	2.22e-03	-7.39e-04	-1.59e-05
49	95	-5.47e-03	0.04	-0.55	-2.82e-03	7.85e-04	2.19e-05
49	96	0.02	-0.05	-0.04	2.01e-03	-5.58e-04	0.0
49	97	-0.02	0.05	-0.53	-2.61e-03	5.99e-04	6.45e-06
49	98	3.98e-03	-0.04	-0.03	2.21e-03	-7.44e-04	-1.60e-05
49	99	-5.47e-03	0.04	-0.55	-2.98e-03	8.62e-04	2.18e-05
49	100	0.02	-0.05	-0.01	2.16e-03	-6.45e-04	0.0
49	101	-0.02	0.05	-0.57	-2.77e-03	6.86e-04	6.45e-06
49	102	3.97e-03	-0.04	-0.03	2.37e-03	-8.21e-04	-1.58e-05
49	103	-5.43e-03	0.04	-0.56	-2.97e-03	8.67e-04	2.18e-05
49	104	0.02	-0.05	-0.03	2.16e-03	-6.40e-04	0.0
49	105	-0.02	0.05	-0.55	-2.77e-03	6.81e-04	6.39e-06
49	106	3.94e-03	-0.04	-0.01	2.37e-03	-8.26e-04	-1.59e-05
50	1	-8.09e-03	0.05	-0.31	-1.90e-04	-7.79e-06	-4.70e-05
50	2	-0.04	0.13	-0.44	-5.81e-04	-1.64e-04	-1.35e-04
50	3	-5.62e-03	0.04	-0.24	-1.39e-04	-3.04e-06	-3.45e-05
50	4	-0.04	0.12	-0.36	-5.29e-04	-1.59e-04	-1.22e-04
50	5	-5.96e-03	0.04	-0.24	-1.43e-04	-4.71e-06	-3.54e-05
50	6	-0.03	0.09	-0.32	-4.03e-04	-1.09e-04	-9.39e-05
50	7	-5.96e-03	0.04	-0.24	-1.43e-04	-4.71e-06	-3.54e-05
50	8	-0.02	0.07	-0.30	-3.25e-04	-7.77e-05	-7.63e-05
50	9	-5.96e-03	0.04	-0.24	-1.43e-04	-4.71e-06	-3.54e-05
50	10	-0.02	0.07	-0.29	-2.99e-04	-6.73e-05	-7.05e-05
50	11	0.23	0.27	-0.36	-1.31e-03	5.84e-04	-7.32e-04
50	12	0.15	-0.45	-0.13	1.76e-03	7.55e-04	-3.74e-04
50	13	-0.19	0.58	-0.45	-2.36e-03	-8.90e-04	2.33e-04
50	14	-0.27	-0.14	-0.22	7.12e-04	-7.19e-04	5.91e-04
50	15	0.24	0.29	-0.37	-1.39e-03	5.63e-04	-7.81e-04
50	16	0.14	-0.47	-0.12	1.84e-03	7.77e-04	-3.25e-04
50	17	-0.17	0.61	-0.46	-2.44e-03	-9.11e-04	1.84e-04
50	18	-0.28	-0.16	-0.21	7.93e-04	-6.98e-04	6.40e-04
50	19	0.24	0.57	-0.45	-2.28e-03	6.31e-04	-7.65e-04
50	20	0.16	-0.15	-0.21	7.83e-04	8.02e-04	-4.06e-04
50	21	-0.20	0.28	-0.36	-1.38e-03	-9.36e-04	2.65e-04
50	22	-0.28	-0.44	-0.13	1.69e-03	-7.65e-04	6.24e-04
50	23	0.25	0.60	-0.45	-2.37e-03	6.10e-04	-8.14e-04
50	24	0.15	-0.17	-0.21	8.64e-04	8.23e-04	-3.58e-04

50	25	-0.19	0.30	-0.37	-1.46e-03	-9.57e-04	2.17e-04
50	26	-0.29	-0.46	-0.12	1.77e-03	-7.44e-04	6.73e-04
50	27	0.17	1.22	-0.66	-5.26e-03	-1.31e-04	-8.13e-04
50	28	-0.09	-1.18	0.11	4.97e-03	4.39e-04	3.82e-04
50	29	0.05	1.31	-0.69	-5.57e-03	-5.73e-04	-5.23e-04
50	30	-0.21	-1.08	0.09	4.66e-03	-3.50e-06	6.72e-04
50	31	0.18	1.31	-0.69	-5.55e-03	-1.17e-04	-8.23e-04
50	32	-0.08	-1.09	0.09	4.68e-03	4.53e-04	3.73e-04
50	33	0.05	1.22	-0.67	-5.28e-03	-5.87e-04	-5.14e-04
50	34	-0.22	-1.17	0.11	4.95e-03	-1.74e-05	6.82e-04
50	35	0.22	1.29	-0.69	-5.53e-03	-2.02e-04	-9.76e-04
50	36	-0.13	-1.25	0.14	5.24e-03	5.09e-04	5.45e-04
50	37	0.09	1.39	-0.71	-5.84e-03	-6.44e-04	-6.86e-04
50	38	-0.25	-1.16	0.11	4.93e-03	6.70e-05	8.35e-04
50	39	0.22	1.38	-0.71	-5.82e-03	-1.88e-04	-9.85e-04
50	40	-0.12	-1.16	0.11	4.95e-03	5.23e-04	5.35e-04
50	41	0.09	1.30	-0.69	-5.55e-03	-6.58e-04	-6.76e-04
50	42	-0.26	-1.25	0.13	5.22e-03	5.31e-05	8.44e-04
50	43	0.18	0.23	-0.35	-1.10e-03	4.49e-04	-5.94e-04
50	44	0.11	-0.34	-0.16	1.33e-03	5.85e-04	-3.10e-04
50	45	-0.15	0.48	-0.42	-1.93e-03	-7.19e-04	1.69e-04
50	46	-0.21	-0.09	-0.23	5.03e-04	-5.84e-04	4.53e-04
50	47	0.19	0.25	-0.35	-1.17e-03	4.33e-04	-6.33e-04
50	48	0.10	-0.36	-0.15	1.39e-03	6.02e-04	-2.71e-04
50	49	-0.14	0.49	-0.42	-1.99e-03	-7.36e-04	1.30e-04
50	50	-0.22	-0.11	-0.23	5.67e-04	-5.67e-04	4.92e-04
50	51	0.19	0.47	-0.42	-1.87e-03	4.86e-04	-6.20e-04
50	52	0.12	-0.10	-0.23	5.60e-04	6.21e-04	-3.36e-04
50	53	-0.16	0.24	-0.35	-1.16e-03	-7.56e-04	1.95e-04
50	54	-0.22	-0.33	-0.16	1.27e-03	-6.21e-04	4.79e-04
50	55	0.20	0.49	-0.42	-1.94e-03	4.69e-04	-6.58e-04
50	56	0.11	-0.12	-0.22	6.24e-04	6.38e-04	-2.97e-04
50	57	-0.15	0.26	-0.35	-1.22e-03	-7.73e-04	1.56e-04
50	58	-0.23	-0.35	-0.16	1.34e-03	-6.04e-04	5.17e-04
50	59	0.13	0.98	-0.59	-4.23e-03	-1.17e-04	-6.59e-04
50	60	-0.07	-0.92	0.03	3.88e-03	3.34e-04	2.89e-04
50	61	0.04	1.05	-0.61	-4.48e-03	-4.68e-04	-4.30e-04
50	62	-0.17	-0.84	8.16e-03	3.63e-03	-1.71e-05	5.18e-04
50	63	0.14	1.05	-0.61	-4.46e-03	-1.06e-04	-6.66e-04
50	64	-0.07	-0.85	9.13e-03	3.65e-03	3.45e-04	2.81e-04
50	65	0.03	0.98	-0.59	-4.24e-03	-4.79e-04	-4.22e-04
50	66	-0.17	-0.92	0.03	3.86e-03	-2.81e-05	5.25e-04
50	67	0.17	1.04	-0.60	-4.44e-03	-1.73e-04	-7.87e-04
50	68	-0.11	-0.98	0.05	4.09e-03	3.90e-04	4.17e-04
50	69	0.07	1.11	-0.63	-4.69e-03	-5.24e-04	-5.58e-04
50	70	-0.20	-0.90	0.03	3.84e-03	3.89e-05	6.46e-04
50	71	0.17	1.11	-0.63	-4.67e-03	-1.62e-04	-7.95e-04
50	72	-0.10	-0.90	0.03	3.86e-03	4.01e-04	4.10e-04
50	73	0.07	1.04	-0.61	-4.46e-03	-5.35e-04	-5.51e-04
50	74	-0.21	-0.97	0.05	4.07e-03	2.79e-05	6.54e-04
50	75	0.14	0.20	-0.34	-9.62e-04	3.60e-04	-5.04e-04
50	76	0.09	-0.27	-0.18	1.05e-03	4.72e-04	-2.69e-04
50	77	-0.13	0.41	-0.40	-1.65e-03	-6.06e-04	1.28e-04
50	78	-0.18	-0.07	-0.24	3.64e-04	-4.94e-04	3.63e-04
50	79	0.15	0.22	-0.34	-1.02e-03	3.46e-04	-5.36e-04
50	80	0.08	-0.28	-0.18	1.10e-03	4.85e-04	-2.37e-04
50	81	-0.12	0.42	-0.40	-1.70e-03	-6.20e-04	9.58e-05
50	82	-0.19	-0.08	-0.24	4.17e-04	-4.80e-04	3.95e-04
50	83	0.15	0.40	-0.39	-1.60e-03	3.90e-04	-5.25e-04
50	84	0.10	-0.07	-0.24	4.11e-04	5.02e-04	-2.90e-04
50	85	-0.14	0.21	-0.34	-1.01e-03	-6.36e-04	1.49e-04
50	86	-0.19	-0.26	-0.19	1.00e-03	-5.25e-04	3.84e-04
50	87	0.16	0.41	-0.40	-1.65e-03	3.76e-04	-5.57e-04
50	88	0.09	-0.09	-0.24	4.64e-04	5.16e-04	-2.58e-04
50	89	-0.13	0.22	-0.34	-1.06e-03	-6.50e-04	1.17e-04
50	90	-0.20	-0.28	-0.18	1.05e-03	-5.11e-04	4.16e-04
50	91	0.11	0.82	-0.54	-3.55e-03	-1.09e-04	-5.57e-04
50	92	-0.06	-0.75	-0.03	3.15e-03	2.64e-04	2.26e-04
50	93	0.03	0.88	-0.55	-3.75e-03	-3.99e-04	-3.67e-04
50	94	-0.15	-0.69	-0.04	2.95e-03	-2.58e-05	4.16e-04
50	95	0.11	0.88	-0.55	-3.74e-03	-9.97e-05	-5.63e-04
50	96	-0.06	-0.69	-0.04	2.96e-03	2.73e-04	2.20e-04

50	97	0.02	0.82	-0.54	-3.56e-03	-4.08e-04	-3.61e-04
50	98	-0.15	-0.74	-0.03	3.14e-03	-3.48e-05	4.22e-04
50	99	0.13	0.87	-0.55	-3.72e-03	-1.55e-04	-6.63e-04
50	100	-0.09	-0.80	-0.01	3.33e-03	3.10e-04	3.33e-04
50	101	0.05	0.93	-0.57	-3.93e-03	-4.45e-04	-4.74e-04
50	102	-0.17	-0.73	-0.03	3.12e-03	2.05e-05	5.22e-04
50	103	0.14	0.93	-0.57	-3.91e-03	-1.46e-04	-6.69e-04
50	104	-0.09	-0.74	-0.03	3.14e-03	3.19e-04	3.26e-04
50	105	0.05	0.87	-0.55	-3.74e-03	-4.54e-04	-4.67e-04
50	106	-0.17	-0.79	-0.01	3.32e-03	1.14e-05	5.28e-04
51	1	-0.02	5.91e-03	-0.27	-2.17e-05	-1.47e-04	-1.68e-05
51	2	-0.08	0.03	-0.41	-1.56e-04	-7.97e-04	-5.76e-05
51	3	-0.01	4.07e-03	-0.21	-1.42e-05	-1.01e-04	-1.21e-05
51	4	-0.08	0.03	-0.35	-1.48e-04	-7.50e-04	-5.29e-05
51	5	-0.01	4.34e-03	-0.21	-1.56e-05	-1.08e-04	-1.26e-05
51	6	-0.06	0.02	-0.30	-1.05e-04	-5.41e-04	-3.98e-05
51	7	-0.01	4.34e-03	-0.21	-1.56e-05	-1.08e-04	-1.26e-05
51	8	-0.04	0.02	-0.27	-7.81e-05	-4.11e-04	-3.16e-05
51	9	-0.01	4.34e-03	-0.21	-1.56e-05	-1.08e-04	-1.26e-05
51	10	-0.04	0.01	-0.26	-6.92e-05	-3.67e-04	-2.89e-05
51	11	0.05	-0.06	-0.30	1.57e-04	-3.46e-04	2.22e-05
51	12	0.12	-0.13	-0.31	6.55e-04	1.35e-04	2.23e-04
51	13	-0.20	0.16	-0.21	-7.93e-04	-8.70e-04	-2.81e-04
51	14	-0.12	0.09	-0.23	-2.95e-04	-3.89e-04	-8.00e-05
51	15	0.05	-0.06	-0.31	1.74e-04	-3.47e-04	2.61e-05
51	16	0.12	-0.13	-0.30	6.38e-04	1.36e-04	2.19e-04
51	17	-0.19	0.16	-0.23	-7.76e-04	-8.71e-04	-2.77e-04
51	18	-0.12	0.09	-0.21	-3.12e-04	-3.88e-04	-8.38e-05
51	19	0.05	-0.06	-0.30	1.80e-04	-3.37e-04	2.26e-05
51	20	0.12	-0.14	-0.31	6.78e-04	1.44e-04	2.24e-04
51	21	-0.20	0.17	-0.21	-8.16e-04	-8.79e-04	-2.81e-04
51	22	-0.12	0.09	-0.23	-3.18e-04	-3.98e-04	-8.03e-05
51	23	0.05	-0.06	-0.31	1.97e-04	-3.38e-04	2.64e-05
51	24	0.12	-0.13	-0.30	6.61e-04	1.45e-04	2.20e-04
51	25	-0.20	0.16	-0.23	-7.99e-04	-8.80e-04	-2.77e-04
51	26	-0.13	0.09	-0.21	-3.35e-04	-3.97e-04	-8.42e-05
51	27	-0.12	0.11	-0.25	-7.56e-04	-1.09e-03	-3.18e-04
51	28	0.12	-0.15	-0.30	9.03e-04	5.13e-04	3.52e-04
51	29	-0.19	0.18	-0.23	-1.04e-03	-1.25e-03	-4.09e-04
51	30	0.04	-0.08	-0.27	6.18e-04	3.56e-04	2.61e-04
51	31	-0.12	0.11	-0.25	-7.49e-04	-1.09e-03	-3.18e-04
51	32	0.12	-0.15	-0.30	9.10e-04	5.16e-04	3.52e-04
51	33	-0.19	0.18	-0.23	-1.05e-03	-1.25e-03	-4.09e-04
51	34	0.04	-0.08	-0.27	6.11e-04	3.53e-04	2.61e-04
51	35	-0.12	0.10	-0.30	-6.99e-04	-1.09e-03	-3.06e-04
51	36	0.11	-0.14	-0.25	8.46e-04	5.15e-04	3.39e-04
51	37	-0.19	0.17	-0.28	-9.84e-04	-1.25e-03	-3.97e-04
51	38	0.04	-0.07	-0.22	5.61e-04	3.58e-04	2.48e-04
51	39	-0.12	0.10	-0.30	-6.92e-04	-1.09e-03	-3.05e-04
51	40	0.11	-0.14	-0.25	8.53e-04	5.18e-04	3.39e-04
51	41	-0.19	0.17	-0.28	-9.91e-04	-1.25e-03	-3.97e-04
51	42	0.04	-0.07	-0.22	5.54e-04	3.56e-04	2.48e-04
51	43	0.03	-0.04	-0.29	1.10e-04	-3.55e-04	1.17e-05
51	44	0.09	-0.10	-0.30	5.04e-04	2.63e-05	1.70e-04
51	45	-0.16	0.13	-0.22	-6.43e-04	-7.61e-04	-2.28e-04
51	46	-0.11	0.07	-0.24	-2.49e-04	-3.80e-04	-6.95e-05
51	47	0.03	-0.04	-0.30	1.24e-04	-3.55e-04	1.47e-05
51	48	0.08	-0.10	-0.29	4.91e-04	2.68e-05	1.67e-04
51	49	-0.16	0.13	-0.24	-6.29e-04	-7.62e-04	-2.25e-04
51	50	-0.11	0.07	-0.22	-2.62e-04	-3.80e-04	-7.24e-05
51	51	0.03	-0.04	-0.29	1.29e-04	-3.48e-04	1.20e-05
51	52	0.09	-0.11	-0.30	5.23e-04	3.32e-05	1.71e-04
51	53	-0.16	0.14	-0.22	-6.61e-04	-7.68e-04	-2.29e-04
51	54	-0.11	0.07	-0.24	-2.67e-04	-3.87e-04	-6.98e-05
51	55	0.03	-0.05	-0.30	1.42e-04	-3.48e-04	1.50e-05
51	56	0.09	-0.10	-0.29	5.09e-04	3.37e-05	1.68e-04
51	57	-0.16	0.13	-0.24	-6.47e-04	-7.69e-04	-2.26e-04
51	58	-0.11	0.08	-0.22	-2.80e-04	-3.87e-04	-7.27e-05
51	59	-0.10	0.09	-0.26	-6.13e-04	-9.42e-04	-2.57e-04
51	60	0.08	-0.11	-0.29	7.00e-04	3.29e-04	2.72e-04
51	61	-0.16	0.14	-0.24	-8.39e-04	-1.06e-03	-3.29e-04
51	62	0.03	-0.06	-0.27	4.74e-04	2.07e-04	2.00e-04

51	63	-0.10	0.09	-0.26	-6.07e-04	-9.40e-04	-2.57e-04
51	64	0.09	-0.12	-0.29	7.06e-04	3.31e-04	2.72e-04
51	65	-0.16	0.14	-0.23	-8.44e-04	-1.07e-03	-3.30e-04
51	66	0.03	-0.06	-0.27	4.69e-04	2.05e-04	2.00e-04
51	67	-0.10	0.08	-0.30	-5.68e-04	-9.43e-04	-2.48e-04
51	68	0.08	-0.11	-0.25	6.55e-04	3.30e-04	2.62e-04
51	69	-0.16	0.13	-0.28	-7.94e-04	-1.07e-03	-3.20e-04
51	70	0.03	-0.05	-0.23	4.30e-04	2.08e-04	1.90e-04
51	71	-0.10	0.08	-0.30	-5.62e-04	-9.41e-04	-2.48e-04
51	72	0.08	-0.11	-0.25	6.61e-04	3.32e-04	2.62e-04
51	73	-0.16	0.14	-0.28	-7.99e-04	-1.07e-03	-3.20e-04
51	74	0.02	-0.05	-0.23	4.24e-04	2.06e-04	1.90e-04
51	75	0.02	-0.03	-0.29	7.92e-05	-3.57e-04	4.67e-06
51	76	0.06	-0.08	-0.30	4.05e-04	-4.16e-05	1.36e-04
51	77	-0.14	0.11	-0.23	-5.43e-04	-6.93e-04	-1.94e-04
51	78	-0.09	0.06	-0.24	-2.18e-04	-3.78e-04	-6.25e-05
51	79	0.02	-0.03	-0.30	9.03e-05	-3.57e-04	7.13e-06
51	80	0.06	-0.08	-0.29	3.94e-04	-4.12e-05	1.33e-04
51	81	-0.14	0.11	-0.24	-5.32e-04	-6.94e-04	-1.91e-04
51	82	-0.09	0.06	-0.23	-2.29e-04	-3.78e-04	-6.49e-05
51	83	0.02	-0.03	-0.29	9.43e-05	-3.51e-04	4.89e-06
51	84	0.06	-0.09	-0.30	4.20e-04	-3.59e-05	1.36e-04
51	85	-0.14	0.11	-0.23	-5.58e-04	-6.99e-04	-1.94e-04
51	86	-0.09	0.06	-0.24	-2.33e-04	-3.84e-04	-6.27e-05
51	87	0.02	-0.04	-0.30	1.05e-04	-3.51e-04	7.35e-06
51	88	0.06	-0.08	-0.29	4.09e-04	-3.54e-05	1.34e-04
51	89	-0.14	0.11	-0.24	-5.47e-04	-7.00e-04	-1.91e-04
51	90	-0.10	0.07	-0.23	-2.44e-04	-3.84e-04	-6.51e-05
51	91	-0.09	0.08	-0.26	-5.18e-04	-8.42e-04	-2.18e-04
51	92	0.06	-0.09	-0.29	5.67e-04	2.08e-04	2.20e-04
51	93	-0.14	0.12	-0.24	-7.05e-04	-9.43e-04	-2.77e-04
51	94	0.02	-0.05	-0.27	3.80e-04	1.07e-04	1.60e-04
51	95	-0.09	0.08	-0.26	-5.14e-04	-8.40e-04	-2.18e-04
51	96	0.06	-0.09	-0.29	5.71e-04	2.10e-04	2.20e-04
51	97	-0.14	0.12	-0.24	-7.10e-04	-9.45e-04	-2.77e-04
51	98	0.02	-0.05	-0.27	3.76e-04	1.05e-04	1.60e-04
51	99	-0.09	0.07	-0.29	-4.81e-04	-8.43e-04	-2.10e-04
51	100	0.06	-0.08	-0.25	5.30e-04	2.09e-04	2.11e-04
51	101	-0.14	0.11	-0.27	-6.68e-04	-9.44e-04	-2.69e-04
51	102	0.01	-0.04	-0.24	3.43e-04	1.08e-04	1.52e-04
51	103	-0.09	0.07	-0.29	-4.77e-04	-8.42e-04	-2.10e-04
51	104	0.06	-0.09	-0.25	5.34e-04	2.11e-04	2.11e-04
51	105	-0.14	0.11	-0.27	-6.73e-04	-9.46e-04	-2.69e-04
51	106	0.01	-0.04	-0.24	3.38e-04	1.07e-04	1.52e-04
52	1	-7.16e-03	0.08	-0.31	-1.63e-04	6.96e-05	-4.82e-05
52	2	-0.06	0.22	-0.44	-2.73e-04	3.32e-04	-4.29e-05
52	3	-4.59e-03	0.06	-0.24	-1.23e-04	4.86e-05	-3.72e-05
52	4	-0.05	0.19	-0.36	-2.34e-04	3.11e-04	-3.19e-05
52	5	-5.11e-03	0.06	-0.24	-1.24e-04	5.14e-05	-3.71e-05
52	6	-0.04	0.15	-0.32	-1.98e-04	2.26e-04	-3.36e-05
52	7	-5.11e-03	0.06	-0.24	-1.24e-04	5.14e-05	-3.71e-05
52	8	-0.03	0.13	-0.30	-1.76e-04	1.74e-04	-3.46e-05
52	9	-5.11e-03	0.06	-0.24	-1.24e-04	5.14e-05	-3.71e-05
52	10	-0.02	0.12	-0.29	-1.69e-04	1.56e-04	-3.50e-05
52	11	0.44	0.53	-0.37	-1.92e-03	8.27e-04	-1.42e-03
52	12	0.29	-0.91	-0.11	5.24e-04	4.42e-04	-5.63e-04
52	13	-0.34	1.14	-0.47	-8.62e-04	-1.29e-04	4.93e-04
52	14	-0.49	-0.30	-0.21	1.58e-03	-5.15e-04	1.35e-03
52	15	0.47	0.57	-0.38	-1.99e-03	8.65e-04	-1.52e-03
52	16	0.27	-0.95	-0.10	5.97e-04	4.04e-04	-4.64e-04
52	17	-0.31	1.18	-0.48	-9.34e-04	-9.20e-05	3.94e-04
52	18	-0.52	-0.34	-0.20	1.65e-03	-5.52e-04	1.45e-03
52	19	0.46	1.12	-0.47	-1.89e-03	8.48e-04	-1.47e-03
52	20	0.31	-0.32	-0.20	5.52e-04	4.63e-04	-6.15e-04
52	21	-0.36	0.55	-0.38	-8.89e-04	-1.51e-04	5.45e-04
52	22	-0.51	-0.89	-0.11	1.55e-03	-5.36e-04	1.40e-03
52	23	0.49	1.16	-0.47	-1.96e-03	8.86e-04	-1.57e-03
52	24	0.29	-0.36	-0.19	6.25e-04	4.26e-04	-5.16e-04
52	25	-0.34	0.60	-0.39	-9.62e-04	-1.13e-04	4.46e-04
52	26	-0.54	-0.93	-0.11	1.63e-03	-5.73e-04	1.50e-03
52	27	0.34	2.42	-0.72	-4.40e-03	9.42e-04	-1.75e-03
52	28	-0.16	-2.37	0.17	3.75e-03	-3.42e-04	1.11e-03

52	29	0.11	2.60	-0.75	-4.08e-03	6.55e-04	-1.18e-03
52	30	-0.39	-2.19	0.14	4.06e-03	-6.29e-04	1.68e-03
52	31	0.35	2.60	-0.74	-4.39e-03	9.48e-04	-1.77e-03
52	32	-0.15	-2.19	0.14	3.75e-03	-3.36e-04	1.09e-03
52	33	0.10	2.43	-0.72	-4.09e-03	6.48e-04	-1.16e-03
52	34	-0.40	-2.37	0.16	4.06e-03	-6.36e-04	1.70e-03
52	35	0.43	2.57	-0.74	-4.64e-03	1.07e-03	-2.08e-03
52	36	-0.24	-2.52	0.19	3.99e-03	-4.67e-04	1.44e-03
52	37	0.19	2.75	-0.77	-4.32e-03	7.80e-04	-1.51e-03
52	38	-0.48	-2.33	0.16	4.30e-03	-7.54e-04	2.01e-03
52	39	0.44	2.74	-0.77	-4.63e-03	1.07e-03	-2.10e-03
52	40	-0.24	-2.34	0.16	4.00e-03	-4.61e-04	1.42e-03
52	41	0.19	2.57	-0.74	-4.33e-03	7.73e-04	-1.49e-03
52	42	-0.48	-2.51	0.19	4.30e-03	-7.61e-04	2.03e-03
52	43	0.34	0.45	-0.36	-1.56e-03	6.88e-04	-1.13e-03
52	44	0.23	-0.69	-0.15	3.81e-04	3.83e-04	-4.51e-04
52	45	-0.27	0.93	-0.43	-7.18e-04	-7.02e-05	3.81e-04
52	46	-0.39	-0.21	-0.22	1.22e-03	-3.76e-04	1.06e-03
52	47	0.36	0.48	-0.36	-1.61e-03	7.18e-04	-1.21e-03
52	48	0.21	-0.73	-0.14	4.38e-04	3.53e-04	-3.73e-04
52	49	-0.25	0.96	-0.44	-7.76e-04	-4.05e-05	3.03e-04
52	50	-0.41	-0.25	-0.22	1.28e-03	-4.05e-04	1.14e-03
52	51	0.36	0.91	-0.43	-1.53e-03	7.05e-04	-1.17e-03
52	52	0.24	-0.23	-0.22	4.03e-04	3.99e-04	-4.93e-04
52	53	-0.29	0.46	-0.36	-7.40e-04	-8.71e-05	4.23e-04
52	54	-0.41	-0.68	-0.15	1.20e-03	-3.92e-04	1.10e-03
52	55	0.38	0.95	-0.43	-1.59e-03	7.34e-04	-1.25e-03
52	56	0.22	-0.26	-0.21	4.61e-04	3.70e-04	-4.14e-04
52	57	-0.27	0.50	-0.37	-7.98e-04	-5.74e-05	3.44e-04
52	58	-0.43	-0.71	-0.15	1.25e-03	-4.22e-04	1.18e-03
52	59	0.27	1.94	-0.63	-3.52e-03	7.79e-04	-1.39e-03
52	60	-0.13	-1.86	0.07	2.93e-03	-2.39e-04	8.71e-04
52	61	0.08	2.09	-0.65	-3.27e-03	5.51e-04	-9.41e-04
52	62	-0.32	-1.71	0.05	3.19e-03	-4.66e-04	1.32e-03
52	63	0.27	2.08	-0.65	-3.52e-03	7.84e-04	-1.41e-03
52	64	-0.12	-1.72	0.05	2.94e-03	-2.34e-04	8.58e-04
52	65	0.08	1.95	-0.63	-3.28e-03	5.46e-04	-9.28e-04
52	66	-0.32	-1.85	0.07	3.18e-03	-4.72e-04	1.34e-03
52	67	0.33	2.06	-0.65	-3.71e-03	8.78e-04	-1.66e-03
52	68	-0.20	-1.97	0.09	3.13e-03	-3.38e-04	1.13e-03
52	69	0.15	2.20	-0.67	-3.46e-03	6.50e-04	-1.20e-03
52	70	-0.38	-1.83	0.07	3.38e-03	-5.65e-04	1.59e-03
52	71	0.34	2.20	-0.67	-3.71e-03	8.83e-04	-1.67e-03
52	72	-0.19	-1.83	0.07	3.13e-03	-3.33e-04	1.12e-03
52	73	0.14	2.06	-0.65	-3.47e-03	6.45e-04	-1.19e-03
52	74	-0.39	-1.97	0.09	3.37e-03	-5.71e-04	1.60e-03
52	75	0.28	0.39	-0.35	-1.32e-03	5.96e-04	-9.41e-04
52	76	0.18	-0.55	-0.17	2.86e-04	3.43e-04	-3.80e-04
52	77	-0.23	0.79	-0.41	-6.23e-04	-3.09e-05	3.10e-04
52	78	-0.33	-0.15	-0.24	9.78e-04	-2.83e-04	8.71e-04
52	79	0.30	0.42	-0.35	-1.36e-03	6.20e-04	-1.01e-03
52	80	0.17	-0.58	-0.17	3.33e-04	3.19e-04	-3.15e-04
52	81	-0.21	0.82	-0.41	-6.70e-04	-6.36e-06	2.45e-04
52	82	-0.35	-0.18	-0.23	1.03e-03	-3.08e-04	9.36e-04
52	83	0.30	0.77	-0.41	-1.30e-03	6.10e-04	-9.75e-04
52	84	0.20	-0.17	-0.23	3.04e-04	3.57e-04	-4.14e-04
52	85	-0.25	0.40	-0.35	-6.41e-04	-4.49e-05	3.44e-04
52	86	-0.34	-0.54	-0.18	9.60e-04	-2.97e-04	9.05e-04
52	87	0.31	0.80	-0.41	-1.34e-03	6.34e-04	-1.04e-03
52	88	0.18	-0.20	-0.23	3.51e-04	3.33e-04	-3.49e-04
52	89	-0.23	0.43	-0.35	-6.88e-04	-2.03e-05	2.79e-04
52	90	-0.36	-0.57	-0.17	1.01e-03	-3.22e-04	9.70e-04
52	91	0.22	1.63	-0.57	-2.94e-03	6.71e-04	-1.16e-03
52	92	-0.11	-1.51	8.00e-03	2.40e-03	-1.70e-04	7.13e-04
52	93	0.06	1.75	-0.59	-2.73e-03	4.83e-04	-7.83e-04
52	94	-0.27	-1.39	-0.01	2.60e-03	-3.58e-04	1.09e-03
52	95	0.22	1.74	-0.59	-2.94e-03	6.75e-04	-1.17e-03
52	96	-0.11	-1.40	-0.01	2.40e-03	-1.66e-04	7.03e-04
52	97	0.06	1.63	-0.57	-2.74e-03	4.79e-04	-7.73e-04
52	98	-0.27	-1.51	6.95e-03	2.60e-03	-3.63e-04	1.10e-03
52	99	0.27	1.72	-0.59	-3.10e-03	7.53e-04	-1.37e-03
52	100	-0.17	-1.61	0.02	2.55e-03	-2.52e-04	9.29e-04

52	101	0.12	1.84	-0.60	-2.89e-03	5.65e-04	-9.99e-04
52	102	-0.32	-1.49	4.56e-03	2.76e-03	-4.40e-04	1.30e-03
52	103	0.28	1.84	-0.60	-3.09e-03	7.57e-04	-1.38e-03
52	104	-0.16	-1.49	5.60e-03	2.56e-03	-2.48e-04	9.19e-04
52	105	0.11	1.73	-0.59	-2.90e-03	5.60e-04	-9.89e-04
52	106	-0.33	-1.60	0.02	2.76e-03	-4.44e-04	1.31e-03
53	1	-0.01	0.09	-0.30	-1.38e-04	1.06e-04	-4.84e-05
53	2	-0.06	0.22	-0.40	-1.31e-04	4.80e-04	-4.39e-05
53	3	-7.22e-03	0.07	-0.23	-1.06e-04	7.44e-05	-3.73e-05
53	4	-0.06	0.20	-0.33	-9.95e-05	4.48e-04	-3.28e-05
53	5	-7.73e-03	0.07	-0.23	-1.06e-04	7.84e-05	-3.73e-05
53	6	-0.04	0.15	-0.29	-1.02e-04	3.28e-04	-3.42e-05
53	7	-7.73e-03	0.07	-0.23	-1.06e-04	7.84e-05	-3.73e-05
53	8	-0.03	0.13	-0.27	-1.03e-04	2.53e-04	-3.51e-05
53	9	-7.73e-03	0.07	-0.23	-1.06e-04	7.84e-05	-3.73e-05
53	10	-0.03	0.12	-0.27	-1.03e-04	2.28e-04	-3.54e-05
53	11	0.35	1.24	-0.27	-1.92e-03	8.41e-04	-1.42e-03
53	12	0.26	-0.26	-0.20	6.13e-04	5.39e-04	-5.64e-04
53	13	-0.31	0.50	-0.33	-8.19e-04	-8.36e-05	4.94e-04
53	14	-0.41	-1.00	-0.27	1.72e-03	-3.85e-04	1.35e-03
53	15	0.37	1.29	-0.27	-2.00e-03	8.75e-04	-1.52e-03
53	16	0.24	-0.31	-0.20	6.88e-04	5.05e-04	-4.65e-04
53	17	-0.29	0.55	-0.33	-8.95e-04	-4.95e-05	3.95e-04
53	18	-0.43	-1.05	-0.27	1.79e-03	-4.20e-04	1.45e-03
53	19	0.37	1.23	-0.27	-1.89e-03	8.63e-04	-1.48e-03
53	20	0.27	-0.27	-0.20	6.43e-04	5.61e-04	-6.18e-04
53	21	-0.33	0.51	-0.33	-8.49e-04	-1.05e-04	5.47e-04
53	22	-0.43	-0.99	-0.27	1.69e-03	-4.07e-04	1.41e-03
53	23	0.39	1.28	-0.26	-1.97e-03	8.97e-04	-1.58e-03
53	24	0.26	-0.33	-0.20	7.18e-04	5.27e-04	-5.19e-04
53	25	-0.31	0.56	-0.33	-9.25e-04	-7.13e-05	4.48e-04
53	26	-0.44	-1.04	-0.27	1.76e-03	-4.41e-04	1.51e-03
53	27	0.24	2.73	-0.37	-4.49e-03	8.70e-04	-1.75e-03
53	28	-0.09	-2.27	-0.15	3.96e-03	-1.37e-04	1.11e-03
53	29	0.04	2.51	-0.39	-4.16e-03	5.92e-04	-1.18e-03
53	30	-0.29	-2.49	-0.17	4.29e-03	-4.14e-04	1.68e-03
53	31	0.24	2.73	-0.37	-4.48e-03	8.76e-04	-1.77e-03
53	32	-0.09	-2.27	-0.15	3.97e-03	-1.30e-04	1.09e-03
53	33	0.03	2.51	-0.39	-4.17e-03	5.86e-04	-1.16e-03
53	34	-0.30	-2.49	-0.17	4.28e-03	-4.21e-04	1.70e-03
53	35	0.29	2.90	-0.36	-4.75e-03	9.83e-04	-2.08e-03
53	36	-0.15	-2.44	-0.15	4.21e-03	-2.50e-04	1.44e-03
53	37	0.09	2.68	-0.38	-4.42e-03	7.06e-04	-1.51e-03
53	38	-0.35	-2.66	-0.17	4.54e-03	-5.28e-04	2.01e-03
53	39	0.30	2.90	-0.36	-4.74e-03	9.90e-04	-2.10e-03
53	40	-0.14	-2.44	-0.15	4.22e-03	-2.44e-04	1.42e-03
53	41	0.09	2.68	-0.38	-4.42e-03	6.99e-04	-1.49e-03
53	42	-0.35	-2.66	-0.17	4.53e-03	-5.34e-04	2.03e-03
53	43	0.27	1.01	-0.27	-1.54e-03	7.14e-04	-1.13e-03
53	44	0.20	-0.18	-0.21	4.65e-04	4.75e-04	-4.53e-04
53	45	-0.25	0.42	-0.32	-6.71e-04	-1.89e-05	3.82e-04
53	46	-0.33	-0.77	-0.27	1.34e-03	-2.58e-04	1.06e-03
53	47	0.29	1.05	-0.27	-1.60e-03	7.41e-04	-1.21e-03
53	48	0.18	-0.22	-0.22	5.25e-04	4.48e-04	-3.75e-04
53	49	-0.24	0.46	-0.32	-7.31e-04	8.14e-06	3.04e-04
53	50	-0.34	-0.81	-0.27	1.40e-03	-2.85e-04	1.14e-03
53	51	0.29	1.00	-0.27	-1.52e-03	7.31e-04	-1.18e-03
53	52	0.21	-0.19	-0.21	4.89e-04	4.92e-04	-4.95e-04
53	53	-0.26	0.43	-0.32	-6.95e-04	-3.62e-05	4.24e-04
53	54	-0.34	-0.76	-0.27	1.31e-03	-2.75e-04	1.10e-03
53	55	0.30	1.04	-0.27	-1.58e-03	7.58e-04	-1.25e-03
53	56	0.20	-0.23	-0.21	5.49e-04	4.65e-04	-4.17e-04
53	57	-0.25	0.47	-0.32	-7.55e-04	-9.16e-06	3.46e-04
53	58	-0.36	-0.80	-0.27	1.37e-03	-3.02e-04	1.18e-03
53	59	0.18	2.19	-0.35	-3.58e-03	7.37e-04	-1.40e-03
53	60	-0.08	-1.77	-0.17	3.11e-03	-6.10e-05	8.71e-04
53	61	0.02	2.01	-0.36	-3.32e-03	5.17e-04	-9.42e-04
53	62	-0.24	-1.95	-0.19	3.38e-03	-2.81e-04	1.33e-03
53	63	0.19	2.19	-0.34	-3.58e-03	7.42e-04	-1.41e-03
53	64	-0.07	-1.78	-0.17	3.12e-03	-5.58e-05	8.59e-04
53	65	0.02	2.02	-0.36	-3.33e-03	5.12e-04	-9.30e-04
53	66	-0.24	-1.95	-0.19	3.37e-03	-2.86e-04	1.34e-03

53	67	0.23	2.32	-0.34	-3.78e-03	8.27e-04	-1.66e-03
53	68	-0.12	-1.91	-0.17	3.31e-03	-1.51e-04	1.13e-03
53	69	0.07	2.15	-0.36	-3.52e-03	6.07e-04	-1.20e-03
53	70	-0.28	-2.08	-0.19	3.58e-03	-3.71e-04	1.59e-03
53	71	0.23	2.32	-0.34	-3.78e-03	8.32e-04	-1.67e-03
53	72	-0.12	-1.91	-0.17	3.32e-03	-1.46e-04	1.12e-03
53	73	0.07	2.15	-0.36	-3.53e-03	6.02e-04	-1.19e-03
53	74	-0.29	-2.08	-0.19	3.57e-03	-3.76e-04	1.60e-03
53	75	0.22	0.85	-0.27	-1.29e-03	6.30e-04	-9.43e-04
53	76	0.16	-0.13	-0.22	3.66e-04	4.32e-04	-3.81e-04
53	77	-0.21	0.37	-0.31	-5.73e-04	2.40e-05	3.10e-04
53	78	-0.28	-0.61	-0.27	1.09e-03	-1.74e-04	8.73e-04
53	79	0.23	0.89	-0.27	-1.34e-03	6.52e-04	-1.01e-03
53	80	0.15	-0.16	-0.22	4.16e-04	4.10e-04	-3.16e-04
53	81	-0.20	0.40	-0.31	-6.22e-04	4.63e-05	2.45e-04
53	82	-0.29	-0.65	-0.27	1.14e-03	-1.96e-04	9.38e-04
53	83	0.23	0.84	-0.27	-1.27e-03	6.44e-04	-9.78e-04
53	84	0.17	-0.14	-0.22	3.86e-04	4.46e-04	-4.16e-04
53	85	-0.22	0.38	-0.31	-5.92e-04	9.66e-06	3.45e-04
53	86	-0.29	-0.61	-0.27	1.07e-03	-1.88e-04	9.07e-04
53	87	0.25	0.88	-0.27	-1.32e-03	6.66e-04	-1.04e-03
53	88	0.16	-0.17	-0.22	4.35e-04	4.24e-04	-3.51e-04
53	89	-0.21	0.41	-0.31	-6.42e-04	3.20e-05	2.80e-04
53	90	-0.30	-0.64	-0.27	1.12e-03	-2.10e-04	9.72e-04
53	91	0.14	1.83	-0.33	-2.98e-03	6.48e-04	-1.16e-03
53	92	-0.07	-1.45	-0.19	2.56e-03	-1.08e-05	7.14e-04
53	93	0.01	1.68	-0.34	-2.76e-03	4.67e-04	-7.85e-04
53	94	-0.20	-1.59	-0.20	2.77e-03	-1.93e-04	1.09e-03
53	95	0.15	1.83	-0.33	-2.97e-03	6.53e-04	-1.17e-03
53	96	-0.07	-1.45	-0.19	2.56e-03	-6.53e-06	7.03e-04
53	97	0.01	1.69	-0.34	-2.77e-03	4.62e-04	-7.74e-04
53	98	-0.20	-1.59	-0.20	2.77e-03	-1.97e-04	1.10e-03
53	99	0.18	1.94	-0.33	-3.14e-03	7.23e-04	-1.38e-03
53	100	-0.11	-1.56	-0.19	2.72e-03	-8.52e-05	9.30e-04
53	101	0.05	1.80	-0.34	-2.93e-03	5.41e-04	-1.00e-03
53	102	-0.24	-1.70	-0.20	2.94e-03	-2.67e-04	1.31e-03
53	103	0.19	1.94	-0.33	-3.14e-03	7.27e-04	-1.39e-03
53	104	-0.10	-1.56	-0.19	2.73e-03	-8.09e-05	9.20e-04
53	105	0.05	1.80	-0.34	-2.93e-03	5.37e-04	-9.91e-04
53	106	-0.24	-1.70	-0.20	2.93e-03	-2.71e-04	1.32e-03
54	1	-0.01	4.15e-03	-0.26	-5.73e-05	-1.07e-04	-1.58e-05
54	2	-0.08	0.03	-0.37	-3.32e-04	-6.28e-04	-5.73e-05
54	3	-9.46e-03	2.80e-03	-0.20	-3.89e-05	-7.24e-05	-1.14e-05
54	4	-0.07	0.02	-0.31	-3.14e-04	-5.93e-04	-5.29e-05
54	5	-0.01	3.02e-03	-0.20	-4.18e-05	-7.79e-05	-1.18e-05
54	6	-0.05	0.02	-0.27	-2.25e-04	-4.25e-04	-3.95e-05
54	7	-0.01	3.02e-03	-0.20	-4.18e-05	-7.79e-05	-1.18e-05
54	8	-0.04	0.01	-0.25	-1.70e-04	-3.21e-04	-3.12e-05
54	9	-0.01	3.02e-03	-0.20	-4.18e-05	-7.79e-05	-1.18e-05
54	10	-0.04	0.01	-0.25	-1.52e-04	-2.86e-04	-2.84e-05
54	11	0.04	-0.05	-0.28	5.00e-05	-1.23e-04	2.76e-05
54	12	0.10	-0.11	-0.27	4.59e-04	3.02e-04	2.05e-04
54	13	-0.17	0.14	-0.22	-7.63e-04	-8.74e-04	-2.62e-04
54	14	-0.11	0.08	-0.21	-3.54e-04	-4.49e-04	-8.45e-05
54	15	0.04	-0.06	-0.28	6.27e-05	-1.19e-04	3.11e-05
54	16	0.09	-0.11	-0.27	4.47e-04	2.98e-04	2.01e-04
54	17	-0.17	0.13	-0.22	-7.51e-04	-8.71e-04	-2.58e-04
54	18	-0.11	0.08	-0.21	-3.66e-04	-4.53e-04	-8.80e-05
54	19	0.05	-0.06	-0.28	6.63e-05	-1.09e-04	2.71e-05
54	20	0.10	-0.12	-0.27	4.76e-04	3.16e-04	2.04e-04
54	21	-0.17	0.14	-0.22	-7.79e-04	-8.88e-04	-2.61e-04
54	22	-0.12	0.08	-0.21	-3.70e-04	-4.63e-04	-8.40e-05
54	23	0.05	-0.06	-0.28	7.90e-05	-1.06e-04	3.07e-05
54	24	0.10	-0.11	-0.27	4.63e-04	3.12e-04	2.01e-04
54	25	-0.17	0.14	-0.22	-7.67e-04	-8.84e-04	-2.58e-04
54	26	-0.12	0.08	-0.21	-3.83e-04	-4.67e-04	-8.75e-05
54	27	-0.09	0.08	-0.27	-7.12e-04	-8.82e-04	-2.80e-04
54	28	0.08	-0.12	-0.24	6.52e-04	5.35e-04	3.10e-04
54	29	-0.15	0.14	-0.25	-9.56e-04	-1.11e-03	-3.67e-04
54	30	0.02	-0.06	-0.22	4.08e-04	3.09e-04	2.24e-04
54	31	-0.09	0.08	-0.27	-7.07e-04	-8.78e-04	-2.81e-04
54	32	0.08	-0.12	-0.24	6.57e-04	5.39e-04	3.10e-04

54	33	-0.15	0.14	-0.25	-9.61e-04	-1.11e-03	-3.67e-04
54	34	0.02	-0.06	-0.22	4.04e-04	3.05e-04	2.24e-04
54	35	-0.09	0.07	-0.27	-6.70e-04	-8.69e-04	-2.69e-04
54	36	0.08	-0.11	-0.24	6.10e-04	5.22e-04	2.99e-04
54	37	-0.15	0.13	-0.25	-9.14e-04	-1.09e-03	-3.56e-04
54	38	0.02	-0.05	-0.22	3.66e-04	2.97e-04	2.12e-04
54	39	-0.09	0.07	-0.27	-6.65e-04	-8.65e-04	-2.69e-04
54	40	0.08	-0.11	-0.24	6.15e-04	5.26e-04	2.99e-04
54	41	-0.15	0.13	-0.25	-9.19e-04	-1.10e-03	-3.55e-04
54	42	0.02	-0.05	-0.22	3.61e-04	2.93e-04	2.12e-04
54	43	0.03	-0.04	-0.27	8.52e-06	-1.59e-04	1.61e-05
54	44	0.07	-0.09	-0.27	3.32e-04	1.77e-04	1.56e-04
54	45	-0.14	0.11	-0.22	-6.36e-04	-7.50e-04	-2.13e-04
54	46	-0.10	0.06	-0.22	-3.12e-04	-4.13e-04	-7.29e-05
54	47	0.03	-0.04	-0.27	1.85e-05	-1.56e-04	1.88e-05
54	48	0.07	-0.08	-0.27	3.22e-04	1.74e-04	1.53e-04
54	49	-0.14	0.11	-0.22	-6.26e-04	-7.47e-04	-2.10e-04
54	50	-0.10	0.06	-0.22	-3.22e-04	-4.16e-04	-7.56e-05
54	51	0.03	-0.04	-0.27	2.14e-05	-1.49e-04	1.57e-05
54	52	0.07	-0.09	-0.27	3.45e-04	1.87e-04	1.56e-04
54	53	-0.14	0.11	-0.22	-6.49e-04	-7.60e-04	-2.12e-04
54	54	-0.10	0.06	-0.22	-3.25e-04	-4.23e-04	-7.26e-05
54	55	0.03	-0.04	-0.27	3.14e-05	-1.46e-04	1.84e-05
54	56	0.07	-0.09	-0.27	3.35e-04	1.84e-04	1.53e-04
54	57	-0.14	0.11	-0.22	-6.39e-04	-7.57e-04	-2.10e-04
54	58	-0.10	0.07	-0.22	-3.35e-04	-4.26e-04	-7.53e-05
54	59	-0.08	0.07	-0.26	-5.95e-04	-7.58e-04	-2.27e-04
54	60	0.06	-0.09	-0.24	4.84e-04	3.63e-04	2.39e-04
54	61	-0.13	0.11	-0.25	-7.88e-04	-9.35e-04	-2.96e-04
54	62	8.34e-03	-0.05	-0.23	2.91e-04	1.86e-04	1.70e-04
54	63	-0.08	0.07	-0.26	-5.91e-04	-7.55e-04	-2.27e-04
54	64	0.06	-0.09	-0.24	4.88e-04	3.66e-04	2.39e-04
54	65	-0.13	0.11	-0.25	-7.92e-04	-9.39e-04	-2.96e-04
54	66	7.89e-03	-0.04	-0.23	2.87e-04	1.83e-04	1.71e-04
54	67	-0.08	0.06	-0.26	-5.61e-04	-7.48e-04	-2.18e-04
54	68	0.06	-0.08	-0.24	4.51e-04	3.53e-04	2.30e-04
54	69	-0.13	0.10	-0.25	-7.55e-04	-9.25e-04	-2.87e-04
54	70	6.93e-03	-0.04	-0.23	2.58e-04	1.76e-04	1.61e-04
54	71	-0.08	0.06	-0.26	-5.58e-04	-7.45e-04	-2.18e-04
54	72	0.06	-0.08	-0.24	4.55e-04	3.56e-04	2.30e-04
54	73	-0.13	0.11	-0.25	-7.59e-04	-9.29e-04	-2.87e-04
54	74	6.47e-03	-0.04	-0.23	2.54e-04	1.73e-04	1.62e-04
54	75	0.02	-0.03	-0.27	-1.93e-05	-1.81e-04	8.35e-06
54	76	0.05	-0.07	-0.26	2.48e-04	9.71e-05	1.24e-04
54	77	-0.12	0.09	-0.23	-5.52e-04	-6.70e-04	-1.81e-04
54	78	-0.09	0.05	-0.22	-2.84e-04	-3.91e-04	-6.52e-05
54	79	0.02	-0.03	-0.27	-1.11e-05	-1.78e-04	1.06e-05
54	80	0.05	-0.07	-0.26	2.40e-04	9.46e-05	1.22e-04
54	81	-0.12	0.09	-0.23	-5.44e-04	-6.67e-04	-1.79e-04
54	82	-0.09	0.06	-0.22	-2.93e-04	-3.94e-04	-6.75e-05
54	83	0.02	-0.03	-0.27	-8.68e-06	-1.72e-04	8.05e-06
54	84	0.05	-0.07	-0.26	2.59e-04	1.06e-04	1.24e-04
54	85	-0.12	0.09	-0.23	-5.63e-04	-6.78e-04	-1.81e-04
54	86	-0.09	0.06	-0.22	-2.95e-04	-4.00e-04	-6.49e-05
54	87	0.02	-0.03	-0.27	0.0	-1.70e-04	1.03e-05
54	88	0.05	-0.07	-0.26	2.51e-04	1.03e-04	1.21e-04
54	89	-0.12	0.09	-0.23	-5.54e-04	-6.76e-04	-1.78e-04
54	90	-0.09	0.06	-0.22	-3.03e-04	-4.02e-04	-6.72e-05
54	91	-0.07	0.06	-0.26	-5.18e-04	-6.76e-04	-1.93e-04
54	92	0.04	-0.07	-0.24	3.74e-04	2.51e-04	1.93e-04
54	93	-0.11	0.10	-0.25	-6.78e-04	-8.23e-04	-2.50e-04
54	94	7.45e-04	-0.04	-0.23	2.14e-04	1.04e-04	1.36e-04
54	95	-0.07	0.06	-0.26	-5.15e-04	-6.74e-04	-1.93e-04
54	96	0.04	-0.07	-0.24	3.77e-04	2.53e-04	1.93e-04
54	97	-0.11	0.10	-0.25	-6.81e-04	-8.26e-04	-2.49e-04
54	98	3.63e-04	-0.04	-0.23	2.11e-04	1.01e-04	1.36e-04
54	99	-0.07	0.05	-0.26	-4.90e-04	-6.68e-04	-1.85e-04
54	100	0.04	-0.07	-0.24	3.46e-04	2.42e-04	1.85e-04
54	101	-0.11	0.09	-0.25	-6.50e-04	-8.15e-04	-2.42e-04
54	102	-4.25e-04	-0.03	-0.23	1.87e-04	9.57e-05	1.28e-04
54	103	-0.07	0.05	-0.26	-4.87e-04	-6.66e-04	-1.85e-04
54	104	0.04	-0.07	-0.24	3.50e-04	2.45e-04	1.85e-04

54	105	-0.11	0.09	-0.25	-6.53e-04	-8.17e-04	-2.42e-04
54	106	-8.06e-04	-0.03	-0.23	1.83e-04	9.31e-05	1.29e-04
55	1	-1.04e-04	4.66e-04	-0.27	-1.42e-04	-6.22e-05	0.0
55	2	-2.63e-04	-2.02e-04	-0.41	-5.89e-04	-1.34e-04	0.0
55	3	-7.66e-05	3.71e-04	-0.21	-1.01e-04	-4.65e-05	0.0
55	4	-2.37e-04	-2.96e-04	-0.34	-5.48e-04	-1.19e-04	0.0
55	5	-7.83e-05	3.64e-04	-0.21	-1.06e-04	-4.73e-05	0.0
55	6	-1.85e-04	-8.11e-05	-0.30	-4.03e-04	-9.53e-05	0.0
55	7	-7.83e-05	3.64e-04	-0.21	-1.06e-04	-4.73e-05	0.0
55	8	-1.53e-04	5.23e-05	-0.27	-3.14e-04	-8.09e-05	0.0
55	9	-7.83e-05	3.64e-04	-0.21	-1.06e-04	-4.73e-05	0.0
55	10	-1.42e-04	9.68e-05	-0.26	-2.84e-04	-7.61e-05	0.0
55	11	0.03	0.03	-0.19	-3.14e-04	-4.79e-05	0.0
55	12	0.04	-7.45e-03	-0.26	1.38e-03	-2.84e-06	0.0
55	13	-0.05	7.65e-03	-0.27	-1.94e-03	-1.49e-04	0.0
55	14	-0.03	-0.03	-0.34	-2.55e-04	-1.04e-04	0.0
55	15	0.03	0.03	-0.19	-2.56e-04	-4.83e-05	0.0
55	16	0.05	-7.62e-03	-0.26	1.32e-03	-2.53e-06	0.0
55	17	-0.05	7.81e-03	-0.27	-1.89e-03	-1.50e-04	0.0
55	18	-0.03	-0.03	-0.34	-3.12e-04	-1.04e-04	0.0
55	19	0.03	0.03	-0.19	-2.69e-04	-4.96e-05	0.0
55	20	0.04	-7.57e-03	-0.26	1.42e-03	-4.47e-06	0.0
55	21	-0.04	7.76e-03	-0.27	-1.99e-03	-1.48e-04	0.0
55	22	-0.03	-0.03	-0.34	-3.00e-04	-1.03e-04	0.0
55	23	0.03	0.03	-0.19	-2.12e-04	-4.99e-05	0.0
55	24	0.04	-7.74e-03	-0.26	1.36e-03	-4.15e-06	0.0
55	25	-0.04	7.93e-03	-0.27	-1.93e-03	-1.48e-04	0.0
55	26	-0.03	-0.03	-0.34	-3.57e-04	-1.02e-04	0.0
55	27	-7.25e-03	0.06	-0.13	-2.86e-03	-1.36e-04	0.0
55	28	0.03	-0.06	-0.37	2.78e-03	1.43e-05	0.0
55	29	-0.03	0.06	-0.16	-3.35e-03	-1.66e-04	0.0
55	30	6.96e-03	-0.06	-0.40	2.29e-03	-1.61e-05	0.0
55	31	-7.44e-03	0.06	-0.13	-2.84e-03	-1.37e-04	0.0
55	32	0.03	-0.06	-0.37	2.79e-03	1.38e-05	0.0
55	33	-0.03	0.06	-0.16	-3.36e-03	-1.66e-04	0.0
55	34	7.15e-03	-0.06	-0.39	2.27e-03	-1.56e-05	0.0
55	35	-8.32e-03	0.06	-0.14	-2.66e-03	-1.37e-04	0.0
55	36	0.03	-0.06	-0.36	2.59e-03	1.54e-05	0.0
55	37	-0.03	0.06	-0.16	-3.15e-03	-1.68e-04	0.0
55	38	8.04e-03	-0.06	-0.39	2.10e-03	-1.50e-05	0.0
55	39	-8.51e-03	0.06	-0.14	-2.65e-03	-1.38e-04	0.0
55	40	0.03	-0.06	-0.36	2.60e-03	1.49e-05	0.0
55	41	-0.03	0.06	-0.16	-3.17e-03	-1.67e-04	0.0
55	42	8.23e-03	-0.06	-0.39	2.08e-03	-1.46e-05	0.0
55	43	0.03	0.02	-0.20	-3.10e-04	-5.43e-05	0.0
55	44	0.04	-5.98e-03	-0.26	1.03e-03	-1.86e-05	0.0
55	45	-0.04	6.18e-03	-0.27	-1.60e-03	-1.34e-04	0.0
55	46	-0.03	-0.02	-0.33	-2.59e-04	-9.79e-05	0.0
55	47	0.03	0.02	-0.20	-2.65e-04	-5.45e-05	0.0
55	48	0.04	-6.11e-03	-0.26	9.83e-04	-1.84e-05	0.0
55	49	-0.04	6.31e-03	-0.27	-1.55e-03	-1.34e-04	0.0
55	50	-0.03	-0.02	-0.32	-3.04e-04	-9.76e-05	0.0
55	51	0.03	0.02	-0.21	-2.75e-04	-5.55e-05	0.0
55	52	0.03	-6.10e-03	-0.26	1.06e-03	-1.98e-05	0.0
55	53	-0.03	6.30e-03	-0.27	-1.63e-03	-1.32e-04	0.0
55	54	-0.03	-0.02	-0.32	-2.94e-04	-9.66e-05	0.0
55	55	0.03	0.02	-0.21	-2.30e-04	-5.58e-05	0.0
55	56	0.03	-6.23e-03	-0.26	1.02e-03	-1.96e-05	0.0
55	57	-0.04	6.43e-03	-0.27	-1.59e-03	-1.33e-04	0.0
55	58	-0.03	-0.02	-0.32	-3.39e-04	-9.64e-05	0.0
55	59	-5.71e-03	0.05	-0.16	-2.32e-03	-1.24e-04	0.0
55	60	0.02	-0.05	-0.35	2.14e-03	-4.71e-06	0.0
55	61	-0.02	0.05	-0.18	-2.71e-03	-1.47e-04	0.0
55	62	5.42e-03	-0.05	-0.37	1.75e-03	-2.85e-05	0.0
55	63	-5.88e-03	0.05	-0.16	-2.31e-03	-1.24e-04	0.0
55	64	0.02	-0.05	-0.35	2.15e-03	-5.07e-06	0.0
55	65	-0.02	0.05	-0.18	-2.72e-03	-1.47e-04	0.0
55	66	5.60e-03	-0.05	-0.37	1.74e-03	-2.81e-05	0.0
55	67	-6.57e-03	0.05	-0.17	-2.17e-03	-1.24e-04	0.0
55	68	0.02	-0.05	-0.34	1.99e-03	-3.88e-06	0.0
55	69	-0.03	0.05	-0.19	-2.56e-03	-1.48e-04	0.0
55	70	6.28e-03	-0.05	-0.36	1.60e-03	-2.77e-05	0.0

55	71	-6.74e-03	0.05	-0.17	-2.16e-03	-1.25e-04	0.0
55	72	0.02	-0.05	-0.34	2.00e-03	-4.25e-06	0.0
55	73	-0.02	0.05	-0.18	-2.57e-03	-1.48e-04	0.0
55	74	6.46e-03	-0.05	-0.36	1.59e-03	-2.73e-05	0.0
55	75	0.02	0.02	-0.21	-3.05e-04	-5.80e-05	0.0
55	76	0.03	-4.91e-03	-0.26	8.02e-04	-2.85e-05	0.0
55	77	-0.03	5.11e-03	-0.27	-1.37e-03	-1.24e-04	0.0
55	78	-0.02	-0.02	-0.31	-2.64e-04	-9.41e-05	0.0
55	79	0.02	0.02	-0.21	-2.67e-04	-5.82e-05	0.0
55	80	0.03	-5.02e-03	-0.26	7.64e-04	-2.83e-05	0.0
55	81	-0.03	5.21e-03	-0.27	-1.33e-03	-1.24e-04	0.0
55	82	-0.02	-0.02	-0.31	-3.01e-04	-9.39e-05	0.0
55	83	0.02	0.02	-0.22	-2.76e-04	-5.90e-05	0.0
55	84	0.03	-5.01e-03	-0.26	8.30e-04	-2.95e-05	0.0
55	85	-0.03	5.20e-03	-0.27	-1.40e-03	-1.23e-04	0.0
55	86	-0.02	-0.02	-0.31	-2.93e-04	-9.31e-05	0.0
55	87	0.02	0.02	-0.22	-2.39e-04	-5.92e-05	0.0
55	88	0.03	-5.12e-03	-0.26	7.93e-04	-2.93e-05	0.0
55	89	-0.03	5.31e-03	-0.27	-1.36e-03	-1.23e-04	0.0
55	90	-0.02	-0.02	-0.31	-3.30e-04	-9.29e-05	0.0
55	91	-4.74e-03	0.04	-0.18	-1.97e-03	-1.15e-04	0.0
55	92	0.02	-0.04	-0.33	1.72e-03	-1.71e-05	0.0
55	93	-0.02	0.04	-0.19	-2.29e-03	-1.35e-04	0.0
55	94	4.46e-03	-0.04	-0.35	1.40e-03	-3.68e-05	0.0
55	95	-4.89e-03	0.04	-0.18	-1.96e-03	-1.16e-04	0.0
55	96	0.02	-0.04	-0.33	1.73e-03	-1.74e-05	0.0
55	97	-0.02	0.04	-0.19	-2.30e-03	-1.35e-04	0.0
55	98	4.60e-03	-0.04	-0.35	1.39e-03	-3.64e-05	0.0
55	99	-5.45e-03	0.04	-0.18	-1.84e-03	-1.16e-04	0.0
55	100	0.02	-0.04	-0.33	1.59e-03	-1.64e-05	0.0
55	101	-0.02	0.04	-0.20	-2.16e-03	-1.36e-04	0.0
55	102	5.16e-03	-0.04	-0.35	1.27e-03	-3.61e-05	0.0
55	103	-5.59e-03	0.04	-0.18	-1.84e-03	-1.16e-04	0.0
55	104	0.02	-0.04	-0.33	1.60e-03	-1.67e-05	0.0
55	105	-0.02	0.04	-0.20	-2.17e-03	-1.35e-04	0.0
55	106	5.31e-03	-0.04	-0.34	1.27e-03	-3.58e-05	0.0
60	1	-1.41e-04	5.10e-04	-0.27	-1.00e-04	2.40e-05	0.0
60	2	2.08e-04	-1.13e-04	-0.43	-4.69e-04	4.75e-05	0.0
60	3	-1.15e-04	4.04e-04	-0.20	-7.03e-05	1.80e-05	0.0
60	4	2.34e-04	-2.19e-04	-0.36	-4.39e-04	4.15e-05	0.0
60	5	-1.11e-04	3.97e-04	-0.21	-7.43e-05	1.83e-05	0.0
60	6	1.21e-04	-1.80e-05	-0.31	-3.20e-04	3.39e-05	0.0
60	7	-1.11e-04	3.97e-04	-0.21	-7.43e-05	1.83e-05	0.0
60	8	5.13e-05	1.07e-04	-0.28	-2.46e-04	2.92e-05	0.0
60	9	-1.11e-04	3.97e-04	-0.21	-7.43e-05	1.83e-05	0.0
60	10	2.81e-05	1.48e-04	-0.27	-2.22e-04	2.77e-05	0.0
60	11	0.03	0.04	-0.22	-2.20e-04	3.93e-04	0.0
60	12	0.05	7.17e-03	-0.26	8.57e-04	4.83e-04	0.0
60	13	-0.05	-6.87e-03	-0.27	-1.30e-03	-4.28e-04	0.0
60	14	-0.03	-0.04	-0.32	-2.24e-04	-3.37e-04	0.0
60	15	0.03	0.04	-0.22	-2.02e-04	3.86e-04	0.0
60	16	0.05	7.87e-03	-0.26	8.39e-04	4.90e-04	0.0
60	17	-0.05	-7.57e-03	-0.27	-1.28e-03	-4.34e-04	0.0
60	18	-0.03	-0.04	-0.32	-2.41e-04	-3.31e-04	0.0
60	19	0.03	0.04	-0.22	-1.86e-04	4.03e-04	0.0
60	20	0.05	7.47e-03	-0.26	8.90e-04	4.93e-04	0.0
60	21	-0.05	-7.18e-03	-0.27	-1.33e-03	-4.38e-04	0.0
60	22	-0.03	-0.04	-0.31	-2.57e-04	-3.48e-04	0.0
60	23	0.03	0.04	-0.22	-1.69e-04	3.96e-04	0.0
60	24	0.05	8.17e-03	-0.26	8.73e-04	5.00e-04	0.0
60	25	-0.05	-7.87e-03	-0.27	-1.32e-03	-4.45e-04	0.0
60	26	-0.03	-0.04	-0.31	-2.75e-04	-3.41e-04	0.0
60	27	-8.89e-03	0.06	-0.19	-1.85e-03	0.0	0.0
60	28	0.03	-0.04	-0.33	1.73e-03	3.01e-04	0.0
60	29	-0.03	0.04	-0.21	-2.18e-03	-2.46e-04	0.0
60	30	8.94e-03	-0.06	-0.35	1.41e-03	5.50e-05	0.0
60	31	-9.10e-03	0.06	-0.19	-1.84e-03	3.38e-06	0.0
60	32	0.03	-0.04	-0.33	1.74e-03	3.04e-04	0.0
60	33	-0.03	0.04	-0.21	-2.19e-03	-2.49e-04	0.0
60	34	9.15e-03	-0.06	-0.35	1.40e-03	5.19e-05	0.0
60	35	-9.81e-03	0.06	-0.19	-1.79e-03	-2.20e-05	0.0
60	36	0.03	-0.04	-0.33	1.68e-03	3.23e-04	0.0

60	37	-0.03	0.04	-0.21	-2.12e-03	-2.68e-04	0.0
60	38	9.87e-03	-0.06	-0.35	1.35e-03	7.73e-05	0.0
60	39	-0.01	0.06	-0.19	-1.78e-03	-1.89e-05	0.0
60	40	0.03	-0.04	-0.33	1.69e-03	3.27e-04	0.0
60	41	-0.03	0.04	-0.21	-2.13e-03	-2.71e-04	0.0
60	42	0.01	-0.06	-0.35	1.34e-03	7.42e-05	0.0
60	43	0.03	0.03	-0.23	-2.20e-04	3.17e-04	0.0
60	44	0.04	5.62e-03	-0.26	6.33e-04	3.88e-04	0.0
60	45	-0.04	-5.33e-03	-0.27	-1.08e-03	-3.33e-04	0.0
60	46	-0.03	-0.03	-0.31	-2.23e-04	-2.61e-04	0.0
60	47	0.03	0.03	-0.23	-2.06e-04	3.11e-04	0.0
60	48	0.04	6.18e-03	-0.26	6.19e-04	3.93e-04	0.0
60	49	-0.04	-5.88e-03	-0.27	-1.06e-03	-3.38e-04	0.0
60	50	-0.03	-0.03	-0.31	-2.37e-04	-2.56e-04	0.0
60	51	0.03	0.03	-0.23	-1.94e-04	3.25e-04	0.0
60	52	0.04	5.83e-03	-0.27	6.60e-04	3.96e-04	0.0
60	53	-0.04	-5.54e-03	-0.27	-1.10e-03	-3.41e-04	0.0
60	54	-0.03	-0.03	-0.30	-2.50e-04	-2.69e-04	0.0
60	55	0.03	0.03	-0.23	-1.80e-04	3.19e-04	0.0
60	56	0.04	6.39e-03	-0.27	6.46e-04	4.01e-04	0.0
60	57	-0.04	-6.09e-03	-0.27	-1.09e-03	-3.46e-04	0.0
60	58	-0.03	-0.03	-0.30	-2.64e-04	-2.64e-04	0.0
60	59	-6.96e-03	0.05	-0.21	-1.52e-03	6.16e-06	0.0
60	60	0.03	-0.04	-0.32	1.33e-03	2.44e-04	0.0
60	61	-0.03	0.04	-0.22	-1.77e-03	-1.89e-04	0.0
60	62	7.02e-03	-0.05	-0.33	1.07e-03	4.92e-05	0.0
60	63	-7.15e-03	0.05	-0.21	-1.51e-03	8.56e-06	0.0
60	64	0.03	-0.04	-0.32	1.34e-03	2.46e-04	0.0
60	65	-0.03	0.04	-0.22	-1.78e-03	-1.91e-04	0.0
60	66	7.21e-03	-0.05	-0.33	1.06e-03	4.68e-05	0.0
60	67	-7.71e-03	0.04	-0.21	-1.47e-03	-1.15e-05	0.0
60	68	0.03	-0.03	-0.32	1.28e-03	2.62e-04	0.0
60	69	-0.03	0.03	-0.22	-1.73e-03	-2.06e-04	0.0
60	70	7.76e-03	-0.04	-0.33	1.03e-03	6.68e-05	0.0
60	71	-7.90e-03	0.04	-0.21	-1.46e-03	-9.09e-06	0.0
60	72	0.03	-0.03	-0.32	1.29e-03	2.64e-04	0.0
60	73	-0.03	0.03	-0.22	-1.73e-03	-2.09e-04	0.0
60	74	7.95e-03	-0.04	-0.33	1.02e-03	6.44e-05	0.0
60	75	0.02	0.02	-0.24	-2.20e-04	2.67e-04	0.0
60	76	0.03	4.70e-03	-0.27	4.85e-04	3.26e-04	0.0
60	77	-0.03	-4.40e-03	-0.27	-9.28e-04	-2.70e-04	0.0
60	78	-0.02	-0.02	-0.30	-2.23e-04	-2.11e-04	0.0
60	79	0.02	0.02	-0.24	-2.09e-04	2.62e-04	0.0
60	80	0.03	5.16e-03	-0.27	4.73e-04	3.30e-04	0.0
60	81	-0.03	-4.86e-03	-0.27	-9.16e-04	-2.75e-04	0.0
60	82	-0.02	-0.02	-0.30	-2.34e-04	-2.07e-04	0.0
60	83	0.02	0.03	-0.24	-1.98e-04	2.73e-04	0.0
60	84	0.03	4.87e-03	-0.27	5.07e-04	3.32e-04	0.0
60	85	-0.03	-4.57e-03	-0.27	-9.50e-04	-2.77e-04	0.0
60	86	-0.02	-0.02	-0.30	-2.45e-04	-2.18e-04	0.0
60	87	0.02	0.02	-0.24	-1.87e-04	2.69e-04	0.0
60	88	0.03	5.33e-03	-0.27	4.95e-04	3.37e-04	0.0
60	89	-0.03	-5.03e-03	-0.27	-9.38e-04	-2.81e-04	0.0
60	90	-0.02	-0.02	-0.30	-2.56e-04	-2.13e-04	0.0
60	91	-5.74e-03	0.04	-0.22	-1.29e-03	9.89e-06	0.0
60	92	0.02	-0.03	-0.31	1.06e-03	2.06e-04	0.0
60	93	-0.02	0.03	-0.23	-1.50e-03	-1.51e-04	0.0
60	94	5.80e-03	-0.04	-0.32	8.47e-04	4.54e-05	0.0
60	95	-5.90e-03	0.04	-0.22	-1.28e-03	1.19e-05	0.0
60	96	0.02	-0.03	-0.31	1.07e-03	2.08e-04	0.0
60	97	-0.02	0.03	-0.23	-1.51e-03	-1.53e-04	0.0
60	98	5.96e-03	-0.04	-0.32	8.41e-04	4.34e-05	0.0
60	99	-6.36e-03	0.04	-0.22	-1.25e-03	-4.70e-06	0.0
60	100	0.02	-0.03	-0.31	1.02e-03	2.21e-04	0.0
60	101	-0.02	0.03	-0.23	-1.46e-03	-1.66e-04	0.0
60	102	6.42e-03	-0.04	-0.32	8.09e-04	6.00e-05	0.0
60	103	-6.52e-03	0.04	-0.22	-1.25e-03	-2.72e-06	0.0
60	104	0.02	-0.03	-0.31	1.03e-03	2.23e-04	0.0
60	105	-0.02	0.03	-0.23	-1.47e-03	-1.68e-04	0.0
60	106	6.58e-03	-0.04	-0.32	8.02e-04	5.80e-05	0.0
61	1	-1.06e-04	4.75e-04	-0.27	-1.01e-04	2.33e-05	0.0
61	2	1.26e-04	-2.53e-05	-0.45	-4.70e-04	4.50e-05	0.0

61	3	-8.56e-05	3.75e-04	-0.21	-7.07e-05	1.75e-05	0.0
61	4	1.46e-04	-1.26e-04	-0.39	-4.40e-04	3.92e-05	0.0
61	5	-8.31e-05	3.70e-04	-0.21	-7.47e-05	1.78e-05	0.0
61	6	7.11e-05	3.60e-05	-0.33	-3.21e-04	3.22e-05	0.0
61	7	-8.31e-05	3.70e-04	-0.21	-7.47e-05	1.78e-05	0.0
61	8	2.49e-05	1.36e-04	-0.29	-2.47e-04	2.79e-05	0.0
61	9	-8.31e-05	3.70e-04	-0.21	-7.47e-05	1.78e-05	0.0
61	10	9.44e-06	1.70e-04	-0.28	-2.22e-04	2.64e-05	0.0
61	11	0.03	0.04	-0.26	-2.21e-04	3.92e-04	5.01e-06
61	12	0.05	0.01	-0.25	8.57e-04	4.82e-04	2.31e-06
61	13	-0.05	-9.83e-03	-0.31	-1.30e-03	-4.29e-04	-1.26e-06
61	14	-0.03	-0.04	-0.30	-2.24e-04	-3.39e-04	-3.95e-06
61	15	0.03	0.04	-0.26	-2.03e-04	3.85e-04	5.26e-06
61	16	0.05	0.01	-0.25	8.39e-04	4.89e-04	2.06e-06
61	17	-0.05	-0.01	-0.31	-1.28e-03	-4.36e-04	-1.01e-06
61	18	-0.03	-0.04	-0.30	-2.42e-04	-3.32e-04	-4.20e-06
61	19	0.03	0.04	-0.26	-1.87e-04	4.02e-04	5.16e-06
61	20	0.05	0.01	-0.25	8.90e-04	4.93e-04	2.46e-06
61	21	-0.05	-0.01	-0.31	-1.34e-03	-4.40e-04	-1.40e-06
61	22	-0.03	-0.04	-0.30	-2.58e-04	-3.49e-04	-4.10e-06
61	23	0.03	0.04	-0.26	-1.70e-04	3.95e-04	5.40e-06
61	24	0.05	0.01	-0.25	8.73e-04	4.99e-04	2.21e-06
61	25	-0.05	-0.01	-0.31	-1.32e-03	-4.46e-04	-1.16e-06
61	26	-0.03	-0.04	-0.30	-2.75e-04	-3.42e-04	-4.35e-06
61	27	-6.02e-03	0.06	-0.30	-1.86e-03	0.0	5.96e-06
61	28	0.03	-0.04	-0.25	1.74e-03	3.00e-04	-3.03e-06
61	29	-0.03	0.04	-0.31	-2.18e-03	-2.47e-04	4.08e-06
61	30	6.04e-03	-0.06	-0.26	1.41e-03	5.38e-05	-4.91e-06
61	31	-6.16e-03	0.06	-0.30	-1.85e-03	2.15e-06	6.01e-06
61	32	0.03	-0.04	-0.25	1.75e-03	3.03e-04	-2.99e-06
61	33	-0.03	0.04	-0.31	-2.19e-03	-2.50e-04	4.04e-06
61	34	6.18e-03	-0.06	-0.27	1.40e-03	5.07e-05	-4.95e-06
61	35	-6.90e-03	0.05	-0.30	-1.80e-03	-2.38e-05	6.79e-06
61	36	0.03	-0.04	-0.25	1.68e-03	3.23e-04	-3.86e-06
61	37	-0.03	0.04	-0.31	-2.12e-03	-2.70e-04	4.91e-06
61	38	6.92e-03	-0.05	-0.27	1.35e-03	7.66e-05	-5.74e-06
61	39	-7.04e-03	0.05	-0.30	-1.79e-03	-2.06e-05	6.83e-06
61	40	0.03	-0.04	-0.25	1.69e-03	3.26e-04	-3.81e-06
61	41	-0.03	0.04	-0.31	-2.13e-03	-2.73e-04	4.87e-06
61	42	7.06e-03	-0.05	-0.27	1.34e-03	7.35e-05	-5.78e-06
61	43	0.03	0.03	-0.27	-2.21e-04	3.16e-04	4.07e-06
61	44	0.04	8.01e-03	-0.26	6.33e-04	3.87e-04	1.93e-06
61	45	-0.04	-7.68e-03	-0.30	-1.08e-03	-3.34e-04	0.0
61	46	-0.03	-0.03	-0.29	-2.24e-04	-2.63e-04	-3.02e-06
61	47	0.03	0.03	-0.27	-2.07e-04	3.10e-04	4.27e-06
61	48	0.04	8.68e-03	-0.26	6.19e-04	3.92e-04	1.74e-06
61	49	-0.04	-8.34e-03	-0.30	-1.06e-03	-3.39e-04	0.0
61	50	-0.03	-0.03	-0.29	-2.38e-04	-2.57e-04	-3.21e-06
61	51	0.03	0.03	-0.27	-1.95e-04	3.24e-04	4.19e-06
61	52	0.04	8.22e-03	-0.26	6.59e-04	3.95e-04	2.05e-06
61	53	-0.04	-7.88e-03	-0.31	-1.10e-03	-3.42e-04	0.0
61	54	-0.03	-0.03	-0.29	-2.50e-04	-2.71e-04	-3.13e-06
61	55	0.03	0.03	-0.27	-1.81e-04	3.18e-04	4.38e-06
61	56	0.04	8.88e-03	-0.26	6.45e-04	4.00e-04	1.85e-06
61	57	-0.04	-8.54e-03	-0.31	-1.09e-03	-3.48e-04	0.0
61	58	-0.03	-0.03	-0.29	-2.64e-04	-2.65e-04	-3.33e-06
61	59	-4.71e-03	0.04	-0.29	-1.52e-03	4.91e-06	4.83e-06
61	60	0.02	-0.03	-0.26	1.33e-03	2.43e-04	-2.29e-06
61	61	-0.02	0.03	-0.30	-1.77e-03	-1.90e-04	3.35e-06
61	62	4.73e-03	-0.04	-0.27	1.07e-03	4.79e-05	-3.78e-06
61	63	-4.84e-03	0.04	-0.29	-1.51e-03	7.34e-06	4.87e-06
61	64	0.02	-0.03	-0.26	1.34e-03	2.45e-04	-2.26e-06
61	65	-0.02	0.03	-0.31	-1.78e-03	-1.92e-04	3.31e-06
61	66	4.86e-03	-0.04	-0.27	1.06e-03	4.55e-05	-3.81e-06
61	67	-5.42e-03	0.04	-0.29	-1.47e-03	-1.32e-05	5.49e-06
61	68	0.02	-0.03	-0.26	1.28e-03	2.61e-04	-2.95e-06
61	69	-0.02	0.03	-0.30	-1.73e-03	-2.08e-04	4.00e-06
61	70	5.44e-03	-0.04	-0.27	1.03e-03	6.60e-05	-4.43e-06
61	71	-5.55e-03	0.04	-0.29	-1.46e-03	-1.07e-05	5.52e-06
61	72	0.02	-0.03	-0.26	1.29e-03	2.63e-04	-2.91e-06
61	73	-0.02	0.03	-0.30	-1.74e-03	-2.10e-04	3.97e-06
61	74	5.57e-03	-0.04	-0.27	1.02e-03	6.36e-05	-4.47e-06

61	75	0.02	0.03	-0.27	-2.21e-04	2.65e-04	3.46e-06
61	76	0.03	6.68e-03	-0.26	4.84e-04	3.24e-04	1.69e-06
61	77	-0.03	-6.34e-03	-0.30	-9.29e-04	-2.72e-04	0.0
61	78	-0.02	-0.03	-0.29	-2.24e-04	-2.13e-04	-2.40e-06
61	79	0.02	0.02	-0.27	-2.10e-04	2.61e-04	3.62e-06
61	80	0.03	7.23e-03	-0.26	4.73e-04	3.29e-04	1.53e-06
61	81	-0.03	-6.89e-03	-0.30	-9.18e-04	-2.76e-04	0.0
61	82	-0.02	-0.02	-0.29	-2.35e-04	-2.08e-04	-2.57e-06
61	83	0.02	0.03	-0.27	-1.99e-04	2.72e-04	3.55e-06
61	84	0.03	6.84e-03	-0.26	5.06e-04	3.31e-04	1.79e-06
61	85	-0.03	-6.51e-03	-0.30	-9.51e-04	-2.78e-04	0.0
61	86	-0.02	-0.03	-0.29	-2.46e-04	-2.19e-04	-2.50e-06
61	87	0.02	0.03	-0.27	-1.88e-04	2.68e-04	3.72e-06
61	88	0.03	7.39e-03	-0.26	4.95e-04	3.36e-04	1.62e-06
61	89	-0.03	-7.05e-03	-0.30	-9.40e-04	-2.83e-04	0.0
61	90	-0.02	-0.02	-0.29	-2.57e-04	-2.15e-04	-2.66e-06
61	91	-3.89e-03	0.04	-0.29	-1.29e-03	8.65e-06	4.08e-06
61	92	0.02	-0.03	-0.26	1.06e-03	2.05e-04	-1.80e-06
61	93	-0.02	0.03	-0.30	-1.50e-03	-1.52e-04	2.86e-06
61	94	3.91e-03	-0.04	-0.27	8.48e-04	4.42e-05	-3.03e-06
61	95	-4.00e-03	0.04	-0.29	-1.29e-03	1.07e-05	4.11e-06
61	96	0.02	-0.03	-0.26	1.07e-03	2.07e-04	-1.77e-06
61	97	-0.02	0.03	-0.30	-1.51e-03	-1.54e-04	2.83e-06
61	98	4.02e-03	-0.04	-0.27	8.41e-04	4.22e-05	-3.06e-06
61	99	-4.47e-03	0.03	-0.29	-1.25e-03	-6.28e-06	4.63e-06
61	100	0.02	-0.02	-0.26	1.02e-03	2.20e-04	-2.34e-06
61	101	-0.02	0.02	-0.30	-1.47e-03	-1.67e-04	3.40e-06
61	102	4.49e-03	-0.03	-0.27	8.09e-04	5.91e-05	-3.57e-06
61	103	-4.58e-03	0.03	-0.29	-1.25e-03	-4.28e-06	4.66e-06
61	104	0.02	-0.02	-0.26	1.03e-03	2.22e-04	-2.32e-06
61	105	-0.02	0.02	-0.30	-1.47e-03	-1.69e-04	3.37e-06
61	106	4.60e-03	-0.03	-0.27	8.02e-04	5.71e-05	-3.60e-06
62	1	-7.37e-05	5.10e-04	-0.28	-1.02e-04	2.49e-05	0.0
62	2	2.83e-05	-1.15e-04	-0.47	-4.72e-04	5.04e-05	0.0
62	3	-5.87e-05	4.04e-04	-0.21	-7.11e-05	1.87e-05	0.0
62	4	4.34e-05	-2.21e-04	-0.41	-4.42e-04	4.41e-05	0.0
62	5	-5.76e-05	3.97e-04	-0.21	-7.51e-05	1.90e-05	0.0
62	6	1.05e-05	-1.94e-05	-0.34	-3.22e-04	3.59e-05	0.0
62	7	-5.76e-05	3.97e-04	-0.21	-7.51e-05	1.90e-05	0.0
62	8	-9.94e-06	1.06e-04	-0.30	-2.48e-04	3.08e-05	0.0
62	9	-5.76e-05	3.97e-04	-0.21	-7.51e-05	1.90e-05	0.0
62	10	-1.67e-05	1.47e-04	-0.29	-2.23e-04	2.91e-05	0.0
62	11	0.04	0.04	-0.26	-2.21e-04	3.94e-04	0.0
62	12	0.05	7.17e-03	-0.19	8.56e-04	4.85e-04	0.0
62	13	-0.05	-6.87e-03	-0.39	-1.30e-03	-4.27e-04	0.0
62	14	-0.04	-0.04	-0.32	-2.26e-04	-3.36e-04	0.0
62	15	0.04	0.04	-0.26	-2.03e-04	3.88e-04	0.0
62	16	0.05	7.86e-03	-0.19	8.39e-04	4.92e-04	0.0
62	17	-0.05	-7.57e-03	-0.39	-1.29e-03	-4.33e-04	0.0
62	18	-0.04	-0.04	-0.32	-2.44e-04	-3.29e-04	0.0
62	19	0.04	0.04	-0.26	-1.87e-04	4.05e-04	0.0
62	20	0.05	7.47e-03	-0.19	8.90e-04	4.95e-04	0.0
62	21	-0.05	-7.18e-03	-0.39	-1.34e-03	-4.37e-04	0.0
62	22	-0.04	-0.04	-0.33	-2.60e-04	-3.47e-04	0.0
62	23	0.04	0.04	-0.26	-1.70e-04	3.98e-04	0.0
62	24	0.05	8.16e-03	-0.19	8.72e-04	5.02e-04	0.0
62	25	-0.05	-7.87e-03	-0.39	-1.32e-03	-4.44e-04	0.0
62	26	-0.04	-0.04	-0.33	-2.77e-04	-3.40e-04	0.0
62	27	-3.77e-03	0.06	-0.39	-1.86e-03	1.69e-06	0.0
62	28	0.03	-0.04	-0.16	1.73e-03	3.03e-04	0.0
62	29	-0.03	0.04	-0.43	-2.18e-03	-2.45e-04	0.0
62	30	3.73e-03	-0.06	-0.20	1.41e-03	5.66e-05	0.0
62	31	-3.84e-03	0.06	-0.39	-1.85e-03	4.83e-06	0.0
62	32	0.03	-0.04	-0.15	1.74e-03	3.06e-04	0.0
62	33	-0.03	0.04	-0.43	-2.19e-03	-2.48e-04	0.0
62	34	3.81e-03	-0.06	-0.20	1.40e-03	5.34e-05	0.0
62	35	-4.81e-03	0.06	-0.38	-1.80e-03	-2.12e-05	0.0
62	36	0.03	-0.04	-0.16	1.68e-03	3.26e-04	0.0
62	37	-0.03	0.04	-0.42	-2.12e-03	-2.68e-04	0.0
62	38	4.78e-03	-0.06	-0.20	1.35e-03	7.95e-05	0.0
62	39	-4.89e-03	0.06	-0.38	-1.79e-03	-1.81e-05	0.0
62	40	0.03	-0.04	-0.16	1.69e-03	3.29e-04	0.0

62	41	-0.03	0.04	-0.42	-2.13e-03	-2.71e-04	0.0
62	42	4.85e-03	-0.06	-0.20	1.34e-03	7.64e-05	0.0
62	43	0.03	0.03	-0.27	-2.21e-04	3.18e-04	0.0
62	44	0.04	5.62e-03	-0.21	6.32e-04	3.90e-04	0.0
62	45	-0.04	-5.33e-03	-0.37	-1.08e-03	-3.31e-04	0.0
62	46	-0.03	-0.03	-0.32	-2.25e-04	-2.60e-04	0.0
62	47	0.03	0.03	-0.27	-2.07e-04	3.13e-04	0.0
62	48	0.04	6.17e-03	-0.21	6.18e-04	3.95e-04	0.0
62	49	-0.04	-5.88e-03	-0.37	-1.07e-03	-3.37e-04	0.0
62	50	-0.03	-0.03	-0.32	-2.39e-04	-2.54e-04	0.0
62	51	0.03	0.03	-0.26	-1.95e-04	3.26e-04	0.0
62	52	0.04	5.83e-03	-0.21	6.59e-04	3.98e-04	0.0
62	53	-0.04	-5.53e-03	-0.37	-1.11e-03	-3.39e-04	0.0
62	54	-0.03	-0.03	-0.32	-2.52e-04	-2.68e-04	0.0
62	55	0.03	0.03	-0.26	-1.81e-04	3.21e-04	0.0
62	56	0.04	6.38e-03	-0.21	6.45e-04	4.03e-04	0.0
62	57	-0.04	-6.09e-03	-0.37	-1.09e-03	-3.45e-04	0.0
62	58	-0.03	-0.03	-0.32	-2.66e-04	-2.63e-04	0.0
62	59	-2.95e-03	0.05	-0.37	-1.52e-03	7.57e-06	0.0
62	60	0.02	-0.04	-0.18	1.33e-03	2.46e-04	0.0
62	61	-0.02	0.04	-0.40	-1.78e-03	-1.87e-04	0.0
62	62	2.92e-03	-0.05	-0.22	1.07e-03	5.07e-05	0.0
62	63	-3.03e-03	0.05	-0.37	-1.51e-03	1.00e-05	0.0
62	64	0.02	-0.04	-0.18	1.34e-03	2.48e-04	0.0
62	65	-0.02	0.04	-0.40	-1.78e-03	-1.90e-04	0.0
62	66	3.00e-03	-0.05	-0.22	1.06e-03	4.83e-05	0.0
62	67	-3.78e-03	0.04	-0.36	-1.47e-03	-1.06e-05	0.0
62	68	0.02	-0.03	-0.19	1.28e-03	2.64e-04	0.0
62	69	-0.02	0.03	-0.39	-1.73e-03	-2.05e-04	0.0
62	70	3.75e-03	-0.04	-0.22	1.02e-03	6.89e-05	0.0
62	71	-3.86e-03	0.04	-0.36	-1.46e-03	-8.16e-06	0.0
62	72	0.02	-0.03	-0.19	1.29e-03	2.66e-04	0.0
62	73	-0.02	0.03	-0.40	-1.74e-03	-2.08e-04	0.0
62	74	3.83e-03	-0.04	-0.22	1.02e-03	6.64e-05	0.0
62	75	0.02	0.02	-0.27	-2.22e-04	2.68e-04	0.0
62	76	0.03	4.69e-03	-0.23	4.84e-04	3.27e-04	0.0
62	77	-0.03	-4.40e-03	-0.36	-9.31e-04	-2.69e-04	0.0
62	78	-0.02	-0.02	-0.31	-2.25e-04	-2.10e-04	0.0
62	79	0.02	0.02	-0.27	-2.10e-04	2.64e-04	0.0
62	80	0.03	5.15e-03	-0.23	4.72e-04	3.32e-04	0.0
62	81	-0.03	-4.86e-03	-0.36	-9.19e-04	-2.73e-04	0.0
62	82	-0.02	-0.02	-0.31	-2.37e-04	-2.05e-04	0.0
62	83	0.02	0.03	-0.27	-2.00e-04	2.75e-04	0.0
62	84	0.03	4.87e-03	-0.22	5.06e-04	3.34e-04	0.0
62	85	-0.03	-4.57e-03	-0.36	-9.53e-04	-2.76e-04	0.0
62	86	-0.02	-0.02	-0.31	-2.47e-04	-2.17e-04	0.0
62	87	0.02	0.02	-0.27	-1.88e-04	2.70e-04	0.0
62	88	0.03	5.32e-03	-0.22	4.94e-04	3.38e-04	0.0
62	89	-0.03	-5.03e-03	-0.36	-9.41e-04	-2.80e-04	0.0
62	90	-0.02	-0.02	-0.31	-2.59e-04	-2.12e-04	0.0
62	91	-2.44e-03	0.04	-0.35	-1.29e-03	1.13e-05	0.0
62	92	0.02	-0.03	-0.20	1.06e-03	2.08e-04	0.0
62	93	-0.02	0.03	-0.38	-1.51e-03	-1.50e-04	0.0
62	94	2.41e-03	-0.04	-0.23	8.46e-04	4.70e-05	0.0
62	95	-2.51e-03	0.04	-0.35	-1.29e-03	1.33e-05	0.0
62	96	0.02	-0.03	-0.20	1.07e-03	2.10e-04	0.0
62	97	-0.02	0.03	-0.38	-1.51e-03	-1.52e-04	0.0
62	98	2.47e-03	-0.04	-0.23	8.40e-04	4.49e-05	0.0
62	99	-3.13e-03	0.04	-0.35	-1.25e-03	-3.71e-06	0.0
62	100	0.02	-0.03	-0.21	1.02e-03	2.23e-04	0.0
62	101	-0.02	0.03	-0.38	-1.47e-03	-1.65e-04	0.0
62	102	3.09e-03	-0.04	-0.23	8.08e-04	6.20e-05	0.0
62	103	-3.19e-03	0.04	-0.35	-1.25e-03	-1.69e-06	0.0
62	104	0.02	-0.03	-0.21	1.03e-03	2.25e-04	0.0
62	105	-0.02	0.03	-0.38	-1.47e-03	-1.67e-04	0.0
62	106	3.16e-03	-0.04	-0.23	8.01e-04	6.00e-05	0.0
67	1	-1.85e-04	4.65e-04	-0.29	-1.44e-04	-6.34e-05	0.0
67	2	-9.59e-05	-2.01e-04	-0.47	-5.92e-04	-1.37e-04	0.0
67	3	-1.44e-04	3.71e-04	-0.22	-1.02e-04	-4.73e-05	0.0
67	4	-5.48e-05	-2.96e-04	-0.40	-5.51e-04	-1.21e-04	0.0
67	5	-1.43e-04	3.64e-04	-0.22	-1.07e-04	-4.81e-05	0.0
67	6	-8.36e-05	-8.07e-05	-0.34	-4.06e-04	-9.73e-05	0.0

67	7	-1.43e-04	3.64e-04	-0.22	-1.07e-04	-4.81e-05	0.0
67	8	-1.01e-04	5.26e-05	-0.30	-3.16e-04	-8.26e-05	0.0
67	9	-1.43e-04	3.64e-04	-0.22	-1.07e-04	-4.81e-05	0.0
67	10	-1.07e-04	9.70e-05	-0.29	-2.86e-04	-7.76e-05	0.0
67	11	0.03	0.03	-0.28	-3.14e-04	-5.07e-05	0.0
67	12	0.05	-7.45e-03	-0.17	1.38e-03	-1.97e-06	0.0
67	13	-0.05	7.64e-03	-0.41	-1.95e-03	-1.53e-04	0.0
67	14	-0.04	-0.03	-0.31	-2.58e-04	-1.05e-04	0.0
67	15	0.03	0.03	-0.27	-2.57e-04	-5.06e-05	0.0
67	16	0.05	-7.61e-03	-0.18	1.32e-03	-2.07e-06	0.0
67	17	-0.05	7.81e-03	-0.41	-1.89e-03	-1.53e-04	0.0
67	18	-0.03	-0.03	-0.31	-3.16e-04	-1.05e-04	0.0
67	19	0.03	0.03	-0.27	-2.69e-04	-5.14e-05	0.0
67	20	0.05	-7.57e-03	-0.17	1.42e-03	-2.67e-06	0.0
67	21	-0.05	7.76e-03	-0.42	-1.99e-03	-1.53e-04	0.0
67	22	-0.03	-0.03	-0.32	-3.03e-04	-1.04e-04	0.0
67	23	0.03	0.03	-0.27	-2.12e-04	-5.13e-05	0.0
67	24	0.05	-7.73e-03	-0.17	1.36e-03	-2.77e-06	0.0
67	25	-0.05	7.93e-03	-0.41	-1.94e-03	-1.53e-04	0.0
67	26	-0.03	-0.03	-0.32	-3.61e-04	-1.04e-04	0.0
67	27	-5.59e-03	0.06	-0.44	-2.86e-03	-1.44e-04	0.0
67	28	0.03	-0.06	-0.10	2.78e-03	1.90e-05	0.0
67	29	-0.03	0.06	-0.48	-3.35e-03	-1.74e-04	0.0
67	30	5.38e-03	-0.06	-0.14	2.29e-03	-1.18e-05	0.0
67	31	-5.67e-03	0.06	-0.44	-2.84e-03	-1.44e-04	0.0
67	32	0.03	-0.06	-0.10	2.79e-03	1.88e-05	0.0
67	33	-0.03	0.06	-0.49	-3.36e-03	-1.74e-04	0.0
67	34	5.46e-03	-0.06	-0.14	2.27e-03	-1.16e-05	0.0
67	35	-6.30e-03	0.06	-0.43	-2.67e-03	-1.43e-04	0.0
67	36	0.03	-0.06	-0.11	2.58e-03	1.87e-05	0.0
67	37	-0.03	0.06	-0.47	-3.16e-03	-1.74e-04	0.0
67	38	6.08e-03	-0.06	-0.15	2.09e-03	-1.21e-05	0.0
67	39	-6.38e-03	0.06	-0.43	-2.65e-03	-1.43e-04	0.0
67	40	0.03	-0.06	-0.11	2.60e-03	1.85e-05	0.0
67	41	-0.03	0.06	-0.47	-3.17e-03	-1.74e-04	0.0
67	42	6.16e-03	-0.06	-0.16	2.08e-03	-1.19e-05	0.0
67	43	0.03	0.02	-0.28	-3.11e-04	-5.68e-05	0.0
67	44	0.04	-5.98e-03	-0.20	1.03e-03	-1.82e-05	0.0
67	45	-0.04	6.17e-03	-0.39	-1.60e-03	-1.37e-04	0.0
67	46	-0.03	-0.02	-0.31	-2.62e-04	-9.85e-05	0.0
67	47	0.03	0.02	-0.28	-2.65e-04	-5.67e-05	0.0
67	48	0.04	-6.11e-03	-0.20	9.83e-04	-1.83e-05	0.0
67	49	-0.04	6.30e-03	-0.38	-1.56e-03	-1.37e-04	0.0
67	50	-0.03	-0.02	-0.31	-3.07e-04	-9.86e-05	0.0
67	51	0.03	0.02	-0.28	-2.76e-04	-5.73e-05	0.0
67	52	0.04	-6.10e-03	-0.19	1.06e-03	-1.87e-05	0.0
67	53	-0.04	6.29e-03	-0.39	-1.64e-03	-1.37e-04	0.0
67	54	-0.03	-0.02	-0.31	-2.97e-04	-9.80e-05	0.0
67	55	0.03	0.02	-0.27	-2.30e-04	-5.72e-05	0.0
67	56	0.04	-6.23e-03	-0.20	1.02e-03	-1.88e-05	0.0
67	57	-0.04	6.42e-03	-0.39	-1.59e-03	-1.37e-04	0.0
67	58	-0.03	-0.02	-0.31	-3.42e-04	-9.81e-05	0.0
67	59	-4.41e-03	0.05	-0.41	-2.33e-03	-1.30e-04	0.0
67	60	0.02	-0.05	-0.14	2.14e-03	-1.30e-06	0.0
67	61	-0.02	0.05	-0.44	-2.71e-03	-1.54e-04	0.0
67	62	4.20e-03	-0.05	-0.17	1.75e-03	-2.54e-05	0.0
67	63	-4.49e-03	0.05	-0.41	-2.31e-03	-1.30e-04	0.0
67	64	0.02	-0.05	-0.14	2.15e-03	-1.45e-06	0.0
67	65	-0.02	0.05	-0.45	-2.72e-03	-1.54e-04	0.0
67	66	4.28e-03	-0.05	-0.18	1.74e-03	-2.53e-05	0.0
67	67	-4.97e-03	0.05	-0.40	-2.17e-03	-1.30e-04	0.0
67	68	0.02	-0.05	-0.15	1.99e-03	-1.58e-06	0.0
67	69	-0.02	0.05	-0.43	-2.56e-03	-1.54e-04	0.0
67	70	4.76e-03	-0.05	-0.18	1.60e-03	-2.57e-05	0.0
67	71	-5.05e-03	0.05	-0.40	-2.16e-03	-1.30e-04	0.0
67	72	0.02	-0.05	-0.15	2.00e-03	-1.72e-06	0.0
67	73	-0.02	0.05	-0.44	-2.57e-03	-1.54e-04	0.0
67	74	4.84e-03	-0.05	-0.19	1.59e-03	-2.55e-05	0.0
67	75	0.02	0.02	-0.28	-3.06e-04	-6.04e-05	0.0
67	76	0.03	-4.91e-03	-0.22	8.01e-04	-2.85e-05	0.0
67	77	-0.03	5.11e-03	-0.37	-1.37e-03	-1.27e-04	0.0
67	78	-0.02	-0.02	-0.30	-2.67e-04	-9.49e-05	0.0

67	79	0.02	0.02	-0.28	-2.68e-04	-6.03e-05	0.0
67	80	0.03	-5.02e-03	-0.22	7.64e-04	-2.85e-05	0.0
67	81	-0.03	5.21e-03	-0.37	-1.34e-03	-1.27e-04	0.0
67	82	-0.02	-0.02	-0.31	-3.04e-04	-9.50e-05	0.0
67	83	0.02	0.02	-0.28	-2.77e-04	-6.08e-05	0.0
67	84	0.03	-5.01e-03	-0.21	8.30e-04	-2.89e-05	0.0
67	85	-0.03	5.20e-03	-0.37	-1.40e-03	-1.26e-04	0.0
67	86	-0.02	-0.02	-0.31	-2.95e-04	-9.45e-05	0.0
67	87	0.02	0.02	-0.28	-2.39e-04	-6.07e-05	0.0
67	88	0.03	-5.12e-03	-0.21	7.92e-04	-2.90e-05	0.0
67	89	-0.03	5.31e-03	-0.37	-1.36e-03	-1.26e-04	0.0
67	90	-0.02	-0.02	-0.31	-3.33e-04	-9.46e-05	0.0
67	91	-3.66e-03	0.04	-0.39	-1.97e-03	-1.21e-04	0.0
67	92	0.02	-0.04	-0.17	1.72e-03	-1.45e-05	0.0
67	93	-0.02	0.04	-0.42	-2.29e-03	-1.41e-04	0.0
67	94	3.45e-03	-0.04	-0.19	1.40e-03	-3.45e-05	0.0
67	95	-3.73e-03	0.04	-0.39	-1.96e-03	-1.21e-04	0.0
67	96	0.02	-0.04	-0.17	1.73e-03	-1.47e-05	0.0
67	97	-0.02	0.04	-0.42	-2.30e-03	-1.41e-04	0.0
67	98	3.52e-03	-0.04	-0.20	1.39e-03	-3.44e-05	0.0
67	99	-4.13e-03	0.04	-0.38	-1.85e-03	-1.21e-04	0.0
67	100	0.02	-0.04	-0.18	1.59e-03	-1.48e-05	0.0
67	101	-0.02	0.04	-0.41	-2.17e-03	-1.41e-04	0.0
67	102	3.91e-03	-0.04	-0.20	1.27e-03	-3.47e-05	0.0
67	103	-4.20e-03	0.04	-0.38	-1.84e-03	-1.21e-04	0.0
67	104	0.02	-0.04	-0.17	1.60e-03	-1.49e-05	0.0
67	105	-0.02	0.04	-0.41	-2.17e-03	-1.40e-04	0.0
67	106	3.98e-03	-0.04	-0.20	1.26e-03	-3.46e-05	0.0
68	1	-1.46e-04	4.25e-04	-0.28	-1.43e-04	-6.12e-05	0.0
68	2	-1.85e-04	-1.17e-04	-0.45	-5.90e-04	-1.31e-04	0.0
68	3	-1.11e-04	3.37e-04	-0.22	-1.02e-04	-4.57e-05	0.0
68	4	-1.51e-04	-2.05e-04	-0.38	-5.49e-04	-1.16e-04	0.0
68	5	-1.12e-04	3.31e-04	-0.22	-1.06e-04	-4.65e-05	0.0
68	6	-1.38e-04	-3.01e-05	-0.33	-4.04e-04	-9.31e-05	0.0
68	7	-1.12e-04	3.31e-04	-0.22	-1.06e-04	-4.65e-05	0.0
68	8	-1.30e-04	7.83e-05	-0.29	-3.15e-04	-7.91e-05	0.0
68	9	-1.12e-04	3.31e-04	-0.22	-1.06e-04	-4.65e-05	0.0
68	10	-1.28e-04	1.14e-04	-0.28	-2.85e-04	-7.44e-05	0.0
68	11	0.03	0.03	-0.25	-3.14e-04	-4.82e-05	0.0
68	12	0.05	-9.88e-03	-0.23	1.38e-03	-1.95e-06	0.0
68	13	-0.05	0.01	-0.33	-1.95e-03	-1.47e-04	0.0
68	14	-0.03	-0.03	-0.31	-2.56e-04	-1.01e-04	0.0
68	15	0.03	0.03	-0.25	-2.57e-04	-4.85e-05	0.0
68	16	0.05	-0.01	-0.23	1.32e-03	-1.73e-06	0.0
68	17	-0.05	0.01	-0.33	-1.89e-03	-1.47e-04	0.0
68	18	-0.03	-0.03	-0.31	-3.14e-04	-1.00e-04	0.0
68	19	0.03	0.03	-0.25	-2.69e-04	-4.96e-05	0.0
68	20	0.04	-0.01	-0.23	1.42e-03	-3.32e-06	0.0
68	21	-0.04	0.01	-0.33	-1.99e-03	-1.46e-04	0.0
68	22	-0.03	-0.03	-0.31	-3.01e-04	-9.93e-05	0.0
68	23	0.03	0.03	-0.25	-2.12e-04	-4.98e-05	0.0
68	24	0.04	-0.01	-0.23	1.36e-03	-3.10e-06	0.0
68	25	-0.05	0.01	-0.33	-1.93e-03	-1.46e-04	0.0
68	26	-0.03	-0.03	-0.31	-3.58e-04	-9.91e-05	0.0
68	27	-6.40e-03	0.06	-0.30	-2.86e-03	-1.37e-04	0.0
68	28	0.03	-0.06	-0.24	2.78e-03	1.75e-05	0.0
68	29	-0.03	0.06	-0.33	-3.35e-03	-1.66e-04	0.0
68	30	6.14e-03	-0.06	-0.26	2.29e-03	-1.21e-05	0.0
68	31	-6.53e-03	0.06	-0.30	-2.84e-03	-1.37e-04	0.0
68	32	0.03	-0.06	-0.24	2.79e-03	1.71e-05	0.0
68	33	-0.03	0.06	-0.33	-3.36e-03	-1.66e-04	0.0
68	34	6.28e-03	-0.06	-0.26	2.27e-03	-1.17e-05	0.0
68	35	-7.24e-03	0.07	-0.30	-2.67e-03	-1.38e-04	0.0
68	36	0.03	-0.06	-0.24	2.59e-03	1.82e-05	0.0
68	37	-0.03	0.06	-0.33	-3.16e-03	-1.67e-04	0.0
68	38	6.99e-03	-0.07	-0.26	2.10e-03	-1.14e-05	0.0
68	39	-7.38e-03	0.07	-0.30	-2.65e-03	-1.38e-04	0.0
68	40	0.03	-0.06	-0.24	2.60e-03	1.78e-05	0.0
68	41	-0.03	0.06	-0.33	-3.17e-03	-1.67e-04	0.0
68	42	7.12e-03	-0.07	-0.26	2.08e-03	-1.10e-05	0.0
68	43	0.03	0.02	-0.26	-3.11e-04	-5.42e-05	0.0
68	44	0.04	-7.90e-03	-0.24	1.03e-03	-1.75e-05	0.0

68	45	-0.04	8.13e-03	-0.32	-1.60e-03	-1.31e-04	0.0
68	46	-0.03	-0.02	-0.31	-2.60e-04	-9.47e-05	0.0
68	47	0.03	0.02	-0.26	-2.65e-04	-5.43e-05	0.0
68	48	0.04	-8.17e-03	-0.24	9.84e-04	-1.74e-05	0.0
68	49	-0.04	8.40e-03	-0.32	-1.55e-03	-1.32e-04	0.0
68	50	-0.03	-0.02	-0.31	-3.05e-04	-9.46e-05	0.0
68	51	0.03	0.02	-0.26	-2.76e-04	-5.52e-05	0.0
68	52	0.04	-8.18e-03	-0.24	1.06e-03	-1.86e-05	0.0
68	53	-0.04	8.41e-03	-0.32	-1.63e-03	-1.30e-04	0.0
68	54	-0.03	-0.02	-0.31	-2.95e-04	-9.37e-05	0.0
68	55	0.03	0.02	-0.26	-2.30e-04	-5.54e-05	0.0
68	56	0.04	-8.44e-03	-0.24	1.02e-03	-1.84e-05	0.0
68	57	-0.04	8.67e-03	-0.32	-1.59e-03	-1.31e-04	0.0
68	58	-0.03	-0.02	-0.31	-3.40e-04	-9.35e-05	0.0
68	59	-5.04e-03	0.05	-0.30	-2.33e-03	-1.24e-04	0.0
68	60	0.02	-0.05	-0.25	2.14e-03	-1.83e-06	0.0
68	61	-0.02	0.05	-0.32	-2.71e-03	-1.47e-04	0.0
68	62	4.79e-03	-0.05	-0.26	1.75e-03	-2.50e-05	0.0
68	63	-5.17e-03	0.05	-0.30	-2.31e-03	-1.24e-04	0.0
68	64	0.02	-0.05	-0.25	2.15e-03	-2.13e-06	0.0
68	65	-0.02	0.05	-0.32	-2.72e-03	-1.47e-04	0.0
68	66	4.92e-03	-0.05	-0.27	1.74e-03	-2.47e-05	0.0
68	67	-5.72e-03	0.05	-0.30	-2.17e-03	-1.24e-04	0.0
68	68	0.02	-0.05	-0.25	1.99e-03	-1.27e-06	0.0
68	69	-0.02	0.05	-0.32	-2.56e-03	-1.48e-04	0.0
68	70	5.46e-03	-0.05	-0.27	1.60e-03	-2.44e-05	0.0
68	71	-5.85e-03	0.05	-0.30	-2.16e-03	-1.25e-04	0.0
68	72	0.02	-0.05	-0.25	2.00e-03	-1.58e-06	0.0
68	73	-0.02	0.05	-0.32	-2.57e-03	-1.47e-04	0.0
68	74	5.59e-03	-0.05	-0.27	1.59e-03	-2.41e-05	0.0
68	75	0.02	0.02	-0.26	-3.06e-04	-5.76e-05	0.0
68	76	0.03	-6.50e-03	-0.25	8.02e-04	-2.74e-05	0.0
68	77	-0.03	6.72e-03	-0.32	-1.37e-03	-1.22e-04	0.0
68	78	-0.02	-0.02	-0.30	-2.65e-04	-9.12e-05	0.0
68	79	0.02	0.02	-0.26	-2.68e-04	-5.78e-05	0.0
68	80	0.03	-6.72e-03	-0.25	7.64e-04	-2.72e-05	0.0
68	81	-0.03	6.95e-03	-0.31	-1.33e-03	-1.22e-04	0.0
68	82	-0.02	-0.02	-0.30	-3.02e-04	-9.11e-05	0.0
68	83	0.02	0.02	-0.26	-2.77e-04	-5.85e-05	0.0
68	84	0.03	-6.72e-03	-0.25	8.31e-04	-2.82e-05	0.0
68	85	-0.03	6.95e-03	-0.32	-1.40e-03	-1.21e-04	0.0
68	86	-0.02	-0.02	-0.30	-2.94e-04	-9.04e-05	0.0
68	87	0.02	0.02	-0.26	-2.39e-04	-5.86e-05	0.0
68	88	0.03	-6.95e-03	-0.25	7.93e-04	-2.81e-05	0.0
68	89	-0.03	7.17e-03	-0.32	-1.36e-03	-1.21e-04	0.0
68	90	-0.02	-0.02	-0.30	-3.31e-04	-9.03e-05	0.0
68	91	-4.19e-03	0.04	-0.30	-1.97e-03	-1.15e-04	0.0
68	92	0.02	-0.04	-0.25	1.72e-03	-1.44e-05	0.0
68	93	-0.02	0.04	-0.31	-2.29e-03	-1.34e-04	0.0
68	94	3.93e-03	-0.04	-0.27	1.40e-03	-3.36e-05	0.0
68	95	-4.30e-03	0.04	-0.30	-1.96e-03	-1.16e-04	0.0
68	96	0.02	-0.04	-0.25	1.73e-03	-1.47e-05	0.0
68	97	-0.02	0.04	-0.31	-2.30e-03	-1.34e-04	0.0
68	98	4.04e-03	-0.04	-0.27	1.39e-03	-3.33e-05	0.0
68	99	-4.75e-03	0.04	-0.30	-1.85e-03	-1.16e-04	0.0
68	100	0.02	-0.04	-0.25	1.60e-03	-1.40e-05	0.0
68	101	-0.02	0.04	-0.31	-2.17e-03	-1.35e-04	0.0
68	102	4.49e-03	-0.04	-0.27	1.28e-03	-3.31e-05	0.0
68	103	-4.85e-03	0.04	-0.30	-1.84e-03	-1.16e-04	0.0
68	104	0.02	-0.04	-0.25	1.60e-03	-1.42e-05	0.0
68	105	-0.02	0.04	-0.31	-2.17e-03	-1.35e-04	0.0
68	106	4.60e-03	-0.04	-0.27	1.27e-03	-3.29e-05	0.0
69	1	-1.45e-04	4.66e-04	-0.28	-1.43e-04	-6.27e-05	0.0
69	2	-1.80e-04	-2.01e-04	-0.44	-5.90e-04	-1.35e-04	0.0
69	3	-1.11e-04	3.71e-04	-0.21	-1.01e-04	-4.69e-05	0.0
69	4	-1.46e-04	-2.96e-04	-0.37	-5.49e-04	-1.19e-04	0.0
69	5	-1.11e-04	3.64e-04	-0.22	-1.06e-04	-4.77e-05	0.0
69	6	-1.34e-04	-8.09e-05	-0.32	-4.04e-04	-9.58e-05	0.0
69	7	-1.11e-04	3.64e-04	-0.22	-1.06e-04	-4.77e-05	0.0
69	8	-1.27e-04	5.25e-05	-0.29	-3.15e-04	-8.14e-05	0.0
69	9	-1.11e-04	3.64e-04	-0.22	-1.06e-04	-4.77e-05	0.0
69	10	-1.25e-04	9.69e-05	-0.28	-2.85e-04	-7.66e-05	0.0

69	11	0.03	0.03	-0.25	-3.14e-04	-4.94e-05	0.0
69	12	0.05	-7.45e-03	-0.23	1.38e-03	-2.57e-06	0.0
69	13	-0.05	7.64e-03	-0.33	-1.95e-03	-1.51e-04	0.0
69	14	-0.03	-0.03	-0.31	-2.56e-04	-1.04e-04	0.0
69	15	0.03	0.03	-0.25	-2.57e-04	-4.96e-05	0.0
69	16	0.05	-7.61e-03	-0.23	1.32e-03	-2.41e-06	0.0
69	17	-0.05	7.81e-03	-0.33	-1.89e-03	-1.51e-04	0.0
69	18	-0.03	-0.03	-0.31	-3.13e-04	-1.04e-04	0.0
69	19	0.03	0.03	-0.25	-2.69e-04	-5.07e-05	0.0
69	20	0.04	-7.57e-03	-0.23	1.42e-03	-3.83e-06	0.0
69	21	-0.04	7.76e-03	-0.33	-1.99e-03	-1.49e-04	0.0
69	22	-0.03	-0.03	-0.31	-3.01e-04	-1.02e-04	0.0
69	23	0.03	0.03	-0.25	-2.12e-04	-5.09e-05	0.0
69	24	0.04	-7.73e-03	-0.23	1.36e-03	-3.67e-06	0.0
69	25	-0.05	7.93e-03	-0.33	-1.93e-03	-1.49e-04	0.0
69	26	-0.03	-0.03	-0.31	-3.58e-04	-1.02e-04	0.0
69	27	-6.39e-03	0.06	-0.30	-2.86e-03	-1.40e-04	0.0
69	28	0.03	-0.06	-0.24	2.78e-03	1.67e-05	0.0
69	29	-0.03	0.06	-0.32	-3.35e-03	-1.70e-04	0.0
69	30	6.14e-03	-0.06	-0.26	2.29e-03	-1.36e-05	0.0
69	31	-6.53e-03	0.06	-0.30	-2.84e-03	-1.40e-04	0.0
69	32	0.03	-0.06	-0.24	2.79e-03	1.64e-05	0.0
69	33	-0.03	0.06	-0.32	-3.36e-03	-1.69e-04	0.0
69	34	6.28e-03	-0.06	-0.26	2.27e-03	-1.32e-05	0.0
69	35	-7.24e-03	0.06	-0.30	-2.67e-03	-1.40e-04	0.0
69	36	0.03	-0.06	-0.24	2.59e-03	1.73e-05	0.0
69	37	-0.03	0.06	-0.32	-3.16e-03	-1.70e-04	0.0
69	38	6.99e-03	-0.06	-0.26	2.10e-03	-1.31e-05	0.0
69	39	-7.37e-03	0.06	-0.30	-2.65e-03	-1.40e-04	0.0
69	40	0.03	-0.06	-0.24	2.60e-03	1.69e-05	0.0
69	41	-0.03	0.06	-0.32	-3.17e-03	-1.70e-04	0.0
69	42	7.12e-03	-0.06	-0.26	2.08e-03	-1.27e-05	0.0
69	43	0.03	0.02	-0.26	-3.11e-04	-5.56e-05	0.0
69	44	0.04	-5.98e-03	-0.24	1.03e-03	-1.85e-05	0.0
69	45	-0.04	6.17e-03	-0.32	-1.60e-03	-1.35e-04	0.0
69	46	-0.03	-0.02	-0.30	-2.60e-04	-9.76e-05	0.0
69	47	0.03	0.02	-0.26	-2.65e-04	-5.57e-05	0.0
69	48	0.04	-6.11e-03	-0.24	9.83e-04	-1.83e-05	0.0
69	49	-0.04	6.30e-03	-0.32	-1.55e-03	-1.35e-04	0.0
69	50	-0.03	-0.02	-0.30	-3.05e-04	-9.75e-05	0.0
69	51	0.03	0.02	-0.25	-2.75e-04	-5.65e-05	0.0
69	52	0.04	-6.10e-03	-0.24	1.06e-03	-1.94e-05	0.0
69	53	-0.04	6.29e-03	-0.32	-1.63e-03	-1.34e-04	0.0
69	54	-0.03	-0.02	-0.30	-2.95e-04	-9.66e-05	0.0
69	55	0.03	0.02	-0.25	-2.30e-04	-5.66e-05	0.0
69	56	0.04	-6.23e-03	-0.24	1.02e-03	-1.93e-05	0.0
69	57	-0.04	6.42e-03	-0.32	-1.59e-03	-1.34e-04	0.0
69	58	-0.03	-0.02	-0.30	-3.40e-04	-9.65e-05	0.0
69	59	-5.04e-03	0.05	-0.29	-2.32e-03	-1.27e-04	0.0
69	60	0.02	-0.05	-0.25	2.14e-03	-2.88e-06	0.0
69	61	-0.02	0.05	-0.31	-2.71e-03	-1.50e-04	0.0
69	62	4.79e-03	-0.05	-0.26	1.75e-03	-2.66e-05	0.0
69	63	-5.17e-03	0.05	-0.29	-2.31e-03	-1.27e-04	0.0
69	64	0.02	-0.05	-0.25	2.15e-03	-3.16e-06	0.0
69	65	-0.02	0.05	-0.31	-2.72e-03	-1.50e-04	0.0
69	66	4.92e-03	-0.05	-0.26	1.74e-03	-2.63e-05	0.0
69	67	-5.71e-03	0.05	-0.29	-2.17e-03	-1.27e-04	0.0
69	68	0.02	-0.05	-0.25	1.99e-03	-2.48e-06	0.0
69	69	-0.02	0.05	-0.31	-2.56e-03	-1.51e-04	0.0
69	70	5.46e-03	-0.05	-0.26	1.60e-03	-2.62e-05	0.0
69	71	-5.84e-03	0.05	-0.29	-2.16e-03	-1.27e-04	0.0
69	72	0.02	-0.05	-0.25	2.00e-03	-2.76e-06	0.0
69	73	-0.02	0.05	-0.31	-2.57e-03	-1.50e-04	0.0
69	74	5.59e-03	-0.05	-0.26	1.59e-03	-2.59e-05	0.0
69	75	0.02	0.02	-0.26	-3.05e-04	-5.92e-05	0.0
69	76	0.03	-4.91e-03	-0.25	8.02e-04	-2.85e-05	0.0
69	77	-0.03	5.11e-03	-0.31	-1.37e-03	-1.25e-04	0.0
69	78	-0.02	-0.02	-0.30	-2.65e-04	-9.40e-05	0.0
69	79	0.02	0.02	-0.26	-2.68e-04	-5.93e-05	0.0
69	80	0.03	-5.02e-03	-0.25	7.64e-04	-2.84e-05	0.0
69	81	-0.03	5.21e-03	-0.31	-1.33e-03	-1.25e-04	0.0
69	82	-0.02	-0.02	-0.30	-3.02e-04	-9.39e-05	0.0

69	83	0.02	0.02	-0.26	-2.77e-04	-5.99e-05	0.0
69	84	0.03	-5.01e-03	-0.25	8.30e-04	-2.93e-05	0.0
69	85	-0.03	5.20e-03	-0.31	-1.40e-03	-1.24e-04	0.0
69	86	-0.02	-0.02	-0.30	-2.94e-04	-9.32e-05	0.0
69	87	0.02	0.02	-0.26	-2.39e-04	-6.00e-05	0.0
69	88	0.03	-5.12e-03	-0.25	7.93e-04	-2.92e-05	0.0
69	89	-0.03	5.31e-03	-0.31	-1.36e-03	-1.24e-04	0.0
69	90	-0.02	-0.02	-0.30	-3.31e-04	-9.31e-05	0.0
69	91	-4.18e-03	0.04	-0.29	-1.97e-03	-1.18e-04	0.0
69	92	0.02	-0.04	-0.25	1.72e-03	-1.57e-05	0.0
69	93	-0.02	0.04	-0.31	-2.29e-03	-1.37e-04	0.0
69	94	3.93e-03	-0.04	-0.27	1.40e-03	-3.53e-05	0.0
69	95	-4.29e-03	0.04	-0.29	-1.96e-03	-1.18e-04	0.0
69	96	0.02	-0.04	-0.25	1.73e-03	-1.59e-05	0.0
69	97	-0.02	0.04	-0.31	-2.30e-03	-1.37e-04	0.0
69	98	4.04e-03	-0.04	-0.27	1.39e-03	-3.51e-05	0.0
69	99	-4.74e-03	0.04	-0.29	-1.84e-03	-1.18e-04	0.0
69	100	0.02	-0.04	-0.25	1.59e-03	-1.53e-05	0.0
69	101	-0.02	0.04	-0.30	-2.16e-03	-1.38e-04	0.0
69	102	4.49e-03	-0.04	-0.27	1.27e-03	-3.50e-05	0.0
69	103	-4.85e-03	0.04	-0.29	-1.84e-03	-1.18e-04	0.0
69	104	0.02	-0.04	-0.25	1.60e-03	-1.56e-05	0.0
69	105	-0.02	0.04	-0.30	-2.17e-03	-1.38e-04	0.0
69	106	4.60e-03	-0.04	-0.27	1.27e-03	-3.47e-05	0.0
74	1	-1.06e-04	5.10e-04	-0.27	-1.01e-04	2.45e-05	0.0
74	2	1.20e-04	-1.15e-04	-0.45	-4.70e-04	4.85e-05	0.0
74	3	-8.60e-05	4.04e-04	-0.21	-7.07e-05	1.84e-05	0.0
74	4	1.40e-04	-2.20e-04	-0.38	-4.40e-04	4.24e-05	0.0
74	5	-8.36e-05	3.97e-04	-0.21	-7.46e-05	1.86e-05	0.0
74	6	6.74e-05	-1.90e-05	-0.33	-3.21e-04	3.47e-05	0.0
74	7	-8.36e-05	3.97e-04	-0.21	-7.46e-05	1.86e-05	0.0
74	8	2.21e-05	1.06e-04	-0.29	-2.47e-04	2.99e-05	0.0
74	9	-8.36e-05	3.97e-04	-0.21	-7.46e-05	1.86e-05	0.0
74	10	6.97e-06	1.48e-04	-0.28	-2.22e-04	2.82e-05	0.0
74	11	0.03	0.04	-0.25	-2.20e-04	3.93e-04	0.0
74	12	0.05	7.17e-03	-0.23	8.57e-04	4.83e-04	0.0
74	13	-0.05	-6.87e-03	-0.33	-1.30e-03	-4.27e-04	0.0
74	14	-0.03	-0.04	-0.31	-2.24e-04	-3.37e-04	0.0
74	15	0.03	0.04	-0.25	-2.03e-04	3.86e-04	0.0
74	16	0.05	7.86e-03	-0.23	8.40e-04	4.90e-04	0.0
74	17	-0.05	-7.57e-03	-0.33	-1.28e-03	-4.34e-04	0.0
74	18	-0.03	-0.04	-0.31	-2.42e-04	-3.30e-04	0.0
74	19	0.03	0.04	-0.24	-1.87e-04	4.04e-04	0.0
74	20	0.05	7.47e-03	-0.23	8.91e-04	4.94e-04	0.0
74	21	-0.05	-7.18e-03	-0.33	-1.34e-03	-4.37e-04	0.0
74	22	-0.03	-0.04	-0.31	-2.58e-04	-3.47e-04	0.0
74	23	0.03	0.04	-0.24	-1.69e-04	3.97e-04	0.0
74	24	0.05	8.17e-03	-0.23	8.73e-04	5.01e-04	0.0
74	25	-0.05	-7.87e-03	-0.33	-1.32e-03	-4.44e-04	0.0
74	26	-0.03	-0.04	-0.32	-2.75e-04	-3.40e-04	0.0
74	27	-6.02e-03	0.06	-0.29	-1.86e-03	0.0	0.0
74	28	0.03	-0.04	-0.24	1.74e-03	3.02e-04	0.0
74	29	-0.03	0.04	-0.32	-2.18e-03	-2.45e-04	0.0
74	30	6.04e-03	-0.06	-0.27	1.41e-03	5.56e-05	0.0
74	31	-6.16e-03	0.06	-0.29	-1.85e-03	4.02e-06	0.0
74	32	0.03	-0.04	-0.24	1.75e-03	3.05e-04	0.0
74	33	-0.03	0.04	-0.32	-2.19e-03	-2.48e-04	0.0
74	34	6.18e-03	-0.06	-0.27	1.40e-03	5.25e-05	0.0
74	35	-6.91e-03	0.06	-0.29	-1.80e-03	-2.19e-05	0.0
74	36	0.03	-0.04	-0.24	1.68e-03	3.24e-04	0.0
74	37	-0.03	0.04	-0.32	-2.12e-03	-2.68e-04	0.0
74	38	6.92e-03	-0.06	-0.27	1.35e-03	7.84e-05	0.0
74	39	-7.05e-03	0.06	-0.29	-1.79e-03	-1.88e-05	0.0
74	40	0.03	-0.04	-0.24	1.69e-03	3.28e-04	0.0
74	41	-0.03	0.04	-0.32	-2.13e-03	-2.71e-04	0.0
74	42	7.06e-03	-0.06	-0.27	1.34e-03	7.53e-05	0.0
74	43	0.03	0.03	-0.25	-2.21e-04	3.17e-04	0.0
74	44	0.04	5.62e-03	-0.24	6.33e-04	3.88e-04	0.0
74	45	-0.04	-5.33e-03	-0.32	-1.08e-03	-3.32e-04	0.0
74	46	-0.03	-0.03	-0.31	-2.24e-04	-2.61e-04	0.0
74	47	0.03	0.03	-0.25	-2.07e-04	3.12e-04	0.0
74	48	0.04	6.18e-03	-0.24	6.19e-04	3.94e-04	0.0

74	49	-0.04	-5.88e-03	-0.32	-1.06e-03	-3.37e-04	0.0
74	50	-0.03	-0.03	-0.31	-2.38e-04	-2.55e-04	0.0
74	51	0.03	0.03	-0.25	-1.94e-04	3.25e-04	0.0
74	52	0.04	5.83e-03	-0.24	6.60e-04	3.96e-04	0.0
74	53	-0.04	-5.53e-03	-0.32	-1.10e-03	-3.40e-04	0.0
74	54	-0.03	-0.03	-0.31	-2.50e-04	-2.69e-04	0.0
74	55	0.03	0.03	-0.25	-1.80e-04	3.20e-04	0.0
74	56	0.04	6.38e-03	-0.24	6.46e-04	4.02e-04	0.0
74	57	-0.04	-6.09e-03	-0.32	-1.09e-03	-3.45e-04	0.0
74	58	-0.03	-0.03	-0.31	-2.64e-04	-2.63e-04	0.0
74	59	-4.72e-03	0.05	-0.29	-1.52e-03	6.77e-06	0.0
74	60	0.02	-0.04	-0.25	1.33e-03	2.44e-04	0.0
74	61	-0.02	0.04	-0.31	-1.77e-03	-1.88e-04	0.0
74	62	4.73e-03	-0.05	-0.27	1.07e-03	4.97e-05	0.0
74	63	-4.85e-03	0.05	-0.29	-1.51e-03	9.20e-06	0.0
74	64	0.02	-0.04	-0.25	1.34e-03	2.47e-04	0.0
74	65	-0.02	0.04	-0.31	-1.78e-03	-1.90e-04	0.0
74	66	4.86e-03	-0.05	-0.27	1.07e-03	4.73e-05	0.0
74	67	-5.42e-03	0.04	-0.29	-1.47e-03	-1.13e-05	0.0
74	68	0.02	-0.03	-0.25	1.28e-03	2.62e-04	0.0
74	69	-0.02	0.03	-0.31	-1.73e-03	-2.06e-04	0.0
74	70	5.44e-03	-0.04	-0.27	1.03e-03	6.78e-05	0.0
74	71	-5.56e-03	0.04	-0.29	-1.46e-03	-8.87e-06	0.0
74	72	0.02	-0.03	-0.25	1.29e-03	2.65e-04	0.0
74	73	-0.02	0.03	-0.31	-1.74e-03	-2.08e-04	0.0
74	74	5.57e-03	-0.04	-0.27	1.02e-03	6.54e-05	0.0
74	75	0.02	0.02	-0.26	-2.21e-04	2.67e-04	0.0
74	76	0.03	4.70e-03	-0.25	4.85e-04	3.26e-04	0.0
74	77	-0.03	-4.40e-03	-0.31	-9.30e-04	-2.69e-04	0.0
74	78	-0.02	-0.02	-0.30	-2.23e-04	-2.11e-04	0.0
74	79	0.02	0.02	-0.26	-2.10e-04	2.63e-04	0.0
74	80	0.03	5.15e-03	-0.25	4.73e-04	3.30e-04	0.0
74	81	-0.03	-4.86e-03	-0.31	-9.18e-04	-2.74e-04	0.0
74	82	-0.02	-0.02	-0.30	-2.35e-04	-2.06e-04	0.0
74	83	0.02	0.03	-0.26	-1.99e-04	2.74e-04	0.0
74	84	0.03	4.87e-03	-0.25	5.07e-04	3.33e-04	0.0
74	85	-0.03	-4.57e-03	-0.31	-9.51e-04	-2.76e-04	0.0
74	86	-0.02	-0.02	-0.30	-2.45e-04	-2.17e-04	0.0
74	87	0.02	0.02	-0.26	-1.88e-04	2.69e-04	0.0
74	88	0.03	5.32e-03	-0.25	4.95e-04	3.37e-04	0.0
74	89	-0.03	-5.03e-03	-0.31	-9.40e-04	-2.81e-04	0.0
74	90	-0.02	-0.02	-0.30	-2.57e-04	-2.13e-04	0.0
74	91	-3.90e-03	0.04	-0.29	-1.29e-03	1.05e-05	0.0
74	92	0.02	-0.03	-0.25	1.06e-03	2.07e-04	0.0
74	93	-0.02	0.03	-0.31	-1.51e-03	-1.50e-04	0.0
74	94	3.91e-03	-0.04	-0.27	8.48e-04	4.60e-05	0.0
74	95	-4.01e-03	0.04	-0.29	-1.29e-03	1.25e-05	0.0
74	96	0.02	-0.03	-0.25	1.07e-03	2.09e-04	0.0
74	97	-0.02	0.03	-0.31	-1.51e-03	-1.52e-04	0.0
74	98	4.02e-03	-0.04	-0.27	8.42e-04	4.40e-05	0.0
74	99	-4.48e-03	0.04	-0.29	-1.25e-03	-4.43e-06	0.0
74	100	0.02	-0.03	-0.25	1.02e-03	2.22e-04	0.0
74	101	-0.02	0.03	-0.30	-1.47e-03	-1.65e-04	0.0
74	102	4.49e-03	-0.04	-0.27	8.10e-04	6.09e-05	0.0
74	103	-4.59e-03	0.04	-0.29	-1.25e-03	-2.43e-06	0.0
74	104	0.02	-0.03	-0.25	1.03e-03	2.24e-04	0.0
74	105	-0.02	0.03	-0.30	-1.47e-03	-1.67e-04	0.0
74	106	4.60e-03	-0.04	-0.27	8.03e-04	5.89e-05	0.0
75	1	-5.70e-05	9.33e-05	-0.28	-1.46e-04	2.95e-05	0.0
75	2	-3.52e-04	3.45e-04	-0.40	-4.52e-04	1.73e-04	0.0
75	3	-3.83e-05	6.70e-05	-0.21	-1.07e-04	2.00e-05	0.0
75	4	-3.33e-04	3.18e-04	-0.33	-4.12e-04	1.63e-04	0.0
75	5	-4.15e-05	6.97e-05	-0.21	-1.10e-04	2.15e-05	0.0
75	6	-2.38e-04	2.37e-04	-0.29	-3.14e-04	1.17e-04	0.0
75	7	-4.15e-05	6.97e-05	-0.21	-1.10e-04	2.15e-05	0.0
75	8	-1.79e-04	1.87e-04	-0.27	-2.52e-04	8.83e-05	0.0
75	9	-4.15e-05	6.97e-05	-0.21	-1.10e-04	2.15e-05	0.0
75	10	-1.59e-04	1.70e-04	-0.26	-2.32e-04	7.88e-05	0.0
75	11	0.03	0.01	-0.22	-9.15e-04	3.70e-04	0.0
75	12	0.05	-0.03	-0.33	9.46e-04	2.27e-05	0.0
75	13	-0.05	0.03	-0.19	-1.41e-03	1.35e-04	0.0
75	14	-0.03	-0.01	-0.30	4.51e-04	-2.12e-04	0.0

75	15	0.03	0.01	-0.22	-9.49e-04	3.81e-04	0.0
75	16	0.05	-0.03	-0.34	9.80e-04	1.13e-05	0.0
75	17	-0.05	0.03	-0.19	-1.44e-03	1.46e-04	0.0
75	18	-0.03	-0.01	-0.30	4.85e-04	-2.24e-04	0.0
75	19	0.03	0.02	-0.19	-1.34e-03	3.65e-04	0.0
75	20	0.04	-0.01	-0.30	5.18e-04	1.80e-05	0.0
75	21	-0.04	0.02	-0.22	-9.82e-04	1.40e-04	0.0
75	22	-0.03	-0.02	-0.33	8.79e-04	-2.07e-04	0.0
75	23	0.03	0.03	-0.19	-1.38e-03	3.76e-04	0.0
75	24	0.04	-0.02	-0.30	5.52e-04	6.51e-06	0.0
75	25	-0.05	0.02	-0.22	-1.02e-03	1.51e-04	0.0
75	26	-0.03	-0.03	-0.33	9.13e-04	-2.19e-04	0.0
75	27	-6.78e-03	0.06	-0.08	-3.26e-03	6.92e-04	0.0
75	28	0.03	-0.07	-0.45	2.94e-03	-4.64e-04	0.0
75	29	-0.03	0.07	-0.07	-3.41e-03	6.22e-04	0.0
75	30	6.46e-03	-0.06	-0.44	2.80e-03	-5.35e-04	0.0
75	31	-6.95e-03	0.07	-0.08	-3.39e-03	6.91e-04	0.0
75	32	0.03	-0.06	-0.44	2.82e-03	-4.66e-04	0.0
75	33	-0.03	0.06	-0.08	-3.28e-03	6.23e-04	0.0
75	34	6.64e-03	-0.07	-0.45	2.92e-03	-5.33e-04	0.0
75	35	-7.81e-03	0.07	-0.08	-3.37e-03	7.30e-04	0.0
75	36	0.03	-0.07	-0.46	3.06e-03	-5.02e-04	0.0
75	37	-0.03	0.07	-0.07	-3.52e-03	6.60e-04	0.0
75	38	7.50e-03	-0.07	-0.45	2.91e-03	-5.73e-04	0.0
75	39	-7.99e-03	0.07	-0.07	-3.50e-03	7.29e-04	0.0
75	40	0.03	-0.07	-0.45	2.93e-03	-5.04e-04	0.0
75	41	-0.03	0.07	-0.08	-3.39e-03	6.61e-04	0.0
75	42	7.67e-03	-0.07	-0.45	3.04e-03	-5.71e-04	0.0
75	43	0.03	0.01	-0.23	-7.73e-04	3.09e-04	0.0
75	44	0.04	-0.02	-0.32	7.02e-04	3.43e-05	0.0
75	45	-0.04	0.02	-0.20	-1.17e-03	1.23e-04	0.0
75	46	-0.03	-0.01	-0.29	3.09e-04	-1.52e-04	0.0
75	47	0.03	0.01	-0.23	-8.00e-04	3.18e-04	0.0
75	48	0.04	-0.02	-0.32	7.29e-04	2.52e-05	0.0
75	49	-0.04	0.02	-0.20	-1.19e-03	1.32e-04	0.0
75	50	-0.03	-0.01	-0.29	3.36e-04	-1.61e-04	0.0
75	51	0.03	0.02	-0.21	-1.11e-03	3.05e-04	0.0
75	52	0.03	-0.01	-0.29	3.63e-04	3.05e-05	0.0
75	53	-0.04	0.01	-0.23	-8.27e-04	1.27e-04	0.0
75	54	-0.03	-0.02	-0.32	6.48e-04	-1.48e-04	0.0
75	55	0.03	0.02	-0.21	-1.14e-03	3.15e-04	0.0
75	56	0.04	-0.01	-0.30	3.90e-04	2.14e-05	0.0
75	57	-0.04	0.01	-0.23	-8.54e-04	1.36e-04	0.0
75	58	-0.03	-0.02	-0.32	6.75e-04	-1.57e-04	0.0
75	59	-5.34e-03	0.05	-0.12	-2.63e-03	5.65e-04	0.0
75	60	0.02	-0.05	-0.41	2.29e-03	-3.52e-04	0.0
75	61	-0.02	0.05	-0.11	-2.75e-03	5.09e-04	0.0
75	62	5.03e-03	-0.05	-0.40	2.17e-03	-4.07e-04	0.0
75	63	-5.51e-03	0.05	-0.11	-2.73e-03	5.64e-04	0.0
75	64	0.02	-0.05	-0.40	2.18e-03	-3.53e-04	0.0
75	65	-0.02	0.05	-0.12	-2.65e-03	5.10e-04	0.0
75	66	5.19e-03	-0.05	-0.41	2.27e-03	-4.06e-04	0.0
75	67	-6.17e-03	0.05	-0.12	-2.72e-03	5.95e-04	0.0
75	68	0.02	-0.06	-0.42	2.38e-03	-3.82e-04	0.0
75	69	-0.02	0.06	-0.11	-2.84e-03	5.40e-04	0.0
75	70	5.85e-03	-0.05	-0.41	2.26e-03	-4.38e-04	0.0
75	71	-6.33e-03	0.06	-0.11	-2.82e-03	5.94e-04	0.0
75	72	0.02	-0.05	-0.41	2.27e-03	-3.83e-04	0.0
75	73	-0.02	0.05	-0.12	-2.74e-03	5.41e-04	0.0
75	74	6.01e-03	-0.06	-0.41	2.36e-03	-4.37e-04	0.0
75	75	0.02	9.18e-03	-0.24	-6.79e-04	2.69e-04	0.0
75	76	0.03	-0.02	-0.31	5.39e-04	4.20e-05	0.0
75	77	-0.03	0.02	-0.21	-1.00e-03	1.16e-04	0.0
75	78	-0.02	-8.84e-03	-0.29	2.15e-04	-1.12e-04	0.0
75	79	0.02	9.91e-03	-0.24	-7.02e-04	2.77e-04	0.0
75	80	0.03	-0.02	-0.31	5.62e-04	3.45e-05	0.0
75	81	-0.03	0.02	-0.21	-1.03e-03	1.23e-04	0.0
75	82	-0.02	-9.57e-03	-0.29	2.38e-04	-1.19e-04	0.0
75	83	0.02	0.02	-0.22	-9.60e-04	2.66e-04	0.0
75	84	0.03	-9.63e-03	-0.29	2.59e-04	3.89e-05	0.0
75	85	-0.03	9.97e-03	-0.24	-7.24e-04	1.19e-04	0.0
75	86	-0.02	-0.02	-0.31	4.95e-04	-1.09e-04	0.0

75	87	0.02	0.02	-0.22	-9.82e-04	2.74e-04	0.0
75	88	0.03	-0.01	-0.29	2.82e-04	3.14e-05	0.0
75	89	-0.03	0.01	-0.23	-7.46e-04	1.26e-04	0.0
75	90	-0.02	-0.02	-0.31	5.18e-04	-1.16e-04	0.0
75	91	-4.44e-03	0.04	-0.15	-2.22e-03	4.81e-04	0.0
75	92	0.02	-0.04	-0.38	1.85e-03	-2.77e-04	0.0
75	93	-0.02	0.04	-0.14	-2.31e-03	4.34e-04	0.0
75	94	4.12e-03	-0.04	-0.38	1.75e-03	-3.23e-04	0.0
75	95	-4.58e-03	0.04	-0.14	-2.30e-03	4.80e-04	0.0
75	96	0.02	-0.04	-0.38	1.76e-03	-2.78e-04	0.0
75	97	-0.02	0.04	-0.15	-2.23e-03	4.35e-04	0.0
75	98	4.26e-03	-0.04	-0.38	1.83e-03	-3.22e-04	0.0
75	99	-5.13e-03	0.04	-0.14	-2.29e-03	5.06e-04	0.0
75	100	0.02	-0.05	-0.39	1.92e-03	-3.02e-04	0.0
75	101	-0.02	0.05	-0.13	-2.39e-03	4.60e-04	0.0
75	102	4.81e-03	-0.04	-0.38	1.83e-03	-3.48e-04	0.0
75	103	-5.26e-03	0.05	-0.14	-2.37e-03	5.05e-04	0.0
75	104	0.02	-0.04	-0.38	1.84e-03	-3.03e-04	0.0
75	105	-0.02	0.04	-0.14	-2.30e-03	4.60e-04	0.0
75	106	4.94e-03	-0.05	-0.39	1.91e-03	-3.47e-04	0.0
79	1	-1.03e-04	3.83e-04	-0.28	-1.42e-04	-6.01e-05	0.0
79	2	-2.78e-04	-3.05e-05	-0.42	-5.89e-04	-1.28e-04	0.0
79	3	-7.59e-05	3.02e-04	-0.21	-1.01e-04	-4.49e-05	0.0
79	4	-2.51e-04	-1.11e-04	-0.36	-5.47e-04	-1.13e-04	0.0
79	5	-7.78e-05	2.98e-04	-0.21	-1.06e-04	-4.56e-05	0.0
79	6	-1.95e-04	2.23e-05	-0.31	-4.03e-04	-9.13e-05	0.0
79	7	-7.78e-05	2.98e-04	-0.21	-1.06e-04	-4.56e-05	0.0
79	8	-1.60e-04	1.05e-04	-0.28	-3.14e-04	-7.76e-05	0.0
79	9	-7.78e-05	2.98e-04	-0.21	-1.06e-04	-4.56e-05	0.0
79	10	-1.48e-04	1.33e-04	-0.27	-2.84e-04	-7.30e-05	0.0
79	11	0.03	0.03	-0.19	-3.14e-04	-4.58e-05	0.0
79	12	0.04	-0.01	-0.26	1.38e-03	0.0	0.0
79	13	-0.05	0.01	-0.28	-1.94e-03	-1.47e-04	0.0
79	14	-0.03	-0.03	-0.35	-2.55e-04	-1.00e-04	0.0
79	15	0.03	0.03	-0.20	-2.57e-04	-4.58e-05	0.0
79	16	0.05	-0.01	-0.26	1.32e-03	0.0	0.0
79	17	-0.05	0.01	-0.28	-1.89e-03	-1.47e-04	0.0
79	18	-0.03	-0.03	-0.35	-3.12e-04	-1.00e-04	0.0
79	19	0.03	0.03	-0.20	-2.69e-04	-4.68e-05	0.0
79	20	0.04	-0.01	-0.26	1.42e-03	0.0	0.0
79	21	-0.04	0.01	-0.28	-1.99e-03	-1.45e-04	0.0
79	22	-0.03	-0.02	-0.35	-2.99e-04	-9.92e-05	0.0
79	23	0.03	0.03	-0.20	-2.12e-04	-4.69e-05	0.0
79	24	0.04	-0.01	-0.26	1.36e-03	0.0	0.0
79	25	-0.04	0.01	-0.28	-1.93e-03	-1.46e-04	0.0
79	26	-0.03	-0.03	-0.34	-3.57e-04	-9.91e-05	0.0
79	27	-7.23e-03	0.07	-0.15	-2.86e-03	-1.35e-04	0.0
79	28	0.03	-0.06	-0.37	2.78e-03	1.92e-05	0.0
79	29	-0.03	0.06	-0.17	-3.35e-03	-1.65e-04	0.0
79	30	6.94e-03	-0.06	-0.40	2.29e-03	-1.10e-05	0.0
79	31	-7.42e-03	0.07	-0.15	-2.84e-03	-1.35e-04	0.0
79	32	0.03	-0.06	-0.37	2.79e-03	1.89e-05	0.0
79	33	-0.03	0.06	-0.17	-3.36e-03	-1.65e-04	0.0
79	34	7.13e-03	-0.06	-0.40	2.27e-03	-1.07e-05	0.0
79	35	-8.30e-03	0.07	-0.15	-2.66e-03	-1.35e-04	0.0
79	36	0.03	-0.06	-0.36	2.59e-03	1.94e-05	0.0
79	37	-0.03	0.06	-0.18	-3.15e-03	-1.65e-04	0.0
79	38	8.01e-03	-0.07	-0.39	2.10e-03	-1.08e-05	0.0
79	39	-8.49e-03	0.07	-0.15	-2.65e-03	-1.36e-04	0.0
79	40	0.03	-0.06	-0.36	2.60e-03	1.91e-05	0.0
79	41	-0.03	0.06	-0.18	-3.17e-03	-1.65e-04	0.0
79	42	8.20e-03	-0.07	-0.39	2.08e-03	-1.05e-05	0.0
79	43	0.03	0.02	-0.21	-3.10e-04	-5.19e-05	0.0
79	44	0.04	-9.62e-03	-0.26	1.03e-03	-1.53e-05	0.0
79	45	-0.04	9.89e-03	-0.28	-1.60e-03	-1.31e-04	0.0
79	46	-0.03	-0.02	-0.33	-2.58e-04	-9.41e-05	0.0
79	47	0.03	0.02	-0.21	-2.65e-04	-5.20e-05	0.0
79	48	0.04	-0.01	-0.26	9.83e-04	-1.53e-05	0.0
79	49	-0.04	0.01	-0.28	-1.55e-03	-1.31e-04	0.0
79	50	-0.03	-0.02	-0.33	-3.04e-04	-9.41e-05	0.0
79	51	0.03	0.02	-0.21	-2.75e-04	-5.27e-05	0.0
79	52	0.03	-0.01	-0.27	1.06e-03	-1.61e-05	0.0

79	53	-0.03	0.01	-0.28	-1.63e-03	-1.30e-04	0.0
79	54	-0.03	-0.02	-0.33	-2.93e-04	-9.33e-05	0.0
79	55	0.03	0.02	-0.22	-2.30e-04	-5.27e-05	0.0
79	56	0.03	-0.01	-0.26	1.02e-03	-1.60e-05	0.0
79	57	-0.04	0.01	-0.28	-1.59e-03	-1.30e-04	0.0
79	58	-0.03	-0.02	-0.33	-3.39e-04	-9.33e-05	0.0
79	59	-5.70e-03	0.05	-0.17	-2.32e-03	-1.22e-04	0.0
79	60	0.02	-0.05	-0.35	2.14e-03	0.0	0.0
79	61	-0.02	0.05	-0.19	-2.71e-03	-1.46e-04	0.0
79	62	5.40e-03	-0.05	-0.37	1.75e-03	-2.38e-05	0.0
79	63	-5.87e-03	0.05	-0.17	-2.31e-03	-1.22e-04	0.0
79	64	0.02	-0.05	-0.35	2.15e-03	0.0	0.0
79	65	-0.02	0.05	-0.19	-2.72e-03	-1.46e-04	0.0
79	66	5.58e-03	-0.05	-0.37	1.74e-03	-2.36e-05	0.0
79	67	-6.55e-03	0.05	-0.18	-2.17e-03	-1.22e-04	0.0
79	68	0.02	-0.05	-0.34	1.99e-03	0.0	0.0
79	69	-0.03	0.05	-0.20	-2.56e-03	-1.46e-04	0.0
79	70	6.26e-03	-0.05	-0.36	1.60e-03	-2.37e-05	0.0
79	71	-6.73e-03	0.05	-0.18	-2.16e-03	-1.23e-04	0.0
79	72	0.02	-0.05	-0.34	2.00e-03	0.0	0.0
79	73	-0.02	0.05	-0.20	-2.57e-03	-1.46e-04	0.0
79	74	6.43e-03	-0.05	-0.36	1.59e-03	-2.34e-05	0.0
79	75	0.02	0.02	-0.22	-3.05e-04	-5.55e-05	0.0
79	76	0.03	-7.92e-03	-0.26	8.02e-04	-2.53e-05	0.0
79	77	-0.03	8.19e-03	-0.28	-1.37e-03	-1.21e-04	0.0
79	78	-0.02	-0.02	-0.32	-2.64e-04	-9.05e-05	0.0
79	79	0.02	0.02	-0.22	-2.67e-04	-5.56e-05	0.0
79	80	0.03	-8.26e-03	-0.26	7.64e-04	-2.52e-05	0.0
79	81	-0.03	8.52e-03	-0.28	-1.33e-03	-1.21e-04	0.0
79	82	-0.02	-0.02	-0.32	-3.01e-04	-9.04e-05	0.0
79	83	0.02	0.02	-0.22	-2.76e-04	-5.62e-05	0.0
79	84	0.03	-8.34e-03	-0.27	8.30e-04	-2.59e-05	0.0
79	85	-0.03	8.60e-03	-0.28	-1.40e-03	-1.20e-04	0.0
79	86	-0.02	-0.02	-0.32	-2.92e-04	-8.98e-05	0.0
79	87	0.02	0.02	-0.22	-2.39e-04	-5.62e-05	0.0
79	88	0.03	-8.68e-03	-0.27	7.93e-04	-2.59e-05	0.0
79	89	-0.03	8.94e-03	-0.28	-1.36e-03	-1.20e-04	0.0
79	90	-0.02	-0.02	-0.32	-3.30e-04	-8.98e-05	0.0
79	91	-4.73e-03	0.04	-0.19	-1.97e-03	-1.14e-04	0.0
79	92	0.02	-0.04	-0.34	1.72e-03	-1.28e-05	0.0
79	93	-0.02	0.04	-0.21	-2.29e-03	-1.33e-04	0.0
79	94	4.44e-03	-0.04	-0.35	1.40e-03	-3.23e-05	0.0
79	95	-4.88e-03	0.04	-0.19	-1.96e-03	-1.14e-04	0.0
79	96	0.02	-0.04	-0.34	1.73e-03	-1.30e-05	0.0
79	97	-0.02	0.04	-0.21	-2.30e-03	-1.33e-04	0.0
79	98	4.58e-03	-0.04	-0.35	1.39e-03	-3.22e-05	0.0
79	99	-5.44e-03	0.04	-0.19	-1.84e-03	-1.14e-04	0.0
79	100	0.02	-0.04	-0.33	1.59e-03	-1.27e-05	0.0
79	101	-0.02	0.04	-0.21	-2.16e-03	-1.33e-04	0.0
79	102	5.14e-03	-0.04	-0.35	1.28e-03	-3.22e-05	0.0
79	103	-5.58e-03	0.04	-0.19	-1.84e-03	-1.14e-04	0.0
79	104	0.02	-0.04	-0.33	1.60e-03	-1.29e-05	0.0
79	105	-0.02	0.04	-0.21	-2.17e-03	-1.33e-04	0.0
79	106	5.29e-03	-0.04	-0.35	1.27e-03	-3.20e-05	0.0
80	1	-1.91e-04	3.82e-04	-0.29	-1.44e-04	-5.91e-05	0.0
80	2	-1.04e-04	-3.28e-05	-0.48	-5.92e-04	-1.25e-04	0.0
80	3	-1.48e-04	3.02e-04	-0.22	-1.02e-04	-4.42e-05	0.0
80	4	-6.12e-05	-1.13e-04	-0.41	-5.51e-04	-1.10e-04	0.0
80	5	-1.48e-04	2.98e-04	-0.23	-1.07e-04	-4.49e-05	0.0
80	6	-8.93e-05	2.08e-05	-0.35	-4.06e-04	-8.88e-05	0.0
80	7	-1.48e-04	2.98e-04	-0.23	-1.07e-04	-4.49e-05	0.0
80	8	-1.07e-04	1.04e-04	-0.31	-3.16e-04	-7.56e-05	0.0
80	9	-1.48e-04	2.98e-04	-0.23	-1.07e-04	-4.49e-05	0.0
80	10	-1.13e-04	1.32e-04	-0.30	-2.86e-04	-7.12e-05	0.0
80	11	0.03	0.03	-0.28	-3.15e-04	-4.73e-05	0.0
80	12	0.05	-0.01	-0.18	1.38e-03	-2.14e-06	0.0
80	13	-0.05	0.01	-0.43	-1.95e-03	-1.40e-04	0.0
80	14	-0.04	-0.03	-0.32	-2.58e-04	-9.52e-05	0.0
80	15	0.03	0.03	-0.28	-2.58e-04	-4.79e-05	0.0
80	16	0.05	-0.01	-0.18	1.32e-03	-1.57e-06	0.0
80	17	-0.05	0.01	-0.42	-1.89e-03	-1.41e-04	0.0
80	18	-0.03	-0.03	-0.32	-3.15e-04	-9.46e-05	0.0

80	19	0.03	0.03	-0.28	-2.70e-04	-4.94e-05	0.0
80	20	0.05	-0.01	-0.17	1.42e-03	-4.22e-06	0.0
80	21	-0.05	0.01	-0.43	-1.99e-03	-1.38e-04	0.0
80	22	-0.03	-0.02	-0.32	-3.02e-04	-9.31e-05	0.0
80	23	0.03	0.03	-0.27	-2.13e-04	-5.00e-05	0.0
80	24	0.05	-0.01	-0.17	1.36e-03	-3.65e-06	0.0
80	25	-0.05	0.01	-0.43	-1.94e-03	-1.39e-04	0.0
80	26	-0.03	-0.03	-0.33	-3.60e-04	-9.25e-05	0.0
80	27	-5.66e-03	0.07	-0.46	-2.86e-03	-1.33e-04	0.0
80	28	0.03	-0.06	-0.10	2.78e-03	1.80e-05	0.0
80	29	-0.03	0.06	-0.50	-3.35e-03	-1.60e-04	0.0
80	30	5.43e-03	-0.06	-0.14	2.29e-03	-9.92e-06	0.0
80	31	-5.74e-03	0.07	-0.46	-2.85e-03	-1.33e-04	0.0
80	32	0.03	-0.06	-0.10	2.79e-03	1.74e-05	0.0
80	33	-0.03	0.06	-0.50	-3.36e-03	-1.60e-04	0.0
80	34	5.52e-03	-0.06	-0.15	2.27e-03	-9.29e-06	0.0
80	35	-6.36e-03	0.07	-0.44	-2.67e-03	-1.34e-04	0.0
80	36	0.03	-0.06	-0.11	2.59e-03	1.99e-05	0.0
80	37	-0.03	0.06	-0.49	-3.16e-03	-1.62e-04	0.0
80	38	6.13e-03	-0.07	-0.16	2.10e-03	-8.01e-06	0.0
80	39	-6.44e-03	0.07	-0.44	-2.66e-03	-1.35e-04	0.0
80	40	0.03	-0.06	-0.11	2.60e-03	1.93e-05	0.0
80	41	-0.03	0.06	-0.49	-3.17e-03	-1.62e-04	0.0
80	42	6.21e-03	-0.07	-0.16	2.08e-03	-7.39e-06	0.0
80	43	0.03	0.02	-0.29	-3.12e-04	-5.28e-05	0.0
80	44	0.04	-9.62e-03	-0.20	1.03e-03	-1.71e-05	0.0
80	45	-0.04	9.89e-03	-0.40	-1.60e-03	-1.25e-04	0.0
80	46	-0.03	-0.02	-0.31	-2.61e-04	-8.97e-05	0.0
80	47	0.03	0.02	-0.28	-2.66e-04	-5.33e-05	0.0
80	48	0.04	-0.01	-0.20	9.83e-04	-1.66e-05	0.0
80	49	-0.04	0.01	-0.40	-1.56e-03	-1.26e-04	0.0
80	50	-0.03	-0.02	-0.32	-3.07e-04	-8.92e-05	0.0
80	51	0.03	0.02	-0.28	-2.77e-04	-5.44e-05	0.0
80	52	0.04	-0.01	-0.20	1.06e-03	-1.87e-05	0.0
80	53	-0.04	0.01	-0.40	-1.64e-03	-1.24e-04	0.0
80	54	-0.03	-0.02	-0.32	-2.96e-04	-8.81e-05	0.0
80	55	0.03	0.02	-0.28	-2.31e-04	-5.48e-05	0.0
80	56	0.04	-0.01	-0.20	1.02e-03	-1.82e-05	0.0
80	57	-0.04	0.01	-0.40	-1.59e-03	-1.24e-04	0.0
80	58	-0.03	-0.02	-0.32	-3.42e-04	-8.76e-05	0.0
80	59	-4.47e-03	0.05	-0.42	-2.33e-03	-1.20e-04	0.0
80	60	0.02	-0.05	-0.14	2.14e-03	0.0	0.0
80	61	-0.02	0.05	-0.46	-2.71e-03	-1.42e-04	0.0
80	62	4.24e-03	-0.05	-0.18	1.75e-03	-2.26e-05	0.0
80	63	-4.55e-03	0.05	-0.42	-2.32e-03	-1.20e-04	0.0
80	64	0.02	-0.05	-0.14	2.15e-03	-1.26e-06	0.0
80	65	-0.02	0.05	-0.46	-2.72e-03	-1.41e-04	0.0
80	66	4.32e-03	-0.05	-0.18	1.74e-03	-2.21e-05	0.0
80	67	-5.02e-03	0.05	-0.41	-2.18e-03	-1.21e-04	0.0
80	68	0.02	-0.05	-0.15	1.99e-03	0.0	0.0
80	69	-0.02	0.05	-0.45	-2.56e-03	-1.43e-04	0.0
80	70	4.80e-03	-0.05	-0.19	1.60e-03	-2.11e-05	0.0
80	71	-5.11e-03	0.05	-0.41	-2.16e-03	-1.22e-04	0.0
80	72	0.02	-0.05	-0.15	2.00e-03	0.0	0.0
80	73	-0.02	0.05	-0.45	-2.57e-03	-1.43e-04	0.0
80	74	4.88e-03	-0.05	-0.19	1.59e-03	-2.06e-05	0.0
80	75	0.02	0.02	-0.29	-3.07e-04	-5.60e-05	0.0
80	76	0.03	-7.92e-03	-0.22	8.01e-04	-2.64e-05	0.0
80	77	-0.03	8.19e-03	-0.38	-1.37e-03	-1.16e-04	0.0
80	78	-0.02	-0.02	-0.31	-2.66e-04	-8.65e-05	0.0
80	79	0.02	0.02	-0.29	-2.69e-04	-5.63e-05	0.0
80	80	0.03	-8.26e-03	-0.22	7.64e-04	-2.61e-05	0.0
80	81	-0.03	8.52e-03	-0.38	-1.34e-03	-1.16e-04	0.0
80	82	-0.02	-0.02	-0.31	-3.04e-04	-8.61e-05	0.0
80	83	0.02	0.02	-0.28	-2.78e-04	-5.73e-05	0.0
80	84	0.03	-8.34e-03	-0.21	8.30e-04	-2.77e-05	0.0
80	85	-0.03	8.60e-03	-0.39	-1.40e-03	-1.15e-04	0.0
80	86	-0.02	-0.02	-0.32	-2.95e-04	-8.52e-05	0.0
80	87	0.02	0.02	-0.28	-2.40e-04	-5.77e-05	0.0
80	88	0.03	-8.68e-03	-0.22	7.92e-04	-2.74e-05	0.0
80	89	-0.03	8.94e-03	-0.38	-1.37e-03	-1.15e-04	0.0
80	90	-0.02	-0.02	-0.32	-3.33e-04	-8.48e-05	0.0

80	91	-3.71e-03	0.04	-0.40	-1.97e-03	-1.11e-04	0.0
80	92	0.02	-0.04	-0.17	1.72e-03	-1.30e-05	0.0
80	93	-0.02	0.04	-0.43	-2.29e-03	-1.29e-04	0.0
80	94	3.49e-03	-0.04	-0.20	1.40e-03	-3.10e-05	0.0
80	95	-3.78e-03	0.04	-0.40	-1.96e-03	-1.12e-04	0.0
80	96	0.02	-0.04	-0.17	1.73e-03	-1.34e-05	0.0
80	97	-0.02	0.04	-0.43	-2.30e-03	-1.29e-04	0.0
80	98	3.55e-03	-0.04	-0.20	1.39e-03	-3.06e-05	0.0
80	99	-4.17e-03	0.04	-0.39	-1.85e-03	-1.13e-04	0.0
80	100	0.02	-0.04	-0.18	1.59e-03	-1.18e-05	0.0
80	101	-0.02	0.04	-0.42	-2.17e-03	-1.31e-04	0.0
80	102	3.95e-03	-0.04	-0.21	1.27e-03	-2.98e-05	0.0
80	103	-4.24e-03	0.04	-0.39	-1.84e-03	-1.13e-04	0.0
80	104	0.02	-0.04	-0.18	1.60e-03	-1.21e-05	0.0
80	105	-0.02	0.04	-0.42	-2.18e-03	-1.30e-04	0.0
80	106	4.01e-03	-0.04	-0.21	1.27e-03	-2.94e-05	0.0
84	1	-2.83e-04	9.34e-05	-0.29	-1.47e-04	2.88e-05	0.0
84	2	-3.65e-04	3.45e-04	-0.45	-4.55e-04	1.72e-04	0.0
84	3	-2.16e-04	6.71e-05	-0.22	-1.08e-04	1.94e-05	0.0
84	4	-2.98e-04	3.19e-04	-0.38	-4.15e-04	1.63e-04	0.0
84	5	-2.17e-04	6.98e-05	-0.22	-1.11e-04	2.10e-05	0.0
84	6	-2.71e-04	2.38e-04	-0.33	-3.16e-04	1.16e-04	0.0
84	7	-2.17e-04	6.98e-05	-0.22	-1.11e-04	2.10e-05	0.0
84	8	-2.55e-04	1.87e-04	-0.30	-2.54e-04	8.77e-05	0.0
84	9	-2.17e-04	6.98e-05	-0.22	-1.11e-04	2.10e-05	0.0
84	10	-2.50e-04	1.71e-04	-0.29	-2.34e-04	7.82e-05	0.0
84	11	0.03	0.01	-0.31	-9.17e-04	3.63e-04	0.0
84	12	0.04	-0.03	-0.23	9.46e-04	1.80e-05	0.0
84	13	-0.05	0.03	-0.34	-1.41e-03	1.38e-04	0.0
84	14	-0.03	-0.01	-0.26	4.50e-04	-2.07e-04	0.0
84	15	0.03	0.01	-0.32	-9.51e-04	3.74e-04	0.0
84	16	0.04	-0.03	-0.23	9.80e-04	7.09e-06	0.0
84	17	-0.05	0.03	-0.34	-1.45e-03	1.49e-04	0.0
84	18	-0.03	-0.01	-0.26	4.84e-04	-2.18e-04	0.0
84	19	0.03	0.02	-0.32	-1.35e-03	3.58e-04	0.0
84	20	0.04	-0.01	-0.24	5.17e-04	1.27e-05	0.0
84	21	-0.04	0.02	-0.33	-9.84e-04	1.44e-04	0.0
84	22	-0.03	-0.02	-0.25	8.79e-04	-2.01e-04	0.0
84	23	0.03	0.03	-0.32	-1.38e-03	3.69e-04	0.0
84	24	0.04	-0.02	-0.23	5.51e-04	1.81e-06	0.0
84	25	-0.04	0.02	-0.34	-1.02e-03	1.55e-04	0.0
84	26	-0.03	-0.03	-0.25	9.13e-04	-2.12e-04	0.0
84	27	-6.58e-03	0.06	-0.42	-3.26e-03	6.87e-04	0.0
84	28	0.03	-0.07	-0.15	2.95e-03	-4.63e-04	0.0
84	29	-0.03	0.07	-0.42	-3.41e-03	6.19e-04	0.0
84	30	6.08e-03	-0.06	-0.15	2.80e-03	-5.30e-04	0.0
84	31	-6.66e-03	0.07	-0.42	-3.39e-03	6.85e-04	0.0
84	32	0.03	-0.06	-0.15	2.82e-03	-4.65e-04	0.0
84	33	-0.03	0.06	-0.42	-3.28e-03	6.21e-04	0.0
84	34	6.16e-03	-0.07	-0.15	2.93e-03	-5.29e-04	0.0
84	35	-7.20e-03	0.07	-0.42	-3.38e-03	7.23e-04	0.0
84	36	0.03	-0.07	-0.14	3.06e-03	-4.99e-04	0.0
84	37	-0.03	0.07	-0.43	-3.53e-03	6.56e-04	0.0
84	38	6.70e-03	-0.07	-0.15	2.91e-03	-5.67e-04	0.0
84	39	-7.29e-03	0.07	-0.42	-3.51e-03	7.22e-04	0.0
84	40	0.03	-0.07	-0.14	2.93e-03	-5.01e-04	0.0
84	41	-0.03	0.07	-0.43	-3.40e-03	6.57e-04	0.0
84	42	6.79e-03	-0.07	-0.15	3.04e-03	-5.65e-04	0.0
84	43	0.03	0.01	-0.31	-7.76e-04	3.04e-04	0.0
84	44	0.04	-0.02	-0.24	7.01e-04	3.04e-05	0.0
84	45	-0.04	0.02	-0.33	-1.17e-03	1.26e-04	0.0
84	46	-0.03	-0.01	-0.26	3.08e-04	-1.47e-04	0.0
84	47	0.03	0.01	-0.31	-8.03e-04	3.12e-04	0.0
84	48	0.04	-0.02	-0.24	7.28e-04	2.17e-05	0.0
84	49	-0.04	0.02	-0.33	-1.20e-03	1.35e-04	0.0
84	50	-0.03	-0.01	-0.26	3.35e-04	-1.56e-04	0.0
84	51	0.03	0.02	-0.31	-1.12e-03	3.00e-04	0.0
84	52	0.03	-0.01	-0.25	3.61e-04	2.62e-05	0.0
84	53	-0.04	0.01	-0.32	-8.29e-04	1.30e-04	0.0
84	54	-0.03	-0.02	-0.26	6.48e-04	-1.43e-04	0.0
84	55	0.03	0.02	-0.31	-1.14e-03	3.08e-04	0.0
84	56	0.03	-0.01	-0.25	3.88e-04	1.76e-05	0.0

84	57	-0.04	0.01	-0.33	-8.56e-04	1.39e-04	0.0
84	58	-0.03	-0.02	-0.26	6.75e-04	-1.52e-04	0.0
84	59	-5.22e-03	0.05	-0.39	-2.64e-03	5.61e-04	0.0
84	60	0.02	-0.05	-0.18	2.29e-03	-3.51e-04	0.0
84	61	-0.02	0.05	-0.39	-2.75e-03	5.07e-04	0.0
84	62	4.72e-03	-0.05	-0.18	2.17e-03	-4.04e-04	0.0
84	63	-5.31e-03	0.05	-0.39	-2.74e-03	5.59e-04	0.0
84	64	0.02	-0.05	-0.18	2.18e-03	-3.52e-04	0.0
84	65	-0.02	0.05	-0.39	-2.65e-03	5.08e-04	0.0
84	66	4.81e-03	-0.05	-0.18	2.27e-03	-4.03e-04	0.0
84	67	-5.72e-03	0.05	-0.39	-2.73e-03	5.89e-04	0.0
84	68	0.02	-0.06	-0.17	2.38e-03	-3.80e-04	0.0
84	69	-0.02	0.06	-0.40	-2.84e-03	5.36e-04	0.0
84	70	5.22e-03	-0.05	-0.18	2.26e-03	-4.33e-04	0.0
84	71	-5.81e-03	0.06	-0.39	-2.83e-03	5.88e-04	0.0
84	72	0.02	-0.05	-0.17	2.27e-03	-3.81e-04	0.0
84	73	-0.02	0.05	-0.40	-2.74e-03	5.37e-04	0.0
84	74	5.31e-03	-0.06	-0.18	2.36e-03	-4.32e-04	0.0
84	75	0.02	9.18e-03	-0.30	-6.82e-04	2.65e-04	0.0
84	76	0.03	-0.02	-0.25	5.39e-04	3.87e-05	0.0
84	77	-0.03	0.02	-0.32	-1.01e-03	1.18e-04	0.0
84	78	-0.02	-8.84e-03	-0.27	2.14e-04	-1.08e-04	0.0
84	79	0.02	9.91e-03	-0.31	-7.04e-04	2.72e-04	0.0
84	80	0.03	-0.02	-0.25	5.61e-04	3.15e-05	0.0
84	81	-0.03	0.02	-0.32	-1.03e-03	1.25e-04	0.0
84	82	-0.02	-9.57e-03	-0.27	2.36e-04	-1.15e-04	0.0
84	83	0.02	0.02	-0.31	-9.62e-04	2.61e-04	0.0
84	84	0.03	-9.63e-03	-0.25	2.58e-04	3.53e-05	0.0
84	85	-0.03	9.97e-03	-0.32	-7.26e-04	1.21e-04	0.0
84	86	-0.02	-0.02	-0.26	4.95e-04	-1.05e-04	0.0
84	87	0.02	0.02	-0.31	-9.85e-04	2.68e-04	0.0
84	88	0.03	-0.01	-0.25	2.80e-04	2.81e-05	0.0
84	89	-0.03	0.01	-0.32	-7.48e-04	1.28e-04	0.0
84	90	-0.02	-0.02	-0.26	5.17e-04	-1.12e-04	0.0
84	91	-4.36e-03	0.04	-0.37	-2.22e-03	4.77e-04	0.0
84	92	0.02	-0.04	-0.20	1.85e-03	-2.76e-04	0.0
84	93	-0.02	0.04	-0.38	-2.32e-03	4.33e-04	0.0
84	94	3.86e-03	-0.04	-0.20	1.75e-03	-3.20e-04	0.0
84	95	-4.43e-03	0.04	-0.37	-2.30e-03	4.76e-04	0.0
84	96	0.02	-0.04	-0.20	1.76e-03	-2.77e-04	0.0
84	97	-0.02	0.04	-0.38	-2.23e-03	4.34e-04	0.0
84	98	3.93e-03	-0.04	-0.20	1.84e-03	-3.19e-04	0.0
84	99	-4.77e-03	0.04	-0.37	-2.29e-03	5.01e-04	0.0
84	100	0.02	-0.05	-0.19	1.92e-03	-3.00e-04	0.0
84	101	-0.02	0.05	-0.38	-2.39e-03	4.57e-04	0.0
84	102	4.27e-03	-0.04	-0.20	1.83e-03	-3.44e-04	0.0
84	103	-4.84e-03	0.05	-0.38	-2.38e-03	5.00e-04	0.0
84	104	0.02	-0.04	-0.19	1.84e-03	-3.01e-04	0.0
84	105	-0.02	0.04	-0.38	-2.31e-03	4.58e-04	0.0
84	106	4.34e-03	-0.05	-0.20	1.91e-03	-3.43e-04	0.0
85	1	-1.71e-04	-1.91e-05	-0.28	-1.47e-04	3.07e-05	0.0
85	2	-3.65e-04	3.33e-04	-0.41	-4.52e-04	1.77e-04	0.0
85	3	-1.28e-04	-2.13e-05	-0.22	-1.07e-04	2.09e-05	0.0
85	4	-3.22e-04	3.31e-04	-0.35	-4.13e-04	1.67e-04	0.0
85	5	-1.30e-04	-1.76e-05	-0.22	-1.10e-04	2.24e-05	0.0
85	6	-2.60e-04	2.17e-04	-0.30	-3.14e-04	1.20e-04	0.0
85	7	-1.30e-04	-1.76e-05	-0.22	-1.10e-04	2.24e-05	0.0
85	8	-2.21e-04	1.47e-04	-0.28	-2.53e-04	9.05e-05	0.0
85	9	-1.30e-04	-1.76e-05	-0.22	-1.10e-04	2.24e-05	0.0
85	10	-2.08e-04	1.23e-04	-0.27	-2.33e-04	8.08e-05	0.0
85	11	0.03	0.01	-0.24	-9.16e-04	3.71e-04	0.0
85	12	0.04	-0.03	-0.27	9.47e-04	2.22e-05	0.0
85	13	-0.05	0.03	-0.27	-1.41e-03	1.39e-04	0.0
85	14	-0.03	-0.01	-0.30	4.50e-04	-2.09e-04	0.0
85	15	0.03	0.01	-0.24	-9.50e-04	3.82e-04	0.0
85	16	0.04	-0.03	-0.27	9.81e-04	1.09e-05	0.0
85	17	-0.05	0.03	-0.26	-1.45e-03	1.51e-04	0.0
85	18	-0.03	-0.01	-0.30	4.85e-04	-2.20e-04	0.0
85	19	0.03	0.03	-0.24	-1.34e-03	3.66e-04	0.0
85	20	0.04	-0.01	-0.27	5.17e-04	1.72e-05	0.0
85	21	-0.04	0.01	-0.26	-9.83e-04	1.44e-04	0.0
85	22	-0.03	-0.03	-0.30	8.80e-04	-2.04e-04	0.0

85	23	0.03	0.03	-0.24	-1.38e-03	3.77e-04	0.0
85	24	0.04	-0.01	-0.28	5.52e-04	5.85e-06	0.0
85	25	-0.04	0.01	-0.26	-1.02e-03	1.56e-04	0.0
85	26	-0.03	-0.03	-0.30	9.14e-04	-2.15e-04	0.0
85	27	-6.69e-03	0.06	-0.21	-3.26e-03	6.96e-04	0.0
85	28	0.03	-0.07	-0.32	2.95e-03	-4.65e-04	0.0
85	29	-0.03	0.07	-0.22	-3.41e-03	6.27e-04	0.0
85	30	6.27e-03	-0.06	-0.33	2.80e-03	-5.35e-04	0.0
85	31	-6.82e-03	0.07	-0.21	-3.39e-03	6.95e-04	0.0
85	32	0.03	-0.06	-0.32	2.82e-03	-4.67e-04	0.0
85	33	-0.03	0.06	-0.22	-3.28e-03	6.28e-04	0.0
85	34	6.40e-03	-0.07	-0.33	2.93e-03	-5.33e-04	0.0
85	35	-7.51e-03	0.07	-0.21	-3.38e-03	7.34e-04	0.0
85	36	0.03	-0.07	-0.32	3.06e-03	-5.03e-04	0.0
85	37	-0.03	0.07	-0.22	-3.52e-03	6.65e-04	0.0
85	38	7.09e-03	-0.07	-0.33	2.91e-03	-5.72e-04	0.0
85	39	-7.64e-03	0.07	-0.21	-3.50e-03	7.32e-04	0.0
85	40	0.03	-0.07	-0.32	2.93e-03	-5.04e-04	0.0
85	41	-0.03	0.07	-0.22	-3.40e-03	6.66e-04	0.0
85	42	7.22e-03	-0.07	-0.33	3.04e-03	-5.71e-04	0.0
85	43	0.03	0.01	-0.25	-7.74e-04	3.10e-04	0.0
85	44	0.04	-0.02	-0.27	7.02e-04	3.42e-05	0.0
85	45	-0.04	0.02	-0.27	-1.17e-03	1.27e-04	0.0
85	46	-0.03	-9.78e-03	-0.29	3.09e-04	-1.49e-04	0.0
85	47	0.03	0.01	-0.25	-8.01e-04	3.19e-04	0.0
85	48	0.04	-0.02	-0.27	7.29e-04	2.53e-05	0.0
85	49	-0.04	0.02	-0.27	-1.19e-03	1.36e-04	0.0
85	50	-0.03	-0.01	-0.29	3.36e-04	-1.58e-04	0.0
85	51	0.03	0.02	-0.25	-1.11e-03	3.06e-04	0.0
85	52	0.03	-0.01	-0.27	3.62e-04	3.03e-05	0.0
85	53	-0.04	0.01	-0.27	-8.27e-04	1.31e-04	0.0
85	54	-0.03	-0.02	-0.29	6.49e-04	-1.45e-04	0.0
85	55	0.03	0.02	-0.25	-1.14e-03	3.15e-04	0.0
85	56	0.03	-0.01	-0.27	3.89e-04	2.13e-05	0.0
85	57	-0.04	0.01	-0.26	-8.54e-04	1.40e-04	0.0
85	58	-0.03	-0.02	-0.29	6.76e-04	-1.54e-04	0.0
85	59	-5.29e-03	0.05	-0.22	-2.63e-03	5.69e-04	0.0
85	60	0.02	-0.05	-0.31	2.29e-03	-3.52e-04	0.0
85	61	-0.02	0.05	-0.23	-2.75e-03	5.14e-04	0.0
85	62	4.88e-03	-0.05	-0.31	2.17e-03	-4.07e-04	0.0
85	63	-5.42e-03	0.05	-0.22	-2.74e-03	5.67e-04	0.0
85	64	0.02	-0.05	-0.31	2.18e-03	-3.53e-04	0.0
85	65	-0.02	0.05	-0.23	-2.65e-03	5.15e-04	0.0
85	66	5.00e-03	-0.05	-0.31	2.27e-03	-4.06e-04	0.0
85	67	-5.95e-03	0.05	-0.22	-2.72e-03	5.98e-04	0.0
85	68	0.02	-0.06	-0.31	2.38e-03	-3.82e-04	0.0
85	69	-0.02	0.06	-0.23	-2.84e-03	5.44e-04	0.0
85	70	5.53e-03	-0.05	-0.32	2.26e-03	-4.37e-04	0.0
85	71	-6.07e-03	0.06	-0.22	-2.83e-03	5.97e-04	0.0
85	72	0.02	-0.05	-0.31	2.27e-03	-3.83e-04	0.0
85	73	-0.02	0.05	-0.23	-2.74e-03	5.45e-04	0.0
85	74	5.65e-03	-0.06	-0.32	2.36e-03	-4.36e-04	0.0
85	75	0.02	8.30e-03	-0.25	-6.80e-04	2.71e-04	0.0
85	76	0.03	-0.02	-0.27	5.40e-04	4.23e-05	0.0
85	77	-0.03	0.02	-0.27	-1.01e-03	1.19e-04	0.0
85	78	-0.02	-8.05e-03	-0.29	2.15e-04	-1.09e-04	0.0
85	79	0.02	9.11e-03	-0.25	-7.02e-04	2.78e-04	0.0
85	80	0.03	-0.02	-0.27	5.62e-04	3.49e-05	0.0
85	81	-0.03	0.02	-0.27	-1.03e-03	1.27e-04	0.0
85	82	-0.02	-8.87e-03	-0.29	2.37e-04	-1.16e-04	0.0
85	83	0.02	0.02	-0.25	-9.61e-04	2.67e-04	0.0
85	84	0.03	-8.70e-03	-0.27	2.59e-04	3.90e-05	0.0
85	85	-0.03	8.95e-03	-0.27	-7.24e-04	1.23e-04	0.0
85	86	-0.02	-0.02	-0.29	4.96e-04	-1.06e-04	0.0
85	87	0.02	0.02	-0.25	-9.84e-04	2.75e-04	0.0
85	88	0.03	-9.51e-03	-0.27	2.81e-04	3.16e-05	0.0
85	89	-0.03	9.76e-03	-0.27	-7.46e-04	1.30e-04	0.0
85	90	-0.02	-0.02	-0.29	5.18e-04	-1.13e-04	0.0
85	91	-4.41e-03	0.04	-0.23	-2.22e-03	4.84e-04	0.0
85	92	0.02	-0.04	-0.30	1.85e-03	-2.77e-04	0.0
85	93	-0.02	0.04	-0.24	-2.31e-03	4.39e-04	0.0
85	94	3.99e-03	-0.04	-0.31	1.75e-03	-3.22e-04	0.0

85	95	-4.51e-03	0.04	-0.23	-2.30e-03	4.83e-04	0.0
85	96	0.02	-0.04	-0.30	1.76e-03	-2.78e-04	0.0
85	97	-0.02	0.04	-0.24	-2.23e-03	4.39e-04	0.0
85	98	4.10e-03	-0.04	-0.31	1.84e-03	-3.21e-04	0.0
85	99	-4.95e-03	0.04	-0.23	-2.29e-03	5.09e-04	0.0
85	100	0.02	-0.05	-0.30	1.92e-03	-3.02e-04	0.0
85	101	-0.02	0.05	-0.24	-2.39e-03	4.63e-04	0.0
85	102	4.53e-03	-0.04	-0.31	1.83e-03	-3.47e-04	0.0
85	103	-5.05e-03	0.05	-0.23	-2.38e-03	5.08e-04	0.0
85	104	0.02	-0.04	-0.30	1.84e-03	-3.03e-04	0.0
85	105	-0.02	0.04	-0.24	-2.30e-03	4.64e-04	0.0
85	106	4.64e-03	-0.05	-0.31	1.91e-03	-3.46e-04	0.0
86	1	-1.71e-04	9.34e-05	-0.29	-1.47e-04	2.92e-05	0.0
86	2	-3.61e-04	3.44e-04	-0.42	-4.53e-04	1.73e-04	0.0
86	3	-1.28e-04	6.71e-05	-0.22	-1.07e-04	1.98e-05	0.0
86	4	-3.18e-04	3.18e-04	-0.36	-4.14e-04	1.63e-04	0.0
86	5	-1.30e-04	6.98e-05	-0.22	-1.10e-04	2.13e-05	0.0
86	6	-2.57e-04	2.37e-04	-0.31	-3.15e-04	1.17e-04	0.0
86	7	-1.30e-04	6.98e-05	-0.22	-1.10e-04	2.13e-05	0.0
86	8	-2.19e-04	1.87e-04	-0.28	-2.53e-04	8.83e-05	0.0
86	9	-1.30e-04	6.98e-05	-0.22	-1.10e-04	2.13e-05	0.0
86	10	-2.06e-04	1.70e-04	-0.27	-2.33e-04	7.88e-05	0.0
86	11	0.03	0.01	-0.26	-9.17e-04	3.66e-04	0.0
86	12	0.04	-0.03	-0.27	9.46e-04	2.07e-05	0.0
86	13	-0.05	0.03	-0.27	-1.41e-03	1.37e-04	0.0
86	14	-0.03	-0.01	-0.29	4.51e-04	-2.08e-04	0.0
86	15	0.03	0.01	-0.26	-9.51e-04	3.77e-04	0.0
86	16	0.04	-0.03	-0.27	9.80e-04	9.46e-06	0.0
86	17	-0.05	0.03	-0.27	-1.45e-03	1.48e-04	0.0
86	18	-0.03	-0.01	-0.29	4.85e-04	-2.20e-04	0.0
86	19	0.03	0.02	-0.26	-1.34e-03	3.61e-04	0.0
86	20	0.04	-0.01	-0.27	5.18e-04	1.57e-05	0.0
86	21	-0.04	0.02	-0.27	-9.84e-04	1.42e-04	0.0
86	22	-0.03	-0.02	-0.29	8.79e-04	-2.03e-04	0.0
86	23	0.03	0.03	-0.26	-1.38e-03	3.72e-04	0.0
86	24	0.04	-0.02	-0.27	5.53e-04	4.45e-06	0.0
86	25	-0.04	0.02	-0.27	-1.02e-03	1.53e-04	0.0
86	26	-0.03	-0.03	-0.29	9.13e-04	-2.15e-04	0.0
86	27	-6.68e-03	0.06	-0.25	-3.26e-03	6.89e-04	0.0
86	28	0.03	-0.07	-0.30	2.95e-03	-4.62e-04	0.0
86	29	-0.03	0.07	-0.25	-3.41e-03	6.20e-04	0.0
86	30	6.27e-03	-0.06	-0.30	2.80e-03	-5.31e-04	0.0
86	31	-6.81e-03	0.07	-0.25	-3.39e-03	6.87e-04	0.0
86	32	0.03	-0.06	-0.30	2.82e-03	-4.64e-04	0.0
86	33	-0.03	0.06	-0.25	-3.28e-03	6.21e-04	0.0
86	34	6.40e-03	-0.07	-0.30	2.93e-03	-5.30e-04	0.0
86	35	-7.50e-03	0.07	-0.25	-3.38e-03	7.26e-04	0.0
86	36	0.03	-0.07	-0.30	3.06e-03	-5.00e-04	0.0
86	37	-0.03	0.07	-0.25	-3.53e-03	6.57e-04	0.0
86	38	7.09e-03	-0.07	-0.30	2.91e-03	-5.68e-04	0.0
86	39	-7.63e-03	0.07	-0.25	-3.51e-03	7.24e-04	0.0
86	40	0.03	-0.07	-0.30	2.93e-03	-5.01e-04	0.0
86	41	-0.03	0.07	-0.25	-3.40e-03	6.59e-04	0.0
86	42	7.22e-03	-0.07	-0.30	3.04e-03	-5.67e-04	0.0
86	43	0.03	0.01	-0.26	-7.75e-04	3.06e-04	0.0
86	44	0.04	-0.02	-0.27	7.02e-04	3.26e-05	0.0
86	45	-0.04	0.02	-0.27	-1.17e-03	1.25e-04	0.0
86	46	-0.03	-0.01	-0.29	3.09e-04	-1.49e-04	0.0
86	47	0.03	0.01	-0.26	-8.02e-04	3.15e-04	0.0
86	48	0.04	-0.02	-0.27	7.29e-04	2.37e-05	0.0
86	49	-0.04	0.02	-0.27	-1.19e-03	1.34e-04	0.0
86	50	-0.03	-0.01	-0.29	3.36e-04	-1.58e-04	0.0
86	51	0.03	0.02	-0.26	-1.11e-03	3.02e-04	0.0
86	52	0.03	-0.01	-0.27	3.63e-04	2.87e-05	0.0
86	53	-0.04	0.01	-0.27	-8.29e-04	1.29e-04	0.0
86	54	-0.03	-0.02	-0.29	6.48e-04	-1.45e-04	0.0
86	55	0.03	0.02	-0.26	-1.14e-03	3.11e-04	0.0
86	56	0.03	-0.01	-0.27	3.90e-04	1.98e-05	0.0
86	57	-0.04	0.01	-0.27	-8.56e-04	1.38e-04	0.0
86	58	-0.03	-0.02	-0.29	6.75e-04	-1.54e-04	0.0
86	59	-5.29e-03	0.05	-0.25	-2.64e-03	5.62e-04	0.0
86	60	0.02	-0.05	-0.29	2.29e-03	-3.50e-04	0.0

86	61	-0.02	0.05	-0.26	-2.75e-03	5.08e-04	0.0
86	62	4.87e-03	-0.05	-0.29	2.17e-03	-4.05e-04	0.0
86	63	-5.41e-03	0.05	-0.25	-2.74e-03	5.61e-04	0.0
86	64	0.02	-0.05	-0.29	2.19e-03	-3.51e-04	0.0
86	65	-0.02	0.05	-0.26	-2.65e-03	5.09e-04	0.0
86	66	5.00e-03	-0.05	-0.29	2.27e-03	-4.03e-04	0.0
86	67	-5.94e-03	0.05	-0.25	-2.73e-03	5.92e-04	0.0
86	68	0.02	-0.06	-0.29	2.38e-03	-3.80e-04	0.0
86	69	-0.02	0.06	-0.26	-2.84e-03	5.37e-04	0.0
86	70	5.53e-03	-0.05	-0.30	2.26e-03	-4.34e-04	0.0
86	71	-6.07e-03	0.06	-0.25	-2.83e-03	5.90e-04	0.0
86	72	0.02	-0.05	-0.29	2.28e-03	-3.81e-04	0.0
86	73	-0.02	0.05	-0.26	-2.74e-03	5.38e-04	0.0
86	74	5.65e-03	-0.06	-0.30	2.36e-03	-4.33e-04	0.0
86	75	0.02	9.18e-03	-0.26	-6.81e-04	2.67e-04	0.0
86	76	0.03	-0.02	-0.27	5.39e-04	4.06e-05	0.0
86	77	-0.03	0.02	-0.27	-1.01e-03	1.17e-04	0.0
86	78	-0.02	-8.84e-03	-0.28	2.15e-04	-1.09e-04	0.0
86	79	0.02	9.91e-03	-0.26	-7.03e-04	2.74e-04	0.0
86	80	0.03	-0.02	-0.27	5.62e-04	3.33e-05	0.0
86	81	-0.03	0.02	-0.27	-1.03e-03	1.24e-04	0.0
86	82	-0.02	-9.57e-03	-0.28	2.37e-04	-1.17e-04	0.0
86	83	0.02	0.02	-0.26	-9.61e-04	2.64e-04	0.0
86	84	0.03	-9.63e-03	-0.27	2.59e-04	3.74e-05	0.0
86	85	-0.03	9.97e-03	-0.27	-7.25e-04	1.20e-04	0.0
86	86	-0.02	-0.02	-0.28	4.95e-04	-1.06e-04	0.0
86	87	0.02	0.02	-0.26	-9.83e-04	2.71e-04	0.0
86	88	0.03	-0.01	-0.27	2.82e-04	3.00e-05	0.0
86	89	-0.03	0.01	-0.27	-7.47e-04	1.28e-04	0.0
86	90	-0.02	-0.02	-0.28	5.18e-04	-1.13e-04	0.0
86	91	-4.40e-03	0.04	-0.26	-2.22e-03	4.78e-04	0.0
86	92	0.02	-0.04	-0.29	1.85e-03	-2.76e-04	0.0
86	93	-0.02	0.04	-0.26	-2.32e-03	4.33e-04	0.0
86	94	3.99e-03	-0.04	-0.29	1.75e-03	-3.21e-04	0.0
86	95	-4.51e-03	0.04	-0.26	-2.30e-03	4.77e-04	0.0
86	96	0.02	-0.04	-0.29	1.77e-03	-2.77e-04	0.0
86	97	-0.02	0.04	-0.26	-2.23e-03	4.34e-04	0.0
86	98	4.09e-03	-0.04	-0.29	1.84e-03	-3.20e-04	0.0
86	99	-4.94e-03	0.04	-0.26	-2.29e-03	5.03e-04	0.0
86	100	0.02	-0.05	-0.29	1.92e-03	-3.00e-04	0.0
86	101	-0.02	0.05	-0.26	-2.39e-03	4.58e-04	0.0
86	102	4.53e-03	-0.04	-0.29	1.83e-03	-3.45e-04	0.0
86	103	-5.05e-03	0.05	-0.26	-2.38e-03	5.02e-04	0.0
86	104	0.02	-0.04	-0.29	1.84e-03	-3.01e-04	0.0
86	105	-0.02	0.04	-0.26	-2.31e-03	4.59e-04	0.0
86	106	4.64e-03	-0.05	-0.29	1.91e-03	-3.44e-04	0.0
90	1	-1.46e-04	3.83e-04	-0.29	-1.43e-04	-5.96e-05	0.0
90	2	-1.89e-04	-3.09e-05	-0.45	-5.90e-04	-1.27e-04	0.0
90	3	-1.12e-04	3.02e-04	-0.22	-1.02e-04	-4.46e-05	0.0
90	4	-1.55e-04	-1.11e-04	-0.38	-5.49e-04	-1.12e-04	0.0
90	5	-1.12e-04	2.98e-04	-0.22	-1.06e-04	-4.53e-05	0.0
90	6	-1.41e-04	2.20e-05	-0.33	-4.04e-04	-9.03e-05	0.0
90	7	-1.12e-04	2.98e-04	-0.22	-1.06e-04	-4.53e-05	0.0
90	8	-1.32e-04	1.05e-04	-0.30	-3.15e-04	-7.68e-05	0.0
90	9	-1.12e-04	2.98e-04	-0.22	-1.06e-04	-4.53e-05	0.0
90	10	-1.29e-04	1.32e-04	-0.29	-2.85e-04	-7.23e-05	0.0
90	11	0.03	0.03	-0.25	-3.16e-04	-4.65e-05	0.0
90	12	0.05	-0.01	-0.23	1.38e-03	-1.12e-06	0.0
90	13	-0.05	0.01	-0.34	-1.95e-03	-1.43e-04	0.0
90	14	-0.03	-0.03	-0.32	-2.55e-04	-9.81e-05	0.0
90	15	0.03	0.03	-0.25	-2.58e-04	-4.67e-05	0.0
90	16	0.05	-0.01	-0.23	1.32e-03	0.0	0.0
90	17	-0.05	0.01	-0.34	-1.89e-03	-1.44e-04	0.0
90	18	-0.03	-0.03	-0.32	-3.12e-04	-9.78e-05	0.0
90	19	0.03	0.03	-0.25	-2.71e-04	-4.79e-05	0.0
90	20	0.04	-0.01	-0.23	1.42e-03	-2.50e-06	0.0
90	21	-0.04	0.01	-0.34	-1.99e-03	-1.42e-04	0.0
90	22	-0.03	-0.02	-0.32	-2.99e-04	-9.67e-05	0.0
90	23	0.03	0.03	-0.25	-2.14e-04	-4.81e-05	0.0
90	24	0.04	-0.01	-0.23	1.36e-03	-2.27e-06	0.0
90	25	-0.05	0.01	-0.34	-1.93e-03	-1.42e-04	0.0
90	26	-0.03	-0.03	-0.32	-3.56e-04	-9.65e-05	0.0

90	27	-6.40e-03	0.07	-0.31	-2.86e-03	-1.33e-04	0.0
90	28	0.03	-0.06	-0.24	2.78e-03	1.79e-05	0.0
90	29	-0.03	0.06	-0.34	-3.35e-03	-1.62e-04	0.0
90	30	6.14e-03	-0.06	-0.26	2.29e-03	-1.12e-05	0.0
90	31	-6.54e-03	0.07	-0.31	-2.85e-03	-1.34e-04	0.0
90	32	0.03	-0.06	-0.23	2.79e-03	1.75e-05	0.0
90	33	-0.03	0.06	-0.34	-3.36e-03	-1.62e-04	0.0
90	34	6.28e-03	-0.06	-0.26	2.28e-03	-1.08e-05	0.0
90	35	-7.25e-03	0.07	-0.31	-2.67e-03	-1.34e-04	0.0
90	36	0.03	-0.06	-0.24	2.59e-03	1.86e-05	0.0
90	37	-0.03	0.06	-0.34	-3.16e-03	-1.63e-04	0.0
90	38	6.99e-03	-0.07	-0.26	2.10e-03	-1.04e-05	0.0
90	39	-7.38e-03	0.07	-0.31	-2.66e-03	-1.35e-04	0.0
90	40	0.03	-0.06	-0.24	2.60e-03	1.82e-05	0.0
90	41	-0.03	0.06	-0.34	-3.17e-03	-1.63e-04	0.0
90	42	7.13e-03	-0.07	-0.26	2.09e-03	-1.00e-05	0.0
90	43	0.03	0.02	-0.26	-3.12e-04	-5.23e-05	0.0
90	44	0.04	-9.62e-03	-0.24	1.03e-03	-1.64e-05	0.0
90	45	-0.04	9.89e-03	-0.33	-1.60e-03	-1.28e-04	0.0
90	46	-0.03	-0.02	-0.31	-2.58e-04	-9.22e-05	0.0
90	47	0.03	0.02	-0.26	-2.66e-04	-5.25e-05	0.0
90	48	0.04	-0.01	-0.24	9.83e-04	-1.63e-05	0.0
90	49	-0.04	0.01	-0.33	-1.55e-03	-1.28e-04	0.0
90	50	-0.03	-0.02	-0.31	-3.04e-04	-9.20e-05	0.0
90	51	0.03	0.02	-0.26	-2.77e-04	-5.34e-05	0.0
90	52	0.03	-0.01	-0.24	1.06e-03	-1.75e-05	0.0
90	53	-0.04	0.01	-0.33	-1.63e-03	-1.27e-04	0.0
90	54	-0.03	-0.02	-0.31	-2.93e-04	-9.12e-05	0.0
90	55	0.03	0.02	-0.26	-2.31e-04	-5.35e-05	0.0
90	56	0.04	-0.01	-0.24	1.02e-03	-1.73e-05	0.0
90	57	-0.04	0.01	-0.33	-1.59e-03	-1.27e-04	0.0
90	58	-0.03	-0.02	-0.31	-3.39e-04	-9.10e-05	0.0
90	59	-5.05e-03	0.05	-0.31	-2.33e-03	-1.21e-04	0.0
90	60	0.02	-0.05	-0.25	2.14e-03	-1.08e-06	0.0
90	61	-0.02	0.05	-0.33	-2.71e-03	-1.43e-04	0.0
90	62	4.79e-03	-0.05	-0.27	1.76e-03	-2.38e-05	0.0
90	63	-5.18e-03	0.05	-0.31	-2.32e-03	-1.21e-04	0.0
90	64	0.02	-0.05	-0.25	2.15e-03	-1.38e-06	0.0
90	65	-0.02	0.05	-0.33	-2.72e-03	-1.43e-04	0.0
90	66	4.92e-03	-0.05	-0.27	1.75e-03	-2.35e-05	0.0
90	67	-5.72e-03	0.05	-0.30	-2.17e-03	-1.21e-04	0.0
90	68	0.02	-0.05	-0.25	1.99e-03	0.0	0.0
90	69	-0.02	0.05	-0.32	-2.56e-03	-1.44e-04	0.0
90	70	5.46e-03	-0.05	-0.27	1.60e-03	-2.32e-05	0.0
90	71	-5.85e-03	0.05	-0.30	-2.16e-03	-1.22e-04	0.0
90	72	0.02	-0.05	-0.25	2.00e-03	0.0	0.0
90	73	-0.02	0.05	-0.32	-2.57e-03	-1.44e-04	0.0
90	74	5.59e-03	-0.05	-0.27	1.59e-03	-2.29e-05	0.0
90	75	0.02	0.02	-0.27	-3.06e-04	-5.58e-05	0.0
90	76	0.03	-7.92e-03	-0.25	8.01e-04	-2.61e-05	0.0
90	77	-0.03	8.19e-03	-0.32	-1.37e-03	-1.18e-04	0.0
90	78	-0.02	-0.02	-0.31	-2.64e-04	-8.88e-05	0.0
90	79	0.02	0.02	-0.26	-2.69e-04	-5.59e-05	0.0
90	80	0.03	-8.26e-03	-0.25	7.64e-04	-2.59e-05	0.0
90	81	-0.03	8.52e-03	-0.32	-1.33e-03	-1.19e-04	0.0
90	82	-0.02	-0.02	-0.31	-3.01e-04	-8.87e-05	0.0
90	83	0.02	0.02	-0.26	-2.78e-04	-5.66e-05	0.0
90	84	0.03	-8.34e-03	-0.25	8.30e-04	-2.69e-05	0.0
90	85	-0.03	8.60e-03	-0.32	-1.40e-03	-1.18e-04	0.0
90	86	-0.02	-0.02	-0.31	-2.92e-04	-8.79e-05	0.0
90	87	0.02	0.02	-0.26	-2.40e-04	-5.68e-05	0.0
90	88	0.03	-8.68e-03	-0.25	7.92e-04	-2.68e-05	0.0
90	89	-0.03	8.94e-03	-0.32	-1.36e-03	-1.18e-04	0.0
90	90	-0.02	-0.02	-0.31	-3.30e-04	-8.78e-05	0.0
90	91	-4.19e-03	0.04	-0.30	-1.97e-03	-1.12e-04	0.0
90	92	0.02	-0.04	-0.25	1.72e-03	-1.34e-05	0.0
90	93	-0.02	0.04	-0.32	-2.29e-03	-1.31e-04	0.0
90	94	3.94e-03	-0.04	-0.27	1.40e-03	-3.22e-05	0.0
90	95	-4.30e-03	0.04	-0.30	-1.96e-03	-1.13e-04	0.0
90	96	0.02	-0.04	-0.25	1.73e-03	-1.37e-05	0.0
90	97	-0.02	0.04	-0.32	-2.30e-03	-1.31e-04	0.0
90	98	4.04e-03	-0.04	-0.27	1.39e-03	-3.20e-05	0.0

90	99	-4.75e-03	0.04	-0.30	-1.85e-03	-1.13e-04	0.0
90	100	0.02	-0.04	-0.25	1.60e-03	-1.29e-05	0.0
90	101	-0.02	0.04	-0.32	-2.17e-03	-1.32e-04	0.0
90	102	4.49e-03	-0.04	-0.27	1.28e-03	-3.17e-05	0.0
90	103	-4.86e-03	0.04	-0.30	-1.84e-03	-1.13e-04	0.0
90	104	0.02	-0.04	-0.25	1.60e-03	-1.32e-05	0.0
90	105	-0.02	0.04	-0.32	-2.17e-03	-1.31e-04	0.0
90	106	4.60e-03	-0.04	-0.27	1.27e-03	-3.15e-05	0.0
92	1	-2.90e-04	-7.97e-05	-0.29	-1.47e-04	3.14e-05	0.0
92	2	-3.98e-04	3.22e-04	-0.43	-4.53e-04	1.79e-04	0.0
92	3	-2.21e-04	-6.89e-05	-0.22	-1.07e-04	2.14e-05	0.0
92	4	-3.29e-04	3.33e-04	-0.36	-4.13e-04	1.69e-04	0.0
92	5	-2.22e-04	-6.46e-05	-0.22	-1.11e-04	2.30e-05	0.0
92	6	-2.94e-04	2.03e-04	-0.32	-3.14e-04	1.21e-04	0.0
92	7	-2.22e-04	-6.46e-05	-0.22	-1.11e-04	2.30e-05	0.0
92	8	-2.73e-04	1.23e-04	-0.29	-2.53e-04	9.19e-05	0.0
92	9	-2.22e-04	-6.46e-05	-0.22	-1.11e-04	2.30e-05	0.0
92	10	-2.65e-04	9.61e-05	-0.28	-2.33e-04	8.20e-05	0.0
92	11	0.03	0.01	-0.30	-9.15e-04	3.73e-04	0.0
92	12	0.04	-0.03	-0.24	9.48e-04	2.37e-05	0.0
92	13	-0.05	0.03	-0.32	-1.41e-03	1.40e-04	0.0
92	14	-0.03	-0.01	-0.26	4.49e-04	-2.09e-04	0.0
92	15	0.03	0.01	-0.30	-9.49e-04	3.84e-04	0.0
92	16	0.04	-0.03	-0.24	9.82e-04	1.24e-05	0.0
92	17	-0.05	0.03	-0.32	-1.45e-03	1.52e-04	0.0
92	18	-0.03	-0.01	-0.26	4.83e-04	-2.20e-04	0.0
92	19	0.03	0.03	-0.30	-1.35e-03	3.68e-04	0.0
92	20	0.04	-0.01	-0.24	5.16e-04	1.87e-05	0.0
92	21	-0.04	0.01	-0.31	-9.81e-04	1.45e-04	0.0
92	22	-0.03	-0.03	-0.26	8.81e-04	-2.04e-04	0.0
92	23	0.03	0.03	-0.30	-1.38e-03	3.79e-04	0.0
92	24	0.04	-0.01	-0.24	5.50e-04	7.39e-06	0.0
92	25	-0.04	0.01	-0.32	-1.02e-03	1.57e-04	0.0
92	26	-0.03	-0.03	-0.26	9.16e-04	-2.15e-04	0.0
92	27	-6.65e-03	0.06	-0.37	-3.26e-03	6.99e-04	0.0
92	28	0.03	-0.07	-0.19	2.95e-03	-4.65e-04	0.0
92	29	-0.03	0.07	-0.37	-3.41e-03	6.29e-04	0.0
92	30	6.12e-03	-0.06	-0.19	2.80e-03	-5.35e-04	0.0
92	31	-6.73e-03	0.07	-0.37	-3.39e-03	6.98e-04	0.0
92	32	0.03	-0.06	-0.19	2.82e-03	-4.67e-04	0.0
92	33	-0.03	0.06	-0.37	-3.28e-03	6.31e-04	0.0
92	34	6.20e-03	-0.07	-0.19	2.93e-03	-5.33e-04	0.0
92	35	-7.27e-03	0.07	-0.37	-3.38e-03	7.37e-04	0.0
92	36	0.03	-0.07	-0.18	3.06e-03	-5.03e-04	0.0
92	37	-0.03	0.07	-0.37	-3.53e-03	6.67e-04	0.0
92	38	6.74e-03	-0.07	-0.19	2.91e-03	-5.73e-04	0.0
92	39	-7.35e-03	0.07	-0.37	-3.51e-03	7.35e-04	0.0
92	40	0.03	-0.07	-0.18	2.93e-03	-5.04e-04	0.0
92	41	-0.03	0.07	-0.37	-3.40e-03	6.68e-04	0.0
92	42	6.82e-03	-0.07	-0.19	3.04e-03	-5.71e-04	0.0
92	43	0.03	9.39e-03	-0.29	-7.73e-04	3.13e-04	0.0
92	44	0.04	-0.02	-0.25	7.03e-04	3.57e-05	0.0
92	45	-0.04	0.02	-0.31	-1.17e-03	1.28e-04	0.0
92	46	-0.03	-9.20e-03	-0.27	3.08e-04	-1.48e-04	0.0
92	47	0.03	0.01	-0.29	-8.01e-04	3.22e-04	0.0
92	48	0.04	-0.02	-0.25	7.30e-04	2.67e-05	0.0
92	49	-0.04	0.02	-0.31	-1.20e-03	1.37e-04	0.0
92	50	-0.03	-0.01	-0.26	3.35e-04	-1.57e-04	0.0
92	51	0.03	0.02	-0.29	-1.12e-03	3.09e-04	0.0
92	52	0.03	-9.90e-03	-0.25	3.60e-04	3.18e-05	0.0
92	53	-0.04	0.01	-0.31	-8.26e-04	1.32e-04	0.0
92	54	-0.03	-0.02	-0.26	6.50e-04	-1.45e-04	0.0
92	55	0.03	0.02	-0.30	-1.14e-03	3.18e-04	0.0
92	56	0.03	-0.01	-0.25	3.88e-04	2.28e-05	0.0
92	57	-0.04	0.01	-0.31	-8.53e-04	1.41e-04	0.0
92	58	-0.03	-0.02	-0.26	6.78e-04	-1.53e-04	0.0
92	59	-5.28e-03	0.05	-0.35	-2.63e-03	5.71e-04	0.0
92	60	0.02	-0.05	-0.21	2.29e-03	-3.52e-04	0.0
92	61	-0.02	0.05	-0.35	-2.75e-03	5.16e-04	0.0
92	62	4.75e-03	-0.05	-0.21	2.17e-03	-4.07e-04	0.0
92	63	-5.37e-03	0.05	-0.35	-2.74e-03	5.70e-04	0.0
92	64	0.02	-0.05	-0.21	2.18e-03	-3.53e-04	0.0

92	65	-0.02	0.05	-0.35	-2.65e-03	5.17e-04	0.0
92	66	4.84e-03	-0.05	-0.21	2.27e-03	-4.06e-04	0.0
92	67	-5.78e-03	0.05	-0.35	-2.73e-03	6.01e-04	0.0
92	68	0.02	-0.06	-0.20	2.38e-03	-3.82e-04	0.0
92	69	-0.02	0.06	-0.36	-2.84e-03	5.46e-04	0.0
92	70	5.25e-03	-0.05	-0.21	2.26e-03	-4.37e-04	0.0
92	71	-5.86e-03	0.06	-0.35	-2.83e-03	6.00e-04	0.0
92	72	0.02	-0.05	-0.20	2.28e-03	-3.83e-04	0.0
92	73	-0.02	0.05	-0.35	-2.74e-03	5.47e-04	0.0
92	74	5.33e-03	-0.06	-0.21	2.36e-03	-4.36e-04	0.0
92	75	0.02	7.77e-03	-0.29	-6.80e-04	2.73e-04	0.0
92	76	0.03	-0.02	-0.26	5.41e-04	4.38e-05	0.0
92	77	-0.03	0.02	-0.30	-1.01e-03	1.20e-04	0.0
92	78	-0.02	-7.57e-03	-0.27	2.14e-04	-1.08e-04	0.0
92	79	0.02	8.63e-03	-0.29	-7.02e-04	2.80e-04	0.0
92	80	0.03	-0.02	-0.26	5.63e-04	3.63e-05	0.0
92	81	-0.03	0.02	-0.30	-1.03e-03	1.28e-04	0.0
92	82	-0.02	-8.43e-03	-0.27	2.36e-04	-1.16e-04	0.0
92	83	0.02	0.02	-0.29	-9.63e-04	2.69e-04	0.0
92	84	0.03	-8.15e-03	-0.26	2.57e-04	4.05e-05	0.0
92	85	-0.03	8.35e-03	-0.30	-7.23e-04	1.24e-04	0.0
92	86	-0.02	-0.02	-0.27	4.97e-04	-1.05e-04	0.0
92	87	0.02	0.02	-0.29	-9.85e-04	2.77e-04	0.0
92	88	0.03	-9.01e-03	-0.26	2.80e-04	3.31e-05	0.0
92	89	-0.03	9.21e-03	-0.30	-7.46e-04	1.31e-04	0.0
92	90	-0.02	-0.02	-0.27	5.20e-04	-1.13e-04	0.0
92	91	-4.41e-03	0.04	-0.34	-2.22e-03	4.86e-04	0.0
92	92	0.02	-0.04	-0.22	1.85e-03	-2.76e-04	0.0
92	93	-0.02	0.04	-0.34	-2.32e-03	4.40e-04	0.0
92	94	3.88e-03	-0.04	-0.22	1.75e-03	-3.22e-04	0.0
92	95	-4.48e-03	0.04	-0.34	-2.30e-03	4.85e-04	0.0
92	96	0.02	-0.04	-0.22	1.76e-03	-2.77e-04	0.0
92	97	-0.02	0.04	-0.34	-2.23e-03	4.41e-04	0.0
92	98	3.95e-03	-0.04	-0.22	1.84e-03	-3.21e-04	0.0
92	99	-4.82e-03	0.04	-0.34	-2.29e-03	5.11e-04	0.0
92	100	0.02	-0.05	-0.22	1.92e-03	-3.01e-04	0.0
92	101	-0.02	0.05	-0.34	-2.39e-03	4.65e-04	0.0
92	102	4.29e-03	-0.04	-0.22	1.83e-03	-3.47e-04	0.0
92	103	-4.89e-03	0.05	-0.34	-2.38e-03	5.10e-04	0.0
92	104	0.02	-0.04	-0.22	1.84e-03	-3.02e-04	0.0
92	105	-0.02	0.04	-0.34	-2.31e-03	4.66e-04	0.0
92	106	4.36e-03	-0.05	-0.22	1.91e-03	-3.46e-04	0.0
93	1	-1.71e-04	-1.30e-04	-0.28	-1.46e-04	3.23e-05	0.0
93	2	-3.66e-04	3.15e-04	-0.41	-4.50e-04	1.81e-04	0.0
93	3	-1.28e-04	-1.08e-04	-0.21	-1.06e-04	2.20e-05	0.0
93	4	-3.23e-04	3.36e-04	-0.34	-4.10e-04	1.70e-04	0.0
93	5	-1.30e-04	-1.03e-04	-0.22	-1.10e-04	2.36e-05	0.0
93	6	-2.60e-04	1.93e-04	-0.30	-3.12e-04	1.22e-04	0.0
93	7	-1.30e-04	-1.03e-04	-0.22	-1.10e-04	2.36e-05	0.0
93	8	-2.21e-04	1.04e-04	-0.27	-2.52e-04	9.28e-05	0.0
93	9	-1.30e-04	-1.03e-04	-0.22	-1.10e-04	2.36e-05	0.0
93	10	-2.08e-04	7.43e-05	-0.27	-2.31e-04	8.29e-05	0.0
93	11	0.03	0.01	-0.23	-9.13e-04	3.76e-04	0.0
93	12	0.04	-0.03	-0.27	9.47e-04	2.44e-05	0.0
93	13	-0.05	0.03	-0.26	-1.41e-03	1.41e-04	0.0
93	14	-0.03	-0.01	-0.31	4.50e-04	-2.11e-04	0.0
93	15	0.03	0.01	-0.22	-9.47e-04	3.88e-04	0.0
93	16	0.04	-0.03	-0.28	9.81e-04	1.29e-05	0.0
93	17	-0.05	0.03	-0.26	-1.44e-03	1.53e-04	0.0
93	18	-0.03	-0.01	-0.31	4.84e-04	-2.22e-04	0.0
93	19	0.03	0.03	-0.23	-1.34e-03	3.72e-04	0.0
93	20	0.04	-0.01	-0.27	5.17e-04	1.95e-05	0.0
93	21	-0.04	0.01	-0.26	-9.79e-04	1.46e-04	0.0
93	22	-0.03	-0.03	-0.31	8.80e-04	-2.06e-04	0.0
93	23	0.03	0.03	-0.22	-1.38e-03	3.83e-04	0.0
93	24	0.04	-0.01	-0.28	5.51e-04	8.01e-06	0.0
93	25	-0.04	0.01	-0.26	-1.01e-03	1.58e-04	0.0
93	26	-0.03	-0.03	-0.31	9.15e-04	-2.17e-04	0.0
93	27	-6.69e-03	0.06	-0.18	-3.26e-03	7.05e-04	0.0
93	28	0.03	-0.07	-0.34	2.94e-03	-4.68e-04	0.0
93	29	-0.03	0.07	-0.19	-3.41e-03	6.34e-04	0.0
93	30	6.27e-03	-0.06	-0.35	2.79e-03	-5.39e-04	0.0

93	31	-6.82e-03	0.07	-0.18	-3.39e-03	7.03e-04	0.0
93	32	0.03	-0.06	-0.34	2.81e-03	-4.70e-04	0.0
93	33	-0.03	0.06	-0.19	-3.28e-03	6.36e-04	0.0
93	34	6.40e-03	-0.07	-0.35	2.92e-03	-5.37e-04	0.0
93	35	-7.51e-03	0.07	-0.18	-3.37e-03	7.43e-04	0.0
93	36	0.03	-0.07	-0.35	3.06e-03	-5.07e-04	0.0
93	37	-0.03	0.07	-0.19	-3.52e-03	6.73e-04	0.0
93	38	7.09e-03	-0.07	-0.36	2.91e-03	-5.77e-04	0.0
93	39	-7.64e-03	0.07	-0.18	-3.50e-03	7.42e-04	0.0
93	40	0.03	-0.07	-0.35	2.93e-03	-5.08e-04	0.0
93	41	-0.03	0.07	-0.18	-3.39e-03	6.74e-04	0.0
93	42	7.22e-03	-0.07	-0.36	3.04e-03	-5.76e-04	0.0
93	43	0.03	8.84e-03	-0.23	-7.71e-04	3.15e-04	0.0
93	44	0.04	-0.02	-0.27	7.03e-04	3.65e-05	0.0
93	45	-0.04	0.02	-0.26	-1.17e-03	1.29e-04	0.0
93	46	-0.03	-8.69e-03	-0.30	3.09e-04	-1.50e-04	0.0
93	47	0.03	9.92e-03	-0.23	-7.99e-04	3.25e-04	0.0
93	48	0.04	-0.02	-0.27	7.30e-04	2.74e-05	0.0
93	49	-0.04	0.02	-0.26	-1.19e-03	1.38e-04	0.0
93	50	-0.03	-9.77e-03	-0.30	3.36e-04	-1.59e-04	0.0
93	51	0.03	0.02	-0.23	-1.11e-03	3.12e-04	0.0
93	52	0.03	-9.33e-03	-0.27	3.62e-04	3.26e-05	0.0
93	53	-0.04	9.48e-03	-0.26	-8.24e-04	1.33e-04	0.0
93	54	-0.03	-0.02	-0.30	6.50e-04	-1.46e-04	0.0
93	55	0.03	0.02	-0.23	-1.14e-03	3.21e-04	0.0
93	56	0.03	-0.01	-0.27	3.89e-04	2.35e-05	0.0
93	57	-0.04	0.01	-0.26	-8.51e-04	1.42e-04	0.0
93	58	-0.03	-0.02	-0.30	6.77e-04	-1.55e-04	0.0
93	59	-5.29e-03	0.05	-0.20	-2.63e-03	5.76e-04	0.0
93	60	0.02	-0.05	-0.33	2.28e-03	-3.54e-04	0.0
93	61	-0.02	0.05	-0.21	-2.75e-03	5.20e-04	0.0
93	62	4.88e-03	-0.05	-0.33	2.17e-03	-4.10e-04	0.0
93	63	-5.42e-03	0.05	-0.20	-2.73e-03	5.75e-04	0.0
93	64	0.02	-0.05	-0.33	2.18e-03	-3.55e-04	0.0
93	65	-0.02	0.05	-0.21	-2.65e-03	5.21e-04	0.0
93	66	5.00e-03	-0.05	-0.33	2.27e-03	-4.09e-04	0.0
93	67	-5.94e-03	0.05	-0.19	-2.72e-03	6.06e-04	0.0
93	68	0.02	-0.06	-0.33	2.38e-03	-3.85e-04	0.0
93	69	-0.02	0.06	-0.20	-2.84e-03	5.50e-04	0.0
93	70	5.53e-03	-0.05	-0.34	2.26e-03	-4.40e-04	0.0
93	71	-6.07e-03	0.06	-0.19	-2.82e-03	6.05e-04	0.0
93	72	0.02	-0.05	-0.33	2.27e-03	-3.86e-04	0.0
93	73	-0.02	0.05	-0.20	-2.74e-03	5.52e-04	0.0
93	74	5.65e-03	-0.06	-0.34	2.36e-03	-4.39e-04	0.0
93	75	0.02	7.30e-03	-0.24	-6.78e-04	2.75e-04	0.0
93	76	0.03	-0.02	-0.27	5.41e-04	4.45e-05	0.0
93	77	-0.03	0.02	-0.26	-1.00e-03	1.21e-04	0.0
93	78	-0.02	-7.16e-03	-0.29	2.15e-04	-1.09e-04	0.0
93	79	0.02	8.20e-03	-0.24	-7.00e-04	2.83e-04	0.0
93	80	0.03	-0.02	-0.27	5.63e-04	3.70e-05	0.0
93	81	-0.03	0.02	-0.26	-1.03e-03	1.29e-04	0.0
93	82	-0.02	-8.05e-03	-0.29	2.37e-04	-1.17e-04	0.0
93	83	0.02	0.02	-0.24	-9.60e-04	2.72e-04	0.0
93	84	0.03	-7.69e-03	-0.27	2.59e-04	4.13e-05	0.0
93	85	-0.03	7.84e-03	-0.26	-7.21e-04	1.25e-04	0.0
93	86	-0.02	-0.02	-0.29	4.97e-04	-1.06e-04	0.0
93	87	0.02	0.02	-0.24	-9.82e-04	2.79e-04	0.0
93	88	0.03	-8.59e-03	-0.27	2.81e-04	3.38e-05	0.0
93	89	-0.03	8.74e-03	-0.26	-7.44e-04	1.32e-04	0.0
93	90	-0.02	-0.02	-0.29	5.19e-04	-1.14e-04	0.0
93	91	-4.41e-03	0.04	-0.21	-2.21e-03	4.90e-04	0.0
93	92	0.02	-0.04	-0.32	1.85e-03	-2.78e-04	0.0
93	93	-0.02	0.05	-0.22	-2.31e-03	4.44e-04	0.0
93	94	3.99e-03	-0.04	-0.32	1.75e-03	-3.24e-04	0.0
93	95	-4.51e-03	0.04	-0.21	-2.30e-03	4.89e-04	0.0
93	96	0.02	-0.04	-0.32	1.76e-03	-2.79e-04	0.0
93	97	-0.02	0.04	-0.22	-2.23e-03	4.45e-04	0.0
93	98	4.10e-03	-0.04	-0.32	1.83e-03	-3.23e-04	0.0
93	99	-4.95e-03	0.04	-0.21	-2.29e-03	5.15e-04	0.0
93	100	0.02	-0.05	-0.32	1.92e-03	-3.03e-04	0.0
93	101	-0.02	0.05	-0.21	-2.39e-03	4.69e-04	0.0
93	102	4.53e-03	-0.04	-0.32	1.82e-03	-3.50e-04	0.0

93	103	-5.05e-03	0.05	-0.21	-2.37e-03	5.14e-04	0.0
93	104	0.02	-0.04	-0.32	1.84e-03	-3.04e-04	0.0
93	105	-0.02	0.04	-0.21	-2.30e-03	4.70e-04	0.0
93	106	4.64e-03	-0.05	-0.32	1.91e-03	-3.49e-04	0.0
94	1	-4.39e-04	-6.00e-04	-0.28	-2.49e-04	-1.09e-05	0.0
94	2	-6.79e-04	-2.03e-04	-0.38	-5.33e-04	6.32e-05	0.0
94	3	-3.34e-04	-4.69e-04	-0.22	-1.86e-04	-9.82e-06	0.0
94	4	-5.73e-04	-7.20e-05	-0.31	-4.70e-04	6.43e-05	0.0
94	5	-3.36e-04	-4.65e-04	-0.22	-1.89e-04	-9.03e-06	0.0
94	6	-4.96e-04	-2.00e-04	-0.28	-3.79e-04	4.04e-05	0.0
94	7	-3.36e-04	-4.65e-04	-0.22	-1.89e-04	-9.03e-06	0.0
94	8	-4.48e-04	-2.79e-04	-0.26	-3.22e-04	2.56e-05	0.0
94	9	-3.36e-04	-4.65e-04	-0.22	-1.89e-04	-9.03e-06	0.0
94	10	-4.32e-04	-3.06e-04	-0.26	-3.03e-04	2.06e-05	0.0
94	11	0.03	4.99e-03	-0.21	-1.94e-03	7.77e-04	0.0
94	12	0.04	-0.03	-0.24	2.58e-04	1.57e-04	0.0
94	13	-0.04	0.03	-0.27	-8.64e-04	-1.16e-04	0.0
94	14	-0.03	-5.60e-03	-0.30	1.34e-03	-7.35e-04	0.0
94	15	0.03	6.77e-03	-0.21	-2.02e-03	8.14e-04	0.0
94	16	0.04	-0.04	-0.24	3.30e-04	1.20e-04	0.0
94	17	-0.04	0.04	-0.27	-9.36e-04	-7.83e-05	0.0
94	18	-0.03	-7.38e-03	-0.30	1.41e-03	-7.73e-04	0.0
94	19	0.03	5.45e-03	-0.21	-1.92e-03	8.00e-04	0.0
94	20	0.04	-0.03	-0.24	2.81e-04	1.81e-04	0.0
94	21	-0.04	0.03	-0.28	-8.86e-04	-1.39e-04	0.0
94	22	-0.03	-6.06e-03	-0.30	1.32e-03	-7.59e-04	0.0
94	23	0.03	7.23e-03	-0.21	-1.99e-03	8.38e-04	0.0
94	24	0.04	-0.04	-0.24	3.53e-04	1.43e-04	0.0
94	25	-0.04	0.03	-0.27	-9.58e-04	-1.02e-04	0.0
94	26	-0.03	-7.85e-03	-0.31	1.39e-03	-7.96e-04	0.0
94	27	-7.09e-03	0.06	-0.20	-4.14e-03	1.19e-03	0.0
94	28	0.03	-0.07	-0.29	3.21e-03	-8.78e-04	0.0
94	29	-0.03	0.07	-0.22	-3.81e-03	9.19e-04	0.0
94	30	6.23e-03	-0.06	-0.31	3.53e-03	-1.15e-03	0.0
94	31	-7.13e-03	0.06	-0.20	-4.13e-03	1.19e-03	0.0
94	32	0.03	-0.07	-0.29	3.21e-03	-8.71e-04	0.0
94	33	-0.03	0.07	-0.22	-3.82e-03	9.12e-04	0.0
94	34	6.27e-03	-0.06	-0.31	3.52e-03	-1.15e-03	0.0
94	35	-7.50e-03	0.07	-0.19	-4.38e-03	1.31e-03	0.0
94	36	0.03	-0.08	-0.30	3.45e-03	-1.00e-03	0.0
94	37	-0.03	0.08	-0.21	-4.05e-03	1.04e-03	0.0
94	38	6.64e-03	-0.07	-0.32	3.77e-03	-1.27e-03	0.0
94	39	-7.55e-03	0.07	-0.19	-4.37e-03	1.32e-03	0.0
94	40	0.03	-0.08	-0.30	3.45e-03	-9.96e-04	0.0
94	41	-0.03	0.08	-0.21	-4.06e-03	1.04e-03	0.0
94	42	6.68e-03	-0.07	-0.32	3.76e-03	-1.28e-03	0.0
94	43	0.03	3.97e-03	-0.22	-1.60e-03	6.20e-04	0.0
94	44	0.03	-0.03	-0.24	1.42e-04	1.29e-04	0.0
94	45	-0.04	0.03	-0.27	-7.48e-04	-8.75e-05	0.0
94	46	-0.03	-4.58e-03	-0.29	9.98e-04	-5.79e-04	0.0
94	47	0.03	5.38e-03	-0.22	-1.66e-03	6.50e-04	0.0
94	48	0.03	-0.03	-0.24	1.99e-04	9.90e-05	0.0
94	49	-0.04	0.03	-0.27	-8.05e-04	-5.77e-05	0.0
94	50	-0.03	-5.99e-03	-0.29	1.06e-03	-6.08e-04	0.0
94	51	0.03	4.36e-03	-0.22	-1.59e-03	6.38e-04	0.0
94	52	0.03	-0.03	-0.24	1.60e-04	1.47e-04	0.0
94	53	-0.04	0.03	-0.27	-7.66e-04	-1.06e-04	0.0
94	54	-0.03	-4.97e-03	-0.29	9.80e-04	-5.97e-04	0.0
94	55	0.03	5.77e-03	-0.22	-1.64e-03	6.68e-04	0.0
94	56	0.03	-0.03	-0.24	2.17e-04	1.18e-04	0.0
94	57	-0.04	0.03	-0.27	-8.23e-04	-7.63e-05	0.0
94	58	-0.03	-6.38e-03	-0.30	1.04e-03	-6.27e-04	0.0
94	59	-5.68e-03	0.05	-0.21	-3.34e-03	9.45e-04	0.0
94	60	0.02	-0.06	-0.28	2.48e-03	-6.92e-04	0.0
94	61	-0.02	0.05	-0.23	-3.08e-03	7.33e-04	0.0
94	62	4.81e-03	-0.05	-0.30	2.74e-03	-9.04e-04	0.0
94	63	-5.72e-03	0.05	-0.21	-3.34e-03	9.51e-04	0.0
94	64	0.02	-0.06	-0.28	2.48e-03	-6.86e-04	0.0
94	65	-0.02	0.05	-0.23	-3.09e-03	7.27e-04	0.0
94	66	4.86e-03	-0.05	-0.30	2.73e-03	-9.10e-04	0.0
94	67	-6.01e-03	0.05	-0.20	-3.53e-03	1.04e-03	0.0
94	68	0.02	-0.06	-0.29	2.67e-03	-7.91e-04	0.0

94	69	-0.02	0.06	-0.22	-3.27e-03	8.32e-04	0.0
94	70	5.14e-03	-0.05	-0.31	2.93e-03	-1.00e-03	0.0
94	71	-6.05e-03	0.05	-0.20	-3.53e-03	1.05e-03	0.0
94	72	0.02	-0.06	-0.29	2.67e-03	-7.85e-04	0.0
94	73	-0.02	0.06	-0.22	-3.28e-03	8.27e-04	0.0
94	74	5.19e-03	-0.05	-0.31	2.92e-03	-1.01e-03	0.0
94	75	0.02	3.20e-03	-0.23	-1.38e-03	5.16e-04	0.0
94	76	0.03	-0.02	-0.24	6.47e-05	1.10e-04	0.0
94	77	-0.03	0.02	-0.27	-6.70e-04	-6.87e-05	0.0
94	78	-0.02	-3.81e-03	-0.29	7.72e-04	-4.75e-04	0.0
94	79	0.02	4.37e-03	-0.22	-1.43e-03	5.40e-04	0.0
94	80	0.03	-0.02	-0.25	1.12e-04	8.54e-05	0.0
94	81	-0.03	0.02	-0.27	-7.18e-04	-4.41e-05	0.0
94	82	-0.02	-4.98e-03	-0.29	8.20e-04	-4.99e-04	0.0
94	83	0.02	3.53e-03	-0.22	-1.36e-03	5.31e-04	0.0
94	84	0.03	-0.02	-0.24	7.97e-05	1.25e-04	0.0
94	85	-0.03	0.02	-0.27	-6.85e-04	-8.41e-05	0.0
94	86	-0.02	-4.14e-03	-0.29	7.57e-04	-4.90e-04	0.0
94	87	0.02	4.70e-03	-0.22	-1.41e-03	5.56e-04	0.0
94	88	0.03	-0.02	-0.24	1.27e-04	1.01e-04	0.0
94	89	-0.03	0.02	-0.27	-7.33e-04	-5.95e-05	0.0
94	90	-0.02	-5.31e-03	-0.29	8.05e-04	-5.14e-04	0.0
94	91	-4.76e-03	0.04	-0.22	-2.81e-03	7.85e-04	0.0
94	92	0.02	-0.05	-0.28	2.00e-03	-5.68e-04	0.0
94	93	-0.02	0.05	-0.23	-2.60e-03	6.09e-04	0.0
94	94	3.90e-03	-0.04	-0.29	2.21e-03	-7.43e-04	0.0
94	95	-4.80e-03	0.04	-0.22	-2.81e-03	7.89e-04	0.0
94	96	0.02	-0.05	-0.28	2.00e-03	-5.63e-04	0.0
94	97	-0.02	0.05	-0.23	-2.61e-03	6.05e-04	0.0
94	98	3.94e-03	-0.04	-0.29	2.20e-03	-7.48e-04	0.0
94	99	-5.04e-03	0.04	-0.21	-2.97e-03	8.67e-04	0.0
94	100	0.02	-0.05	-0.29	2.15e-03	-6.50e-04	0.0
94	101	-0.02	0.05	-0.23	-2.76e-03	6.91e-04	0.0
94	102	4.17e-03	-0.04	-0.30	2.37e-03	-8.25e-04	0.0
94	103	-5.08e-03	0.04	-0.21	-2.97e-03	8.71e-04	0.0
94	104	0.02	-0.05	-0.28	2.16e-03	-6.45e-04	0.0
94	105	-0.02	0.05	-0.23	-2.76e-03	6.87e-04	0.0
94	106	4.21e-03	-0.04	-0.30	2.36e-03	-8.30e-04	0.0
100	1	-6.54e-04	-3.67e-04	-0.30	-2.49e-04	-1.09e-05	0.0
100	2	-9.86e-04	1.32e-04	-0.42	-5.31e-04	6.42e-05	0.0
100	3	-4.97e-04	-2.92e-04	-0.23	-1.86e-04	-9.82e-06	0.0
100	4	-8.29e-04	2.08e-04	-0.35	-4.68e-04	6.53e-05	0.0
100	5	-5.01e-04	-2.87e-04	-0.23	-1.89e-04	-9.02e-06	0.0
100	6	-7.22e-04	4.64e-05	-0.31	-3.77e-04	4.10e-05	0.0
100	7	-5.01e-04	-2.87e-04	-0.23	-1.89e-04	-9.02e-06	0.0
100	8	-6.55e-04	-5.35e-05	-0.29	-3.21e-04	2.60e-05	0.0
100	9	-5.01e-04	-2.87e-04	-0.23	-1.89e-04	-9.02e-06	0.0
100	10	-6.33e-04	-8.68e-05	-0.28	-3.02e-04	2.10e-05	0.0
100	11	0.03	8.02e-03	-0.40	-1.95e-03	7.74e-04	0.0
100	12	0.04	-0.03	-0.23	2.56e-04	1.56e-04	0.0
100	13	-0.04	0.03	-0.32	-8.60e-04	-1.14e-04	0.0
100	14	-0.03	-8.20e-03	-0.15	1.34e-03	-7.32e-04	0.0
100	15	0.03	9.61e-03	-0.41	-2.02e-03	8.11e-04	0.0
100	16	0.04	-0.03	-0.23	3.28e-04	1.19e-04	0.0
100	17	-0.04	0.03	-0.33	-9.32e-04	-7.66e-05	0.0
100	18	-0.03	-9.79e-03	-0.15	1.41e-03	-7.69e-04	0.0
100	19	0.03	8.62e-03	-0.40	-1.92e-03	7.97e-04	0.0
100	20	0.04	-0.03	-0.23	2.78e-04	1.79e-04	0.0
100	21	-0.04	0.03	-0.33	-8.83e-04	-1.37e-04	0.0
100	22	-0.03	-8.79e-03	-0.15	1.32e-03	-7.55e-04	0.0
100	23	0.03	0.01	-0.41	-2.00e-03	8.35e-04	0.0
100	24	0.04	-0.03	-0.22	3.50e-04	1.42e-04	0.0
100	25	-0.05	0.03	-0.33	-9.55e-04	-9.99e-05	0.0
100	26	-0.03	-0.01	-0.15	1.39e-03	-7.93e-04	0.0
100	27	-7.69e-03	0.06	-0.58	-4.13e-03	1.18e-03	0.0
100	28	0.03	-0.07	-4.11e-03	3.20e-03	-8.76e-04	0.0
100	29	-0.03	0.07	-0.55	-3.81e-03	9.18e-04	0.0
100	30	6.43e-03	-0.06	0.02	3.53e-03	-1.14e-03	0.0
100	31	-7.66e-03	0.06	-0.57	-4.13e-03	1.19e-03	0.0
100	32	0.03	-0.07	-3.59e-03	3.21e-03	-8.69e-04	0.0
100	33	-0.03	0.07	-0.55	-3.82e-03	9.11e-04	0.0
100	34	6.40e-03	-0.06	0.02	3.52e-03	-1.15e-03	0.0

100	35	-7.79e-03	0.07	-0.59	-4.37e-03	1.31e-03	0.0
100	36	0.03	-0.07	0.01	3.44e-03	-1.00e-03	0.0
100	37	-0.03	0.07	-0.57	-4.05e-03	1.04e-03	0.0
100	38	6.52e-03	-0.07	0.04	3.77e-03	-1.27e-03	0.0
100	39	-7.76e-03	0.07	-0.59	-4.37e-03	1.32e-03	0.0
100	40	0.03	-0.07	0.01	3.45e-03	-9.93e-04	0.0
100	41	-0.03	0.07	-0.57	-4.06e-03	1.04e-03	0.0
100	42	6.49e-03	-0.07	0.04	3.76e-03	-1.27e-03	0.0
100	43	0.03	6.40e-03	-0.38	-1.60e-03	6.18e-04	0.0
100	44	0.03	-0.02	-0.24	1.41e-04	1.28e-04	0.0
100	45	-0.04	0.02	-0.31	-7.45e-04	-8.59e-05	0.0
100	46	-0.03	-6.57e-03	-0.18	1.00e-03	-5.76e-04	0.0
100	47	0.03	7.66e-03	-0.38	-1.66e-03	6.47e-04	0.0
100	48	0.03	-0.03	-0.24	1.98e-04	9.84e-05	0.0
100	49	-0.04	0.03	-0.32	-8.02e-04	-5.64e-05	0.0
100	50	-0.03	-7.84e-03	-0.17	1.06e-03	-6.05e-04	0.0
100	51	0.03	6.89e-03	-0.38	-1.59e-03	6.36e-04	0.0
100	52	0.03	-0.02	-0.24	1.58e-04	1.46e-04	0.0
100	53	-0.04	0.02	-0.32	-7.63e-04	-1.04e-04	0.0
100	54	-0.03	-7.06e-03	-0.18	9.82e-04	-5.94e-04	0.0
100	55	0.03	8.15e-03	-0.38	-1.64e-03	6.66e-04	0.0
100	56	0.03	-0.03	-0.24	2.16e-04	1.17e-04	0.0
100	57	-0.04	0.03	-0.32	-8.20e-04	-7.48e-05	0.0
100	58	-0.03	-8.32e-03	-0.18	1.04e-03	-6.24e-04	0.0
100	59	-6.21e-03	0.05	-0.51	-3.34e-03	9.43e-04	0.0
100	60	0.02	-0.06	-0.06	2.48e-03	-6.90e-04	0.0
100	61	-0.02	0.05	-0.50	-3.08e-03	7.32e-04	0.0
100	62	4.94e-03	-0.05	-0.04	2.74e-03	-9.01e-04	0.0
100	63	-6.19e-03	0.05	-0.51	-3.33e-03	9.49e-04	0.0
100	64	0.02	-0.05	-0.06	2.48e-03	-6.84e-04	0.0
100	65	-0.02	0.05	-0.50	-3.09e-03	7.26e-04	0.0
100	66	4.93e-03	-0.05	-0.04	2.73e-03	-9.07e-04	0.0
100	67	-6.29e-03	0.05	-0.53	-3.53e-03	1.04e-03	0.0
100	68	0.02	-0.06	-0.05	2.67e-03	-7.88e-04	0.0
100	69	-0.02	0.06	-0.51	-3.27e-03	8.31e-04	0.0
100	70	5.02e-03	-0.05	-0.03	2.93e-03	-1.00e-03	0.0
100	71	-6.27e-03	0.05	-0.53	-3.53e-03	1.05e-03	0.0
100	72	0.02	-0.06	-0.05	2.67e-03	-7.83e-04	0.0
100	73	-0.02	0.06	-0.51	-3.28e-03	8.25e-04	0.0
100	74	5.01e-03	-0.05	-0.03	2.92e-03	-1.01e-03	0.0
100	75	0.02	5.26e-03	-0.36	-1.38e-03	5.14e-04	0.0
100	76	0.03	-0.02	-0.25	6.36e-05	1.09e-04	0.0
100	77	-0.03	0.02	-0.31	-6.68e-04	-6.74e-05	0.0
100	78	-0.02	-5.43e-03	-0.20	7.74e-04	-4.72e-04	0.0
100	79	0.02	6.30e-03	-0.36	-1.43e-03	5.39e-04	0.0
100	80	0.03	-0.02	-0.24	1.11e-04	8.50e-05	0.0
100	81	-0.03	0.02	-0.31	-7.15e-04	-4.29e-05	0.0
100	82	-0.02	-6.47e-03	-0.19	8.21e-04	-4.97e-04	0.0
100	83	0.02	5.66e-03	-0.36	-1.36e-03	5.30e-04	0.0
100	84	0.03	-0.02	-0.25	7.83e-05	1.25e-04	0.0
100	85	-0.03	0.02	-0.31	-6.83e-04	-8.26e-05	0.0
100	86	-0.02	-5.84e-03	-0.20	7.59e-04	-4.87e-04	0.0
100	87	0.02	6.71e-03	-0.36	-1.41e-03	5.54e-04	0.0
100	88	0.03	-0.02	-0.24	1.26e-04	1.00e-04	0.0
100	89	-0.03	0.02	-0.31	-7.30e-04	-5.82e-05	0.0
100	90	-0.02	-6.88e-03	-0.19	8.07e-04	-5.12e-04	0.0
100	91	-5.24e-03	0.04	-0.47	-2.81e-03	7.83e-04	0.0
100	92	0.02	-0.05	-0.10	1.99e-03	-5.66e-04	0.0
100	93	-0.02	0.05	-0.46	-2.60e-03	6.09e-04	0.0
100	94	3.97e-03	-0.04	-0.08	2.21e-03	-7.41e-04	0.0
100	95	-5.23e-03	0.04	-0.47	-2.81e-03	7.88e-04	0.0
100	96	0.02	-0.05	-0.10	2.00e-03	-5.62e-04	0.0
100	97	-0.02	0.05	-0.46	-2.60e-03	6.04e-04	0.0
100	98	3.96e-03	-0.04	-0.08	2.20e-03	-7.46e-04	0.0
100	99	-5.30e-03	0.04	-0.48	-2.97e-03	8.64e-04	0.0
100	100	0.02	-0.05	-0.09	2.15e-03	-6.48e-04	0.0
100	101	-0.02	0.05	-0.47	-2.76e-03	6.90e-04	0.0
100	102	4.04e-03	-0.04	-0.07	2.37e-03	-8.22e-04	0.0
100	103	-5.29e-03	0.04	-0.48	-2.97e-03	8.69e-04	0.0
100	104	0.02	-0.05	-0.09	2.16e-03	-6.43e-04	0.0
100	105	-0.02	0.05	-0.47	-2.76e-03	6.85e-04	0.0
100	106	4.03e-03	-0.04	-0.07	2.36e-03	-8.27e-04	0.0

101	1	-6.62e-04	-5.93e-04	-0.30	-2.49e-04	-1.07e-05	0.0
101	2	-1.00e-03	-1.93e-04	-0.42	-5.32e-04	6.37e-05	0.0
101	3	-5.03e-04	-4.64e-04	-0.23	-1.86e-04	-9.65e-06	0.0
101	4	-8.42e-04	-6.37e-05	-0.34	-4.69e-04	6.47e-05	0.0
101	5	-5.06e-04	-4.60e-04	-0.23	-1.89e-04	-8.85e-06	0.0
101	6	-7.32e-04	-1.93e-04	-0.31	-3.78e-04	4.07e-05	0.0
101	7	-5.06e-04	-4.60e-04	-0.23	-1.89e-04	-8.85e-06	0.0
101	8	-6.65e-04	-2.73e-04	-0.28	-3.21e-04	2.59e-05	0.0
101	9	-5.06e-04	-4.60e-04	-0.23	-1.89e-04	-8.85e-06	0.0
101	10	-6.42e-04	-3.00e-04	-0.28	-3.02e-04	2.09e-05	0.0
101	11	0.03	5.07e-03	-0.33	-1.95e-03	7.76e-04	0.0
101	12	0.04	-0.03	-0.19	2.58e-04	1.57e-04	0.0
101	13	-0.04	0.03	-0.36	-8.62e-04	-1.16e-04	0.0
101	14	-0.03	-5.67e-03	-0.23	1.34e-03	-7.34e-04	0.0
101	15	0.03	6.85e-03	-0.33	-2.02e-03	8.14e-04	0.0
101	16	0.04	-0.04	-0.19	3.30e-04	1.20e-04	0.0
101	17	-0.04	0.04	-0.36	-9.34e-04	-7.81e-05	0.0
101	18	-0.03	-7.45e-03	-0.23	1.41e-03	-7.72e-04	0.0
101	19	0.03	5.54e-03	-0.33	-1.92e-03	8.00e-04	0.0
101	20	0.04	-0.03	-0.20	2.80e-04	1.81e-04	0.0
101	21	-0.05	0.03	-0.36	-8.85e-04	-1.39e-04	0.0
101	22	-0.03	-6.14e-03	-0.22	1.32e-03	-7.58e-04	0.0
101	23	0.03	7.32e-03	-0.33	-2.00e-03	8.37e-04	0.0
101	24	0.04	-0.04	-0.20	3.52e-04	1.43e-04	0.0
101	25	-0.05	0.03	-0.36	-9.57e-04	-1.02e-04	0.0
101	26	-0.03	-7.92e-03	-0.22	1.39e-03	-7.95e-04	0.0
101	27	-7.72e-03	0.06	-0.49	-4.14e-03	1.19e-03	0.0
101	28	0.03	-0.07	-0.05	3.21e-03	-8.77e-04	0.0
101	29	-0.03	0.07	-0.50	-3.81e-03	9.19e-04	0.0
101	30	6.44e-03	-0.06	-0.06	3.53e-03	-1.14e-03	0.0
101	31	-7.69e-03	0.06	-0.49	-4.13e-03	1.19e-03	0.0
101	32	0.03	-0.07	-0.05	3.21e-03	-8.70e-04	0.0
101	33	-0.03	0.07	-0.50	-3.82e-03	9.12e-04	0.0
101	34	6.41e-03	-0.06	-0.06	3.53e-03	-1.15e-03	0.0
101	35	-7.81e-03	0.07	-0.50	-4.38e-03	1.31e-03	0.0
101	36	0.03	-0.08	-0.04	3.45e-03	-1.00e-03	0.0
101	37	-0.03	0.08	-0.51	-4.05e-03	1.04e-03	0.0
101	38	6.53e-03	-0.07	-0.05	3.77e-03	-1.27e-03	0.0
101	39	-7.78e-03	0.07	-0.50	-4.37e-03	1.32e-03	0.0
101	40	0.03	-0.08	-0.04	3.45e-03	-9.95e-04	0.0
101	41	-0.03	0.08	-0.51	-4.06e-03	1.04e-03	0.0
101	42	6.49e-03	-0.07	-0.05	3.77e-03	-1.28e-03	0.0
101	43	0.03	4.04e-03	-0.32	-1.60e-03	6.20e-04	0.0
101	44	0.03	-0.03	-0.21	1.42e-04	1.29e-04	0.0
101	45	-0.04	0.03	-0.34	-7.46e-04	-8.72e-05	0.0
101	46	-0.03	-4.64e-03	-0.24	1.00e-03	-5.78e-04	0.0
101	47	0.03	5.45e-03	-0.32	-1.66e-03	6.49e-04	0.0
101	48	0.03	-0.03	-0.21	1.99e-04	9.93e-05	0.0
101	49	-0.04	0.03	-0.35	-8.04e-04	-5.75e-05	0.0
101	50	-0.03	-6.04e-03	-0.24	1.06e-03	-6.07e-04	0.0
101	51	0.03	4.43e-03	-0.32	-1.59e-03	6.38e-04	0.0
101	52	0.03	-0.03	-0.21	1.60e-04	1.48e-04	0.0
101	53	-0.04	0.03	-0.34	-7.65e-04	-1.06e-04	0.0
101	54	-0.03	-5.03e-03	-0.24	9.82e-04	-5.96e-04	0.0
101	55	0.03	5.84e-03	-0.32	-1.64e-03	6.68e-04	0.0
101	56	0.03	-0.03	-0.21	2.17e-04	1.18e-04	0.0
101	57	-0.04	0.03	-0.34	-8.22e-04	-7.61e-05	0.0
101	58	-0.03	-6.44e-03	-0.23	1.04e-03	-6.26e-04	0.0
101	59	-6.23e-03	0.05	-0.45	-3.34e-03	9.45e-04	0.0
101	60	0.02	-0.06	-0.10	2.48e-03	-6.91e-04	0.0
101	61	-0.02	0.05	-0.46	-3.08e-03	7.32e-04	0.0
101	62	4.95e-03	-0.05	-0.11	2.74e-03	-9.03e-04	0.0
101	63	-6.22e-03	0.05	-0.45	-3.34e-03	9.50e-04	0.0
101	64	0.02	-0.06	-0.10	2.49e-03	-6.85e-04	0.0
101	65	-0.02	0.05	-0.45	-3.09e-03	7.27e-04	0.0
101	66	4.93e-03	-0.05	-0.11	2.73e-03	-9.08e-04	0.0
101	67	-6.30e-03	0.05	-0.45	-3.53e-03	1.04e-03	0.0
101	68	0.02	-0.06	-0.09	2.67e-03	-7.90e-04	0.0
101	69	-0.02	0.06	-0.46	-3.27e-03	8.31e-04	0.0
101	70	5.02e-03	-0.05	-0.10	2.93e-03	-1.00e-03	0.0
101	71	-6.29e-03	0.05	-0.46	-3.53e-03	1.05e-03	0.0
101	72	0.02	-0.06	-0.09	2.68e-03	-7.84e-04	0.0

101	73	-0.02	0.06	-0.46	-3.28e-03	8.26e-04	0.0
101	74	5.01e-03	-0.05	-0.10	2.92e-03	-1.01e-03	0.0
101	75	0.02	3.26e-03	-0.31	-1.38e-03	5.16e-04	0.0
101	76	0.03	-0.02	-0.22	6.47e-05	1.10e-04	0.0
101	77	-0.03	0.02	-0.33	-6.69e-04	-6.85e-05	0.0
101	78	-0.02	-3.86e-03	-0.25	7.74e-04	-4.74e-04	0.0
101	79	0.02	4.42e-03	-0.31	-1.43e-03	5.40e-04	0.0
101	80	0.03	-0.02	-0.22	1.12e-04	8.57e-05	0.0
101	81	-0.03	0.02	-0.33	-7.16e-04	-4.39e-05	0.0
101	82	-0.02	-5.02e-03	-0.24	8.21e-04	-4.98e-04	0.0
101	83	0.02	3.59e-03	-0.31	-1.36e-03	5.31e-04	0.0
101	84	0.03	-0.02	-0.23	7.95e-05	1.26e-04	0.0
101	85	-0.03	0.02	-0.33	-6.84e-04	-8.38e-05	0.0
101	86	-0.02	-4.19e-03	-0.24	7.59e-04	-4.89e-04	0.0
101	87	0.02	4.75e-03	-0.31	-1.41e-03	5.56e-04	0.0
101	88	0.03	-0.02	-0.22	1.27e-04	1.01e-04	0.0
101	89	-0.03	0.02	-0.33	-7.31e-04	-5.93e-05	0.0
101	90	-0.02	-5.35e-03	-0.24	8.06e-04	-5.14e-04	0.0
101	91	-5.26e-03	0.04	-0.42	-2.81e-03	7.84e-04	0.0
101	92	0.02	-0.05	-0.13	2.00e-03	-5.67e-04	0.0
101	93	-0.02	0.05	-0.42	-2.60e-03	6.09e-04	0.0
101	94	3.98e-03	-0.04	-0.14	2.21e-03	-7.42e-04	0.0
101	95	-5.25e-03	0.04	-0.42	-2.81e-03	7.89e-04	0.0
101	96	0.02	-0.05	-0.13	2.00e-03	-5.63e-04	0.0
101	97	-0.02	0.05	-0.42	-2.61e-03	6.04e-04	0.0
101	98	3.96e-03	-0.04	-0.14	2.21e-03	-7.47e-04	0.0
101	99	-5.32e-03	0.04	-0.42	-2.97e-03	8.66e-04	0.0
101	100	0.02	-0.05	-0.12	2.15e-03	-6.49e-04	0.0
101	101	-0.02	0.05	-0.43	-2.76e-03	6.91e-04	0.0
101	102	4.04e-03	-0.04	-0.13	2.37e-03	-8.24e-04	0.0
101	103	-5.31e-03	0.04	-0.42	-2.97e-03	8.71e-04	0.0
101	104	0.02	-0.05	-0.12	2.16e-03	-6.44e-04	0.0
101	105	-0.02	0.05	-0.43	-2.76e-03	6.86e-04	0.0
101	106	4.02e-03	-0.04	-0.13	2.36e-03	-8.29e-04	0.0
102	1	-5.44e-04	-4.73e-04	-0.29	-2.49e-04	-1.07e-05	0.0
102	2	-8.28e-04	-1.99e-05	-0.40	-5.31e-04	6.47e-05	0.0
102	3	-4.13e-04	-3.72e-04	-0.22	-1.86e-04	-9.64e-06	0.0
102	4	-6.97e-04	8.07e-05	-0.33	-4.68e-04	6.57e-05	0.0
102	5	-4.16e-04	-3.68e-04	-0.22	-1.89e-04	-8.84e-06	0.0
102	6	-6.05e-04	-6.55e-05	-0.29	-3.77e-04	4.14e-05	0.0
102	7	-4.16e-04	-3.68e-04	-0.22	-1.89e-04	-8.84e-06	0.0
102	8	-5.49e-04	-1.56e-04	-0.27	-3.21e-04	2.63e-05	0.0
102	9	-4.16e-04	-3.68e-04	-0.22	-1.89e-04	-8.84e-06	0.0
102	10	-5.30e-04	-1.86e-04	-0.27	-3.02e-04	2.13e-05	0.0
102	11	0.03	6.65e-03	-0.29	-1.94e-03	7.76e-04	0.0
102	12	0.04	-0.03	-0.22	2.57e-04	1.56e-04	0.0
102	13	-0.04	0.03	-0.31	-8.61e-04	-1.14e-04	0.0
102	14	-0.03	-7.03e-03	-0.24	1.34e-03	-7.34e-04	0.0
102	15	0.03	8.33e-03	-0.29	-2.02e-03	8.14e-04	0.0
102	16	0.04	-0.03	-0.22	3.29e-04	1.19e-04	0.0
102	17	-0.04	0.03	-0.31	-9.33e-04	-7.62e-05	0.0
102	18	-0.03	-8.70e-03	-0.24	1.41e-03	-7.71e-04	0.0
102	19	0.03	7.19e-03	-0.30	-1.92e-03	8.00e-04	0.0
102	20	0.04	-0.03	-0.22	2.80e-04	1.80e-04	0.0
102	21	-0.04	0.03	-0.31	-8.84e-04	-1.37e-04	0.0
102	22	-0.03	-7.56e-03	-0.24	1.32e-03	-7.57e-04	0.0
102	23	0.03	8.86e-03	-0.30	-1.99e-03	8.37e-04	0.0
102	24	0.04	-0.03	-0.22	3.52e-04	1.42e-04	0.0
102	25	-0.04	0.03	-0.31	-9.56e-04	-9.95e-05	0.0
102	26	-0.03	-9.24e-03	-0.24	1.39e-03	-7.95e-04	0.0
102	27	-7.38e-03	0.06	-0.38	-4.13e-03	1.19e-03	0.0
102	28	0.03	-0.07	-0.14	3.20e-03	-8.79e-04	0.0
102	29	-0.03	0.07	-0.39	-3.81e-03	9.22e-04	0.0
102	30	6.32e-03	-0.06	-0.15	3.53e-03	-1.15e-03	0.0
102	31	-7.39e-03	0.06	-0.39	-4.13e-03	1.20e-03	0.0
102	32	0.03	-0.07	-0.14	3.21e-03	-8.72e-04	0.0
102	33	-0.03	0.07	-0.39	-3.82e-03	9.15e-04	0.0
102	34	6.33e-03	-0.06	-0.15	3.52e-03	-1.15e-03	0.0
102	35	-7.64e-03	0.07	-0.39	-4.37e-03	1.31e-03	0.0
102	36	0.03	-0.08	-0.14	3.44e-03	-1.00e-03	0.0
102	37	-0.03	0.08	-0.39	-4.05e-03	1.05e-03	0.0
102	38	6.58e-03	-0.07	-0.14	3.77e-03	-1.27e-03	0.0

102	39	-7.65e-03	0.07	-0.39	-4.37e-03	1.32e-03	0.0
102	40	0.03	-0.08	-0.14	3.45e-03	-9.97e-04	0.0
102	41	-0.03	0.07	-0.39	-4.05e-03	1.04e-03	0.0
102	42	6.59e-03	-0.07	-0.14	3.76e-03	-1.28e-03	0.0
102	43	0.03	5.30e-03	-0.29	-1.60e-03	6.20e-04	0.0
102	44	0.03	-0.03	-0.23	1.42e-04	1.28e-04	0.0
102	45	-0.04	0.03	-0.30	-7.46e-04	-8.56e-05	0.0
102	46	-0.03	-5.68e-03	-0.25	9.99e-04	-5.77e-04	0.0
102	47	0.03	6.63e-03	-0.29	-1.66e-03	6.50e-04	0.0
102	48	0.03	-0.03	-0.23	1.99e-04	9.85e-05	0.0
102	49	-0.04	0.03	-0.30	-8.03e-04	-5.59e-05	0.0
102	50	-0.03	-7.01e-03	-0.24	1.06e-03	-6.07e-04	0.0
102	51	0.03	5.75e-03	-0.29	-1.59e-03	6.38e-04	0.0
102	52	0.03	-0.03	-0.23	1.60e-04	1.47e-04	0.0
102	53	-0.04	0.03	-0.30	-7.64e-04	-1.04e-04	0.0
102	54	-0.03	-6.12e-03	-0.24	9.81e-04	-5.96e-04	0.0
102	55	0.03	7.07e-03	-0.29	-1.64e-03	6.68e-04	0.0
102	56	0.03	-0.03	-0.23	2.17e-04	1.17e-04	0.0
102	57	-0.04	0.03	-0.30	-8.21e-04	-7.45e-05	0.0
102	58	-0.03	-7.45e-03	-0.24	1.04e-03	-6.25e-04	0.0
102	59	-5.93e-03	0.05	-0.36	-3.34e-03	9.46e-04	0.0
102	60	0.02	-0.06	-0.17	2.48e-03	-6.92e-04	0.0
102	61	-0.02	0.05	-0.36	-3.08e-03	7.35e-04	0.0
102	62	4.87e-03	-0.05	-0.17	2.73e-03	-9.04e-04	0.0
102	63	-5.95e-03	0.05	-0.36	-3.33e-03	9.52e-04	0.0
102	64	0.02	-0.06	-0.17	2.48e-03	-6.87e-04	0.0
102	65	-0.02	0.05	-0.36	-3.09e-03	7.29e-04	0.0
102	66	4.89e-03	-0.05	-0.17	2.73e-03	-9.09e-04	0.0
102	67	-6.14e-03	0.05	-0.36	-3.53e-03	1.05e-03	0.0
102	68	0.02	-0.06	-0.16	2.67e-03	-7.91e-04	0.0
102	69	-0.02	0.06	-0.37	-3.27e-03	8.34e-04	0.0
102	70	5.08e-03	-0.05	-0.17	2.92e-03	-1.00e-03	0.0
102	71	-6.16e-03	0.05	-0.36	-3.52e-03	1.05e-03	0.0
102	72	0.02	-0.06	-0.17	2.67e-03	-7.86e-04	0.0
102	73	-0.02	0.06	-0.37	-3.28e-03	8.28e-04	0.0
102	74	5.10e-03	-0.05	-0.17	2.92e-03	-1.01e-03	0.0
102	75	0.02	4.33e-03	-0.28	-1.38e-03	5.16e-04	0.0
102	76	0.03	-0.02	-0.24	6.45e-05	1.10e-04	0.0
102	77	-0.03	0.02	-0.30	-6.69e-04	-6.71e-05	0.0
102	78	-0.02	-4.70e-03	-0.25	7.73e-04	-4.73e-04	0.0
102	79	0.02	5.43e-03	-0.28	-1.42e-03	5.40e-04	0.0
102	80	0.03	-0.02	-0.24	1.12e-04	8.51e-05	0.0
102	81	-0.03	0.02	-0.30	-7.16e-04	-4.25e-05	0.0
102	82	-0.02	-5.80e-03	-0.25	8.21e-04	-4.98e-04	0.0
102	83	0.02	4.70e-03	-0.29	-1.36e-03	5.31e-04	0.0
102	84	0.03	-0.02	-0.24	7.94e-05	1.25e-04	0.0
102	85	-0.03	0.02	-0.30	-6.83e-04	-8.24e-05	0.0
102	86	-0.02	-5.07e-03	-0.25	7.59e-04	-4.89e-04	0.0
102	87	0.02	5.80e-03	-0.29	-1.41e-03	5.56e-04	0.0
102	88	0.03	-0.02	-0.24	1.27e-04	1.00e-04	0.0
102	89	-0.03	0.02	-0.30	-7.31e-04	-5.78e-05	0.0
102	90	-0.02	-6.17e-03	-0.25	8.06e-04	-5.13e-04	0.0
102	91	-4.99e-03	0.04	-0.34	-2.81e-03	7.86e-04	0.0
102	92	0.02	-0.05	-0.19	1.99e-03	-5.68e-04	0.0
102	93	-0.02	0.05	-0.35	-2.60e-03	6.11e-04	0.0
102	94	3.93e-03	-0.04	-0.19	2.21e-03	-7.43e-04	0.0
102	95	-5.01e-03	0.04	-0.34	-2.81e-03	7.90e-04	0.0
102	96	0.02	-0.05	-0.19	2.00e-03	-5.64e-04	0.0
102	97	-0.02	0.05	-0.35	-2.60e-03	6.06e-04	0.0
102	98	3.95e-03	-0.04	-0.19	2.20e-03	-7.48e-04	0.0
102	99	-5.16e-03	0.04	-0.35	-2.97e-03	8.68e-04	0.0
102	100	0.02	-0.05	-0.18	2.15e-03	-6.50e-04	0.0
102	101	-0.02	0.05	-0.35	-2.76e-03	6.93e-04	0.0
102	102	4.11e-03	-0.04	-0.19	2.36e-03	-8.25e-04	0.0
102	103	-5.18e-03	0.04	-0.35	-2.96e-03	8.72e-04	0.0
102	104	0.02	-0.05	-0.18	2.16e-03	-6.46e-04	0.0
102	105	-0.02	0.05	-0.35	-2.76e-03	6.88e-04	0.0
102	106	4.12e-03	-0.04	-0.19	2.36e-03	-8.30e-04	0.0
105	1	-1.42e-04	4.40e-04	-0.27	-1.01e-04	2.23e-05	0.0
105	2	2.20e-04	6.31e-05	-0.43	-4.69e-04	4.12e-05	0.0
105	3	-1.16e-04	3.45e-04	-0.21	-7.04e-05	1.68e-05	0.0
105	4	2.46e-04	-3.12e-05	-0.37	-4.39e-04	3.57e-05	0.0

105	5	-1.12e-04	3.41e-04	-0.21	-7.44e-05	1.70e-05	0.0
105	6	1.29e-04	9.03e-05	-0.31	-3.20e-04	2.96e-05	0.0
105	7	-1.12e-04	3.41e-04	-0.21	-7.44e-05	1.70e-05	0.0
105	8	5.69e-05	1.66e-04	-0.28	-2.46e-04	2.58e-05	0.0
105	9	-1.12e-04	3.41e-04	-0.21	-7.44e-05	1.70e-05	0.0
105	10	3.27e-05	1.91e-04	-0.27	-2.22e-04	2.46e-05	0.0
105	11	0.03	0.04	-0.28	-2.21e-04	3.90e-04	1.30e-06
105	12	0.05	0.01	-0.33	8.57e-04	4.81e-04	0.0
105	13	-0.05	-0.01	-0.22	-1.30e-03	-4.32e-04	0.0
105	14	-0.03	-0.04	-0.26	-2.23e-04	-3.41e-04	-1.25e-06
105	15	0.03	0.04	-0.28	-2.03e-04	3.84e-04	1.26e-06
105	16	0.05	0.01	-0.32	8.39e-04	4.88e-04	0.0
105	17	-0.05	-0.01	-0.22	-1.28e-03	-4.38e-04	0.0
105	18	-0.03	-0.04	-0.26	-2.41e-04	-3.34e-04	-1.21e-06
105	19	0.03	0.04	-0.29	-1.87e-04	4.01e-04	1.30e-06
105	20	0.05	0.01	-0.33	8.90e-04	4.91e-04	0.0
105	21	-0.05	-0.01	-0.21	-1.33e-03	-4.42e-04	0.0
105	22	-0.03	-0.04	-0.26	-2.57e-04	-3.52e-04	-1.25e-06
105	23	0.03	0.04	-0.29	-1.70e-04	3.94e-04	1.26e-06
105	24	0.05	0.01	-0.33	8.73e-04	4.98e-04	0.0
105	25	-0.05	-0.01	-0.21	-1.32e-03	-4.49e-04	0.0
105	26	-0.03	-0.04	-0.25	-2.74e-04	-3.45e-04	-1.21e-06
105	27	-8.96e-03	0.05	-0.21	-1.86e-03	-2.71e-06	1.89e-06
105	28	0.03	-0.04	-0.35	1.74e-03	2.98e-04	-1.36e-06
105	29	-0.03	0.04	-0.19	-2.18e-03	-2.49e-04	1.41e-06
105	30	9.03e-03	-0.05	-0.33	1.41e-03	5.19e-05	-1.83e-06
105	31	-9.17e-03	0.05	-0.21	-1.85e-03	0.0	1.89e-06
105	32	0.03	-0.04	-0.35	1.75e-03	3.02e-04	-1.36e-06
105	33	-0.03	0.04	-0.19	-2.19e-03	-2.52e-04	1.42e-06
105	34	9.24e-03	-0.05	-0.33	1.40e-03	4.88e-05	-1.83e-06
105	35	-9.88e-03	0.05	-0.21	-1.80e-03	-2.56e-05	1.76e-06
105	36	0.03	-0.03	-0.35	1.68e-03	3.21e-04	-1.23e-06
105	37	-0.03	0.03	-0.19	-2.12e-03	-2.72e-04	1.28e-06
105	38	9.94e-03	-0.05	-0.33	1.35e-03	7.47e-05	-1.70e-06
105	39	-0.01	0.05	-0.21	-1.79e-03	-2.25e-05	1.75e-06
105	40	0.03	-0.03	-0.35	1.69e-03	3.24e-04	-1.23e-06
105	41	-0.03	0.03	-0.19	-2.13e-03	-2.75e-04	1.28e-06
105	42	0.01	-0.05	-0.33	1.34e-03	7.16e-05	-1.70e-06
105	43	0.03	0.03	-0.28	-2.21e-04	3.14e-04	1.02e-06
105	44	0.04	0.01	-0.31	6.33e-04	3.85e-04	0.0
105	45	-0.04	-1.00e-02	-0.23	-1.08e-03	-3.36e-04	0.0
105	46	-0.03	-0.03	-0.26	-2.23e-04	-2.65e-04	0.0
105	47	0.03	0.03	-0.28	-2.07e-04	3.09e-04	0.0
105	48	0.04	0.01	-0.31	6.19e-04	3.91e-04	0.0
105	49	-0.04	-0.01	-0.23	-1.06e-03	-3.42e-04	0.0
105	50	-0.03	-0.03	-0.26	-2.37e-04	-2.59e-04	0.0
105	51	0.03	0.03	-0.28	-1.94e-04	3.22e-04	1.02e-06
105	52	0.04	0.01	-0.32	6.60e-04	3.93e-04	0.0
105	53	-0.04	-0.01	-0.23	-1.10e-03	-3.44e-04	0.0
105	54	-0.03	-0.03	-0.26	-2.49e-04	-2.73e-04	0.0
105	55	0.03	0.03	-0.28	-1.80e-04	3.17e-04	0.0
105	56	0.04	0.01	-0.32	6.46e-04	3.99e-04	0.0
105	57	-0.04	-0.01	-0.23	-1.09e-03	-3.50e-04	0.0
105	58	-0.03	-0.03	-0.26	-2.63e-04	-2.67e-04	0.0
105	59	-7.02e-03	0.04	-0.22	-1.52e-03	3.14e-06	1.49e-06
105	60	0.03	-0.03	-0.34	1.33e-03	2.41e-04	-1.07e-06
105	61	-0.03	0.03	-0.21	-1.77e-03	-1.92e-04	1.13e-06
105	62	7.08e-03	-0.04	-0.32	1.07e-03	4.60e-05	-1.44e-06
105	63	-7.21e-03	0.04	-0.22	-1.51e-03	5.54e-06	1.49e-06
105	64	0.03	-0.03	-0.34	1.34e-03	2.44e-04	-1.08e-06
105	65	-0.03	0.03	-0.21	-1.78e-03	-1.94e-04	1.13e-06
105	66	7.27e-03	-0.04	-0.32	1.07e-03	4.36e-05	-1.44e-06
105	67	-7.76e-03	0.04	-0.23	-1.47e-03	-1.50e-05	1.39e-06
105	68	0.03	-0.03	-0.33	1.28e-03	2.59e-04	0.0
105	69	-0.03	0.03	-0.21	-1.73e-03	-2.10e-04	1.02e-06
105	70	7.82e-03	-0.04	-0.32	1.03e-03	6.41e-05	-1.34e-06
105	71	-7.95e-03	0.04	-0.23	-1.46e-03	-1.26e-05	1.39e-06
105	72	0.03	-0.03	-0.33	1.29e-03	2.62e-04	0.0
105	73	-0.03	0.03	-0.21	-1.73e-03	-2.12e-04	1.02e-06
105	74	8.01e-03	-0.04	-0.32	1.02e-03	6.17e-05	-1.33e-06
105	75	0.02	0.03	-0.28	-2.21e-04	2.64e-04	0.0
105	76	0.03	8.63e-03	-0.31	4.85e-04	3.23e-04	0.0

105	77	-0.03	-8.25e-03	-0.24	-9.28e-04	-2.74e-04	0.0
105	78	-0.02	-0.03	-0.26	-2.23e-04	-2.15e-04	0.0
105	79	0.02	0.03	-0.28	-2.10e-04	2.59e-04	0.0
105	80	0.03	9.27e-03	-0.31	4.73e-04	3.27e-04	0.0
105	81	-0.03	-8.89e-03	-0.24	-9.17e-04	-2.78e-04	0.0
105	82	-0.02	-0.03	-0.26	-2.34e-04	-2.10e-04	0.0
105	83	0.02	0.03	-0.28	-1.99e-04	2.71e-04	0.0
105	84	0.03	8.79e-03	-0.31	5.07e-04	3.30e-04	0.0
105	85	-0.03	-8.41e-03	-0.23	-9.50e-04	-2.80e-04	0.0
105	86	-0.02	-0.03	-0.26	-2.45e-04	-2.21e-04	0.0
105	87	0.02	0.03	-0.28	-1.88e-04	2.66e-04	0.0
105	88	0.03	9.42e-03	-0.31	4.95e-04	3.34e-04	0.0
105	89	-0.03	-9.04e-03	-0.23	-9.39e-04	-2.85e-04	0.0
105	90	-0.02	-0.03	-0.26	-2.56e-04	-2.17e-04	0.0
105	91	-5.79e-03	0.03	-0.23	-1.29e-03	6.86e-06	1.24e-06
105	92	0.02	-0.02	-0.32	1.06e-03	2.04e-04	0.0
105	93	-0.02	0.02	-0.22	-1.50e-03	-1.54e-04	0.0
105	94	5.86e-03	-0.03	-0.31	8.48e-04	4.23e-05	-1.19e-06
105	95	-5.95e-03	0.03	-0.23	-1.29e-03	8.84e-06	1.24e-06
105	96	0.02	-0.02	-0.32	1.07e-03	2.06e-04	0.0
105	97	-0.02	0.02	-0.22	-1.51e-03	-1.56e-04	0.0
105	98	6.02e-03	-0.03	-0.31	8.42e-04	4.03e-05	-1.19e-06
105	99	-6.40e-03	0.03	-0.23	-1.25e-03	-8.10e-06	1.15e-06
105	100	0.02	-0.02	-0.32	1.02e-03	2.19e-04	0.0
105	101	-0.02	0.02	-0.22	-1.47e-03	-1.69e-04	0.0
105	102	6.47e-03	-0.03	-0.31	8.10e-04	5.73e-05	-1.10e-06
105	103	-6.56e-03	0.03	-0.23	-1.25e-03	-6.12e-06	1.15e-06
105	104	0.02	-0.02	-0.32	1.03e-03	2.21e-04	0.0
105	105	-0.02	0.02	-0.22	-1.47e-03	-1.71e-04	0.0
105	106	6.63e-03	-0.03	-0.31	8.03e-04	5.53e-05	-1.10e-06
106	1	-6.56e-05	4.39e-04	-0.28	-1.02e-04	2.20e-05	0.0
106	2	4.79e-05	6.20e-05	-0.48	-4.73e-04	4.01e-05	0.0
106	3	-5.26e-05	3.45e-04	-0.21	-7.12e-05	1.66e-05	0.0
106	4	6.09e-05	-3.23e-05	-0.41	-4.42e-04	3.47e-05	0.0
106	5	-5.14e-05	3.41e-04	-0.21	-7.52e-05	1.68e-05	0.0
106	6	2.43e-05	8.95e-05	-0.35	-3.23e-04	2.88e-05	0.0
106	7	-5.14e-05	3.41e-04	-0.21	-7.52e-05	1.68e-05	0.0
106	8	1.57e-06	1.65e-04	-0.31	-2.48e-04	2.52e-05	0.0
106	9	-5.14e-05	3.41e-04	-0.21	-7.52e-05	1.68e-05	0.0
106	10	-6.00e-06	1.90e-04	-0.29	-2.24e-04	2.40e-05	0.0
106	11	0.04	0.04	-0.30	-2.22e-04	3.91e-04	-1.40e-06
106	12	0.05	0.01	-0.23	8.55e-04	4.82e-04	-4.17e-06
106	13	-0.05	-0.01	-0.35	-1.30e-03	-4.34e-04	3.95e-06
106	14	-0.04	-0.04	-0.29	-2.25e-04	-3.43e-04	1.19e-06
106	15	0.04	0.04	-0.30	-2.05e-04	3.84e-04	-1.50e-06
106	16	0.05	0.01	-0.23	8.37e-04	4.88e-04	-4.07e-06
106	17	-0.05	-0.01	-0.35	-1.28e-03	-4.40e-04	3.85e-06
106	18	-0.04	-0.04	-0.29	-2.43e-04	-3.36e-04	1.29e-06
106	19	0.04	0.04	-0.30	-1.89e-04	4.01e-04	-1.63e-06
106	20	0.05	0.01	-0.23	8.88e-04	4.92e-04	-4.40e-06
106	21	-0.05	-0.01	-0.36	-1.34e-03	-4.44e-04	4.18e-06
106	22	-0.04	-0.04	-0.29	-2.58e-04	-3.53e-04	1.42e-06
106	23	0.04	0.04	-0.30	-1.71e-04	3.94e-04	-1.73e-06
106	24	0.05	0.01	-0.23	8.71e-04	4.99e-04	-4.30e-06
106	25	-0.05	-0.01	-0.36	-1.32e-03	-4.51e-04	4.08e-06
106	26	-0.04	-0.04	-0.29	-2.76e-04	-3.46e-04	1.52e-06
106	27	-3.63e-03	0.05	-0.40	-1.86e-03	-3.55e-06	3.69e-06
106	28	0.03	-0.04	-0.17	1.73e-03	2.99e-04	-5.51e-06
106	29	-0.03	0.04	-0.41	-2.18e-03	-2.51e-04	5.30e-06
106	30	3.62e-03	-0.05	-0.19	1.41e-03	5.15e-05	-3.91e-06
106	31	-3.71e-03	0.05	-0.40	-1.85e-03	0.0	3.62e-06
106	32	0.03	-0.04	-0.17	1.74e-03	3.02e-04	-5.58e-06
106	33	-0.03	0.04	-0.41	-2.19e-03	-2.54e-04	5.37e-06
106	34	3.70e-03	-0.05	-0.19	1.40e-03	4.84e-05	-3.84e-06
106	35	-4.71e-03	0.05	-0.40	-1.80e-03	-2.64e-05	3.36e-06
106	36	0.03	-0.03	-0.17	1.67e-03	3.22e-04	-5.19e-06
106	37	-0.03	0.03	-0.41	-2.12e-03	-2.74e-04	4.97e-06
106	38	4.70e-03	-0.05	-0.19	1.35e-03	7.44e-05	-3.58e-06
106	39	-4.78e-03	0.05	-0.40	-1.79e-03	-2.33e-05	3.29e-06
106	40	0.03	-0.03	-0.17	1.68e-03	3.25e-04	-5.25e-06
106	41	-0.03	0.03	-0.41	-2.13e-03	-2.77e-04	5.04e-06
106	42	4.77e-03	-0.05	-0.19	1.34e-03	7.13e-05	-3.51e-06

106	43	0.03	0.03	-0.30	-2.22e-04	3.14e-04	-1.13e-06
106	44	0.04	0.01	-0.25	6.31e-04	3.86e-04	-3.32e-06
106	45	-0.04	-1.00e-02	-0.34	-1.08e-03	-3.38e-04	3.10e-06
106	46	-0.03	-0.03	-0.29	-2.25e-04	-2.66e-04	0.0
106	47	0.03	0.03	-0.30	-2.09e-04	3.09e-04	-1.21e-06
106	48	0.04	0.01	-0.25	6.17e-04	3.91e-04	-3.24e-06
106	49	-0.04	-0.01	-0.34	-1.06e-03	-3.43e-04	3.02e-06
106	50	-0.03	-0.03	-0.29	-2.39e-04	-2.61e-04	0.0
106	51	0.03	0.03	-0.30	-1.96e-04	3.22e-04	-1.32e-06
106	52	0.04	0.01	-0.24	6.58e-04	3.94e-04	-3.50e-06
106	53	-0.04	-0.01	-0.34	-1.10e-03	-3.46e-04	3.28e-06
106	54	-0.03	-0.03	-0.29	-2.51e-04	-2.74e-04	1.10e-06
106	55	0.03	0.03	-0.30	-1.82e-04	3.17e-04	-1.39e-06
106	56	0.04	0.01	-0.25	6.44e-04	4.00e-04	-3.42e-06
106	57	-0.04	-0.01	-0.34	-1.09e-03	-3.52e-04	3.21e-06
106	58	-0.03	-0.03	-0.29	-2.65e-04	-2.69e-04	1.18e-06
106	59	-2.85e-03	0.04	-0.38	-1.52e-03	2.36e-06	2.90e-06
106	60	0.02	-0.03	-0.20	1.33e-03	2.41e-04	-4.39e-06
106	61	-0.02	0.03	-0.39	-1.77e-03	-1.93e-04	4.17e-06
106	62	2.84e-03	-0.04	-0.21	1.07e-03	4.56e-05	-3.12e-06
106	63	-2.93e-03	0.04	-0.38	-1.51e-03	4.81e-06	2.84e-06
106	64	0.02	-0.03	-0.20	1.34e-03	2.44e-04	-4.44e-06
106	65	-0.02	0.03	-0.39	-1.78e-03	-1.96e-04	4.22e-06
106	66	2.91e-03	-0.04	-0.21	1.06e-03	4.32e-05	-3.06e-06
106	67	-3.70e-03	0.04	-0.38	-1.47e-03	-1.58e-05	2.64e-06
106	68	0.02	-0.03	-0.20	1.28e-03	2.59e-04	-4.13e-06
106	69	-0.02	0.03	-0.39	-1.73e-03	-2.11e-04	3.91e-06
106	70	3.69e-03	-0.04	-0.21	1.02e-03	6.38e-05	-2.86e-06
106	71	-3.78e-03	0.04	-0.38	-1.46e-03	-1.33e-05	2.58e-06
106	72	0.02	-0.03	-0.20	1.29e-03	2.62e-04	-4.18e-06
106	73	-0.02	0.03	-0.39	-1.74e-03	-2.14e-04	3.96e-06
106	74	3.76e-03	-0.04	-0.21	1.02e-03	6.13e-05	-2.80e-06
106	75	0.02	0.03	-0.30	-2.23e-04	2.64e-04	0.0
106	76	0.03	8.63e-03	-0.25	4.83e-04	3.23e-04	-2.76e-06
106	77	-0.03	-8.25e-03	-0.33	-9.30e-04	-2.75e-04	2.55e-06
106	78	-0.02	-0.03	-0.29	-2.24e-04	-2.16e-04	0.0
106	79	0.02	0.03	-0.30	-2.11e-04	2.60e-04	-1.02e-06
106	80	0.03	9.27e-03	-0.25	4.71e-04	3.28e-04	-2.70e-06
106	81	-0.03	-8.89e-03	-0.33	-9.18e-04	-2.80e-04	2.48e-06
106	82	-0.02	-0.03	-0.29	-2.36e-04	-2.12e-04	0.0
106	83	0.02	0.03	-0.30	-2.01e-04	2.71e-04	-1.11e-06
106	84	0.03	8.79e-03	-0.25	5.05e-04	3.30e-04	-2.91e-06
106	85	-0.03	-8.41e-03	-0.33	-9.52e-04	-2.82e-04	2.70e-06
106	86	-0.02	-0.03	-0.29	-2.46e-04	-2.23e-04	0.0
106	87	0.02	0.03	-0.30	-1.89e-04	2.66e-04	-1.17e-06
106	88	0.03	9.42e-03	-0.25	4.93e-04	3.34e-04	-2.85e-06
106	89	-0.03	-9.04e-03	-0.33	-9.40e-04	-2.87e-04	2.63e-06
106	90	-0.02	-0.03	-0.29	-2.58e-04	-2.18e-04	0.0
106	91	-2.35e-03	0.03	-0.36	-1.29e-03	6.12e-06	2.38e-06
106	92	0.02	-0.02	-0.21	1.06e-03	2.04e-04	-3.64e-06
106	93	-0.02	0.02	-0.37	-1.51e-03	-1.56e-04	3.43e-06
106	94	2.34e-03	-0.03	-0.23	8.46e-04	4.19e-05	-2.59e-06
106	95	-2.42e-03	0.03	-0.36	-1.29e-03	8.14e-06	2.33e-06
106	96	0.02	-0.02	-0.21	1.06e-03	2.06e-04	-3.69e-06
106	97	-0.02	0.02	-0.37	-1.51e-03	-1.58e-04	3.47e-06
106	98	2.41e-03	-0.03	-0.23	8.39e-04	3.98e-05	-2.55e-06
106	99	-3.06e-03	0.03	-0.36	-1.25e-03	-8.87e-06	2.16e-06
106	100	0.02	-0.02	-0.22	1.02e-03	2.19e-04	-3.43e-06
106	101	-0.02	0.02	-0.37	-1.47e-03	-1.71e-04	3.21e-06
106	102	3.04e-03	-0.03	-0.23	8.08e-04	5.69e-05	-2.38e-06
106	103	-3.12e-03	0.03	-0.36	-1.25e-03	-6.85e-06	2.12e-06
106	104	0.02	-0.02	-0.22	1.03e-03	2.21e-04	-3.47e-06
106	105	-0.02	0.02	-0.37	-1.47e-03	-1.73e-04	3.26e-06
106	106	3.11e-03	-0.03	-0.23	8.01e-04	5.48e-05	-2.33e-06
107	1	-1.05e-04	4.40e-04	-0.28	-1.01e-04	2.21e-05	0.0
107	2	1.32e-04	6.50e-05	-0.45	-4.71e-04	4.10e-05	0.0
107	3	-8.50e-05	3.46e-04	-0.21	-7.08e-05	1.66e-05	0.0
107	4	1.52e-04	-2.95e-05	-0.39	-4.40e-04	3.56e-05	0.0
107	5	-8.24e-05	3.42e-04	-0.21	-7.47e-05	1.68e-05	0.0
107	6	7.54e-05	9.16e-05	-0.33	-3.21e-04	2.95e-05	0.0
107	7	-8.24e-05	3.42e-04	-0.21	-7.47e-05	1.68e-05	0.0
107	8	2.81e-05	1.67e-04	-0.29	-2.47e-04	2.57e-05	0.0

107	9	-8.24e-05	3.42e-04	-0.21	-7.47e-05	1.68e-05	0.0
107	10	1.23e-05	1.92e-04	-0.28	-2.22e-04	2.44e-05	0.0
107	11	0.03	0.04	-0.28	-2.20e-04	3.91e-04	2.58e-06
107	12	0.05	0.01	-0.26	8.57e-04	4.81e-04	0.0
107	13	-0.05	-0.01	-0.30	-1.30e-03	-4.32e-04	-1.15e-06
107	14	-0.03	-0.04	-0.29	-2.25e-04	-3.42e-04	-3.38e-06
107	15	0.03	0.04	-0.28	-2.03e-04	3.84e-04	2.48e-06
107	16	0.05	0.01	-0.26	8.39e-04	4.88e-04	0.0
107	17	-0.05	-0.01	-0.30	-1.28e-03	-4.39e-04	-1.24e-06
107	18	-0.03	-0.04	-0.29	-2.42e-04	-3.35e-04	-3.29e-06
107	19	0.03	0.04	-0.27	-1.87e-04	4.01e-04	2.74e-06
107	20	0.05	0.01	-0.26	8.90e-04	4.92e-04	0.0
107	21	-0.05	-0.01	-0.30	-1.34e-03	-4.43e-04	-1.31e-06
107	22	-0.03	-0.04	-0.29	-2.58e-04	-3.52e-04	-3.54e-06
107	23	0.03	0.04	-0.28	-1.69e-04	3.94e-04	2.64e-06
107	24	0.05	0.01	-0.26	8.72e-04	4.99e-04	0.0
107	25	-0.05	-0.01	-0.30	-1.32e-03	-4.50e-04	-1.41e-06
107	26	-0.03	-0.04	-0.29	-2.76e-04	-3.45e-04	-3.45e-06
107	27	-6.01e-03	0.05	-0.30	-1.86e-03	-3.02e-06	3.88e-06
107	28	0.03	-0.04	-0.26	1.73e-03	2.99e-04	-3.57e-06
107	29	-0.03	0.04	-0.31	-2.18e-03	-2.50e-04	2.77e-06
107	30	6.03e-03	-0.05	-0.26	1.41e-03	5.18e-05	-4.69e-06
107	31	-6.15e-03	0.05	-0.30	-1.85e-03	0.0	3.93e-06
107	32	0.03	-0.04	-0.26	1.74e-03	3.02e-04	-3.53e-06
107	33	-0.03	0.04	-0.31	-2.19e-03	-2.53e-04	2.72e-06
107	34	6.18e-03	-0.05	-0.26	1.40e-03	4.87e-05	-4.74e-06
107	35	-6.90e-03	0.05	-0.30	-1.80e-03	-2.61e-05	3.56e-06
107	36	0.03	-0.03	-0.25	1.68e-03	3.22e-04	-3.25e-06
107	37	-0.03	0.03	-0.31	-2.12e-03	-2.73e-04	2.44e-06
107	38	6.92e-03	-0.05	-0.26	1.35e-03	7.49e-05	-4.36e-06
107	39	-7.04e-03	0.05	-0.30	-1.79e-03	-2.30e-05	3.60e-06
107	40	0.03	-0.03	-0.25	1.69e-03	3.25e-04	-3.20e-06
107	41	-0.03	0.03	-0.31	-2.13e-03	-2.76e-04	2.39e-06
107	42	7.06e-03	-0.05	-0.26	1.34e-03	7.18e-05	-4.41e-06
107	43	0.03	0.03	-0.28	-2.21e-04	3.14e-04	1.93e-06
107	44	0.04	0.01	-0.27	6.33e-04	3.86e-04	0.0
107	45	-0.04	-1.00e-02	-0.30	-1.08e-03	-3.37e-04	0.0
107	46	-0.03	-0.03	-0.29	-2.24e-04	-2.65e-04	-2.73e-06
107	47	0.03	0.03	-0.28	-2.07e-04	3.09e-04	1.85e-06
107	48	0.04	0.01	-0.27	6.19e-04	3.91e-04	0.0
107	49	-0.04	-0.01	-0.30	-1.06e-03	-3.42e-04	-1.05e-06
107	50	-0.03	-0.03	-0.29	-2.38e-04	-2.60e-04	-2.66e-06
107	51	0.03	0.03	-0.28	-1.94e-04	3.22e-04	2.06e-06
107	52	0.04	0.01	-0.27	6.59e-04	3.94e-04	0.0
107	53	-0.04	-0.01	-0.30	-1.10e-03	-3.45e-04	-1.10e-06
107	54	-0.03	-0.03	-0.29	-2.51e-04	-2.74e-04	-2.86e-06
107	55	0.03	0.03	-0.28	-1.80e-04	3.17e-04	1.98e-06
107	56	0.04	0.01	-0.27	6.45e-04	3.99e-04	0.0
107	57	-0.04	-0.01	-0.30	-1.09e-03	-3.51e-04	-1.18e-06
107	58	-0.03	-0.03	-0.29	-2.65e-04	-2.68e-04	-2.79e-06
107	59	-4.71e-03	0.04	-0.30	-1.52e-03	2.86e-06	2.98e-06
107	60	0.02	-0.03	-0.26	1.33e-03	2.41e-04	-2.91e-06
107	61	-0.02	0.03	-0.30	-1.77e-03	-1.93e-04	2.11e-06
107	62	4.73e-03	-0.04	-0.27	1.07e-03	4.60e-05	-3.78e-06
107	63	-4.84e-03	0.04	-0.30	-1.51e-03	5.29e-06	3.01e-06
107	64	0.02	-0.03	-0.26	1.34e-03	2.44e-04	-2.87e-06
107	65	-0.02	0.03	-0.30	-1.78e-03	-1.95e-04	2.07e-06
107	66	4.86e-03	-0.04	-0.27	1.06e-03	4.35e-05	-3.82e-06
107	67	-5.41e-03	0.04	-0.30	-1.47e-03	-1.54e-05	2.71e-06
107	68	0.02	-0.03	-0.26	1.28e-03	2.60e-04	-2.65e-06
107	69	-0.02	0.03	-0.30	-1.73e-03	-2.11e-04	1.85e-06
107	70	5.44e-03	-0.04	-0.27	1.03e-03	6.43e-05	-3.52e-06
107	71	-5.54e-03	0.04	-0.30	-1.46e-03	-1.30e-05	2.75e-06
107	72	0.02	-0.03	-0.26	1.29e-03	2.62e-04	-2.61e-06
107	73	-0.02	0.03	-0.30	-1.74e-03	-2.13e-04	1.81e-06
107	74	5.57e-03	-0.04	-0.27	1.02e-03	6.18e-05	-3.56e-06
107	75	0.02	0.03	-0.28	-2.21e-04	2.64e-04	1.53e-06
107	76	0.03	8.64e-03	-0.27	4.84e-04	3.23e-04	0.0
107	77	-0.03	-8.25e-03	-0.29	-9.29e-04	-2.74e-04	0.0
107	78	-0.02	-0.03	-0.29	-2.24e-04	-2.15e-04	-2.33e-06
107	79	0.02	0.03	-0.28	-2.10e-04	2.60e-04	1.46e-06
107	80	0.03	9.27e-03	-0.27	4.73e-04	3.28e-04	0.0

107	81	-0.03	-8.89e-03	-0.29	-9.18e-04	-2.79e-04	0.0
107	82	-0.02	-0.03	-0.29	-2.35e-04	-2.11e-04	-2.27e-06
107	83	0.02	0.03	-0.28	-1.99e-04	2.71e-04	1.63e-06
107	84	0.03	8.80e-03	-0.27	5.06e-04	3.30e-04	0.0
107	85	-0.03	-8.41e-03	-0.30	-9.51e-04	-2.81e-04	0.0
107	86	-0.02	-0.03	-0.29	-2.46e-04	-2.22e-04	-2.44e-06
107	87	0.02	0.03	-0.28	-1.88e-04	2.66e-04	1.57e-06
107	88	0.03	9.43e-03	-0.27	4.95e-04	3.34e-04	0.0
107	89	-0.03	-9.05e-03	-0.30	-9.40e-04	-2.86e-04	-1.04e-06
107	90	-0.02	-0.03	-0.29	-2.57e-04	-2.17e-04	-2.37e-06
107	91	-3.88e-03	0.03	-0.29	-1.29e-03	6.60e-06	2.39e-06
107	92	0.02	-0.02	-0.27	1.06e-03	2.04e-04	-2.48e-06
107	93	-0.02	0.02	-0.30	-1.50e-03	-1.55e-04	1.67e-06
107	94	3.91e-03	-0.03	-0.27	8.47e-04	4.22e-05	-3.20e-06
107	95	-3.99e-03	0.03	-0.29	-1.29e-03	8.61e-06	2.42e-06
107	96	0.02	-0.02	-0.27	1.07e-03	2.06e-04	-2.45e-06
107	97	-0.02	0.02	-0.30	-1.51e-03	-1.57e-04	1.64e-06
107	98	4.02e-03	-0.03	-0.27	8.40e-04	4.02e-05	-3.23e-06
107	99	-4.47e-03	0.03	-0.30	-1.25e-03	-8.52e-06	2.17e-06
107	100	0.02	-0.02	-0.26	1.02e-03	2.19e-04	-2.26e-06
107	101	-0.02	0.02	-0.30	-1.47e-03	-1.70e-04	1.46e-06
107	102	4.49e-03	-0.03	-0.27	8.09e-04	5.73e-05	-2.98e-06
107	103	-4.58e-03	0.03	-0.30	-1.25e-03	-6.52e-06	2.21e-06
107	104	0.02	-0.02	-0.26	1.03e-03	2.21e-04	-2.23e-06
107	105	-0.02	0.02	-0.30	-1.47e-03	-1.72e-04	1.42e-06
107	106	4.60e-03	-0.03	-0.27	8.02e-04	5.53e-05	-3.01e-06
108	1	3.68e-05	2.95e-04	-0.28	-7.13e-05	-9.74e-05	0.0
108	2	4.19e-04	2.50e-04	-0.45	-3.58e-04	-5.83e-04	-2.83e-06
108	3	2.11e-05	2.28e-04	-0.21	-4.95e-05	-6.58e-05	0.0
108	4	4.03e-04	1.83e-04	-0.38	-3.36e-04	-5.52e-04	-2.59e-06
108	5	2.52e-05	2.28e-04	-0.21	-5.25e-05	-7.10e-05	0.0
108	6	2.80e-04	1.97e-04	-0.33	-2.43e-04	-3.95e-04	-1.96e-06
108	7	2.52e-05	2.28e-04	-0.21	-5.25e-05	-7.10e-05	0.0
108	8	2.03e-04	2.06e-04	-0.29	-1.86e-04	-2.98e-04	-1.57e-06
108	9	2.52e-05	2.28e-04	-0.21	-5.25e-05	-7.10e-05	0.0
108	10	1.78e-04	2.09e-04	-0.28	-1.67e-04	-2.65e-04	-1.44e-06
108	11	0.04	0.04	-0.28	5.50e-05	-1.34e-04	-3.05e-06
108	12	0.04	0.02	-0.24	5.41e-04	3.32e-04	2.04e-06
108	13	-0.04	-0.02	-0.32	-8.75e-04	-8.62e-04	-4.93e-06
108	14	-0.04	-0.04	-0.28	-3.89e-04	-3.97e-04	0.0
108	15	0.04	0.04	-0.28	6.78e-05	-1.27e-04	-3.03e-06
108	16	0.05	0.02	-0.24	5.28e-04	3.25e-04	2.02e-06
108	17	-0.04	-0.02	-0.32	-8.62e-04	-8.56e-04	-4.91e-06
108	18	-0.04	-0.04	-0.28	-4.02e-04	-4.03e-04	0.0
108	19	0.04	-0.02	-0.28	7.38e-05	-1.21e-04	-3.03e-06
108	20	0.04	-0.04	-0.24	5.59e-04	3.45e-04	2.06e-06
108	21	-0.04	0.04	-0.32	-8.94e-04	-8.75e-04	-4.94e-06
108	22	-0.04	0.02	-0.28	-4.08e-04	-4.10e-04	0.0
108	23	0.04	-0.02	-0.28	8.66e-05	-1.14e-04	-3.01e-06
108	24	0.04	-0.04	-0.24	5.47e-04	3.38e-04	2.04e-06
108	25	-0.04	0.04	-0.32	-8.81e-04	-8.69e-04	-4.92e-06
108	26	-0.03	0.02	-0.28	-4.21e-04	-4.16e-04	0.0
108	27	-2.39e-03	0.04	-0.35	-8.37e-04	-9.32e-04	-9.64e-06
108	28	0.03	-0.03	-0.20	7.82e-04	6.20e-04	7.33e-06
108	29	-0.03	0.03	-0.36	-1.12e-03	-1.15e-03	-1.02e-05
108	30	2.75e-03	-0.04	-0.22	5.03e-04	4.01e-04	6.76e-06
108	31	-2.48e-03	0.03	-0.35	-8.31e-04	-9.28e-04	-9.64e-06
108	32	0.03	-0.04	-0.20	7.87e-04	6.24e-04	7.33e-06
108	33	-0.03	0.04	-0.36	-1.12e-03	-1.15e-03	-1.02e-05
108	34	2.84e-03	-0.03	-0.22	4.97e-04	3.98e-04	6.76e-06
108	35	-3.72e-03	0.04	-0.35	-7.94e-04	-9.10e-04	-9.58e-06
108	36	0.03	-0.02	-0.20	7.39e-04	5.98e-04	7.26e-06
108	37	-0.03	0.02	-0.36	-1.07e-03	-1.13e-03	-1.01e-05
108	38	4.08e-03	-0.04	-0.21	4.60e-04	3.79e-04	6.69e-06
108	39	-3.81e-03	0.02	-0.35	-7.89e-04	-9.06e-04	-9.57e-06
108	40	0.03	-0.04	-0.20	7.45e-04	6.02e-04	7.26e-06
108	41	-0.03	0.04	-0.36	-1.08e-03	-1.13e-03	-1.01e-05
108	42	4.17e-03	-0.02	-0.21	4.55e-04	3.75e-04	6.69e-06
108	43	0.03	0.03	-0.28	9.06e-06	-1.62e-04	-2.72e-06
108	44	0.04	0.02	-0.25	3.93e-04	2.06e-04	1.31e-06
108	45	-0.03	-0.02	-0.31	-7.28e-04	-7.37e-04	-4.20e-06
108	46	-0.03	-0.03	-0.28	-3.43e-04	-3.68e-04	0.0

108	47	0.03	0.03	-0.28	1.91e-05	-1.57e-04	-2.70e-06
108	48	0.04	0.02	-0.25	3.83e-04	2.01e-04	1.30e-06
108	49	-0.04	-0.02	-0.31	-7.17e-04	-7.32e-04	-4.18e-06
108	50	-0.03	-0.03	-0.28	-3.53e-04	-3.73e-04	0.0
108	51	0.03	-0.02	-0.28	2.39e-05	-1.52e-04	-2.71e-06
108	52	0.03	-0.03	-0.25	4.08e-04	2.16e-04	1.33e-06
108	53	-0.03	0.03	-0.31	-7.42e-04	-7.47e-04	-4.21e-06
108	54	-0.03	0.02	-0.28	-3.58e-04	-3.78e-04	0.0
108	55	0.03	-0.02	-0.28	3.40e-05	-1.47e-04	-2.69e-06
108	56	0.04	-0.03	-0.25	3.98e-04	2.11e-04	1.31e-06
108	57	-0.03	0.03	-0.31	-7.32e-04	-7.42e-04	-4.19e-06
108	58	-0.03	0.02	-0.28	-3.68e-04	-3.84e-04	0.0
108	59	-1.82e-03	0.04	-0.33	-6.97e-04	-7.94e-04	-7.94e-06
108	60	0.02	-0.02	-0.22	5.84e-04	4.36e-04	5.50e-06
108	61	-0.02	0.02	-0.34	-9.18e-04	-9.66e-04	-8.39e-06
108	62	2.18e-03	-0.03	-0.23	3.63e-04	2.63e-04	5.06e-06
108	63	-1.92e-03	0.02	-0.33	-6.93e-04	-7.91e-04	-7.94e-06
108	64	0.02	-0.03	-0.22	5.88e-04	4.39e-04	5.51e-06
108	65	-0.02	0.04	-0.34	-9.23e-04	-9.69e-04	-8.39e-06
108	66	2.27e-03	-0.02	-0.23	3.58e-04	2.60e-04	5.06e-06
108	67	-2.87e-03	0.03	-0.33	-6.64e-04	-7.76e-04	-7.89e-06
108	68	0.02	-0.02	-0.22	5.50e-04	4.18e-04	5.45e-06
108	69	-0.02	0.02	-0.34	-8.85e-04	-9.48e-04	-8.33e-06
108	70	3.23e-03	-0.03	-0.23	3.29e-04	2.45e-04	5.01e-06
108	71	-2.96e-03	0.02	-0.33	-6.59e-04	-7.73e-04	-7.89e-06
108	72	0.02	-0.03	-0.22	5.55e-04	4.21e-04	5.45e-06
108	73	-0.02	0.03	-0.34	-8.89e-04	-9.51e-04	-8.34e-06
108	74	3.32e-03	-0.02	-0.23	3.25e-04	2.42e-04	5.00e-06
108	75	0.02	0.03	-0.28	-2.15e-05	-1.80e-04	-2.50e-06
108	76	0.03	0.01	-0.25	2.96e-04	1.25e-04	0.0
108	77	-0.03	-0.01	-0.31	-6.30e-04	-6.55e-04	-3.72e-06
108	78	-0.02	-0.03	-0.28	-3.13e-04	-3.50e-04	0.0
108	79	0.02	0.03	-0.28	-1.32e-05	-1.76e-04	-2.48e-06
108	80	0.03	0.01	-0.25	2.88e-04	1.20e-04	0.0
108	81	-0.03	-0.01	-0.31	-6.22e-04	-6.51e-04	-3.71e-06
108	82	-0.02	-0.03	-0.28	-3.21e-04	-3.55e-04	0.0
108	83	0.02	-0.01	-0.28	-9.24e-06	-1.72e-04	-2.49e-06
108	84	0.03	-0.03	-0.25	3.08e-04	1.33e-04	0.0
108	85	-0.03	0.03	-0.31	-6.43e-04	-6.64e-04	-3.73e-06
108	86	-0.02	0.01	-0.28	-3.25e-04	-3.59e-04	0.0
108	87	0.02	-0.01	-0.28	0.0	-1.67e-04	-2.48e-06
108	88	0.03	-0.03	-0.25	3.00e-04	1.29e-04	0.0
108	89	-0.03	0.03	-0.31	-6.34e-04	-6.59e-04	-3.71e-06
108	90	-0.02	0.01	-0.28	-3.33e-04	-3.63e-04	0.0
108	91	-1.47e-03	0.03	-0.32	-6.05e-04	-7.02e-04	-6.82e-06
108	92	0.02	-0.02	-0.23	4.54e-04	3.14e-04	4.30e-06
108	93	-0.02	0.02	-0.33	-7.88e-04	-8.44e-04	-7.18e-06
108	94	1.83e-03	-0.03	-0.24	2.71e-04	1.71e-04	3.93e-06
108	95	-1.55e-03	0.02	-0.32	-6.01e-04	-6.99e-04	-6.81e-06
108	96	0.02	-0.03	-0.23	4.57e-04	3.16e-04	4.30e-06
108	97	-0.02	0.03	-0.33	-7.91e-04	-8.47e-04	-7.18e-06
108	98	1.91e-03	-0.02	-0.24	2.67e-04	1.69e-04	3.93e-06
108	99	-2.34e-03	0.03	-0.33	-5.77e-04	-6.87e-04	-6.77e-06
108	100	0.02	-0.01	-0.23	4.26e-04	2.99e-04	4.25e-06
108	101	-0.02	0.01	-0.33	-7.60e-04	-8.30e-04	-7.14e-06
108	102	2.70e-03	-0.03	-0.24	2.43e-04	1.57e-04	3.89e-06
108	103	-2.42e-03	0.01	-0.33	-5.74e-04	-6.85e-04	-6.77e-06
108	104	0.02	-0.03	-0.23	4.30e-04	3.02e-04	4.26e-06
108	105	-0.02	0.03	-0.33	-7.64e-04	-8.32e-04	-7.14e-06
108	106	2.78e-03	-0.01	-0.24	2.40e-04	1.54e-04	3.89e-06
115	1	-1.33e-04	1.09e-04	-0.26	-6.97e-05	-9.74e-05	0.0
115	2	2.69e-04	7.75e-05	-0.38	-3.51e-04	-5.85e-04	0.0
115	3	-1.10e-04	8.42e-05	-0.20	-4.83e-05	-6.58e-05	0.0
115	4	2.92e-04	5.30e-05	-0.32	-3.30e-04	-5.53e-04	0.0
115	5	-1.06e-04	8.38e-05	-0.20	-5.13e-05	-7.10e-05	0.0
115	6	1.62e-04	6.31e-05	-0.28	-2.39e-04	-3.96e-04	0.0
115	7	-1.06e-04	8.38e-05	-0.20	-5.13e-05	-7.10e-05	0.0
115	8	8.17e-05	6.93e-05	-0.26	-1.83e-04	-2.99e-04	0.0
115	9	-1.06e-04	8.38e-05	-0.20	-5.13e-05	-7.10e-05	0.0
115	10	5.49e-05	7.14e-05	-0.25	-1.64e-04	-2.66e-04	0.0
115	11	0.03	0.04	-0.31	6.10e-05	-1.32e-04	0.0
115	12	0.05	0.02	-0.34	5.38e-04	3.34e-04	0.0

115	13	-0.05	-0.02	-0.16	-8.66e-04	-8.66e-04	0.0
115	14	-0.03	-0.04	-0.19	-3.89e-04	-4.00e-04	0.0
115	15	0.03	0.04	-0.31	7.38e-05	-1.25e-04	0.0
115	16	0.05	0.02	-0.34	5.26e-04	3.28e-04	0.0
115	17	-0.05	-0.02	-0.16	-8.54e-04	-8.60e-04	0.0
115	18	-0.03	-0.04	-0.19	-4.02e-04	-4.07e-04	0.0
115	19	0.03	-0.02	-0.31	7.98e-05	-1.19e-04	0.0
115	20	0.05	-0.04	-0.34	5.57e-04	3.47e-04	0.0
115	21	-0.05	0.04	-0.16	-8.85e-04	-8.79e-04	0.0
115	22	-0.03	0.02	-0.19	-4.08e-04	-4.13e-04	0.0
115	23	0.03	-0.02	-0.31	9.25e-05	-1.12e-04	0.0
115	24	0.05	-0.04	-0.34	5.44e-04	3.41e-04	0.0
115	25	-0.05	0.04	-0.16	-8.72e-04	-8.73e-04	0.0
115	26	-0.03	0.02	-0.19	-4.20e-04	-4.20e-04	0.0
115	27	-7.79e-03	0.04	-0.22	-8.20e-04	-9.33e-04	0.0
115	28	0.03	-0.02	-0.32	7.71e-04	6.21e-04	0.0
115	29	-0.03	0.02	-0.18	-1.10e-03	-1.15e-03	0.0
115	30	7.90e-03	-0.04	-0.28	4.92e-04	4.01e-04	0.0
115	31	-7.95e-03	0.02	-0.22	-8.15e-04	-9.29e-04	0.0
115	32	0.03	-0.04	-0.32	7.76e-04	6.25e-04	0.0
115	33	-0.03	0.04	-0.18	-1.10e-03	-1.16e-03	0.0
115	34	8.06e-03	-0.02	-0.28	4.87e-04	3.97e-04	0.0
115	35	-8.53e-03	0.03	-0.23	-7.78e-04	-9.11e-04	0.0
115	36	0.03	-0.02	-0.32	7.28e-04	5.99e-04	0.0
115	37	-0.03	0.02	-0.18	-1.06e-03	-1.13e-03	0.0
115	38	8.64e-03	-0.03	-0.27	4.50e-04	3.79e-04	0.0
115	39	-8.70e-03	0.02	-0.23	-7.72e-04	-9.07e-04	0.0
115	40	0.03	-0.03	-0.32	7.34e-04	6.03e-04	0.0
115	41	-0.03	0.03	-0.18	-1.06e-03	-1.13e-03	0.0
115	42	8.81e-03	-0.02	-0.27	4.44e-04	3.75e-04	0.0
115	43	0.03	0.03	-0.30	1.45e-05	-1.61e-04	0.0
115	44	0.04	0.02	-0.32	3.92e-04	2.08e-04	0.0
115	45	-0.04	-0.02	-0.18	-7.20e-04	-7.40e-04	0.0
115	46	-0.03	-0.03	-0.20	-3.43e-04	-3.71e-04	0.0
115	47	0.03	0.03	-0.30	2.46e-05	-1.56e-04	0.0
115	48	0.04	0.02	-0.32	3.82e-04	2.03e-04	0.0
115	49	-0.04	-0.02	-0.18	-7.10e-04	-7.35e-04	0.0
115	50	-0.03	-0.03	-0.20	-3.53e-04	-3.76e-04	0.0
115	51	0.03	-0.02	-0.30	2.93e-05	-1.51e-04	0.0
115	52	0.04	-0.03	-0.32	4.07e-04	2.18e-04	0.0
115	53	-0.04	0.03	-0.18	-7.35e-04	-7.50e-04	0.0
115	54	-0.03	0.02	-0.20	-3.57e-04	-3.81e-04	0.0
115	55	0.03	-0.02	-0.30	3.93e-05	-1.46e-04	0.0
115	56	0.04	-0.03	-0.32	3.97e-04	2.13e-04	0.0
115	57	-0.04	0.03	-0.18	-7.25e-04	-7.45e-04	0.0
115	58	-0.03	0.02	-0.20	-3.67e-04	-3.86e-04	0.0
115	59	-6.10e-03	0.03	-0.23	-6.83e-04	-7.95e-04	0.0
115	60	0.03	-0.02	-0.31	5.76e-04	4.36e-04	0.0
115	61	-0.03	0.02	-0.19	-9.04e-04	-9.68e-04	0.0
115	62	6.21e-03	-0.03	-0.27	3.55e-04	2.63e-04	0.0
115	63	-6.25e-03	0.02	-0.23	-6.79e-04	-7.92e-04	0.0
115	64	0.03	-0.03	-0.31	5.80e-04	4.39e-04	0.0
115	65	-0.03	0.03	-0.19	-9.08e-04	-9.71e-04	0.0
115	66	6.36e-03	-0.02	-0.27	3.51e-04	2.60e-04	0.0
115	67	-6.70e-03	0.03	-0.23	-6.50e-04	-7.77e-04	0.0
115	68	0.03	-0.01	-0.30	5.42e-04	4.19e-04	0.0
115	69	-0.03	0.01	-0.20	-8.70e-04	-9.51e-04	0.0
115	70	6.81e-03	-0.03	-0.27	3.22e-04	2.45e-04	0.0
115	71	-6.85e-03	0.01	-0.23	-6.45e-04	-7.74e-04	0.0
115	72	0.03	-0.03	-0.31	5.47e-04	4.22e-04	0.0
115	73	-0.03	0.03	-0.19	-8.75e-04	-9.54e-04	0.0
115	74	6.96e-03	-0.01	-0.27	3.17e-04	2.42e-04	0.0
115	75	0.02	0.03	-0.29	-1.65e-05	-1.79e-04	0.0
115	76	0.03	0.01	-0.31	2.96e-04	1.26e-04	0.0
115	77	-0.03	-0.01	-0.19	-6.24e-04	-6.58e-04	0.0
115	78	-0.02	-0.03	-0.21	-3.12e-04	-3.53e-04	0.0
115	79	0.02	0.02	-0.29	-8.17e-06	-1.75e-04	0.0
115	80	0.03	0.01	-0.31	2.87e-04	1.22e-04	0.0
115	81	-0.03	-0.01	-0.19	-6.15e-04	-6.54e-04	0.0
115	82	-0.02	-0.02	-0.21	-3.20e-04	-3.57e-04	0.0
115	83	0.02	-0.01	-0.29	-4.25e-06	-1.71e-04	0.0
115	84	0.03	-0.03	-0.31	3.08e-04	1.34e-04	0.0

115	85	-0.03	0.03	-0.19	-6.36e-04	-6.66e-04	0.0
115	86	-0.02	0.01	-0.21	-3.24e-04	-3.61e-04	0.0
115	87	0.02	-0.01	-0.29	4.04e-06	-1.66e-04	0.0
115	88	0.03	-0.02	-0.31	3.00e-04	1.30e-04	0.0
115	89	-0.03	0.02	-0.19	-6.28e-04	-6.62e-04	0.0
115	90	-0.02	0.01	-0.21	-3.32e-04	-3.66e-04	0.0
115	91	-5.03e-03	0.02	-0.23	-5.93e-04	-7.03e-04	0.0
115	92	0.02	-0.01	-0.30	4.47e-04	3.15e-04	0.0
115	93	-0.02	0.01	-0.20	-7.75e-04	-8.47e-04	0.0
115	94	5.14e-03	-0.02	-0.27	2.65e-04	1.71e-04	0.0
115	95	-5.15e-03	0.01	-0.23	-5.90e-04	-7.00e-04	0.0
115	96	0.02	-0.02	-0.30	4.51e-04	3.17e-04	0.0
115	97	-0.02	0.02	-0.20	-7.79e-04	-8.49e-04	0.0
115	98	5.26e-03	-0.01	-0.27	2.62e-04	1.68e-04	0.0
115	99	-5.52e-03	0.02	-0.23	-5.66e-04	-6.88e-04	0.0
115	100	0.02	-0.01	-0.30	4.20e-04	3.00e-04	0.0
115	101	-0.02	0.01	-0.20	-7.48e-04	-8.32e-04	0.0
115	102	5.63e-03	-0.02	-0.27	2.38e-04	1.56e-04	0.0
115	103	-5.65e-03	0.01	-0.23	-5.62e-04	-6.86e-04	0.0
115	104	0.02	-0.02	-0.30	4.23e-04	3.02e-04	0.0
115	105	-0.02	0.02	-0.20	-7.51e-04	-8.35e-04	0.0
115	106	5.76e-03	-0.01	-0.27	2.34e-04	1.54e-04	0.0
116	1	4.15e-05	1.22e-04	-0.27	-6.96e-05	-9.80e-05	0.0
116	2	4.42e-04	9.10e-05	-0.41	-3.51e-04	-5.87e-04	0.0
116	3	2.44e-05	9.44e-05	-0.21	-4.83e-05	-6.62e-05	0.0
116	4	4.25e-04	6.35e-05	-0.35	-3.30e-04	-5.55e-04	0.0
116	5	2.87e-05	9.40e-05	-0.21	-5.13e-05	-7.14e-05	0.0
116	6	2.95e-04	7.35e-05	-0.30	-2.39e-04	-3.97e-04	0.0
116	7	2.87e-05	9.40e-05	-0.21	-5.13e-05	-7.14e-05	0.0
116	8	2.15e-04	7.96e-05	-0.27	-1.83e-04	-2.99e-04	0.0
116	9	2.87e-05	9.40e-05	-0.21	-5.13e-05	-7.14e-05	0.0
116	10	1.89e-04	8.17e-05	-0.26	-1.64e-04	-2.67e-04	0.0
116	11	0.04	0.04	-0.30	6.27e-05	-1.35e-04	0.0
116	12	0.04	0.02	-0.31	5.40e-04	3.33e-04	0.0
116	13	-0.04	-0.02	-0.21	-8.68e-04	-8.67e-04	0.0
116	14	-0.04	-0.04	-0.23	-3.91e-04	-3.99e-04	0.0
116	15	0.04	0.04	-0.31	7.54e-05	-1.28e-04	0.0
116	16	0.05	0.02	-0.30	5.27e-04	3.26e-04	0.0
116	17	-0.04	-0.02	-0.23	-8.55e-04	-8.60e-04	0.0
116	18	-0.04	-0.04	-0.21	-4.03e-04	-4.06e-04	0.0
116	19	0.04	-0.02	-0.30	8.14e-05	-1.22e-04	0.0
116	20	0.04	-0.04	-0.31	5.58e-04	3.46e-04	0.0
116	21	-0.04	0.04	-0.21	-8.86e-04	-8.79e-04	0.0
116	22	-0.04	0.02	-0.23	-4.09e-04	-4.12e-04	0.0
116	23	0.04	-0.02	-0.31	9.41e-05	-1.15e-04	0.0
116	24	0.04	-0.04	-0.30	5.46e-04	3.39e-04	0.0
116	25	-0.04	0.04	-0.23	-8.74e-04	-8.73e-04	0.0
116	26	-0.03	0.02	-0.21	-4.22e-04	-4.19e-04	0.0
116	27	-2.36e-03	0.04	-0.25	-8.19e-04	-9.37e-04	0.0
116	28	0.03	-0.02	-0.30	7.71e-04	6.22e-04	0.0
116	29	-0.03	0.02	-0.23	-1.10e-03	-1.16e-03	0.0
116	30	2.74e-03	-0.04	-0.27	4.92e-04	4.03e-04	0.0
116	31	-2.46e-03	0.02	-0.25	-8.14e-04	-9.33e-04	0.0
116	32	0.03	-0.04	-0.30	7.76e-04	6.26e-04	0.0
116	33	-0.03	0.04	-0.23	-1.10e-03	-1.16e-03	0.0
116	34	2.83e-03	-0.02	-0.27	4.86e-04	3.99e-04	0.0
116	35	-3.70e-03	0.04	-0.30	-7.77e-04	-9.14e-04	0.0
116	36	0.03	-0.02	-0.25	7.28e-04	6.00e-04	0.0
116	37	-0.03	0.02	-0.28	-1.06e-03	-1.13e-03	0.0
116	38	4.07e-03	-0.03	-0.22	4.49e-04	3.80e-04	0.0
116	39	-3.79e-03	0.02	-0.30	-7.71e-04	-9.10e-04	0.0
116	40	0.03	-0.03	-0.25	7.34e-04	6.04e-04	0.0
116	41	-0.03	0.04	-0.28	-1.06e-03	-1.14e-03	0.0
116	42	4.17e-03	-0.02	-0.22	4.44e-04	3.77e-04	0.0
116	43	0.03	0.03	-0.29	1.59e-05	-1.64e-04	0.0
116	44	0.04	0.02	-0.30	3.93e-04	2.07e-04	0.0
116	45	-0.03	-0.02	-0.22	-7.21e-04	-7.41e-04	0.0
116	46	-0.03	-0.03	-0.24	-3.44e-04	-3.70e-04	0.0
116	47	0.03	0.03	-0.30	2.59e-05	-1.58e-04	0.0
116	48	0.04	0.02	-0.29	3.83e-04	2.02e-04	0.0
116	49	-0.04	-0.02	-0.24	-7.11e-04	-7.35e-04	0.0
116	50	-0.03	-0.03	-0.22	-3.54e-04	-3.75e-04	0.0

116	51	0.03	-0.02	-0.29	3.06e-05	-1.54e-04	0.0
116	52	0.03	-0.03	-0.30	4.08e-04	2.17e-04	0.0
116	53	-0.03	0.03	-0.22	-7.36e-04	-7.51e-04	0.0
116	54	-0.03	0.02	-0.23	-3.58e-04	-3.80e-04	0.0
116	55	0.03	-0.02	-0.30	4.07e-05	-1.48e-04	0.0
116	56	0.04	-0.03	-0.29	3.98e-04	2.12e-04	0.0
116	57	-0.03	0.03	-0.24	-7.26e-04	-7.45e-04	0.0
116	58	-0.03	0.02	-0.22	-3.68e-04	-3.85e-04	0.0
116	59	-1.80e-03	0.03	-0.25	-6.82e-04	-7.98e-04	0.0
116	60	0.02	-0.02	-0.29	5.76e-04	4.37e-04	0.0
116	61	-0.02	0.02	-0.23	-9.04e-04	-9.71e-04	0.0
116	62	2.17e-03	-0.03	-0.27	3.55e-04	2.64e-04	0.0
116	63	-1.89e-03	0.02	-0.25	-6.78e-04	-7.95e-04	0.0
116	64	0.02	-0.03	-0.29	5.80e-04	4.40e-04	0.0
116	65	-0.02	0.03	-0.23	-9.08e-04	-9.74e-04	0.0
116	66	2.27e-03	-0.02	-0.27	3.50e-04	2.61e-04	0.0
116	67	-2.85e-03	0.03	-0.29	-6.49e-04	-7.80e-04	0.0
116	68	0.02	-0.01	-0.25	5.42e-04	4.19e-04	0.0
116	69	-0.02	0.01	-0.27	-8.70e-04	-9.53e-04	0.0
116	70	3.23e-03	-0.03	-0.23	3.21e-04	2.46e-04	0.0
116	71	-2.94e-03	0.01	-0.29	-6.45e-04	-7.77e-04	0.0
116	72	0.02	-0.03	-0.25	5.47e-04	4.22e-04	0.0
116	73	-0.02	0.03	-0.27	-8.75e-04	-9.56e-04	0.0
116	74	3.32e-03	-0.01	-0.23	3.17e-04	2.43e-04	0.0
116	75	0.02	0.03	-0.29	-1.53e-05	-1.81e-04	0.0
116	76	0.03	0.01	-0.29	2.97e-04	1.25e-04	0.0
116	77	-0.03	-0.01	-0.23	-6.24e-04	-6.58e-04	0.0
116	78	-0.02	-0.03	-0.24	-3.12e-04	-3.52e-04	0.0
116	79	0.02	0.02	-0.29	-7.06e-06	-1.77e-04	0.0
116	80	0.03	0.01	-0.28	2.88e-04	1.20e-04	0.0
116	81	-0.03	-0.01	-0.24	-6.16e-04	-6.54e-04	0.0
116	82	-0.02	-0.02	-0.23	-3.21e-04	-3.57e-04	0.0
116	83	0.02	-0.01	-0.29	-3.12e-06	-1.73e-04	0.0
116	84	0.03	-0.03	-0.29	3.09e-04	1.33e-04	0.0
116	85	-0.03	0.03	-0.23	-6.37e-04	-6.67e-04	0.0
116	86	-0.02	0.01	-0.24	-3.25e-04	-3.61e-04	0.0
116	87	0.02	-0.01	-0.30	5.16e-06	-1.69e-04	0.0
116	88	0.03	-0.02	-0.29	3.01e-04	1.29e-04	0.0
116	89	-0.03	0.02	-0.24	-6.28e-04	-6.62e-04	0.0
116	90	-0.02	0.01	-0.23	-3.33e-04	-3.65e-04	0.0
116	91	-1.45e-03	0.02	-0.26	-5.92e-04	-7.05e-04	0.0
116	92	0.02	-0.01	-0.29	4.47e-04	3.15e-04	0.0
116	93	-0.02	0.01	-0.24	-7.75e-04	-8.49e-04	0.0
116	94	1.83e-03	-0.02	-0.27	2.65e-04	1.72e-04	0.0
116	95	-1.53e-03	0.01	-0.26	-5.89e-04	-7.03e-04	0.0
116	96	0.02	-0.02	-0.29	4.51e-04	3.17e-04	0.0
116	97	-0.02	0.02	-0.24	-7.79e-04	-8.51e-04	0.0
116	98	1.91e-03	-0.01	-0.27	2.61e-04	1.69e-04	0.0
116	99	-2.32e-03	0.02	-0.29	-5.65e-04	-6.91e-04	0.0
116	100	0.02	-0.01	-0.25	4.20e-04	3.00e-04	0.0
116	101	-0.02	0.01	-0.27	-7.48e-04	-8.34e-04	0.0
116	102	2.70e-03	-0.02	-0.24	2.37e-04	1.57e-04	0.0
116	103	-2.40e-03	0.01	-0.29	-5.61e-04	-6.88e-04	0.0
116	104	0.02	-0.02	-0.25	4.23e-04	3.03e-04	0.0
116	105	-0.02	0.02	-0.27	-7.51e-04	-8.36e-04	0.0
116	106	2.78e-03	-0.01	-0.24	2.33e-04	1.55e-04	0.0
117	1	5.12e-05	-7.03e-05	-0.26	-6.93e-05	-9.78e-05	0.0
117	2	4.58e-04	-9.92e-05	-0.37	-3.50e-04	-5.87e-04	0.0
117	3	3.17e-05	-5.36e-05	-0.20	-4.80e-05	-6.60e-05	0.0
117	4	4.39e-04	-8.24e-05	-0.31	-3.28e-04	-5.55e-04	0.0
117	5	3.60e-05	-5.39e-05	-0.20	-5.10e-05	-7.12e-05	0.0
117	6	3.07e-04	-7.31e-05	-0.27	-2.38e-04	-3.97e-04	0.0
117	7	3.60e-05	-5.39e-05	-0.20	-5.10e-05	-7.12e-05	0.0
117	8	2.26e-04	-6.73e-05	-0.25	-1.82e-04	-2.99e-04	0.0
117	9	3.60e-05	-5.39e-05	-0.20	-5.10e-05	-7.12e-05	0.0
117	10	1.99e-04	-6.54e-05	-0.24	-1.63e-04	-2.67e-04	0.0
117	11	0.04	0.04	-0.30	6.18e-05	-1.31e-04	0.0
117	12	0.04	0.02	-0.32	5.42e-04	3.31e-04	0.0
117	13	-0.04	-0.02	-0.16	-8.69e-04	-8.65e-04	0.0
117	14	-0.04	-0.04	-0.19	-3.88e-04	-4.03e-04	0.0
117	15	0.04	0.04	-0.30	7.45e-05	-1.24e-04	0.0
117	16	0.05	0.02	-0.32	5.29e-04	3.25e-04	0.0

117	17	-0.04	-0.02	-0.17	-8.56e-04	-8.58e-04	0.0
117	18	-0.04	-0.04	-0.19	-4.01e-04	-4.09e-04	0.0
117	19	0.04	-0.02	-0.30	8.06e-05	-1.18e-04	0.0
117	20	0.04	-0.04	-0.32	5.61e-04	3.44e-04	0.0
117	21	-0.04	0.04	-0.16	-8.87e-04	-8.78e-04	0.0
117	22	-0.04	0.02	-0.19	-4.07e-04	-4.16e-04	0.0
117	23	0.04	-0.02	-0.30	9.33e-05	-1.11e-04	0.0
117	24	0.04	-0.04	-0.32	5.48e-04	3.37e-04	0.0
117	25	-0.04	0.04	-0.16	-8.75e-04	-8.71e-04	0.0
117	26	-0.03	0.02	-0.19	-4.20e-04	-4.22e-04	0.0
117	27	-2.19e-03	0.03	-0.22	-8.24e-04	-9.27e-04	0.0
117	28	0.03	-0.02	-0.31	7.77e-04	6.14e-04	0.0
117	29	-0.03	0.02	-0.18	-1.10e-03	-1.15e-03	0.0
117	30	2.59e-03	-0.03	-0.27	4.98e-04	3.93e-04	0.0
117	31	-2.28e-03	0.02	-0.22	-8.19e-04	-9.23e-04	0.0
117	32	0.03	-0.03	-0.31	7.83e-04	6.17e-04	0.0
117	33	-0.03	0.03	-0.18	-1.11e-03	-1.15e-03	0.0
117	34	2.68e-03	-0.02	-0.27	4.92e-04	3.90e-04	0.0
117	35	-3.56e-03	0.03	-0.22	-7.82e-04	-9.05e-04	0.0
117	36	0.03	-0.01	-0.31	7.34e-04	5.91e-04	0.0
117	37	-0.03	0.01	-0.18	-1.06e-03	-1.12e-03	0.0
117	38	3.96e-03	-0.03	-0.27	4.55e-04	3.71e-04	0.0
117	39	-3.65e-03	0.01	-0.22	-7.76e-04	-9.01e-04	0.0
117	40	0.03	-0.03	-0.31	7.40e-04	5.95e-04	0.0
117	41	-0.03	0.03	-0.18	-1.07e-03	-1.13e-03	0.0
117	42	4.05e-03	-0.01	-0.27	4.50e-04	3.67e-04	0.0
117	43	0.03	0.03	-0.28	1.53e-05	-1.60e-04	0.0
117	44	0.04	0.02	-0.31	3.95e-04	2.05e-04	0.0
117	45	-0.03	-0.02	-0.18	-7.22e-04	-7.39e-04	0.0
117	46	-0.03	-0.03	-0.20	-3.42e-04	-3.73e-04	0.0
117	47	0.03	0.03	-0.29	2.53e-05	-1.55e-04	0.0
117	48	0.04	0.02	-0.31	3.85e-04	2.00e-04	0.0
117	49	-0.04	-0.02	-0.18	-7.12e-04	-7.34e-04	0.0
117	50	-0.03	-0.03	-0.20	-3.52e-04	-3.78e-04	0.0
117	51	0.03	-0.02	-0.29	3.01e-05	-1.50e-04	0.0
117	52	0.03	-0.03	-0.31	4.10e-04	2.15e-04	0.0
117	53	-0.03	0.03	-0.18	-7.37e-04	-7.49e-04	0.0
117	54	-0.03	0.02	-0.20	-3.56e-04	-3.83e-04	0.0
117	55	0.03	-0.02	-0.29	4.02e-05	-1.45e-04	0.0
117	56	0.04	-0.03	-0.31	4.00e-04	2.10e-04	0.0
117	57	-0.03	0.03	-0.18	-7.27e-04	-7.44e-04	0.0
117	58	-0.03	0.02	-0.20	-3.67e-04	-3.88e-04	0.0
117	59	-1.66e-03	0.03	-0.22	-6.86e-04	-7.90e-04	0.0
117	60	0.02	-0.01	-0.29	5.81e-04	4.30e-04	0.0
117	61	-0.02	0.01	-0.19	-9.07e-04	-9.64e-04	0.0
117	62	2.06e-03	-0.03	-0.26	3.60e-04	2.56e-04	0.0
117	63	-1.75e-03	0.01	-0.22	-6.82e-04	-7.87e-04	0.0
117	64	0.02	-0.03	-0.30	5.85e-04	4.33e-04	0.0
117	65	-0.02	0.03	-0.19	-9.12e-04	-9.67e-04	0.0
117	66	2.15e-03	-0.01	-0.26	3.55e-04	2.53e-04	0.0
117	67	-2.74e-03	0.02	-0.23	-6.53e-04	-7.73e-04	0.0
117	68	0.02	-9.75e-03	-0.29	5.47e-04	4.13e-04	0.0
117	69	-0.02	9.62e-03	-0.19	-8.74e-04	-9.46e-04	0.0
117	70	3.14e-03	-0.02	-0.26	3.26e-04	2.39e-04	0.0
117	71	-2.83e-03	9.73e-03	-0.23	-6.48e-04	-7.70e-04	0.0
117	72	0.02	-0.02	-0.29	5.52e-04	4.16e-04	0.0
117	73	-0.02	0.02	-0.19	-8.78e-04	-9.49e-04	0.0
117	74	3.23e-03	-9.86e-03	-0.26	3.22e-04	2.36e-04	0.0
117	75	0.02	0.02	-0.28	-1.57e-05	-1.79e-04	0.0
117	76	0.03	0.01	-0.30	2.99e-04	1.24e-04	0.0
117	77	-0.03	-0.02	-0.19	-6.25e-04	-6.57e-04	0.0
117	78	-0.02	-0.02	-0.21	-3.11e-04	-3.55e-04	0.0
117	79	0.02	0.02	-0.28	-7.39e-06	-1.74e-04	0.0
117	80	0.03	0.02	-0.29	2.90e-04	1.19e-04	0.0
117	81	-0.03	-0.02	-0.19	-6.17e-04	-6.53e-04	0.0
117	82	-0.02	-0.02	-0.21	-3.19e-04	-3.59e-04	0.0
117	83	0.02	-0.01	-0.28	-3.45e-06	-1.70e-04	0.0
117	84	0.03	-0.02	-0.30	3.11e-04	1.32e-04	0.0
117	85	-0.03	0.02	-0.19	-6.37e-04	-6.66e-04	0.0
117	86	-0.02	0.01	-0.21	-3.23e-04	-3.63e-04	0.0
117	87	0.02	-0.02	-0.28	4.87e-06	-1.66e-04	0.0
117	88	0.03	-0.02	-0.30	3.02e-04	1.28e-04	0.0

117	89	-0.03	0.02	-0.19	-6.29e-04	-6.61e-04	0.0
117	90	-0.02	0.02	-0.21	-3.31e-04	-3.67e-04	0.0
117	91	-1.34e-03	0.02	-0.23	-5.96e-04	-6.99e-04	0.0
117	92	0.02	-9.83e-03	-0.29	4.52e-04	3.09e-04	0.0
117	93	-0.02	9.70e-03	-0.20	-7.78e-04	-8.43e-04	0.0
117	94	1.74e-03	-0.02	-0.26	2.69e-04	1.66e-04	0.0
117	95	-1.41e-03	9.80e-03	-0.23	-5.92e-04	-6.97e-04	0.0
117	96	0.02	-0.02	-0.29	4.56e-04	3.12e-04	0.0
117	97	-0.02	0.02	-0.20	-7.82e-04	-8.45e-04	0.0
117	98	1.81e-03	-9.93e-03	-0.26	2.65e-04	1.63e-04	0.0
117	99	-2.23e-03	0.02	-0.23	-5.68e-04	-6.85e-04	0.0
117	100	0.02	-8.11e-03	-0.28	4.24e-04	2.95e-04	0.0
117	101	-0.02	7.98e-03	-0.20	-7.51e-04	-8.28e-04	0.0
117	102	2.63e-03	-0.02	-0.26	2.41e-04	1.51e-04	0.0
117	103	-2.31e-03	8.08e-03	-0.23	-5.64e-04	-6.82e-04	0.0
117	104	0.02	-0.02	-0.28	4.28e-04	2.97e-04	0.0
117	105	-0.02	0.02	-0.20	-7.54e-04	-8.31e-04	0.0
117	106	2.71e-03	-8.21e-03	-0.26	2.38e-04	1.49e-04	0.0
118	1	1.65e-04	-1.76e-04	-0.26	-2.59e-05	-1.32e-04	0.0
118	2	6.56e-04	-1.39e-04	-0.36	-2.05e-04	-7.03e-04	0.0
118	3	1.17e-04	-1.36e-04	-0.20	-1.65e-05	-9.05e-05	0.0
118	4	6.09e-04	-9.92e-05	-0.29	-1.96e-04	-6.62e-04	0.0
118	5	1.23e-04	-1.36e-04	-0.20	-1.85e-05	-9.66e-05	0.0
118	6	4.50e-04	-1.11e-04	-0.26	-1.38e-04	-4.78e-04	0.0
118	7	1.23e-04	-1.36e-04	-0.20	-1.85e-05	-9.66e-05	0.0
118	8	3.52e-04	-1.18e-04	-0.24	-1.02e-04	-3.63e-04	0.0
118	9	1.23e-04	-1.36e-04	-0.20	-1.85e-05	-9.66e-05	0.0
118	10	3.19e-04	-1.21e-04	-0.24	-9.02e-05	-3.25e-04	0.0
118	11	0.04	0.04	-0.29	1.76e-04	-1.73e-04	0.0
118	12	0.04	0.02	-0.31	5.48e-04	3.02e-04	0.0
118	13	-0.04	-0.02	-0.16	-7.29e-04	-9.53e-04	0.0
118	14	-0.04	-0.04	-0.19	-3.56e-04	-4.77e-04	0.0
118	15	0.04	0.04	-0.29	1.88e-04	-1.68e-04	0.0
118	16	0.04	0.02	-0.31	5.36e-04	2.97e-04	0.0
118	17	-0.04	-0.02	-0.16	-7.16e-04	-9.47e-04	0.0
118	18	-0.04	-0.04	-0.19	-3.69e-04	-4.83e-04	0.0
118	19	0.04	-0.02	-0.29	1.94e-04	-1.60e-04	0.0
118	20	0.04	-0.04	-0.31	5.67e-04	3.15e-04	0.0
118	21	-0.04	0.04	-0.16	-7.47e-04	-9.66e-04	0.0
118	22	-0.04	0.02	-0.19	-3.75e-04	-4.90e-04	0.0
118	23	0.04	-0.02	-0.29	2.07e-04	-1.54e-04	0.0
118	24	0.04	-0.04	-0.31	5.54e-04	3.10e-04	0.0
118	25	-0.03	0.04	-0.16	-7.35e-04	-9.60e-04	0.0
118	26	-0.04	0.02	-0.19	-3.87e-04	-4.96e-04	0.0
118	27	0.03	0.03	-0.21	-5.75e-04	-1.00e-03	0.0
118	28	-1.21e-03	-0.02	-0.30	6.66e-04	5.85e-04	0.0
118	29	1.85e-03	0.02	-0.18	-8.46e-04	-1.23e-03	0.0
118	30	-0.03	-0.03	-0.26	3.94e-04	3.51e-04	0.0
118	31	0.03	0.02	-0.21	-5.69e-04	-9.97e-04	0.0
118	32	-1.27e-03	-0.03	-0.30	6.71e-04	5.89e-04	0.0
118	33	1.91e-03	0.03	-0.18	-8.52e-04	-1.24e-03	0.0
118	34	-0.03	-0.02	-0.26	3.89e-04	3.47e-04	0.0
118	35	0.03	0.03	-0.22	-5.34e-04	-9.82e-04	0.0
118	36	-2.95e-03	-0.01	-0.30	6.25e-04	5.65e-04	0.0
118	37	3.59e-03	0.01	-0.18	-8.06e-04	-1.22e-03	0.0
118	38	-0.03	-0.03	-0.26	3.54e-04	3.32e-04	0.0
118	39	0.03	0.01	-0.22	-5.29e-04	-9.78e-04	0.0
118	40	-3.01e-03	-0.03	-0.30	6.31e-04	5.69e-04	0.0
118	41	3.65e-03	0.03	-0.18	-8.11e-04	-1.22e-03	0.0
118	42	-0.03	-0.01	-0.26	3.48e-04	3.28e-04	0.0
118	43	0.04	0.03	-0.28	1.21e-04	-2.07e-04	0.0
118	44	0.03	0.02	-0.30	4.15e-04	1.70e-04	0.0
118	45	-0.03	-0.02	-0.18	-5.96e-04	-8.20e-04	0.0
118	46	-0.03	-0.03	-0.20	-3.01e-04	-4.43e-04	0.0
118	47	0.04	0.03	-0.28	1.31e-04	-2.02e-04	0.0
118	48	0.03	0.02	-0.30	4.06e-04	1.65e-04	0.0
118	49	-0.03	-0.02	-0.18	-5.86e-04	-8.15e-04	0.0
118	50	-0.03	-0.03	-0.20	-3.11e-04	-4.48e-04	0.0
118	51	0.03	-0.02	-0.28	1.36e-04	-1.97e-04	0.0
118	52	0.03	-0.03	-0.30	4.30e-04	1.80e-04	0.0
118	53	-0.03	0.03	-0.18	-6.10e-04	-8.30e-04	0.0
118	54	-0.03	0.02	-0.20	-3.16e-04	-4.53e-04	0.0

118	55	0.04	-0.02	-0.28	1.45e-04	-1.92e-04	0.0
118	56	0.03	-0.03	-0.30	4.20e-04	1.75e-04	0.0
118	57	-0.03	0.03	-0.18	-6.01e-04	-8.25e-04	0.0
118	58	-0.03	0.02	-0.20	-3.26e-04	-4.58e-04	0.0
118	59	0.02	0.02	-0.22	-4.73e-04	-8.61e-04	0.0
118	60	-8.76e-04	-0.01	-0.29	5.08e-04	3.94e-04	0.0
118	61	1.51e-03	0.01	-0.19	-6.88e-04	-1.04e-03	0.0
118	62	-0.02	-0.02	-0.26	2.93e-04	2.10e-04	0.0
118	63	0.02	0.01	-0.22	-4.69e-04	-8.58e-04	0.0
118	64	-9.40e-04	-0.02	-0.29	5.12e-04	3.97e-04	0.0
118	65	1.58e-03	0.02	-0.19	-6.93e-04	-1.05e-03	0.0
118	66	-0.02	-0.01	-0.26	2.88e-04	2.07e-04	0.0
118	67	0.02	0.02	-0.22	-4.41e-04	-8.46e-04	0.0
118	68	-2.24e-03	-9.57e-03	-0.28	4.76e-04	3.79e-04	0.0
118	69	2.88e-03	9.33e-03	-0.19	-6.56e-04	-1.03e-03	0.0
118	70	-0.02	-0.02	-0.25	2.61e-04	1.95e-04	0.0
118	71	0.02	9.50e-03	-0.22	-4.37e-04	-8.43e-04	0.0
118	72	-2.31e-03	-0.02	-0.28	4.80e-04	3.82e-04	0.0
118	73	2.95e-03	0.02	-0.19	-6.61e-04	-1.03e-03	0.0
118	74	-0.02	-9.74e-03	-0.25	2.56e-04	1.92e-04	0.0
118	75	0.03	0.02	-0.27	8.44e-05	-2.27e-04	0.0
118	76	0.02	0.01	-0.29	3.28e-04	8.39e-05	0.0
118	77	-0.02	-0.01	-0.19	-5.08e-04	-7.34e-04	0.0
118	78	-0.03	-0.02	-0.21	-2.65e-04	-4.23e-04	0.0
118	79	0.03	0.02	-0.27	9.23e-05	-2.23e-04	0.0
118	80	0.02	0.02	-0.29	3.20e-04	8.02e-05	0.0
118	81	-0.02	-0.02	-0.19	-5.00e-04	-7.31e-04	0.0
118	82	-0.03	-0.02	-0.21	-2.73e-04	-4.27e-04	0.0
118	83	0.03	-0.01	-0.27	9.64e-05	-2.19e-04	0.0
118	84	0.02	-0.02	-0.29	3.40e-04	9.23e-05	0.0
118	85	-0.02	0.02	-0.19	-5.20e-04	-7.43e-04	0.0
118	86	-0.03	0.01	-0.20	-2.77e-04	-4.31e-04	0.0
118	87	0.03	-0.01	-0.27	1.04e-04	-2.15e-04	0.0
118	88	0.02	-0.02	-0.29	3.32e-04	8.86e-05	0.0
118	89	-0.02	0.02	-0.19	-5.12e-04	-7.39e-04	0.0
118	90	-0.03	0.01	-0.20	-2.85e-04	-4.35e-04	0.0
118	91	0.02	0.02	-0.22	-4.07e-04	-7.68e-04	0.0
118	92	-6.68e-04	-9.13e-03	-0.28	4.04e-04	2.70e-04	0.0
118	93	1.31e-03	8.89e-03	-0.20	-5.85e-04	-9.20e-04	0.0
118	94	-0.02	-0.02	-0.25	2.26e-04	1.17e-04	0.0
118	95	0.02	9.03e-03	-0.22	-4.03e-04	-7.65e-04	0.0
118	96	-7.21e-04	-0.02	-0.28	4.08e-04	2.72e-04	0.0
118	97	1.36e-03	0.02	-0.20	-5.88e-04	-9.22e-04	0.0
118	98	-0.02	-9.27e-03	-0.25	2.23e-04	1.15e-04	0.0
118	99	0.02	0.02	-0.22	-3.80e-04	-7.55e-04	0.0
118	100	-1.80e-03	-7.98e-03	-0.28	3.78e-04	2.57e-04	0.0
118	101	2.44e-03	7.74e-03	-0.20	-5.58e-04	-9.07e-04	0.0
118	102	-0.02	-0.02	-0.25	2.00e-04	1.05e-04	0.0
118	103	0.02	7.88e-03	-0.22	-3.77e-04	-7.53e-04	0.0
118	104	-1.85e-03	-0.02	-0.28	3.81e-04	2.60e-04	0.0
118	105	2.49e-03	0.02	-0.20	-5.62e-04	-9.10e-04	0.0
118	106	-0.02	-8.12e-03	-0.25	1.96e-04	1.02e-04	0.0
119	1	3.73e-04	-1.76e-04	-0.26	-2.51e-05	-1.32e-04	1.42e-06
119	2	7.52e-04	-1.35e-04	-0.37	-2.02e-04	-7.05e-04	5.49e-06
119	3	2.80e-04	-1.36e-04	-0.20	-1.59e-05	-9.10e-05	1.01e-06
119	4	6.58e-04	-9.55e-05	-0.31	-1.93e-04	-6.64e-04	5.08e-06
119	5	2.84e-04	-1.36e-04	-0.20	-1.78e-05	-9.71e-05	1.06e-06
119	6	5.36e-04	-1.09e-04	-0.27	-1.36e-04	-4.79e-04	3.77e-06
119	7	2.84e-04	-1.36e-04	-0.20	-1.78e-05	-9.71e-05	1.06e-06
119	8	4.60e-04	-1.17e-04	-0.25	-1.01e-04	-3.64e-04	2.96e-06
119	9	2.84e-04	-1.36e-04	-0.20	-1.78e-05	-9.71e-05	1.06e-06
119	10	4.35e-04	-1.19e-04	-0.24	-8.88e-05	-3.26e-04	2.69e-06
119	11	0.04	0.04	-0.28	1.82e-04	-1.76e-04	1.76e-05
119	12	0.03	0.02	-0.27	5.47e-04	3.05e-04	3.82e-06
119	13	-0.03	-0.02	-0.22	-7.25e-04	-9.57e-04	1.55e-06
119	14	-0.04	-0.04	-0.21	-3.60e-04	-4.77e-04	-1.22e-05
119	15	0.04	0.04	-0.28	1.94e-04	-1.70e-04	1.76e-05
119	16	0.03	0.02	-0.27	5.35e-04	2.99e-04	3.83e-06
119	17	-0.03	-0.02	-0.22	-7.13e-04	-9.51e-04	1.54e-06
119	18	-0.04	-0.04	-0.21	-3.72e-04	-4.82e-04	-1.22e-05
119	19	0.04	-0.02	-0.28	2.00e-04	-1.63e-04	1.74e-05
119	20	0.03	-0.04	-0.27	5.66e-04	3.18e-04	3.60e-06

119	21	-0.03	0.04	-0.22	-7.43e-04	-9.70e-04	1.77e-06
119	22	-0.04	0.02	-0.21	-3.78e-04	-4.90e-04	-1.20e-05
119	23	0.04	-0.02	-0.28	2.12e-04	-1.57e-04	1.74e-05
119	24	0.03	-0.04	-0.27	5.54e-04	3.12e-04	3.61e-06
119	25	-0.03	0.04	-0.22	-7.31e-04	-9.64e-04	1.76e-06
119	26	-0.04	0.02	-0.21	-3.90e-04	-4.96e-04	-1.20e-05
119	27	0.03	0.03	-0.27	-5.62e-04	-1.01e-03	2.80e-05
119	28	-5.42e-03	-0.02	-0.24	6.56e-04	5.92e-04	-1.78e-05
119	29	6.29e-03	0.02	-0.25	-8.34e-04	-1.24e-03	2.32e-05
119	30	-0.03	-0.03	-0.22	3.84e-04	3.57e-04	-2.27e-05
119	31	0.03	0.02	-0.27	-5.56e-04	-1.01e-03	2.80e-05
119	32	-5.40e-03	-0.03	-0.24	6.62e-04	5.96e-04	-1.79e-05
119	33	6.27e-03	0.03	-0.25	-8.39e-04	-1.25e-03	2.33e-05
119	34	-0.03	-0.02	-0.22	3.79e-04	3.53e-04	-2.26e-05
119	35	0.03	0.03	-0.27	-5.22e-04	-9.90e-04	2.80e-05
119	36	-7.22e-03	-0.01	-0.24	6.16e-04	5.72e-04	-1.78e-05
119	37	8.09e-03	0.01	-0.25	-7.94e-04	-1.22e-03	2.32e-05
119	38	-0.03	-0.03	-0.22	3.44e-04	3.38e-04	-2.26e-05
119	39	0.03	0.01	-0.27	-5.16e-04	-9.86e-04	2.79e-05
119	40	-7.20e-03	-0.03	-0.24	6.22e-04	5.76e-04	-1.79e-05
119	41	8.07e-03	0.03	-0.25	-7.99e-04	-1.23e-03	2.33e-05
119	42	-0.03	-0.01	-0.22	3.39e-04	3.34e-04	-2.26e-05
119	43	0.03	0.03	-0.27	1.26e-04	-2.09e-04	1.44e-05
119	44	0.03	0.02	-0.27	4.15e-04	1.71e-04	3.53e-06
119	45	-0.03	-0.02	-0.22	-5.93e-04	-8.23e-04	1.84e-06
119	46	-0.03	-0.03	-0.22	-3.04e-04	-4.43e-04	-9.06e-06
119	47	0.04	0.03	-0.27	1.36e-04	-2.04e-04	1.44e-05
119	48	0.03	0.02	-0.26	4.06e-04	1.67e-04	3.54e-06
119	49	-0.03	-0.02	-0.22	-5.83e-04	-8.19e-04	1.83e-06
119	50	-0.03	-0.03	-0.22	-3.13e-04	-4.48e-04	-9.05e-06
119	51	0.03	-0.02	-0.27	1.41e-04	-1.99e-04	1.42e-05
119	52	0.03	-0.03	-0.27	4.30e-04	1.81e-04	3.33e-06
119	53	-0.03	0.03	-0.22	-6.07e-04	-8.34e-04	2.04e-06
119	54	-0.03	0.02	-0.22	-3.18e-04	-4.53e-04	-8.86e-06
119	55	0.04	-0.02	-0.27	1.50e-04	-1.94e-04	1.42e-05
119	56	0.03	-0.03	-0.26	4.20e-04	1.77e-04	3.34e-06
119	57	-0.03	0.03	-0.22	-5.98e-04	-8.29e-04	2.03e-06
119	58	-0.03	0.02	-0.22	-3.28e-04	-4.58e-04	-8.85e-06
119	59	0.02	0.02	-0.26	-4.63e-04	-8.68e-04	2.27e-05
119	60	-4.21e-03	-0.01	-0.24	5.01e-04	4.00e-04	-1.36e-05
119	61	5.08e-03	0.01	-0.25	-6.78e-04	-1.05e-03	1.90e-05
119	62	-0.02	-0.02	-0.23	2.85e-04	2.15e-04	-1.74e-05
119	63	0.02	0.01	-0.26	-4.58e-04	-8.65e-04	2.27e-05
119	64	-4.22e-03	-0.02	-0.24	5.05e-04	4.03e-04	-1.36e-05
119	65	5.09e-03	0.02	-0.25	-6.83e-04	-1.05e-03	1.90e-05
119	66	-0.02	-0.01	-0.23	2.81e-04	2.12e-04	-1.73e-05
119	67	0.02	0.02	-0.26	-4.31e-04	-8.52e-04	2.27e-05
119	68	-5.62e-03	-9.57e-03	-0.24	4.69e-04	3.84e-04	-1.36e-05
119	69	6.49e-03	9.33e-03	-0.25	-6.47e-04	-1.04e-03	1.89e-05
119	70	-0.02	-0.02	-0.23	2.53e-04	2.00e-04	-1.73e-05
119	71	0.02	9.50e-03	-0.26	-4.27e-04	-8.49e-04	2.27e-05
119	72	-5.64e-03	-0.02	-0.24	4.73e-04	3.87e-04	-1.36e-05
119	73	6.51e-03	0.02	-0.25	-6.51e-04	-1.04e-03	1.90e-05
119	74	-0.02	-9.74e-03	-0.23	2.49e-04	1.97e-04	-1.73e-05
119	75	0.03	0.02	-0.27	8.88e-05	-2.29e-04	1.24e-05
119	76	0.02	0.01	-0.26	3.28e-04	8.51e-05	3.40e-06
119	77	-0.02	-0.01	-0.23	-5.05e-04	-7.37e-04	1.97e-06
119	78	-0.03	-0.02	-0.22	-2.66e-04	-4.23e-04	-7.04e-06
119	79	0.03	0.02	-0.27	9.67e-05	-2.25e-04	1.24e-05
119	80	0.02	0.02	-0.26	3.20e-04	8.13e-05	3.41e-06
119	81	-0.02	-0.02	-0.23	-4.97e-04	-7.34e-04	1.97e-06
119	82	-0.03	-0.02	-0.22	-2.74e-04	-4.27e-04	-7.03e-06
119	83	0.03	-0.01	-0.27	1.01e-04	-2.21e-04	1.22e-05
119	84	0.02	-0.02	-0.26	3.40e-04	9.35e-05	3.24e-06
119	85	-0.02	0.02	-0.23	-5.17e-04	-7.46e-04	2.13e-06
119	86	-0.03	0.01	-0.22	-2.78e-04	-4.32e-04	-6.87e-06
119	87	0.03	-0.01	-0.27	1.09e-04	-2.17e-04	1.22e-05
119	88	0.02	-0.02	-0.26	3.32e-04	8.98e-05	3.24e-06
119	89	-0.02	0.02	-0.23	-5.09e-04	-7.42e-04	2.13e-06
119	90	-0.03	0.01	-0.22	-2.86e-04	-4.35e-04	-6.87e-06
119	91	0.02	0.02	-0.26	-3.98e-04	-7.74e-04	1.93e-05
119	92	-3.40e-03	-9.13e-03	-0.24	3.98e-04	2.74e-04	-1.08e-05

119	93	4.27e-03	8.89e-03	-0.25	-5.76e-04	-9.26e-04	1.61e-05
119	94	-0.02	-0.02	-0.23	2.20e-04	1.21e-04	-1.39e-05
119	95	0.02	9.03e-03	-0.26	-3.94e-04	-7.71e-04	1.92e-05
119	96	-3.41e-03	-0.02	-0.24	4.02e-04	2.76e-04	-1.08e-05
119	97	4.28e-03	0.02	-0.25	-5.80e-04	-9.29e-04	1.62e-05
119	98	-0.02	-9.27e-03	-0.23	2.17e-04	1.19e-04	-1.38e-05
119	99	0.02	0.02	-0.26	-3.72e-04	-7.61e-04	1.92e-05
119	100	-4.57e-03	-7.98e-03	-0.24	3.72e-04	2.61e-04	-1.07e-05
119	101	5.44e-03	7.74e-03	-0.25	-5.50e-04	-9.13e-04	1.61e-05
119	102	-0.02	-0.02	-0.23	1.94e-04	1.09e-04	-1.39e-05
119	103	0.02	7.88e-03	-0.26	-3.68e-04	-7.58e-04	1.92e-05
119	104	-4.58e-03	-0.02	-0.24	3.76e-04	2.64e-04	-1.08e-05
119	105	5.45e-03	0.02	-0.25	-5.53e-04	-9.16e-04	1.62e-05
119	106	-0.02	-8.12e-03	-0.23	1.90e-04	1.06e-04	-1.38e-05
120	1	3.62e-04	2.99e-05	-0.27	-2.52e-05	-1.33e-04	0.0
120	2	7.50e-04	-4.43e-05	-0.42	-2.04e-04	-7.07e-04	0.0
120	3	2.71e-04	2.44e-05	-0.21	-1.60e-05	-9.14e-05	0.0
120	4	6.59e-04	-4.98e-05	-0.36	-1.94e-04	-6.65e-04	0.0
120	5	2.75e-04	2.36e-05	-0.21	-1.79e-05	-9.76e-05	0.0
120	6	5.34e-04	-2.58e-05	-0.31	-1.37e-04	-4.80e-04	0.0
120	7	2.75e-04	2.36e-05	-0.21	-1.79e-05	-9.76e-05	0.0
120	8	4.56e-04	-1.10e-05	-0.28	-1.01e-04	-3.65e-04	0.0
120	9	2.75e-04	2.36e-05	-0.21	-1.79e-05	-9.76e-05	0.0
120	10	4.30e-04	-6.05e-06	-0.27	-8.93e-05	-3.27e-04	0.0
120	11	0.04	0.04	-0.28	1.85e-04	-1.84e-04	0.0
120	12	0.03	0.02	-0.24	5.44e-04	3.06e-04	0.0
120	13	-0.03	-0.02	-0.30	-7.23e-04	-9.60e-04	0.0
120	14	-0.04	-0.04	-0.26	-3.63e-04	-4.70e-04	0.0
120	15	0.04	0.04	-0.28	1.97e-04	-1.78e-04	0.0
120	16	0.03	0.02	-0.24	5.32e-04	3.00e-04	0.0
120	17	-0.03	-0.02	-0.30	-7.11e-04	-9.54e-04	0.0
120	18	-0.04	-0.04	-0.26	-3.75e-04	-4.76e-04	0.0
120	19	0.04	-0.02	-0.28	2.03e-04	-1.71e-04	0.0
120	20	0.03	-0.04	-0.24	5.63e-04	3.19e-04	0.0
120	21	-0.03	0.04	-0.30	-7.41e-04	-9.73e-04	0.0
120	22	-0.04	0.02	-0.26	-3.82e-04	-4.83e-04	0.0
120	23	0.04	-0.02	-0.28	2.15e-04	-1.65e-04	0.0
120	24	0.03	-0.04	-0.24	5.51e-04	3.13e-04	0.0
120	25	-0.03	0.04	-0.30	-7.29e-04	-9.68e-04	0.0
120	26	-0.04	0.02	-0.26	-3.94e-04	-4.89e-04	0.0
120	27	0.03	0.04	-0.33	-5.52e-04	-1.03e-03	0.0
120	28	-5.04e-03	-0.02	-0.20	6.46e-04	6.06e-04	0.0
120	29	5.90e-03	0.02	-0.34	-8.24e-04	-1.26e-03	0.0
120	30	-0.03	-0.04	-0.21	3.73e-04	3.73e-04	0.0
120	31	0.03	0.02	-0.33	-5.47e-04	-1.02e-03	0.0
120	32	-5.02e-03	-0.04	-0.20	6.51e-04	6.10e-04	0.0
120	33	5.88e-03	0.04	-0.34	-8.30e-04	-1.26e-03	0.0
120	34	-0.03	-0.02	-0.21	3.68e-04	3.70e-04	0.0
120	35	0.03	0.03	-0.33	-5.12e-04	-1.01e-03	0.0
120	36	-6.86e-03	-0.01	-0.20	6.06e-04	5.87e-04	0.0
120	37	7.72e-03	0.01	-0.34	-7.85e-04	-1.24e-03	0.0
120	38	-0.03	-0.03	-0.21	3.34e-04	3.54e-04	0.0
120	39	0.03	0.01	-0.33	-5.07e-04	-1.00e-03	0.0
120	40	-6.85e-03	-0.03	-0.20	6.11e-04	5.91e-04	0.0
120	41	7.71e-03	0.03	-0.34	-7.90e-04	-1.24e-03	0.0
120	42	-0.03	-0.01	-0.21	3.28e-04	3.50e-04	0.0
120	43	0.03	0.03	-0.27	1.28e-04	-2.16e-04	0.0
120	44	0.03	0.02	-0.24	4.12e-04	1.72e-04	0.0
120	45	-0.03	-0.02	-0.29	-5.91e-04	-8.26e-04	0.0
120	46	-0.03	-0.03	-0.26	-3.07e-04	-4.38e-04	0.0
120	47	0.04	0.03	-0.27	1.38e-04	-2.11e-04	0.0
120	48	0.03	0.02	-0.24	4.03e-04	1.67e-04	0.0
120	49	-0.03	-0.02	-0.29	-5.82e-04	-8.22e-04	0.0
120	50	-0.03	-0.03	-0.26	-3.16e-04	-4.43e-04	0.0
120	51	0.03	-0.02	-0.28	1.43e-04	-2.06e-04	0.0
120	52	0.03	-0.03	-0.25	4.27e-04	1.82e-04	0.0
120	53	-0.03	0.03	-0.29	-6.05e-04	-8.37e-04	0.0
120	54	-0.03	0.02	-0.26	-3.21e-04	-4.48e-04	0.0
120	55	0.04	-0.02	-0.28	1.52e-04	-2.01e-04	0.0
120	56	0.03	-0.03	-0.25	4.17e-04	1.78e-04	0.0
120	57	-0.03	0.03	-0.29	-5.96e-04	-8.32e-04	0.0
120	58	-0.03	0.02	-0.26	-3.31e-04	-4.53e-04	0.0

120	59	0.02	0.03	-0.32	-4.55e-04	-8.82e-04	0.0
120	60	-3.91e-03	-0.01	-0.21	4.92e-04	4.11e-04	0.0
120	61	4.77e-03	0.01	-0.32	-6.71e-04	-1.07e-03	0.0
120	62	-0.02	-0.03	-0.22	2.76e-04	2.28e-04	0.0
120	63	0.02	0.01	-0.32	-4.50e-04	-8.79e-04	0.0
120	64	-3.92e-03	-0.03	-0.21	4.96e-04	4.14e-04	0.0
120	65	4.78e-03	0.03	-0.32	-6.75e-04	-1.07e-03	0.0
120	66	-0.02	-0.01	-0.22	2.72e-04	2.25e-04	0.0
120	67	0.02	0.03	-0.32	-4.23e-04	-8.67e-04	0.0
120	68	-5.34e-03	-0.01	-0.21	4.61e-04	3.96e-04	0.0
120	69	6.20e-03	0.01	-0.32	-6.39e-04	-1.05e-03	0.0
120	70	-0.02	-0.03	-0.22	2.45e-04	2.13e-04	0.0
120	71	0.02	0.01	-0.32	-4.19e-04	-8.64e-04	0.0
120	72	-5.35e-03	-0.03	-0.22	4.65e-04	3.99e-04	0.0
120	73	6.21e-03	0.03	-0.32	-6.44e-04	-1.05e-03	0.0
120	74	-0.02	-0.01	-0.22	2.41e-04	2.10e-04	0.0
120	75	0.03	0.03	-0.27	9.06e-05	-2.35e-04	0.0
120	76	0.02	0.01	-0.25	3.25e-04	8.57e-05	0.0
120	77	-0.02	-0.01	-0.29	-5.04e-04	-7.40e-04	0.0
120	78	-0.03	-0.03	-0.26	-2.69e-04	-4.19e-04	0.0
120	79	0.03	0.02	-0.27	9.83e-05	-2.31e-04	0.0
120	80	0.02	0.02	-0.25	3.18e-04	8.19e-05	0.0
120	81	-0.02	-0.02	-0.29	-4.96e-04	-7.36e-04	0.0
120	82	-0.03	-0.02	-0.26	-2.77e-04	-4.23e-04	0.0
120	83	0.03	-0.01	-0.28	1.02e-04	-2.27e-04	0.0
120	84	0.02	-0.02	-0.25	3.37e-04	9.41e-05	0.0
120	85	-0.02	0.02	-0.29	-5.16e-04	-7.48e-04	0.0
120	86	-0.03	0.01	-0.26	-2.81e-04	-4.28e-04	0.0
120	87	0.03	-0.02	-0.28	1.10e-04	-2.23e-04	0.0
120	88	0.02	-0.02	-0.25	3.29e-04	9.03e-05	0.0
120	89	-0.02	0.02	-0.29	-5.08e-04	-7.45e-04	0.0
120	90	-0.03	0.02	-0.26	-2.89e-04	-4.32e-04	0.0
120	91	0.02	0.02	-0.31	-3.91e-04	-7.86e-04	0.0
120	92	-3.15e-03	-0.01	-0.22	3.91e-04	2.83e-04	0.0
120	93	4.01e-03	0.01	-0.31	-5.70e-04	-9.37e-04	0.0
120	94	-0.02	-0.02	-0.23	2.13e-04	1.32e-04	0.0
120	95	0.02	0.01	-0.31	-3.88e-04	-7.83e-04	0.0
120	96	-3.16e-03	-0.02	-0.22	3.95e-04	2.86e-04	0.0
120	97	4.02e-03	0.02	-0.31	-5.73e-04	-9.40e-04	0.0
120	98	-0.02	-0.01	-0.23	2.09e-04	1.29e-04	0.0
120	99	0.02	0.02	-0.31	-3.65e-04	-7.73e-04	0.0
120	100	-4.33e-03	-9.13e-03	-0.22	3.65e-04	2.70e-04	0.0
120	101	5.20e-03	9.12e-03	-0.31	-5.44e-04	-9.25e-04	0.0
120	102	-0.02	-0.02	-0.23	1.87e-04	1.19e-04	0.0
120	103	0.02	9.18e-03	-0.31	-3.62e-04	-7.71e-04	0.0
120	104	-4.35e-03	-0.02	-0.22	3.69e-04	2.73e-04	0.0
120	105	5.21e-03	0.02	-0.31	-5.47e-04	-9.27e-04	0.0
120	106	-0.02	-9.19e-03	-0.23	1.83e-04	1.16e-04	0.0
121	1	2.37e-04	1.24e-04	-0.28	-6.83e-05	-9.97e-05	0.0
121	2	6.44e-04	9.13e-05	-0.44	-3.47e-04	-5.92e-04	0.0
121	3	1.75e-04	9.59e-05	-0.21	-4.73e-05	-6.74e-05	0.0
121	4	5.82e-04	6.34e-05	-0.37	-3.26e-04	-5.60e-04	0.0
121	5	1.79e-04	9.55e-05	-0.21	-5.03e-05	-7.26e-05	0.0
121	6	4.50e-04	7.38e-05	-0.32	-2.36e-04	-4.01e-04	0.0
121	7	1.79e-04	9.55e-05	-0.21	-5.03e-05	-7.26e-05	0.0
121	8	3.69e-04	8.03e-05	-0.29	-1.80e-04	-3.03e-04	0.0
121	9	1.79e-04	9.55e-05	-0.21	-5.03e-05	-7.26e-05	0.0
121	10	3.42e-04	8.25e-05	-0.27	-1.62e-04	-2.70e-04	0.0
121	11	0.04	0.04	-0.28	7.04e-05	-1.43e-04	0.0
121	12	0.04	0.02	-0.24	5.37e-04	3.33e-04	0.0
121	13	-0.04	-0.02	-0.31	-8.61e-04	-8.73e-04	0.0
121	14	-0.04	-0.04	-0.27	-3.94e-04	-3.96e-04	0.0
121	15	0.04	0.04	-0.28	8.30e-05	-1.37e-04	0.0
121	16	0.04	0.02	-0.24	5.25e-04	3.26e-04	0.0
121	17	-0.03	-0.02	-0.31	-8.48e-04	-8.66e-04	0.0
121	18	-0.04	-0.04	-0.27	-4.06e-04	-4.03e-04	0.0
121	19	0.04	-0.02	-0.28	8.90e-05	-1.30e-04	0.0
121	20	0.04	-0.04	-0.24	5.56e-04	3.46e-04	0.0
121	21	-0.03	0.04	-0.31	-8.79e-04	-8.86e-04	0.0
121	22	-0.04	0.02	-0.26	-4.13e-04	-4.09e-04	0.0
121	23	0.04	-0.02	-0.28	1.02e-04	-1.24e-04	0.0
121	24	0.04	-0.04	-0.24	5.43e-04	3.39e-04	0.0

121	25	-0.03	0.04	-0.31	-8.67e-04	-8.79e-04	0.0
121	26	-0.04	0.02	-0.26	-4.25e-04	-4.16e-04	0.0
121	27	0.03	0.04	-0.34	-8.00e-04	-9.54e-04	0.0
121	28	-2.00e-03	-0.02	-0.20	7.56e-04	6.34e-04	0.0
121	29	2.68e-03	0.02	-0.35	-1.08e-03	-1.17e-03	0.0
121	30	-0.03	-0.04	-0.21	4.76e-04	4.15e-04	0.0
121	31	0.03	0.02	-0.34	-7.94e-04	-9.51e-04	0.0
121	32	-2.02e-03	-0.04	-0.20	7.61e-04	6.38e-04	0.0
121	33	2.70e-03	0.04	-0.35	-1.08e-03	-1.18e-03	0.0
121	34	-0.03	-0.02	-0.21	4.71e-04	4.11e-04	0.0
121	35	0.03	0.04	-0.34	-7.58e-04	-9.32e-04	0.0
121	36	-3.91e-03	-0.02	-0.20	7.14e-04	6.11e-04	0.0
121	37	4.59e-03	0.02	-0.35	-1.04e-03	-1.15e-03	0.0
121	38	-0.03	-0.04	-0.21	4.35e-04	3.92e-04	0.0
121	39	0.03	0.02	-0.34	-7.52e-04	-9.28e-04	0.0
121	40	-3.93e-03	-0.04	-0.20	7.19e-04	6.15e-04	0.0
121	41	4.61e-03	0.04	-0.35	-1.04e-03	-1.15e-03	0.0
121	42	-0.03	-0.02	-0.21	4.29e-04	3.89e-04	0.0
121	43	0.03	0.03	-0.28	2.24e-05	-1.71e-04	0.0
121	44	0.03	0.02	-0.25	3.92e-04	2.06e-04	0.0
121	45	-0.03	-0.02	-0.30	-7.15e-04	-7.46e-04	0.0
121	46	-0.03	-0.03	-0.27	-3.46e-04	-3.69e-04	0.0
121	47	0.04	0.03	-0.28	3.23e-05	-1.66e-04	0.0
121	48	0.03	0.02	-0.25	3.82e-04	2.01e-04	0.0
121	49	-0.03	-0.02	-0.30	-7.05e-04	-7.41e-04	0.0
121	50	-0.03	-0.03	-0.27	-3.56e-04	-3.74e-04	0.0
121	51	0.03	-0.02	-0.28	3.71e-05	-1.61e-04	0.0
121	52	0.03	-0.03	-0.25	4.06e-04	2.16e-04	0.0
121	53	-0.03	0.03	-0.30	-7.30e-04	-7.56e-04	0.0
121	54	-0.03	0.02	-0.27	-3.61e-04	-3.79e-04	0.0
121	55	0.04	-0.02	-0.28	4.70e-05	-1.56e-04	0.0
121	56	0.03	-0.03	-0.25	3.96e-04	2.11e-04	0.0
121	57	-0.03	0.03	-0.30	-7.20e-04	-7.51e-04	0.0
121	58	-0.03	0.02	-0.27	-3.71e-04	-3.84e-04	0.0
121	59	0.02	0.03	-0.33	-6.67e-04	-8.12e-04	0.0
121	60	-1.51e-03	-0.02	-0.21	5.64e-04	4.45e-04	0.0
121	61	2.19e-03	0.02	-0.34	-8.88e-04	-9.85e-04	0.0
121	62	-0.02	-0.03	-0.22	3.43e-04	2.73e-04	0.0
121	63	0.02	0.02	-0.33	-6.62e-04	-8.09e-04	0.0
121	64	-1.55e-03	-0.03	-0.21	5.69e-04	4.48e-04	0.0
121	65	2.23e-03	0.03	-0.33	-8.92e-04	-9.88e-04	0.0
121	66	-0.02	-0.02	-0.22	3.39e-04	2.70e-04	0.0
121	67	0.02	0.03	-0.33	-6.34e-04	-7.95e-04	0.0
121	68	-3.01e-03	-0.01	-0.21	5.31e-04	4.28e-04	0.0
121	69	3.69e-03	0.01	-0.34	-8.55e-04	-9.67e-04	0.0
121	70	-0.02	-0.03	-0.22	3.10e-04	2.55e-04	0.0
121	71	0.02	0.01	-0.33	-6.29e-04	-7.92e-04	0.0
121	72	-3.05e-03	-0.03	-0.21	5.36e-04	4.31e-04	0.0
121	73	3.73e-03	0.03	-0.34	-8.59e-04	-9.70e-04	0.0
121	74	-0.02	-0.01	-0.22	3.06e-04	2.52e-04	0.0
121	75	0.03	0.03	-0.28	-9.57e-06	-1.88e-04	0.0
121	76	0.02	0.01	-0.25	2.96e-04	1.24e-04	0.0
121	77	-0.02	-0.01	-0.30	-6.19e-04	-6.63e-04	0.0
121	78	-0.03	-0.03	-0.27	-3.14e-04	-3.52e-04	0.0
121	79	0.03	0.02	-0.28	-1.38e-06	-1.83e-04	0.0
121	80	0.02	0.01	-0.25	2.87e-04	1.20e-04	0.0
121	81	-0.02	-0.01	-0.30	-6.11e-04	-6.59e-04	0.0
121	82	-0.03	-0.02	-0.27	-3.22e-04	-3.56e-04	0.0
121	83	0.03	-0.01	-0.28	2.59e-06	-1.80e-04	0.0
121	84	0.02	-0.03	-0.25	3.08e-04	1.32e-04	0.0
121	85	-0.02	0.03	-0.30	-6.31e-04	-6.72e-04	0.0
121	86	-0.03	0.01	-0.27	-3.26e-04	-3.60e-04	0.0
121	87	0.03	-0.01	-0.28	1.08e-05	-1.75e-04	0.0
121	88	0.02	-0.02	-0.25	3.00e-04	1.28e-04	0.0
121	89	-0.02	0.02	-0.30	-6.23e-04	-6.67e-04	0.0
121	90	-0.03	0.01	-0.27	-3.34e-04	-3.64e-04	0.0
121	91	0.02	0.02	-0.32	-5.79e-04	-7.18e-04	0.0
121	92	-1.18e-03	-0.01	-0.22	4.38e-04	3.21e-04	0.0
121	93	1.87e-03	0.01	-0.32	-7.62e-04	-8.61e-04	0.0
121	94	-0.02	-0.02	-0.23	2.56e-04	1.79e-04	0.0
121	95	0.02	0.01	-0.32	-5.75e-04	-7.16e-04	0.0
121	96	-1.22e-03	-0.02	-0.23	4.42e-04	3.24e-04	0.0

121	97	1.90e-03	0.02	-0.32	-7.66e-04	-8.63e-04	0.0
121	98	-0.02	-0.01	-0.23	2.52e-04	1.76e-04	0.0
121	99	0.02	0.02	-0.32	-5.52e-04	-7.03e-04	0.0
121	100	-2.43e-03	-0.01	-0.22	4.11e-04	3.07e-04	0.0
121	101	3.11e-03	0.01	-0.32	-7.35e-04	-8.46e-04	0.0
121	102	-0.02	-0.02	-0.23	2.28e-04	1.64e-04	0.0
121	103	0.02	0.01	-0.32	-5.48e-04	-7.01e-04	0.0
121	104	-2.46e-03	-0.02	-0.22	4.15e-04	3.09e-04	0.0
121	105	3.14e-03	0.02	-0.32	-7.38e-04	-8.49e-04	0.0
121	106	-0.02	-0.01	-0.23	2.25e-04	1.61e-04	0.0
122	1	1.44e-04	2.60e-05	-0.27	-6.89e-05	-9.85e-05	0.0
122	2	5.52e-04	-7.39e-06	-0.40	-3.49e-04	-5.89e-04	0.0
122	3	1.03e-04	2.06e-05	-0.20	-4.77e-05	-6.65e-05	0.0
122	4	5.11e-04	-1.28e-05	-0.34	-3.28e-04	-5.57e-04	0.0
122	5	1.07e-04	2.02e-05	-0.21	-5.07e-05	-7.18e-05	0.0
122	6	3.79e-04	-1.99e-06	-0.29	-2.37e-04	-3.98e-04	0.0
122	7	1.07e-04	2.02e-05	-0.21	-5.07e-05	-7.18e-05	0.0
122	8	2.98e-04	4.68e-06	-0.27	-1.81e-04	-3.00e-04	0.0
122	9	1.07e-04	2.02e-05	-0.21	-5.07e-05	-7.18e-05	0.0
122	10	2.70e-04	6.90e-06	-0.26	-1.63e-04	-2.68e-04	0.0
122	11	0.04	0.04	-0.30	6.60e-05	-1.35e-04	0.0
122	12	0.04	0.02	-0.29	5.40e-04	3.33e-04	0.0
122	13	-0.04	-0.02	-0.23	-8.65e-04	-8.68e-04	0.0
122	14	-0.04	-0.04	-0.22	-3.91e-04	-4.01e-04	0.0
122	15	0.04	0.04	-0.30	7.87e-05	-1.28e-04	0.0
122	16	0.04	0.02	-0.29	5.27e-04	3.26e-04	0.0
122	17	-0.04	-0.02	-0.23	-8.52e-04	-8.62e-04	0.0
122	18	-0.04	-0.04	-0.21	-4.04e-04	-4.08e-04	0.0
122	19	0.04	-0.02	-0.30	8.47e-05	-1.22e-04	0.0
122	20	0.04	-0.04	-0.29	5.58e-04	3.46e-04	0.0
122	21	-0.04	0.04	-0.23	-8.84e-04	-8.81e-04	0.0
122	22	-0.04	0.02	-0.22	-4.10e-04	-4.14e-04	0.0
122	23	0.04	-0.02	-0.30	9.74e-05	-1.15e-04	0.0
122	24	0.04	-0.04	-0.29	5.46e-04	3.39e-04	0.0
122	25	-0.03	0.04	-0.23	-8.71e-04	-8.74e-04	0.0
122	26	-0.04	0.02	-0.21	-4.23e-04	-4.20e-04	0.0
122	27	0.03	0.04	-0.29	-8.12e-04	-9.37e-04	0.0
122	28	-1.25e-03	-0.02	-0.25	7.66e-04	6.21e-04	0.0
122	29	1.79e-03	0.02	-0.27	-1.09e-03	-1.16e-03	0.0
122	30	-0.03	-0.04	-0.23	4.87e-04	4.01e-04	0.0
122	31	0.03	0.02	-0.29	-8.07e-04	-9.33e-04	0.0
122	32	-1.31e-03	-0.04	-0.25	7.72e-04	6.25e-04	0.0
122	33	1.85e-03	0.04	-0.27	-1.10e-03	-1.16e-03	0.0
122	34	-0.03	-0.02	-0.23	4.82e-04	3.97e-04	0.0
122	35	0.03	0.03	-0.30	-7.70e-04	-9.14e-04	0.0
122	36	-2.96e-03	-0.01	-0.24	7.24e-04	5.99e-04	0.0
122	37	3.50e-03	0.01	-0.27	-1.05e-03	-1.13e-03	0.0
122	38	-0.03	-0.03	-0.22	4.45e-04	3.79e-04	0.0
122	39	0.03	0.01	-0.30	-7.65e-04	-9.11e-04	0.0
122	40	-3.02e-03	-0.03	-0.24	7.30e-04	6.03e-04	0.0
122	41	3.56e-03	0.03	-0.27	-1.06e-03	-1.14e-03	0.0
122	42	-0.03	-0.01	-0.22	4.39e-04	3.75e-04	0.0
122	43	0.03	0.03	-0.29	1.87e-05	-1.64e-04	0.0
122	44	0.03	0.02	-0.28	3.94e-04	2.07e-04	0.0
122	45	-0.03	-0.02	-0.24	-7.19e-04	-7.42e-04	0.0
122	46	-0.03	-0.03	-0.22	-3.44e-04	-3.72e-04	0.0
122	47	0.04	0.03	-0.29	2.87e-05	-1.58e-04	0.0
122	48	0.03	0.02	-0.28	3.84e-04	2.01e-04	0.0
122	49	-0.03	-0.02	-0.24	-7.09e-04	-7.37e-04	0.0
122	50	-0.03	-0.03	-0.22	-3.54e-04	-3.77e-04	0.0
122	51	0.03	-0.02	-0.29	3.35e-05	-1.54e-04	0.0
122	52	0.03	-0.03	-0.28	4.08e-04	2.17e-04	0.0
122	53	-0.03	0.03	-0.23	-7.34e-04	-7.52e-04	0.0
122	54	-0.03	0.02	-0.22	-3.59e-04	-3.82e-04	0.0
122	55	0.04	-0.02	-0.29	4.35e-05	-1.48e-04	0.0
122	56	0.03	-0.03	-0.28	3.98e-04	2.11e-04	0.0
122	57	-0.03	0.03	-0.24	-7.24e-04	-7.47e-04	0.0
122	58	-0.03	0.02	-0.22	-3.69e-04	-3.87e-04	0.0
122	59	0.02	0.03	-0.29	-6.77e-04	-7.98e-04	0.0
122	60	-9.15e-04	-0.01	-0.25	5.73e-04	4.36e-04	0.0
122	61	1.46e-03	0.01	-0.27	-8.98e-04	-9.71e-04	0.0
122	62	-0.02	-0.03	-0.23	3.51e-04	2.62e-04	0.0

122	63	0.02	0.01	-0.29	-6.72e-04	-7.95e-04	0.0
122	64	-9.81e-04	-0.03	-0.25	5.77e-04	4.39e-04	0.0
122	65	1.52e-03	0.03	-0.27	-9.02e-04	-9.74e-04	0.0
122	66	-0.02	-0.01	-0.23	3.47e-04	2.59e-04	0.0
122	67	0.02	0.03	-0.29	-6.43e-04	-7.80e-04	0.0
122	68	-2.26e-03	-0.01	-0.25	5.39e-04	4.18e-04	0.0
122	69	2.80e-03	0.01	-0.27	-8.65e-04	-9.54e-04	0.0
122	70	-0.02	-0.03	-0.23	3.18e-04	2.45e-04	0.0
122	71	0.02	0.01	-0.29	-6.39e-04	-7.77e-04	0.0
122	72	-2.33e-03	-0.03	-0.25	5.44e-04	4.21e-04	0.0
122	73	2.87e-03	0.03	-0.27	-8.69e-04	-9.57e-04	0.0
122	74	-0.02	-0.01	-0.23	3.14e-04	2.42e-04	0.0
122	75	0.03	0.02	-0.29	-1.28e-05	-1.82e-04	0.0
122	76	0.02	0.01	-0.28	2.97e-04	1.24e-04	0.0
122	77	-0.02	-0.01	-0.24	-6.22e-04	-6.60e-04	0.0
122	78	-0.03	-0.02	-0.23	-3.13e-04	-3.54e-04	0.0
122	79	0.03	0.02	-0.29	-4.49e-06	-1.77e-04	0.0
122	80	0.02	0.02	-0.28	2.89e-04	1.20e-04	0.0
122	81	-0.02	-0.02	-0.24	-6.14e-04	-6.56e-04	0.0
122	82	-0.03	-0.02	-0.23	-3.21e-04	-3.58e-04	0.0
122	83	0.03	-0.01	-0.29	0.0	-1.73e-04	0.0
122	84	0.02	-0.02	-0.28	3.09e-04	1.33e-04	0.0
122	85	-0.02	0.02	-0.24	-6.35e-04	-6.68e-04	0.0
122	86	-0.03	0.01	-0.23	-3.25e-04	-3.62e-04	0.0
122	87	0.03	-0.02	-0.29	7.72e-06	-1.69e-04	0.0
122	88	0.02	-0.02	-0.28	3.01e-04	1.28e-04	0.0
122	89	-0.02	0.02	-0.24	-6.26e-04	-6.64e-04	0.0
122	90	-0.03	0.02	-0.23	-3.33e-04	-3.67e-04	0.0
122	91	0.02	0.02	-0.28	-5.88e-04	-7.06e-04	0.0
122	92	-7.08e-04	-0.01	-0.25	4.45e-04	3.14e-04	0.0
122	93	1.25e-03	0.01	-0.27	-7.70e-04	-8.49e-04	0.0
122	94	-0.02	-0.02	-0.24	2.62e-04	1.70e-04	0.0
122	95	0.02	0.01	-0.28	-5.84e-04	-7.03e-04	0.0
122	96	-7.63e-04	-0.02	-0.25	4.49e-04	3.16e-04	0.0
122	97	1.30e-03	0.02	-0.27	-7.74e-04	-8.52e-04	0.0
122	98	-0.02	-0.01	-0.24	2.59e-04	1.68e-04	0.0
122	99	0.02	0.02	-0.28	-5.60e-04	-6.91e-04	0.0
122	100	-1.82e-03	-9.00e-03	-0.25	4.18e-04	2.99e-04	0.0
122	101	2.36e-03	9.01e-03	-0.27	-7.43e-04	-8.35e-04	0.0
122	102	-0.02	-0.02	-0.24	2.35e-04	1.56e-04	0.0
122	103	0.02	9.08e-03	-0.28	-5.56e-04	-6.89e-04	0.0
122	104	-1.88e-03	-0.02	-0.25	4.21e-04	3.02e-04	0.0
122	105	2.42e-03	0.02	-0.27	-7.47e-04	-8.37e-04	0.0
122	106	-0.02	-9.06e-03	-0.23	2.31e-04	1.53e-04	0.0
123	1	2.63e-04	-7.26e-05	-0.27	-2.55e-05	-1.32e-04	0.0
123	2	7.00e-04	-9.19e-05	-0.39	-2.04e-04	-7.05e-04	0.0
123	3	1.94e-04	-5.55e-05	-0.20	-1.63e-05	-9.10e-05	0.0
123	4	6.31e-04	-7.48e-05	-0.33	-1.95e-04	-6.64e-04	0.0
123	5	1.99e-04	-5.57e-05	-0.20	-1.82e-05	-9.71e-05	0.0
123	6	4.90e-04	-6.86e-05	-0.29	-1.37e-04	-4.79e-04	0.0
123	7	1.99e-04	-5.57e-05	-0.20	-1.82e-05	-9.71e-05	0.0
123	8	4.03e-04	-6.47e-05	-0.26	-1.01e-04	-3.65e-04	0.0
123	9	1.99e-04	-5.57e-05	-0.20	-1.82e-05	-9.71e-05	0.0
123	10	3.74e-04	-6.34e-05	-0.25	-8.95e-05	-3.26e-04	0.0
123	11	0.04	0.04	-0.29	1.81e-04	-1.79e-04	0.0
123	12	0.04	0.02	-0.28	5.49e-04	3.04e-04	0.0
123	13	-0.03	-0.02	-0.23	-7.28e-04	-9.57e-04	0.0
123	14	-0.04	-0.04	-0.21	-3.60e-04	-4.73e-04	0.0
123	15	0.04	0.04	-0.29	1.93e-04	-1.73e-04	0.0
123	16	0.03	0.02	-0.28	5.36e-04	2.98e-04	0.0
123	17	-0.03	-0.02	-0.23	-7.15e-04	-9.51e-04	0.0
123	18	-0.04	-0.04	-0.21	-3.72e-04	-4.79e-04	0.0
123	19	0.04	-0.02	-0.29	2.00e-04	-1.66e-04	0.0
123	20	0.04	-0.04	-0.28	5.67e-04	3.17e-04	0.0
123	21	-0.03	0.04	-0.23	-7.46e-04	-9.70e-04	0.0
123	22	-0.04	0.02	-0.21	-3.79e-04	-4.87e-04	0.0
123	23	0.04	-0.02	-0.29	2.12e-04	-1.60e-04	0.0
123	24	0.03	-0.04	-0.28	5.55e-04	3.11e-04	0.0
123	25	-0.03	0.04	-0.23	-7.34e-04	-9.64e-04	0.0
123	26	-0.04	0.02	-0.21	-3.91e-04	-4.92e-04	0.0
123	27	0.03	0.03	-0.28	-5.65e-04	-1.01e-03	0.0
123	28	-2.26e-03	-0.02	-0.24	6.59e-04	5.95e-04	0.0

123	29	3.01e-03	0.02	-0.26	-8.38e-04	-1.25e-03	0.0
123	30	-0.03	-0.03	-0.22	3.86e-04	3.62e-04	0.0
123	31	0.03	0.02	-0.28	-5.60e-04	-1.01e-03	0.0
123	32	-2.28e-03	-0.03	-0.24	6.64e-04	5.99e-04	0.0
123	33	3.03e-03	0.03	-0.26	-8.43e-04	-1.25e-03	0.0
123	34	-0.03	-0.02	-0.22	3.81e-04	3.58e-04	0.0
123	35	0.03	0.03	-0.28	-5.25e-04	-9.96e-04	0.0
123	36	-4.15e-03	-0.01	-0.24	6.19e-04	5.76e-04	0.0
123	37	4.89e-03	0.01	-0.26	-7.98e-04	-1.23e-03	0.0
123	38	-0.03	-0.03	-0.22	3.46e-04	3.43e-04	0.0
123	39	0.03	0.01	-0.28	-5.19e-04	-9.92e-04	0.0
123	40	-4.17e-03	-0.03	-0.24	6.24e-04	5.80e-04	0.0
123	41	4.91e-03	0.03	-0.26	-8.03e-04	-1.23e-03	0.0
123	42	-0.03	-0.01	-0.22	3.40e-04	3.39e-04	0.0
123	43	0.03	0.03	-0.28	1.25e-04	-2.12e-04	0.0
123	44	0.03	0.02	-0.27	4.16e-04	1.71e-04	0.0
123	45	-0.03	-0.02	-0.23	-5.95e-04	-8.23e-04	0.0
123	46	-0.03	-0.03	-0.22	-3.04e-04	-4.41e-04	0.0
123	47	0.04	0.03	-0.28	1.35e-04	-2.07e-04	0.0
123	48	0.03	0.02	-0.27	4.06e-04	1.66e-04	0.0
123	49	-0.03	-0.02	-0.23	-5.85e-04	-8.19e-04	0.0
123	50	-0.03	-0.03	-0.22	-3.14e-04	-4.45e-04	0.0
123	51	0.03	-0.02	-0.28	1.40e-04	-2.02e-04	0.0
123	52	0.03	-0.03	-0.27	4.30e-04	1.81e-04	0.0
123	53	-0.03	0.03	-0.23	-6.09e-04	-8.33e-04	0.0
123	54	-0.03	0.02	-0.22	-3.19e-04	-4.51e-04	0.0
123	55	0.04	-0.02	-0.28	1.49e-04	-1.97e-04	0.0
123	56	0.03	-0.03	-0.27	4.21e-04	1.76e-04	0.0
123	57	-0.03	0.03	-0.23	-6.00e-04	-8.29e-04	0.0
123	58	-0.03	0.02	-0.22	-3.29e-04	-4.56e-04	0.0
123	59	0.02	0.03	-0.28	-4.65e-04	-8.72e-04	0.0
123	60	-1.71e-03	-0.01	-0.25	5.02e-04	4.03e-04	0.0
123	61	2.46e-03	0.01	-0.26	-6.82e-04	-1.06e-03	0.0
123	62	-0.02	-0.03	-0.23	2.86e-04	2.19e-04	0.0
123	63	0.02	0.01	-0.28	-4.61e-04	-8.69e-04	0.0
123	64	-1.75e-03	-0.03	-0.25	5.07e-04	4.06e-04	0.0
123	65	2.50e-03	0.03	-0.26	-6.86e-04	-1.06e-03	0.0
123	66	-0.02	-0.01	-0.23	2.82e-04	2.16e-04	0.0
123	67	0.02	0.02	-0.28	-4.34e-04	-8.57e-04	0.0
123	68	-3.19e-03	-9.74e-03	-0.24	4.71e-04	3.87e-04	0.0
123	69	3.94e-03	9.61e-03	-0.26	-6.50e-04	-1.04e-03	0.0
123	70	-0.02	-0.02	-0.23	2.55e-04	2.04e-04	0.0
123	71	0.02	9.73e-03	-0.28	-4.29e-04	-8.54e-04	0.0
123	72	-3.23e-03	-0.02	-0.24	4.75e-04	3.90e-04	0.0
123	73	3.98e-03	0.02	-0.26	-6.54e-04	-1.04e-03	0.0
123	74	-0.02	-9.85e-03	-0.23	2.50e-04	2.01e-04	0.0
123	75	0.03	0.02	-0.28	8.81e-05	-2.31e-04	0.0
123	76	0.02	0.01	-0.27	3.28e-04	8.46e-05	0.0
123	77	-0.02	-0.01	-0.24	-5.07e-04	-7.37e-04	0.0
123	78	-0.03	-0.02	-0.23	-2.67e-04	-4.21e-04	0.0
123	79	0.03	0.02	-0.28	9.60e-05	-2.28e-04	0.0
123	80	0.02	0.02	-0.27	3.20e-04	8.08e-05	0.0
123	81	-0.02	-0.02	-0.24	-4.99e-04	-7.34e-04	0.0
123	82	-0.03	-0.02	-0.23	-2.75e-04	-4.25e-04	0.0
123	83	0.03	-0.01	-0.28	1.00e-04	-2.23e-04	0.0
123	84	0.02	-0.02	-0.27	3.40e-04	9.30e-05	0.0
123	85	-0.02	0.02	-0.24	-5.19e-04	-7.46e-04	0.0
123	86	-0.03	0.01	-0.23	-2.79e-04	-4.30e-04	0.0
123	87	0.03	-0.02	-0.28	1.08e-04	-2.19e-04	0.0
123	88	0.02	-0.02	-0.27	3.32e-04	8.92e-05	0.0
123	89	-0.02	0.02	-0.24	-5.11e-04	-7.42e-04	0.0
123	90	-0.03	0.02	-0.23	-2.87e-04	-4.33e-04	0.0
123	91	0.02	0.02	-0.27	-4.00e-04	-7.77e-04	0.0
123	92	-1.34e-03	-9.83e-03	-0.25	4.00e-04	2.76e-04	0.0
123	93	2.09e-03	9.70e-03	-0.26	-5.79e-04	-9.29e-04	0.0
123	94	-0.02	-0.02	-0.23	2.21e-04	1.25e-04	0.0
123	95	0.02	9.80e-03	-0.27	-3.97e-04	-7.75e-04	0.0
123	96	-1.38e-03	-0.02	-0.25	4.03e-04	2.79e-04	0.0
123	97	2.13e-03	0.02	-0.26	-5.82e-04	-9.31e-04	0.0
123	98	-0.02	-9.92e-03	-0.23	2.18e-04	1.22e-04	0.0
123	99	0.02	0.02	-0.27	-3.74e-04	-7.65e-04	0.0
123	100	-2.57e-03	-8.10e-03	-0.25	3.73e-04	2.64e-04	0.0

123	101	3.32e-03	7.98e-03	-0.26	-5.53e-04	-9.16e-04	0.0
123	102	-0.02	-0.02	-0.23	1.95e-04	1.12e-04	0.0
123	103	0.02	8.07e-03	-0.27	-3.70e-04	-7.62e-04	0.0
123	104	-2.60e-03	-0.02	-0.25	3.77e-04	2.66e-04	0.0
123	105	3.35e-03	0.02	-0.26	-5.56e-04	-9.19e-04	0.0
123	106	-0.02	-8.20e-03	-0.23	1.91e-04	1.09e-04	0.0
124	1	5.06e-04	-1.07e-04	-0.27	-2.42e-05	-1.32e-04	-3.39e-06
124	2	7.93e-04	-1.18e-04	-0.40	-1.98e-04	-7.06e-04	-1.67e-05
124	3	3.84e-04	-8.21e-05	-0.20	-1.54e-05	-9.10e-05	-2.36e-06
124	4	6.70e-04	-9.34e-05	-0.33	-1.89e-04	-6.64e-04	-1.56e-05
124	5	3.87e-04	-8.22e-05	-0.20	-1.72e-05	-9.71e-05	-2.50e-06
124	6	5.78e-04	-8.97e-05	-0.29	-1.33e-04	-4.79e-04	-1.14e-05
124	7	3.87e-04	-8.22e-05	-0.20	-1.72e-05	-9.71e-05	-2.50e-06
124	8	5.21e-04	-8.75e-05	-0.27	-9.84e-05	-3.65e-04	-8.70e-06
124	9	3.87e-04	-8.22e-05	-0.20	-1.72e-05	-9.71e-05	-2.50e-06
124	10	5.02e-04	-8.67e-05	-0.26	-8.68e-05	-3.26e-04	-7.82e-06
124	11	0.05	0.04	-0.26	1.91e-04	-1.76e-04	-4.47e-05
124	12	0.03	0.02	-0.23	5.53e-04	3.03e-04	-2.12e-05
124	13	-0.03	-0.02	-0.29	-7.27e-04	-9.55e-04	5.61e-06
124	14	-0.04	-0.04	-0.25	-3.65e-04	-4.76e-04	2.91e-05
124	15	0.05	0.04	-0.26	2.04e-04	-1.71e-04	-4.50e-05
124	16	0.03	0.02	-0.23	5.41e-04	2.97e-04	-2.09e-05
124	17	-0.03	-0.02	-0.29	-7.15e-04	-9.50e-04	5.25e-06
124	18	-0.04	-0.04	-0.25	-3.77e-04	-4.82e-04	2.94e-05
124	19	0.05	-0.02	-0.26	2.10e-04	-1.63e-04	-4.48e-05
124	20	0.03	-0.04	-0.23	5.72e-04	3.16e-04	-2.13e-05
124	21	-0.03	0.04	-0.29	-7.45e-04	-9.69e-04	5.67e-06
124	22	-0.04	0.02	-0.25	-3.83e-04	-4.90e-04	2.91e-05
124	23	0.05	-0.02	-0.26	2.22e-04	-1.58e-04	-4.51e-05
124	24	0.03	-0.04	-0.23	5.60e-04	3.10e-04	-2.09e-05
124	25	-0.03	0.04	-0.29	-7.33e-04	-9.63e-04	5.31e-06
124	26	-0.04	0.02	-0.25	-3.96e-04	-4.95e-04	2.95e-05
124	27	0.03	0.03	-0.31	-5.52e-04	-1.01e-03	-5.44e-05
124	28	-0.01	-0.02	-0.20	6.54e-04	5.89e-04	2.37e-05
124	29	0.01	0.02	-0.32	-8.28e-04	-1.24e-03	-3.94e-05
124	30	-0.03	-0.03	-0.21	3.79e-04	3.55e-04	3.88e-05
124	31	0.03	0.02	-0.31	-5.47e-04	-1.00e-03	-5.45e-05
124	32	-0.01	-0.03	-0.20	6.60e-04	5.93e-04	2.37e-05
124	33	0.01	0.03	-0.32	-8.33e-04	-1.25e-03	-3.93e-05
124	34	-0.03	-0.02	-0.21	3.73e-04	3.51e-04	3.88e-05
124	35	0.04	0.03	-0.31	-5.12e-04	-9.89e-04	-5.56e-05
124	36	-0.01	-0.01	-0.20	6.14e-04	5.70e-04	2.49e-05
124	37	0.01	0.01	-0.31	-7.88e-04	-1.22e-03	-4.05e-05
124	38	-0.04	-0.03	-0.21	3.39e-04	3.36e-04	4.00e-05
124	39	0.04	0.01	-0.31	-5.07e-04	-9.85e-04	-5.56e-05
124	40	-0.01	-0.03	-0.20	6.20e-04	5.74e-04	2.49e-05
124	41	0.01	0.03	-0.31	-7.93e-04	-1.23e-03	-4.05e-05
124	42	-0.04	-0.01	-0.21	3.33e-04	3.32e-04	4.00e-05
124	43	0.04	0.03	-0.26	1.34e-04	-2.10e-04	-3.69e-05
124	44	0.02	0.02	-0.23	4.20e-04	1.69e-04	-1.84e-05
124	45	-0.02	-0.02	-0.28	-5.94e-04	-8.22e-04	2.76e-06
124	46	-0.03	-0.03	-0.25	-3.08e-04	-4.43e-04	2.13e-05
124	47	0.04	0.03	-0.26	1.44e-04	-2.05e-04	-3.72e-05
124	48	0.02	0.02	-0.23	4.11e-04	1.65e-04	-1.81e-05
124	49	-0.02	-0.02	-0.28	-5.84e-04	-8.18e-04	2.47e-06
124	50	-0.03	-0.03	-0.26	-3.17e-04	-4.48e-04	2.16e-05
124	51	0.04	-0.02	-0.26	1.49e-04	-2.00e-04	-3.69e-05
124	52	0.02	-0.03	-0.23	4.35e-04	1.80e-04	-1.84e-05
124	53	-0.02	0.03	-0.28	-6.08e-04	-8.32e-04	2.76e-06
124	54	-0.03	0.02	-0.25	-3.22e-04	-4.53e-04	2.13e-05
124	55	0.04	-0.02	-0.26	1.58e-04	-1.95e-04	-3.72e-05
124	56	0.02	-0.03	-0.23	4.25e-04	1.75e-04	-1.81e-05
124	57	-0.02	0.03	-0.28	-5.99e-04	-8.28e-04	2.47e-06
124	58	-0.03	0.02	-0.25	-3.32e-04	-4.58e-04	2.16e-05
124	59	0.03	0.03	-0.30	-4.55e-04	-8.66e-04	-4.47e-05
124	60	-8.68e-03	-0.01	-0.21	4.99e-04	3.97e-04	1.71e-05
124	61	9.69e-03	0.01	-0.30	-6.73e-04	-1.05e-03	-3.27e-05
124	62	-0.03	-0.03	-0.22	2.81e-04	2.14e-04	2.90e-05
124	63	0.03	0.01	-0.30	-4.50e-04	-8.63e-04	-4.47e-05
124	64	-8.66e-03	-0.03	-0.21	5.04e-04	4.00e-04	1.71e-05
124	65	9.66e-03	0.03	-0.30	-6.77e-04	-1.05e-03	-3.27e-05
124	66	-0.03	-0.01	-0.22	2.77e-04	2.11e-04	2.90e-05

124	67	0.03	0.02	-0.30	-4.23e-04	-8.51e-04	-4.56e-05
124	68	-9.92e-03	-9.57e-03	-0.21	4.68e-04	3.82e-04	1.81e-05
124	69	0.01	9.40e-03	-0.30	-6.41e-04	-1.04e-03	-3.37e-05
124	70	-0.03	-0.02	-0.22	2.49e-04	1.99e-04	3.00e-05
124	71	0.03	9.53e-03	-0.30	-4.18e-04	-8.48e-04	-4.56e-05
124	72	-9.90e-03	-0.02	-0.21	4.72e-04	3.85e-04	1.81e-05
124	73	0.01	0.02	-0.30	-6.46e-04	-1.04e-03	-3.37e-05
124	74	-0.03	-9.70e-03	-0.22	2.45e-04	1.96e-04	3.00e-05
124	75	0.03	0.02	-0.26	9.57e-05	-2.30e-04	-3.19e-05
124	76	0.02	0.01	-0.24	3.32e-04	8.37e-05	-1.66e-05
124	77	-0.02	-0.02	-0.28	-5.06e-04	-7.37e-04	0.0
124	78	-0.03	-0.02	-0.26	-2.69e-04	-4.23e-04	1.63e-05
124	79	0.03	0.02	-0.26	1.04e-04	-2.26e-04	-3.21e-05
124	80	0.02	0.02	-0.24	3.24e-04	8.00e-05	-1.63e-05
124	81	-0.02	-0.02	-0.28	-4.98e-04	-7.33e-04	0.0
124	82	-0.03	-0.02	-0.26	-2.77e-04	-4.27e-04	1.65e-05
124	83	0.03	-0.01	-0.26	1.08e-04	-2.21e-04	-3.19e-05
124	84	0.02	-0.02	-0.24	3.44e-04	9.21e-05	-1.66e-05
124	85	-0.02	0.02	-0.28	-5.18e-04	-7.45e-04	0.0
124	86	-0.03	0.01	-0.25	-2.81e-04	-4.32e-04	1.63e-05
124	87	0.03	-0.02	-0.26	1.16e-04	-2.18e-04	-3.21e-05
124	88	0.02	-0.02	-0.24	3.36e-04	8.84e-05	-1.63e-05
124	89	-0.02	0.02	-0.28	-5.10e-04	-7.41e-04	0.0
124	90	-0.03	0.01	-0.25	-2.89e-04	-4.35e-04	1.65e-05
124	91	0.02	0.02	-0.29	-3.91e-04	-7.73e-04	-3.83e-05
124	92	-7.08e-03	-9.53e-03	-0.22	3.98e-04	2.72e-04	1.28e-05
124	93	8.08e-03	9.35e-03	-0.30	-5.71e-04	-9.25e-04	-2.84e-05
124	94	-0.02	-0.02	-0.22	2.17e-04	1.20e-04	2.26e-05
124	95	0.02	9.46e-03	-0.29	-3.87e-04	-7.70e-04	-3.83e-05
124	96	-7.06e-03	-0.02	-0.22	4.01e-04	2.74e-04	1.28e-05
124	97	8.07e-03	0.02	-0.30	-5.75e-04	-9.27e-04	-2.84e-05
124	98	-0.02	-9.64e-03	-0.22	2.14e-04	1.17e-04	2.26e-05
124	99	0.02	0.02	-0.29	-3.65e-04	-7.60e-04	-3.91e-05
124	100	-8.11e-03	-7.97e-03	-0.22	3.71e-04	2.59e-04	1.36e-05
124	101	9.11e-03	7.80e-03	-0.29	-5.45e-04	-9.12e-04	-2.92e-05
124	102	-0.02	-0.02	-0.22	1.91e-04	1.07e-04	2.34e-05
124	103	0.02	7.91e-03	-0.29	-3.61e-04	-7.58e-04	-3.91e-05
124	104	-8.09e-03	-0.02	-0.22	3.75e-04	2.62e-04	1.36e-05
124	105	9.09e-03	0.02	-0.29	-5.49e-04	-9.15e-04	-2.92e-05
124	106	-0.02	-8.08e-03	-0.22	1.87e-04	1.05e-04	2.34e-05
127	1	6.73e-04	-3.41e-04	-0.26	-5.43e-05	-1.13e-04	0.0
127	2	6.45e-04	3.34e-04	-0.34	-2.85e-04	-6.25e-04	0.0
127	3	5.18e-04	-2.75e-04	-0.20	-3.74e-05	-7.76e-05	0.0
127	4	4.91e-04	4.00e-04	-0.28	-2.68e-04	-5.89e-04	0.0
127	5	5.18e-04	-2.68e-04	-0.20	-3.98e-05	-8.31e-05	0.0
127	6	4.99e-04	1.82e-04	-0.25	-1.94e-04	-4.24e-04	0.0
127	7	5.18e-04	-2.68e-04	-0.20	-3.98e-05	-8.31e-05	0.0
127	8	5.05e-04	4.70e-05	-0.24	-1.48e-04	-3.22e-04	0.0
127	9	5.18e-04	-2.68e-04	-0.20	-3.98e-05	-8.31e-05	0.0
127	10	5.07e-04	1.99e-06	-0.23	-1.32e-04	-2.88e-04	0.0
127	11	0.05	0.04	-0.27	2.07e-04	-5.47e-05	0.0
127	12	0.03	0.02	-0.26	6.36e-04	3.69e-04	0.0
127	13	-0.03	-0.02	-0.20	-9.01e-04	-9.44e-04	0.0
127	14	-0.05	-0.04	-0.19	-4.71e-04	-5.21e-04	0.0
127	15	0.05	0.04	-0.27	2.23e-04	-4.93e-05	0.0
127	16	0.03	0.02	-0.26	6.20e-04	3.63e-04	0.0
127	17	-0.03	-0.02	-0.20	-8.84e-04	-9.39e-04	0.0
127	18	-0.05	-0.04	-0.19	-4.88e-04	-5.26e-04	0.0
127	19	0.05	0.03	-0.27	2.27e-04	-4.00e-05	0.0
127	20	0.03	0.02	-0.25	6.57e-04	3.83e-04	0.0
127	21	-0.03	-0.02	-0.21	-9.21e-04	-9.59e-04	0.0
127	22	-0.05	-0.03	-0.19	-4.92e-04	-5.36e-04	0.0
127	23	0.05	0.03	-0.27	2.44e-04	-3.45e-05	0.0
127	24	0.03	0.02	-0.26	6.40e-04	3.78e-04	0.0
127	25	-0.03	-0.02	-0.20	-9.05e-04	-9.53e-04	0.0
127	26	-0.05	-0.03	-0.19	-5.08e-04	-5.41e-04	0.0
127	27	0.04	0.04	-0.26	-6.82e-04	-8.60e-04	0.0
127	28	-0.02	-0.02	-0.22	7.50e-04	5.51e-04	0.0
127	29	0.02	0.02	-0.24	-1.01e-03	-1.13e-03	0.0
127	30	-0.04	-0.04	-0.20	4.18e-04	2.84e-04	0.0
127	31	0.04	0.03	-0.26	-6.76e-04	-8.55e-04	0.0
127	32	-0.02	-0.02	-0.22	7.56e-04	5.56e-04	0.0

127	33	0.02	0.02	-0.24	-1.02e-03	-1.13e-03	0.0
127	34	-0.04	-0.03	-0.20	4.11e-04	2.80e-04	0.0
127	35	0.04	0.04	-0.26	-6.27e-04	-8.42e-04	0.0
127	36	-0.02	-0.02	-0.22	6.95e-04	5.33e-04	0.0
127	37	0.02	0.02	-0.24	-9.59e-04	-1.11e-03	0.0
127	38	-0.04	-0.04	-0.20	3.62e-04	2.66e-04	0.0
127	39	0.05	0.03	-0.26	-6.21e-04	-8.37e-04	0.0
127	40	-0.02	-0.02	-0.22	7.01e-04	5.37e-04	0.0
127	41	0.02	0.02	-0.24	-9.65e-04	-1.11e-03	0.0
127	42	-0.04	-0.03	-0.20	3.56e-04	2.62e-04	0.0
127	43	0.04	0.03	-0.26	1.37e-04	-1.05e-04	0.0
127	44	0.02	0.02	-0.25	4.76e-04	2.29e-04	0.0
127	45	-0.02	-0.02	-0.21	-7.41e-04	-8.05e-04	0.0
127	46	-0.04	-0.03	-0.20	-4.02e-04	-4.70e-04	0.0
127	47	0.04	0.03	-0.26	1.50e-04	-1.01e-04	0.0
127	48	0.02	0.02	-0.25	4.63e-04	2.25e-04	0.0
127	49	-0.02	-0.02	-0.21	-7.28e-04	-8.01e-04	0.0
127	50	-0.04	-0.03	-0.20	-4.15e-04	-4.75e-04	0.0
127	51	0.04	0.03	-0.26	1.53e-04	-9.41e-05	0.0
127	52	0.02	0.02	-0.25	4.92e-04	2.41e-04	0.0
127	53	-0.02	-0.02	-0.21	-7.57e-04	-8.16e-04	0.0
127	54	-0.04	-0.03	-0.20	-4.18e-04	-4.81e-04	0.0
127	55	0.04	0.03	-0.26	1.66e-04	-8.99e-05	0.0
127	56	0.02	0.01	-0.25	4.79e-04	2.36e-04	0.0
127	57	-0.02	-0.01	-0.21	-7.44e-04	-8.12e-04	0.0
127	58	-0.04	-0.03	-0.20	-4.31e-04	-4.86e-04	0.0
127	59	0.03	0.03	-0.25	-5.66e-04	-7.41e-04	0.0
127	60	-0.02	-0.01	-0.22	5.65e-04	3.75e-04	0.0
127	61	0.02	0.01	-0.24	-8.29e-04	-9.51e-04	0.0
127	62	-0.03	-0.03	-0.21	3.01e-04	1.65e-04	0.0
127	63	0.03	0.03	-0.25	-5.61e-04	-7.37e-04	0.0
127	64	-0.02	-0.01	-0.22	5.69e-04	3.78e-04	0.0
127	65	0.02	0.01	-0.24	-8.34e-04	-9.54e-04	0.0
127	66	-0.03	-0.03	-0.21	2.96e-04	1.62e-04	0.0
127	67	0.04	0.03	-0.25	-5.22e-04	-7.27e-04	0.0
127	68	-0.02	-0.01	-0.22	5.21e-04	3.61e-04	0.0
127	69	0.02	0.01	-0.24	-7.86e-04	-9.36e-04	0.0
127	70	-0.03	-0.03	-0.21	2.58e-04	1.51e-04	0.0
127	71	0.04	0.03	-0.25	-5.17e-04	-7.23e-04	0.0
127	72	-0.02	-0.01	-0.22	5.26e-04	3.64e-04	0.0
127	73	0.02	0.01	-0.24	-7.90e-04	-9.40e-04	0.0
127	74	-0.03	-0.03	-0.21	2.53e-04	1.48e-04	0.0
127	75	0.03	0.02	-0.25	9.03e-05	-1.37e-04	0.0
127	76	0.02	0.01	-0.25	3.71e-04	1.40e-04	0.0
127	77	-0.02	-0.01	-0.21	-6.35e-04	-7.16e-04	0.0
127	78	-0.03	-0.02	-0.21	-3.55e-04	-4.39e-04	0.0
127	79	0.03	0.02	-0.25	1.01e-04	-1.33e-04	0.0
127	80	0.02	0.01	-0.25	3.60e-04	1.37e-04	0.0
127	81	-0.02	-0.01	-0.21	-6.24e-04	-7.12e-04	0.0
127	82	-0.03	-0.02	-0.21	-3.66e-04	-4.42e-04	0.0
127	83	0.03	0.02	-0.25	1.04e-04	-1.27e-04	0.0
127	84	0.02	0.01	-0.25	3.84e-04	1.49e-04	0.0
127	85	-0.02	-0.01	-0.21	-6.49e-04	-7.25e-04	0.0
127	86	-0.03	-0.02	-0.21	-3.68e-04	-4.48e-04	0.0
127	87	0.03	0.02	-0.25	1.14e-04	-1.24e-04	0.0
127	88	0.02	0.01	-0.25	3.73e-04	1.46e-04	0.0
127	89	-0.02	-0.01	-0.21	-6.38e-04	-7.21e-04	0.0
127	90	-0.03	-0.02	-0.21	-3.79e-04	-4.52e-04	0.0
127	91	0.03	0.02	-0.25	-4.91e-04	-6.62e-04	0.0
127	92	-0.01	-0.01	-0.22	4.44e-04	2.60e-04	0.0
127	93	0.01	0.01	-0.24	-7.08e-04	-8.36e-04	0.0
127	94	-0.03	-0.02	-0.21	2.26e-04	8.65e-05	0.0
127	95	0.03	0.02	-0.25	-4.87e-04	-6.59e-04	0.0
127	96	-0.01	-0.01	-0.22	4.48e-04	2.63e-04	0.0
127	97	0.01	0.01	-0.24	-7.12e-04	-8.39e-04	0.0
127	98	-0.03	-0.02	-0.21	2.22e-04	8.38e-05	0.0
127	99	0.03	0.02	-0.25	-4.55e-04	-6.50e-04	0.0
127	100	-0.01	-0.01	-0.22	4.08e-04	2.48e-04	0.0
127	101	0.02	0.01	-0.24	-6.72e-04	-8.24e-04	0.0
127	102	-0.03	-0.02	-0.21	1.90e-04	7.47e-05	0.0
127	103	0.03	0.02	-0.25	-4.51e-04	-6.48e-04	0.0
127	104	-0.01	-0.01	-0.22	4.12e-04	2.51e-04	0.0

127	105	0.02	0.01	-0.24	-6.76e-04	-8.27e-04	0.0
127	106	-0.03	-0.02	-0.21	1.86e-04	7.20e-05	0.0
128	1	7.51e-04	-3.37e-04	-0.26	-5.42e-05	-1.13e-04	0.0
128	2	2.78e-04	3.62e-04	-0.35	-2.85e-04	-6.25e-04	0.0
128	3	5.86e-04	-2.72e-04	-0.20	-3.73e-05	-7.76e-05	0.0
128	4	1.13e-04	4.26e-04	-0.29	-2.69e-04	-5.89e-04	0.0
128	5	5.81e-04	-2.65e-04	-0.20	-3.98e-05	-8.30e-05	0.0
128	6	2.66e-04	2.01e-04	-0.26	-1.94e-04	-4.24e-04	0.0
128	7	5.81e-04	-2.65e-04	-0.20	-3.98e-05	-8.30e-05	0.0
128	8	3.61e-04	6.11e-05	-0.24	-1.48e-04	-3.22e-04	0.0
128	9	5.81e-04	-2.65e-04	-0.20	-3.98e-05	-8.30e-05	0.0
128	10	3.92e-04	1.45e-05	-0.24	-1.32e-04	-2.88e-04	0.0
128	11	0.05	0.04	-0.29	2.07e-04	-5.40e-05	0.0
128	12	0.02	0.02	-0.26	6.36e-04	3.69e-04	0.0
128	13	-0.02	-0.02	-0.21	-9.01e-04	-9.44e-04	0.0
128	14	-0.05	-0.04	-0.18	-4.71e-04	-5.21e-04	0.0
128	15	0.05	0.04	-0.29	2.23e-04	-4.85e-05	0.0
128	16	0.02	0.02	-0.26	6.20e-04	3.64e-04	0.0
128	17	-0.02	-0.02	-0.21	-8.84e-04	-9.39e-04	0.0
128	18	-0.05	-0.04	-0.18	-4.88e-04	-5.27e-04	0.0
128	19	0.05	0.03	-0.29	2.27e-04	-3.93e-05	0.0
128	20	0.02	0.02	-0.26	6.57e-04	3.84e-04	0.0
128	21	-0.02	-0.02	-0.21	-9.22e-04	-9.59e-04	0.0
128	22	-0.05	-0.03	-0.18	-4.92e-04	-5.36e-04	0.0
128	23	0.05	0.03	-0.29	2.44e-04	-3.38e-05	0.0
128	24	0.02	0.02	-0.26	6.40e-04	3.78e-04	0.0
128	25	-0.02	-0.02	-0.21	-9.05e-04	-9.54e-04	0.0
128	26	-0.05	-0.03	-0.18	-5.08e-04	-5.41e-04	0.0
128	27	0.05	0.04	-0.30	-6.82e-04	-8.59e-04	0.0
128	28	-0.03	-0.02	-0.20	7.50e-04	5.51e-04	0.0
128	29	0.03	0.02	-0.28	-1.01e-03	-1.13e-03	0.0
128	30	-0.05	-0.04	-0.17	4.17e-04	2.84e-04	0.0
128	31	0.05	0.03	-0.30	-6.76e-04	-8.55e-04	0.0
128	32	-0.03	-0.02	-0.20	7.56e-04	5.56e-04	0.0
128	33	0.03	0.02	-0.28	-1.02e-03	-1.13e-03	0.0
128	34	-0.05	-0.03	-0.17	4.11e-04	2.80e-04	0.0
128	35	0.05	0.04	-0.30	-6.27e-04	-8.41e-04	0.0
128	36	-0.03	-0.02	-0.20	6.95e-04	5.33e-04	0.0
128	37	0.03	0.02	-0.27	-9.59e-04	-1.11e-03	0.0
128	38	-0.05	-0.04	-0.18	3.62e-04	2.66e-04	0.0
128	39	0.05	0.03	-0.30	-6.21e-04	-8.37e-04	0.0
128	40	-0.03	-0.02	-0.20	7.01e-04	5.37e-04	0.0
128	41	0.03	0.02	-0.27	-9.65e-04	-1.11e-03	0.0
128	42	-0.05	-0.03	-0.18	3.56e-04	2.62e-04	0.0
128	43	0.04	0.03	-0.28	1.37e-04	-1.05e-04	0.0
128	44	0.02	0.02	-0.26	4.76e-04	2.30e-04	0.0
128	45	-0.02	-0.02	-0.22	-7.41e-04	-8.05e-04	0.0
128	46	-0.04	-0.03	-0.19	-4.02e-04	-4.70e-04	0.0
128	47	0.04	0.03	-0.28	1.50e-04	-1.00e-04	0.0
128	48	0.02	0.02	-0.26	4.63e-04	2.26e-04	0.0
128	49	-0.02	-0.02	-0.22	-7.28e-04	-8.01e-04	0.0
128	50	-0.04	-0.03	-0.19	-4.15e-04	-4.75e-04	0.0
128	51	0.04	0.03	-0.28	1.53e-04	-9.35e-05	0.0
128	52	0.02	0.02	-0.26	4.93e-04	2.41e-04	0.0
128	53	-0.02	-0.02	-0.22	-7.57e-04	-8.16e-04	0.0
128	54	-0.04	-0.03	-0.19	-4.18e-04	-4.82e-04	0.0
128	55	0.04	0.03	-0.28	1.66e-04	-8.92e-05	0.0
128	56	0.02	0.01	-0.26	4.79e-04	2.37e-04	0.0
128	57	-0.02	-0.01	-0.22	-7.44e-04	-8.12e-04	0.0
128	58	-0.04	-0.03	-0.19	-4.31e-04	-4.86e-04	0.0
128	59	0.04	0.03	-0.29	-5.66e-04	-7.40e-04	0.0
128	60	-0.02	-0.01	-0.20	5.65e-04	3.75e-04	0.0
128	61	0.02	0.01	-0.27	-8.29e-04	-9.50e-04	0.0
128	62	-0.04	-0.03	-0.19	3.01e-04	1.65e-04	0.0
128	63	0.04	0.03	-0.29	-5.61e-04	-7.37e-04	0.0
128	64	-0.02	-0.01	-0.20	5.69e-04	3.79e-04	0.0
128	65	0.02	0.01	-0.27	-8.34e-04	-9.54e-04	0.0
128	66	-0.04	-0.03	-0.19	2.96e-04	1.62e-04	0.0
128	67	0.04	0.03	-0.28	-5.22e-04	-7.26e-04	0.0
128	68	-0.02	-0.01	-0.21	5.21e-04	3.61e-04	0.0
128	69	0.02	0.01	-0.26	-7.86e-04	-9.36e-04	0.0
128	70	-0.04	-0.03	-0.19	2.58e-04	1.51e-04	0.0

128	71	0.04	0.03	-0.28	-5.17e-04	-7.23e-04	0.0
128	72	-0.02	-0.01	-0.21	5.26e-04	3.64e-04	0.0
128	73	0.02	0.01	-0.26	-7.91e-04	-9.39e-04	0.0
128	74	-0.04	-0.03	-0.19	2.53e-04	1.48e-04	0.0
128	75	0.03	0.02	-0.27	9.04e-05	-1.36e-04	0.0
128	76	0.01	0.01	-0.25	3.71e-04	1.41e-04	0.0
128	77	-0.01	-0.01	-0.22	-6.35e-04	-7.16e-04	0.0
128	78	-0.03	-0.02	-0.20	-3.55e-04	-4.39e-04	0.0
128	79	0.03	0.02	-0.27	1.01e-04	-1.33e-04	0.0
128	80	0.01	0.01	-0.25	3.60e-04	1.37e-04	0.0
128	81	-0.01	-0.01	-0.22	-6.24e-04	-7.12e-04	0.0
128	82	-0.03	-0.02	-0.20	-3.66e-04	-4.43e-04	0.0
128	83	0.03	0.02	-0.27	1.04e-04	-1.27e-04	0.0
128	84	0.02	0.01	-0.25	3.84e-04	1.50e-04	0.0
128	85	-0.01	-0.01	-0.22	-6.49e-04	-7.25e-04	0.0
128	86	-0.03	-0.02	-0.20	-3.68e-04	-4.48e-04	0.0
128	87	0.03	0.02	-0.27	1.15e-04	-1.23e-04	0.0
128	88	0.02	0.01	-0.25	3.73e-04	1.46e-04	0.0
128	89	-0.01	-0.01	-0.22	-6.38e-04	-7.21e-04	0.0
128	90	-0.03	-0.02	-0.20	-3.79e-04	-4.52e-04	0.0
128	91	0.03	0.02	-0.28	-4.91e-04	-6.62e-04	0.0
128	92	-0.02	-0.01	-0.21	4.44e-04	2.60e-04	0.0
128	93	0.02	0.01	-0.26	-7.08e-04	-8.36e-04	0.0
128	94	-0.03	-0.02	-0.19	2.26e-04	8.66e-05	0.0
128	95	0.03	0.02	-0.28	-4.87e-04	-6.59e-04	0.0
128	96	-0.02	-0.01	-0.21	4.48e-04	2.63e-04	0.0
128	97	0.02	0.01	-0.26	-7.12e-04	-8.38e-04	0.0
128	98	-0.03	-0.02	-0.19	2.22e-04	8.38e-05	0.0
128	99	0.03	0.02	-0.27	-4.55e-04	-6.50e-04	0.0
128	100	-0.02	-0.01	-0.21	4.08e-04	2.49e-04	0.0
128	101	0.02	0.01	-0.26	-6.72e-04	-8.24e-04	0.0
128	102	-0.03	-0.02	-0.20	1.90e-04	7.48e-05	0.0
128	103	0.03	0.02	-0.27	-4.51e-04	-6.47e-04	0.0
128	104	-0.02	-0.01	-0.21	4.12e-04	2.51e-04	0.0
128	105	0.02	0.01	-0.26	-6.76e-04	-8.27e-04	0.0
128	106	-0.03	-0.02	-0.20	1.86e-04	7.20e-05	0.0
129	1	8.26e-04	-2.48e-04	-0.27	-5.34e-05	-1.13e-04	0.0
129	2	-1.08e-04	-6.88e-05	-0.40	-2.82e-04	-6.23e-04	0.0
129	3	6.53e-04	-1.95e-04	-0.20	-3.68e-05	-7.74e-05	0.0
129	4	-2.80e-04	-1.49e-05	-0.34	-2.65e-04	-5.87e-04	0.0
129	5	6.43e-04	-1.93e-04	-0.20	-3.92e-05	-8.28e-05	0.0
129	6	2.07e-05	-7.28e-05	-0.30	-1.91e-04	-4.23e-04	0.0
129	7	6.43e-04	-1.93e-04	-0.20	-3.92e-05	-8.28e-05	0.0
129	8	2.07e-04	-1.09e-04	-0.27	-1.46e-04	-3.21e-04	0.0
129	9	6.43e-04	-1.93e-04	-0.20	-3.92e-05	-8.28e-05	0.0
129	10	2.70e-04	-1.21e-04	-0.26	-1.31e-04	-2.87e-04	0.0
129	11	0.05	0.04	-0.22	2.12e-04	-5.19e-05	0.0
129	12	0.02	0.02	-0.15	6.40e-04	3.71e-04	0.0
129	13	-0.02	-0.02	-0.37	-9.01e-04	-9.45e-04	0.0
129	14	-0.05	-0.04	-0.30	-4.73e-04	-5.22e-04	0.0
129	15	0.05	0.04	-0.22	2.29e-04	-4.64e-05	0.0
129	16	0.02	0.02	-0.15	6.24e-04	3.66e-04	0.0
129	17	-0.02	-0.02	-0.37	-8.85e-04	-9.39e-04	0.0
129	18	-0.05	-0.04	-0.30	-4.90e-04	-5.27e-04	0.0
129	19	0.05	-0.02	-0.22	2.33e-04	-3.71e-05	0.0
129	20	0.02	-0.04	-0.14	6.61e-04	3.86e-04	0.0
129	21	-0.02	0.04	-0.37	-9.22e-04	-9.60e-04	0.0
129	22	-0.05	0.02	-0.30	-4.94e-04	-5.37e-04	0.0
129	23	0.05	-0.02	-0.22	2.49e-04	-3.17e-05	0.0
129	24	0.02	-0.04	-0.15	6.44e-04	3.80e-04	0.0
129	25	-0.02	0.04	-0.37	-9.05e-04	-9.54e-04	0.0
129	26	-0.05	0.02	-0.30	-5.10e-04	-5.42e-04	0.0
129	27	0.06	0.03	-0.36	-6.77e-04	-8.58e-04	0.0
129	28	-0.04	-0.02	-0.11	7.50e-04	5.52e-04	0.0
129	29	0.04	0.02	-0.41	-1.01e-03	-1.13e-03	0.0
129	30	-0.06	-0.03	-0.16	4.16e-04	2.84e-04	0.0
129	31	0.06	0.02	-0.36	-6.71e-04	-8.53e-04	0.0
129	32	-0.04	-0.03	-0.11	7.56e-04	5.56e-04	0.0
129	33	0.04	0.03	-0.41	-1.02e-03	-1.13e-03	0.0
129	34	-0.06	-0.02	-0.16	4.10e-04	2.80e-04	0.0
129	35	0.06	0.03	-0.35	-6.22e-04	-8.40e-04	0.0
129	36	-0.04	-0.01	-0.12	6.95e-04	5.34e-04	0.0

129	37	0.04	0.01	-0.40	-9.56e-04	-1.11e-03	0.0
129	38	-0.06	-0.03	-0.17	3.61e-04	2.66e-04	0.0
129	39	0.06	0.01	-0.35	-6.16e-04	-8.35e-04	0.0
129	40	-0.04	-0.03	-0.12	7.01e-04	5.38e-04	0.0
129	41	0.04	0.03	-0.40	-9.62e-04	-1.11e-03	0.0
129	42	-0.06	-0.01	-0.17	3.55e-04	2.62e-04	0.0
129	43	0.04	0.03	-0.23	1.42e-04	-1.03e-04	0.0
129	44	0.01	0.02	-0.17	4.80e-04	2.32e-04	0.0
129	45	-0.01	-0.02	-0.35	-7.41e-04	-8.05e-04	0.0
129	46	-0.04	-0.03	-0.29	-4.03e-04	-4.71e-04	0.0
129	47	0.04	0.03	-0.23	1.55e-04	-9.86e-05	0.0
129	48	0.01	0.02	-0.17	4.67e-04	2.27e-04	0.0
129	49	-0.01	-0.02	-0.35	-7.28e-04	-8.01e-04	0.0
129	50	-0.04	-0.03	-0.29	-4.16e-04	-4.75e-04	0.0
129	51	0.04	-0.02	-0.23	1.58e-04	-9.17e-05	0.0
129	52	0.02	-0.03	-0.17	4.96e-04	2.43e-04	0.0
129	53	-0.01	0.03	-0.35	-7.57e-04	-8.17e-04	0.0
129	54	-0.04	0.02	-0.29	-4.19e-04	-4.82e-04	0.0
129	55	0.04	-0.02	-0.22	1.71e-04	-8.74e-05	0.0
129	56	0.02	-0.03	-0.17	4.83e-04	2.39e-04	0.0
129	57	-0.01	0.03	-0.35	-7.44e-04	-8.12e-04	0.0
129	58	-0.04	0.02	-0.29	-4.32e-04	-4.86e-04	0.0
129	59	0.05	0.02	-0.34	-5.61e-04	-7.39e-04	0.0
129	60	-0.03	-0.01	-0.14	5.65e-04	3.76e-04	0.0
129	61	0.03	0.01	-0.38	-8.26e-04	-9.50e-04	0.0
129	62	-0.05	-0.02	-0.18	3.00e-04	1.65e-04	0.0
129	63	0.05	0.01	-0.34	-5.56e-04	-7.36e-04	0.0
129	64	-0.03	-0.02	-0.14	5.70e-04	3.79e-04	0.0
129	65	0.03	0.02	-0.38	-8.31e-04	-9.53e-04	0.0
129	66	-0.05	-0.01	-0.18	2.95e-04	1.62e-04	0.0
129	67	0.05	0.02	-0.33	-5.18e-04	-7.25e-04	0.0
129	68	-0.03	-0.01	-0.15	5.22e-04	3.62e-04	0.0
129	69	0.03	0.01	-0.37	-7.83e-04	-9.36e-04	0.0
129	70	-0.05	-0.02	-0.19	2.57e-04	1.51e-04	0.0
129	71	0.05	0.01	-0.33	-5.13e-04	-7.21e-04	0.0
129	72	-0.03	-0.02	-0.15	5.26e-04	3.65e-04	0.0
129	73	0.03	0.02	-0.37	-7.87e-04	-9.39e-04	0.0
129	74	-0.05	-0.01	-0.19	2.52e-04	1.48e-04	0.0
129	75	0.03	0.02	-0.23	9.45e-05	-1.34e-04	0.0
129	76	0.01	0.01	-0.18	3.74e-04	1.42e-04	0.0
129	77	-0.01	-0.01	-0.33	-6.35e-04	-7.16e-04	0.0
129	78	-0.03	-0.02	-0.28	-3.56e-04	-4.39e-04	0.0
129	79	0.03	0.02	-0.23	1.05e-04	-1.31e-04	0.0
129	80	0.01	0.01	-0.19	3.63e-04	1.39e-04	0.0
129	81	-0.01	-0.01	-0.33	-6.24e-04	-7.12e-04	0.0
129	82	-0.03	-0.02	-0.29	-3.66e-04	-4.43e-04	0.0
129	83	0.03	-0.01	-0.23	1.08e-04	-1.25e-04	0.0
129	84	0.01	-0.02	-0.18	3.87e-04	1.51e-04	0.0
129	85	-0.01	0.02	-0.33	-6.48e-04	-7.25e-04	0.0
129	86	-0.03	0.01	-0.29	-3.69e-04	-4.49e-04	0.0
129	87	0.03	-0.01	-0.23	1.19e-04	-1.22e-04	0.0
129	88	0.01	-0.02	-0.19	3.76e-04	1.48e-04	0.0
129	89	-0.01	0.02	-0.33	-6.38e-04	-7.22e-04	0.0
129	90	-0.03	0.01	-0.29	-3.80e-04	-4.52e-04	0.0
129	91	0.04	0.02	-0.33	-4.87e-04	-6.61e-04	0.0
129	92	-0.02	-9.21e-03	-0.16	4.44e-04	2.61e-04	0.0
129	93	0.02	8.97e-03	-0.36	-7.05e-04	-8.35e-04	0.0
129	94	-0.04	-0.02	-0.19	2.26e-04	8.68e-05	0.0
129	95	0.04	9.15e-03	-0.33	-4.83e-04	-6.58e-04	0.0
129	96	-0.02	-0.02	-0.16	4.48e-04	2.64e-04	0.0
129	97	0.02	0.02	-0.36	-7.09e-04	-8.38e-04	0.0
129	98	-0.04	-9.39e-03	-0.19	2.21e-04	8.40e-05	0.0
129	99	0.04	0.02	-0.32	-4.51e-04	-6.49e-04	0.0
129	100	-0.02	-8.59e-03	-0.17	4.08e-04	2.49e-04	0.0
129	101	0.03	8.35e-03	-0.35	-6.69e-04	-8.23e-04	0.0
129	102	-0.04	-0.02	-0.20	1.90e-04	7.51e-05	0.0
129	103	0.04	8.53e-03	-0.32	-4.47e-04	-6.46e-04	0.0
129	104	-0.02	-0.02	-0.17	4.12e-04	2.52e-04	0.0
129	105	0.03	0.02	-0.35	-6.74e-04	-8.26e-04	0.0
129	106	-0.04	-8.77e-03	-0.20	1.86e-04	7.23e-05	0.0
130	1	7.44e-04	-1.61e-04	-0.27	-5.25e-05	-1.14e-04	0.0
130	2	3.39e-04	-5.08e-04	-0.42	-2.77e-04	-6.26e-04	0.0

130	3	5.80e-04	-1.17e-04	-0.21	-3.62e-05	-7.78e-05	0.0
130	4	1.75e-04	-4.64e-04	-0.36	-2.61e-04	-5.90e-04	0.0
130	5	5.75e-04	-1.21e-04	-0.21	-3.86e-05	-8.32e-05	0.0
130	6	3.06e-04	-3.52e-04	-0.31	-1.88e-04	-4.25e-04	0.0
130	7	5.75e-04	-1.21e-04	-0.21	-3.86e-05	-8.32e-05	0.0
130	8	3.87e-04	-2.83e-04	-0.28	-1.43e-04	-3.22e-04	0.0
130	9	5.75e-04	-1.21e-04	-0.21	-3.86e-05	-8.32e-05	0.0
130	10	4.14e-04	-2.60e-04	-0.27	-1.28e-04	-2.88e-04	0.0
130	11	0.05	0.04	-0.24	2.18e-04	-5.63e-05	0.0
130	12	0.02	0.02	-0.17	6.44e-04	3.68e-04	0.0
130	13	-0.02	-0.02	-0.37	-9.01e-04	-9.44e-04	0.0
130	14	-0.05	-0.04	-0.30	-4.74e-04	-5.20e-04	0.0
130	15	0.05	0.04	-0.24	2.34e-04	-5.09e-05	0.0
130	16	0.02	0.02	-0.17	6.28e-04	3.62e-04	0.0
130	17	-0.02	-0.02	-0.37	-8.84e-04	-9.39e-04	0.0
130	18	-0.05	-0.04	-0.30	-4.91e-04	-5.25e-04	0.0
130	19	0.05	-0.02	-0.24	2.38e-04	-4.17e-05	0.0
130	20	0.02	-0.04	-0.16	6.65e-04	3.83e-04	0.0
130	21	-0.02	0.04	-0.37	-9.22e-04	-9.59e-04	0.0
130	22	-0.05	0.02	-0.30	-4.95e-04	-5.35e-04	0.0
130	23	0.05	-0.02	-0.24	2.55e-04	-3.62e-05	0.0
130	24	0.02	-0.04	-0.17	6.48e-04	3.77e-04	0.0
130	25	-0.02	0.04	-0.37	-9.05e-04	-9.53e-04	0.0
130	26	-0.05	0.02	-0.30	-5.12e-04	-5.40e-04	0.0
130	27	0.05	0.03	-0.37	-6.71e-04	-8.62e-04	0.0
130	28	-0.03	-0.02	-0.12	7.50e-04	5.52e-04	0.0
130	29	0.03	0.02	-0.41	-1.01e-03	-1.13e-03	0.0
130	30	-0.05	-0.03	-0.16	4.15e-04	2.86e-04	0.0
130	31	0.05	0.02	-0.37	-6.65e-04	-8.58e-04	0.0
130	32	-0.03	-0.03	-0.12	7.56e-04	5.57e-04	0.0
130	33	0.03	0.03	-0.41	-1.01e-03	-1.13e-03	0.0
130	34	-0.05	-0.02	-0.16	4.08e-04	2.81e-04	0.0
130	35	0.05	0.03	-0.37	-6.16e-04	-8.44e-04	0.0
130	36	-0.03	-0.01	-0.13	6.95e-04	5.34e-04	0.0
130	37	0.03	0.01	-0.40	-9.52e-04	-1.11e-03	0.0
130	38	-0.05	-0.03	-0.17	3.60e-04	2.68e-04	0.0
130	39	0.05	0.01	-0.37	-6.10e-04	-8.40e-04	0.0
130	40	-0.03	-0.03	-0.13	7.01e-04	5.38e-04	0.0
130	41	0.03	0.03	-0.41	-9.58e-04	-1.11e-03	0.0
130	42	-0.05	-0.01	-0.17	3.53e-04	2.63e-04	0.0
130	43	0.04	0.03	-0.25	1.47e-04	-1.07e-04	0.0
130	44	0.02	0.02	-0.19	4.83e-04	2.29e-04	0.0
130	45	-0.02	-0.02	-0.35	-7.40e-04	-8.05e-04	0.0
130	46	-0.04	-0.03	-0.29	-4.03e-04	-4.70e-04	0.0
130	47	0.04	0.03	-0.24	1.60e-04	-1.02e-04	0.0
130	48	0.02	0.02	-0.19	4.70e-04	2.25e-04	0.0
130	49	-0.02	-0.02	-0.35	-7.27e-04	-8.01e-04	0.0
130	50	-0.04	-0.03	-0.29	-4.16e-04	-4.74e-04	0.0
130	51	0.04	-0.02	-0.24	1.63e-04	-9.55e-05	0.0
130	52	0.02	-0.03	-0.18	4.99e-04	2.40e-04	0.0
130	53	-0.02	0.03	-0.35	-7.56e-04	-8.16e-04	0.0
130	54	-0.04	0.02	-0.29	-4.20e-04	-4.81e-04	0.0
130	55	0.04	-0.02	-0.24	1.76e-04	-9.13e-05	0.0
130	56	0.02	-0.03	-0.19	4.86e-04	2.36e-04	0.0
130	57	-0.02	0.03	-0.35	-7.43e-04	-8.12e-04	0.0
130	58	-0.04	0.02	-0.29	-4.33e-04	-4.85e-04	0.0
130	59	0.04	0.03	-0.35	-5.56e-04	-7.43e-04	0.0
130	60	-0.02	-0.01	-0.15	5.66e-04	3.76e-04	0.0
130	61	0.02	0.01	-0.38	-8.22e-04	-9.52e-04	0.0
130	62	-0.04	-0.03	-0.18	3.00e-04	1.66e-04	0.0
130	63	0.04	0.01	-0.35	-5.52e-04	-7.39e-04	0.0
130	64	-0.02	-0.03	-0.15	5.70e-04	3.79e-04	0.0
130	65	0.02	0.03	-0.38	-8.27e-04	-9.55e-04	0.0
130	66	-0.04	-0.01	-0.19	2.95e-04	1.63e-04	0.0
130	67	0.04	0.02	-0.35	-5.13e-04	-7.28e-04	0.0
130	68	-0.02	-9.86e-03	-0.16	5.22e-04	3.62e-04	0.0
130	69	0.02	9.34e-03	-0.38	-7.79e-04	-9.38e-04	0.0
130	70	-0.04	-0.02	-0.19	2.56e-04	1.52e-04	0.0
130	71	0.04	9.46e-03	-0.34	-5.08e-04	-7.25e-04	0.0
130	72	-0.02	-0.02	-0.16	5.27e-04	3.65e-04	0.0
130	73	0.02	0.02	-0.38	-7.84e-04	-9.41e-04	0.0
130	74	-0.04	-9.98e-03	-0.19	2.51e-04	1.49e-04	0.0

130	75	0.03	0.02	-0.25	9.88e-05	-1.38e-04	0.0
130	76	0.02	0.01	-0.20	3.77e-04	1.40e-04	0.0
130	77	-0.01	-0.02	-0.34	-6.34e-04	-7.16e-04	0.0
130	78	-0.03	-0.02	-0.29	-3.56e-04	-4.38e-04	0.0
130	79	0.03	0.02	-0.25	1.10e-04	-1.34e-04	0.0
130	80	0.02	0.02	-0.20	3.66e-04	1.36e-04	0.0
130	81	-0.01	-0.02	-0.33	-6.23e-04	-7.12e-04	0.0
130	82	-0.03	-0.02	-0.29	-3.66e-04	-4.42e-04	0.0
130	83	0.03	-0.02	-0.25	1.12e-04	-1.29e-04	0.0
130	84	0.02	-0.02	-0.20	3.91e-04	1.49e-04	0.0
130	85	-0.01	0.02	-0.34	-6.47e-04	-7.25e-04	0.0
130	86	-0.03	0.01	-0.29	-3.69e-04	-4.48e-04	0.0
130	87	0.03	-0.02	-0.25	1.23e-04	-1.25e-04	0.0
130	88	0.02	-0.02	-0.20	3.80e-04	1.45e-04	0.0
130	89	-0.01	0.02	-0.34	-6.37e-04	-7.21e-04	0.0
130	90	-0.03	0.02	-0.29	-3.80e-04	-4.51e-04	0.0
130	91	0.03	0.02	-0.34	-4.82e-04	-6.64e-04	0.0
130	92	-0.02	-9.86e-03	-0.17	4.45e-04	2.61e-04	0.0
130	93	0.02	9.34e-03	-0.36	-7.02e-04	-8.37e-04	0.0
130	94	-0.03	-0.02	-0.20	2.25e-04	8.75e-05	0.0
130	95	0.03	9.44e-03	-0.34	-4.78e-04	-6.61e-04	0.0
130	96	-0.02	-0.02	-0.17	4.49e-04	2.64e-04	0.0
130	97	0.02	0.02	-0.36	-7.06e-04	-8.40e-04	0.0
130	98	-0.03	-9.96e-03	-0.20	2.21e-04	8.47e-05	0.0
130	99	0.03	0.02	-0.33	-4.46e-04	-6.52e-04	0.0
130	100	-0.02	-8.24e-03	-0.18	4.09e-04	2.49e-04	0.0
130	101	0.02	7.72e-03	-0.36	-6.66e-04	-8.25e-04	0.0
130	102	-0.03	-0.02	-0.20	1.90e-04	7.57e-05	0.0
130	103	0.03	7.82e-03	-0.33	-4.42e-04	-6.49e-04	0.0
130	104	-0.02	-0.02	-0.18	4.13e-04	2.52e-04	0.0
130	105	0.02	0.02	-0.36	-6.70e-04	-8.28e-04	0.0
130	106	-0.03	-8.34e-03	-0.20	1.86e-04	7.30e-05	0.0
131	1	6.87e-04	-1.56e-04	-0.27	-5.17e-05	-1.14e-04	0.0
131	2	5.79e-04	-4.73e-04	-0.41	-2.73e-04	-6.27e-04	-2.35e-06
131	3	5.31e-04	-1.14e-04	-0.20	-3.56e-05	-7.79e-05	0.0
131	4	4.23e-04	-4.32e-04	-0.35	-2.57e-04	-5.91e-04	-2.19e-06
131	5	5.30e-04	-1.17e-04	-0.21	-3.80e-05	-8.33e-05	0.0
131	6	4.58e-04	-3.29e-04	-0.30	-1.86e-04	-4.25e-04	-1.60e-06
131	7	5.30e-04	-1.17e-04	-0.21	-3.80e-05	-8.33e-05	0.0
131	8	4.79e-04	-2.66e-04	-0.27	-1.41e-04	-3.23e-04	-1.23e-06
131	9	5.30e-04	-1.17e-04	-0.21	-3.80e-05	-8.33e-05	0.0
131	10	4.86e-04	-2.44e-04	-0.26	-1.27e-04	-2.88e-04	-1.11e-06
131	11	0.05	0.04	-0.25	2.23e-04	-5.73e-05	-3.61e-06
131	12	0.03	0.02	-0.19	6.47e-04	3.67e-04	-2.06e-06
131	13	-0.03	-0.02	-0.34	-9.00e-04	-9.44e-04	0.0
131	14	-0.05	-0.04	-0.28	-4.76e-04	-5.20e-04	1.38e-06
131	15	0.05	0.04	-0.25	2.39e-04	-5.19e-05	-3.62e-06
131	16	0.03	0.02	-0.19	6.30e-04	3.61e-04	-2.05e-06
131	17	-0.02	-0.02	-0.34	-8.83e-04	-9.38e-04	0.0
131	18	-0.05	-0.04	-0.28	-4.92e-04	-5.25e-04	1.39e-06
131	19	0.05	-0.02	-0.25	2.43e-04	-4.26e-05	-3.59e-06
131	20	0.03	-0.04	-0.18	6.67e-04	3.81e-04	-2.05e-06
131	21	-0.03	0.04	-0.34	-9.20e-04	-9.58e-04	0.0
131	22	-0.05	0.02	-0.28	-4.96e-04	-5.34e-04	1.37e-06
131	23	0.05	-0.02	-0.24	2.60e-04	-3.72e-05	-3.61e-06
131	24	0.03	-0.04	-0.19	6.51e-04	3.76e-04	-2.04e-06
131	25	-0.03	0.04	-0.34	-9.04e-04	-9.53e-04	0.0
131	26	-0.05	0.02	-0.28	-5.13e-04	-5.40e-04	1.38e-06
131	27	0.04	0.03	-0.35	-6.65e-04	-8.62e-04	-4.21e-06
131	28	-0.02	-0.02	-0.15	7.48e-04	5.51e-04	0.0
131	29	0.02	0.02	-0.38	-1.00e-03	-1.13e-03	-3.17e-06
131	30	-0.04	-0.03	-0.18	4.12e-04	2.85e-04	1.98e-06
131	31	0.05	0.02	-0.35	-6.59e-04	-8.58e-04	-4.20e-06
131	32	-0.02	-0.03	-0.15	7.55e-04	5.56e-04	0.0
131	33	0.02	0.03	-0.38	-1.01e-03	-1.13e-03	-3.18e-06
131	34	-0.04	-0.02	-0.18	4.05e-04	2.81e-04	1.98e-06
131	35	0.05	0.03	-0.35	-6.10e-04	-8.44e-04	-4.25e-06
131	36	-0.02	-0.01	-0.15	6.93e-04	5.33e-04	0.0
131	37	0.02	0.01	-0.37	-9.47e-04	-1.11e-03	-3.21e-06
131	38	-0.05	-0.03	-0.18	3.57e-04	2.67e-04	2.02e-06
131	39	0.05	0.01	-0.34	-6.04e-04	-8.40e-04	-4.24e-06
131	40	-0.02	-0.03	-0.15	7.00e-04	5.38e-04	0.0

131	41	0.02	0.03	-0.37	-9.53e-04	-1.11e-03	-3.22e-06
131	42	-0.05	-0.01	-0.18	3.51e-04	2.63e-04	2.02e-06
131	43	0.04	0.03	-0.25	1.51e-04	-1.07e-04	-3.08e-06
131	44	0.02	0.02	-0.20	4.85e-04	2.28e-04	-1.86e-06
131	45	-0.02	-0.02	-0.33	-7.39e-04	-8.05e-04	0.0
131	46	-0.04	-0.03	-0.28	-4.04e-04	-4.69e-04	0.0
131	47	0.04	0.03	-0.25	1.64e-04	-1.03e-04	-3.09e-06
131	48	0.02	0.02	-0.20	4.72e-04	2.24e-04	-1.85e-06
131	49	-0.02	-0.02	-0.32	-7.26e-04	-8.01e-04	0.0
131	50	-0.04	-0.03	-0.28	-4.17e-04	-4.74e-04	0.0
131	51	0.04	-0.02	-0.25	1.67e-04	-9.64e-05	-3.06e-06
131	52	0.02	-0.03	-0.20	5.02e-04	2.39e-04	-1.84e-06
131	53	-0.02	0.03	-0.33	-7.55e-04	-8.16e-04	0.0
131	54	-0.04	0.02	-0.28	-4.20e-04	-4.81e-04	0.0
131	55	0.04	-0.02	-0.25	1.80e-04	-9.21e-05	-3.07e-06
131	56	0.02	-0.03	-0.20	4.89e-04	2.35e-04	-1.83e-06
131	57	-0.02	0.03	-0.32	-7.42e-04	-8.12e-04	0.0
131	58	-0.04	0.02	-0.28	-4.33e-04	-4.85e-04	0.0
131	59	0.04	0.03	-0.33	-5.51e-04	-7.43e-04	-3.56e-06
131	60	-0.02	-0.01	-0.17	5.64e-04	3.75e-04	0.0
131	61	0.02	0.01	-0.36	-8.18e-04	-9.52e-04	-2.74e-06
131	62	-0.03	-0.03	-0.19	2.98e-04	1.66e-04	1.33e-06
131	63	0.04	0.01	-0.33	-5.46e-04	-7.40e-04	-3.55e-06
131	64	-0.02	-0.03	-0.17	5.69e-04	3.79e-04	0.0
131	65	0.02	0.03	-0.36	-8.23e-04	-9.55e-04	-2.75e-06
131	66	-0.03	-0.01	-0.19	2.93e-04	1.63e-04	1.33e-06
131	67	0.04	0.02	-0.33	-5.08e-04	-7.29e-04	-3.59e-06
131	68	-0.02	-9.84e-03	-0.18	5.21e-04	3.61e-04	0.0
131	69	0.02	9.35e-03	-0.35	-7.74e-04	-9.38e-04	-2.78e-06
131	70	-0.04	-0.02	-0.20	2.54e-04	1.52e-04	1.36e-06
131	71	0.04	9.47e-03	-0.33	-5.03e-04	-7.25e-04	-3.59e-06
131	72	-0.02	-0.02	-0.18	5.26e-04	3.64e-04	0.0
131	73	0.02	0.02	-0.35	-7.79e-04	-9.41e-04	-2.78e-06
131	74	-0.04	-9.96e-03	-0.20	2.49e-04	1.48e-04	1.36e-06
131	75	0.03	0.02	-0.25	1.03e-04	-1.39e-04	-2.74e-06
131	76	0.02	0.01	-0.21	3.79e-04	1.39e-04	-1.73e-06
131	77	-0.02	-0.02	-0.31	-6.32e-04	-7.16e-04	0.0
131	78	-0.03	-0.02	-0.27	-3.56e-04	-4.38e-04	0.0
131	79	0.03	0.02	-0.25	1.13e-04	-1.35e-04	-2.75e-06
131	80	0.02	0.02	-0.21	3.69e-04	1.35e-04	-1.72e-06
131	81	-0.02	-0.02	-0.31	-6.22e-04	-7.12e-04	0.0
131	82	-0.03	-0.02	-0.28	-3.67e-04	-4.42e-04	0.0
131	83	0.03	-0.02	-0.25	1.16e-04	-1.29e-04	-2.73e-06
131	84	0.02	-0.02	-0.21	3.93e-04	1.48e-04	-1.72e-06
131	85	-0.02	0.02	-0.32	-6.46e-04	-7.25e-04	0.0
131	86	-0.03	0.01	-0.28	-3.69e-04	-4.48e-04	0.0
131	87	0.03	-0.02	-0.25	1.27e-04	-1.26e-04	-2.74e-06
131	88	0.02	-0.02	-0.21	3.82e-04	1.44e-04	-1.71e-06
131	89	-0.02	0.02	-0.31	-6.35e-04	-7.21e-04	0.0
131	90	-0.03	0.02	-0.28	-3.80e-04	-4.51e-04	0.0
131	91	0.03	0.02	-0.32	-4.77e-04	-6.64e-04	-3.13e-06
131	92	-0.01	-9.84e-03	-0.19	4.45e-04	2.60e-04	0.0
131	93	0.02	9.35e-03	-0.34	-6.98e-04	-8.37e-04	-2.46e-06
131	94	-0.03	-0.02	-0.21	2.24e-04	8.70e-05	0.0
131	95	0.03	9.44e-03	-0.32	-4.73e-04	-6.61e-04	-3.13e-06
131	96	-0.01	-0.02	-0.19	4.49e-04	2.63e-04	0.0
131	97	0.02	0.02	-0.34	-7.02e-04	-8.40e-04	-2.46e-06
131	98	-0.03	-9.93e-03	-0.21	2.20e-04	8.43e-05	0.0
131	99	0.03	0.02	-0.32	-4.42e-04	-6.52e-04	-3.16e-06
131	100	-0.02	-8.22e-03	-0.19	4.09e-04	2.48e-04	0.0
131	101	0.02	7.73e-03	-0.34	-6.62e-04	-8.25e-04	-2.49e-06
131	102	-0.03	-0.02	-0.21	1.88e-04	7.53e-05	0.0
131	103	0.03	7.83e-03	-0.32	-4.37e-04	-6.50e-04	-3.16e-06
131	104	-0.02	-0.02	-0.19	4.13e-04	2.51e-04	0.0
131	105	0.02	0.02	-0.34	-6.66e-04	-8.28e-04	-2.49e-06
131	106	-0.03	-8.32e-03	-0.21	1.84e-04	7.26e-05	0.0
132	1	4.65e-04	-2.62e-04	-0.26	-2.52e-05	-1.32e-04	0.0
132	2	7.89e-04	-1.61e-04	-0.36	-2.04e-04	-7.04e-04	3.63e-06
132	3	3.51e-04	-2.04e-04	-0.20	-1.60e-05	-9.08e-05	0.0
132	4	6.76e-04	-1.02e-04	-0.29	-1.95e-04	-6.63e-04	3.41e-06
132	5	3.55e-04	-2.02e-04	-0.20	-1.79e-05	-9.69e-05	0.0
132	6	5.71e-04	-1.35e-04	-0.26	-1.37e-04	-4.78e-04	2.47e-06

132	7	3.55e-04	-2.02e-04	-0.20	-1.79e-05	-9.69e-05	0.0
132	8	5.06e-04	-1.55e-04	-0.24	-1.01e-04	-3.64e-04	1.88e-06
132	9	3.55e-04	-2.02e-04	-0.20	-1.79e-05	-9.69e-05	0.0
132	10	4.85e-04	-1.62e-04	-0.24	-8.93e-05	-3.26e-04	1.69e-06
132	11	0.04	0.04	-0.27	1.77e-04	-1.73e-04	5.08e-06
132	12	0.03	0.02	-0.26	5.44e-04	3.05e-04	6.47e-06
132	13	-0.03	-0.02	-0.21	-7.23e-04	-9.56e-04	-3.10e-06
132	14	-0.04	-0.04	-0.20	-3.56e-04	-4.79e-04	-1.71e-06
132	15	0.05	0.04	-0.27	1.89e-04	-1.67e-04	5.05e-06
132	16	0.03	0.02	-0.26	5.32e-04	2.99e-04	6.51e-06
132	17	-0.03	-0.02	-0.21	-7.11e-04	-9.50e-04	-3.13e-06
132	18	-0.04	-0.04	-0.20	-3.68e-04	-4.85e-04	-1.67e-06
132	19	0.04	-0.02	-0.27	1.96e-04	-1.59e-04	5.25e-06
132	20	0.03	-0.04	-0.26	5.62e-04	3.18e-04	6.64e-06
132	21	-0.03	0.04	-0.21	-7.41e-04	-9.69e-04	-3.26e-06
132	22	-0.04	0.02	-0.20	-3.74e-04	-4.92e-04	-1.87e-06
132	23	0.05	-0.02	-0.27	2.08e-04	-1.54e-04	5.21e-06
132	24	0.03	-0.04	-0.26	5.50e-04	3.12e-04	6.67e-06
132	25	-0.03	0.04	-0.21	-7.29e-04	-9.63e-04	-3.30e-06
132	26	-0.04	0.02	-0.20	-3.86e-04	-4.98e-04	-1.83e-06
132	27	0.03	0.03	-0.26	-5.65e-04	-1.00e-03	0.0
132	28	-9.12e-03	-0.02	-0.24	6.57e-04	5.87e-04	5.23e-06
132	29	0.01	0.02	-0.24	-8.35e-04	-1.24e-03	-1.86e-06
132	30	-0.03	-0.03	-0.22	3.87e-04	3.52e-04	2.78e-06
132	31	0.03	0.02	-0.26	-5.60e-04	-1.00e-03	0.0
132	32	-9.07e-03	-0.03	-0.24	6.62e-04	5.91e-04	5.28e-06
132	33	0.01	0.03	-0.24	-8.41e-04	-1.24e-03	-1.91e-06
132	34	-0.03	-0.02	-0.22	3.81e-04	3.48e-04	2.73e-06
132	35	0.03	0.03	-0.26	-5.25e-04	-9.84e-04	0.0
132	36	-0.01	-0.01	-0.23	6.17e-04	5.68e-04	5.35e-06
132	37	0.01	0.01	-0.24	-7.95e-04	-1.22e-03	-1.98e-06
132	38	-0.03	-0.03	-0.22	3.47e-04	3.33e-04	2.90e-06
132	39	0.03	0.01	-0.26	-5.20e-04	-9.80e-04	0.0
132	40	-0.01	-0.03	-0.23	6.22e-04	5.72e-04	5.40e-06
132	41	0.01	0.03	-0.24	-8.01e-04	-1.22e-03	-2.03e-06
132	42	-0.03	-0.01	-0.22	3.41e-04	3.29e-04	2.85e-06
132	43	0.04	0.03	-0.26	1.22e-04	-2.06e-04	4.39e-06
132	44	0.03	0.02	-0.26	4.12e-04	1.71e-04	5.46e-06
132	45	-0.02	-0.02	-0.22	-5.91e-04	-8.23e-04	-2.08e-06
132	46	-0.03	-0.03	-0.21	-3.01e-04	-4.45e-04	-1.02e-06
132	47	0.04	0.03	-0.26	1.32e-04	-2.02e-04	4.36e-06
132	48	0.02	0.02	-0.26	4.03e-04	1.67e-04	5.49e-06
132	49	-0.02	-0.02	-0.22	-5.81e-04	-8.18e-04	-2.11e-06
132	50	-0.03	-0.03	-0.21	-3.10e-04	-4.49e-04	0.0
132	51	0.04	-0.02	-0.26	1.37e-04	-1.96e-04	4.52e-06
132	52	0.03	-0.03	-0.26	4.27e-04	1.81e-04	5.58e-06
132	53	-0.02	0.03	-0.22	-6.05e-04	-8.33e-04	-2.20e-06
132	54	-0.03	0.02	-0.21	-3.15e-04	-4.55e-04	-1.14e-06
132	55	0.04	-0.02	-0.26	1.46e-04	-1.92e-04	4.48e-06
132	56	0.03	-0.03	-0.26	4.17e-04	1.77e-04	5.62e-06
132	57	-0.02	0.03	-0.22	-5.96e-04	-8.28e-04	-2.24e-06
132	58	-0.03	0.02	-0.21	-3.25e-04	-4.60e-04	-1.11e-06
132	59	0.03	0.02	-0.25	-4.66e-04	-8.63e-04	0.0
132	60	-7.14e-03	-0.01	-0.24	5.01e-04	3.96e-04	4.43e-06
132	61	8.11e-03	0.01	-0.24	-6.79e-04	-1.05e-03	-1.05e-06
132	62	-0.03	-0.02	-0.22	2.87e-04	2.12e-04	2.49e-06
132	63	0.03	0.01	-0.25	-4.61e-04	-8.60e-04	0.0
132	64	-7.12e-03	-0.02	-0.24	5.05e-04	3.99e-04	4.47e-06
132	65	8.09e-03	0.02	-0.24	-6.84e-04	-1.05e-03	-1.09e-06
132	66	-0.03	-0.01	-0.22	2.83e-04	2.08e-04	2.45e-06
132	67	0.03	0.02	-0.25	-4.34e-04	-8.48e-04	0.0
132	68	-8.43e-03	-0.01	-0.23	4.69e-04	3.81e-04	4.55e-06
132	69	9.40e-03	0.01	-0.24	-6.48e-04	-1.03e-03	-1.17e-06
132	70	-0.03	-0.02	-0.22	2.55e-04	1.96e-04	2.60e-06
132	71	0.03	0.01	-0.25	-4.30e-04	-8.45e-04	0.0
132	72	-8.42e-03	-0.02	-0.23	4.73e-04	3.84e-04	4.58e-06
132	73	9.39e-03	0.02	-0.24	-6.52e-04	-1.04e-03	-1.21e-06
132	74	-0.03	-0.01	-0.22	2.51e-04	1.93e-04	2.57e-06
132	75	0.03	0.02	-0.26	8.55e-05	-2.27e-04	3.92e-06
132	76	0.02	0.01	-0.25	3.25e-04	8.54e-05	4.80e-06
132	77	-0.02	-0.01	-0.22	-5.04e-04	-7.37e-04	-1.43e-06
132	78	-0.03	-0.02	-0.22	-2.64e-04	-4.24e-04	0.0

132	79	0.03	0.02	-0.26	9.34e-05	-2.23e-04	3.90e-06
132	80	0.02	0.01	-0.25	3.17e-04	8.16e-05	4.83e-06
132	81	-0.02	-0.01	-0.22	-4.96e-04	-7.33e-04	-1.46e-06
132	82	-0.03	-0.02	-0.22	-2.72e-04	-4.28e-04	0.0
132	83	0.03	-0.01	-0.26	9.74e-05	-2.18e-04	4.03e-06
132	84	0.02	-0.02	-0.25	3.37e-04	9.38e-05	4.91e-06
132	85	-0.02	0.02	-0.22	-5.16e-04	-7.45e-04	-1.53e-06
132	86	-0.03	0.01	-0.22	-2.76e-04	-4.33e-04	0.0
132	87	0.03	-0.01	-0.26	1.05e-04	-2.15e-04	4.00e-06
132	88	0.02	-0.02	-0.25	3.29e-04	9.00e-05	4.94e-06
132	89	-0.02	0.02	-0.22	-5.08e-04	-7.41e-04	-1.56e-06
132	90	-0.03	0.01	-0.22	-2.84e-04	-4.37e-04	0.0
132	91	0.02	0.02	-0.25	-4.00e-04	-7.70e-04	1.02e-06
132	92	-5.81e-03	-9.24e-03	-0.24	3.98e-04	2.71e-04	3.96e-06
132	93	6.78e-03	8.92e-03	-0.24	-5.77e-04	-9.23e-04	0.0
132	94	-0.02	-0.02	-0.22	2.22e-04	1.18e-04	2.35e-06
132	95	0.02	9.09e-03	-0.25	-3.97e-04	-7.67e-04	1.06e-06
132	96	-5.80e-03	-0.02	-0.24	4.02e-04	2.74e-04	3.99e-06
132	97	6.77e-03	0.02	-0.24	-5.81e-04	-9.25e-04	0.0
132	98	-0.02	-9.42e-03	-0.22	2.18e-04	1.16e-04	2.32e-06
132	99	0.02	0.02	-0.25	-3.74e-04	-7.57e-04	0.0
132	100	-6.88e-03	-8.64e-03	-0.24	3.72e-04	2.59e-04	4.05e-06
132	101	7.85e-03	8.31e-03	-0.24	-5.51e-04	-9.10e-04	0.0
132	102	-0.02	-0.02	-0.22	1.95e-04	1.06e-04	2.45e-06
132	103	0.02	8.49e-03	-0.25	-3.71e-04	-7.55e-04	0.0
132	104	-6.87e-03	-0.02	-0.24	3.76e-04	2.61e-04	4.08e-06
132	105	7.84e-03	0.02	-0.24	-5.55e-04	-9.13e-04	0.0
132	106	-0.02	-8.82e-03	-0.22	1.92e-04	1.03e-04	2.42e-06
133	1	7.33e-04	-2.50e-04	-0.26	-5.33e-05	-1.14e-04	0.0
133	2	3.81e-04	-6.21e-05	-0.39	-2.81e-04	-6.25e-04	0.0
133	3	5.70e-04	-1.96e-04	-0.20	-3.67e-05	-7.77e-05	0.0
133	4	2.19e-04	-7.88e-06	-0.32	-2.64e-04	-5.90e-04	0.0
133	5	5.66e-04	-1.94e-04	-0.20	-3.91e-05	-8.32e-05	0.0
133	6	3.32e-04	-6.86e-05	-0.28	-1.91e-04	-4.24e-04	0.0
133	7	5.66e-04	-1.94e-04	-0.20	-3.91e-05	-8.32e-05	0.0
133	8	4.02e-04	-1.06e-04	-0.26	-1.45e-04	-3.22e-04	0.0
133	9	5.66e-04	-1.94e-04	-0.20	-3.91e-05	-8.32e-05	0.0
133	10	4.26e-04	-1.19e-04	-0.25	-1.30e-04	-2.88e-04	0.0
133	11	0.05	0.04	-0.23	2.12e-04	-5.54e-05	0.0
133	12	0.02	0.02	-0.18	6.40e-04	3.68e-04	0.0
133	13	-0.02	-0.02	-0.32	-9.00e-04	-9.44e-04	0.0
133	14	-0.05	-0.04	-0.27	-4.72e-04	-5.20e-04	0.0
133	15	0.05	0.04	-0.23	2.28e-04	-5.00e-05	0.0
133	16	0.02	0.02	-0.18	6.23e-04	3.63e-04	0.0
133	17	-0.02	-0.02	-0.32	-8.84e-04	-9.39e-04	0.0
133	18	-0.05	-0.04	-0.27	-4.88e-04	-5.26e-04	0.0
133	19	0.05	-0.02	-0.23	2.32e-04	-4.07e-05	0.0
133	20	0.02	-0.04	-0.18	6.60e-04	3.83e-04	0.0
133	21	-0.02	0.04	-0.32	-9.21e-04	-9.59e-04	0.0
133	22	-0.05	0.02	-0.27	-4.92e-04	-5.35e-04	0.0
133	23	0.05	-0.02	-0.23	2.49e-04	-3.53e-05	0.0
133	24	0.02	-0.04	-0.18	6.44e-04	3.78e-04	0.0
133	25	-0.02	0.04	-0.32	-9.04e-04	-9.54e-04	0.0
133	26	-0.05	0.02	-0.27	-5.09e-04	-5.41e-04	0.0
133	27	0.05	0.03	-0.32	-6.77e-04	-8.61e-04	0.0
133	28	-0.03	-0.02	-0.16	7.50e-04	5.52e-04	0.0
133	29	0.03	0.02	-0.34	-1.01e-03	-1.13e-03	0.0
133	30	-0.05	-0.03	-0.18	4.17e-04	2.85e-04	0.0
133	31	0.05	0.02	-0.32	-6.71e-04	-8.57e-04	0.0
133	32	-0.03	-0.03	-0.16	7.56e-04	5.56e-04	0.0
133	33	0.03	0.03	-0.35	-1.02e-03	-1.13e-03	0.0
133	34	-0.05	-0.02	-0.18	4.10e-04	2.81e-04	0.0
133	35	0.05	0.03	-0.31	-6.22e-04	-8.43e-04	0.0
133	36	-0.03	-0.01	-0.16	6.95e-04	5.34e-04	0.0
133	37	0.03	0.01	-0.34	-9.55e-04	-1.11e-03	0.0
133	38	-0.05	-0.03	-0.19	3.62e-04	2.67e-04	0.0
133	39	0.05	0.01	-0.31	-6.16e-04	-8.38e-04	0.0
133	40	-0.03	-0.03	-0.16	7.01e-04	5.38e-04	0.0
133	41	0.03	0.03	-0.34	-9.62e-04	-1.11e-03	0.0
133	42	-0.05	-0.01	-0.19	3.55e-04	2.63e-04	0.0
133	43	0.04	0.03	-0.24	1.42e-04	-1.06e-04	0.0
133	44	0.02	0.02	-0.20	4.79e-04	2.29e-04	0.0

133	45	-0.02	-0.02	-0.30	-7.40e-04	-8.05e-04	0.0
133	46	-0.04	-0.03	-0.27	-4.02e-04	-4.70e-04	0.0
133	47	0.04	0.03	-0.23	1.55e-04	-1.02e-04	0.0
133	48	0.02	0.02	-0.20	4.66e-04	2.25e-04	0.0
133	49	-0.02	-0.02	-0.30	-7.27e-04	-8.01e-04	0.0
133	50	-0.04	-0.03	-0.27	-4.15e-04	-4.74e-04	0.0
133	51	0.04	-0.02	-0.23	1.58e-04	-9.48e-05	0.0
133	52	0.02	-0.03	-0.20	4.96e-04	2.40e-04	0.0
133	53	-0.02	0.03	-0.31	-7.56e-04	-8.16e-04	0.0
133	54	-0.04	0.02	-0.27	-4.18e-04	-4.81e-04	0.0
133	55	0.04	-0.02	-0.23	1.71e-04	-9.05e-05	0.0
133	56	0.02	-0.03	-0.20	4.83e-04	2.36e-04	0.0
133	57	-0.02	0.03	-0.30	-7.43e-04	-8.12e-04	0.0
133	58	-0.04	0.02	-0.27	-4.31e-04	-4.85e-04	0.0
133	59	0.04	0.02	-0.30	-5.61e-04	-7.42e-04	0.0
133	60	-0.02	-0.01	-0.18	5.65e-04	3.76e-04	0.0
133	61	0.02	0.01	-0.33	-8.25e-04	-9.52e-04	0.0
133	62	-0.04	-0.02	-0.20	3.01e-04	1.66e-04	0.0
133	63	0.04	0.01	-0.30	-5.56e-04	-7.38e-04	0.0
133	64	-0.02	-0.02	-0.18	5.70e-04	3.79e-04	0.0
133	65	0.02	0.02	-0.33	-8.30e-04	-9.55e-04	0.0
133	66	-0.04	-0.01	-0.20	2.96e-04	1.63e-04	0.0
133	67	0.04	0.02	-0.30	-5.18e-04	-7.28e-04	0.0
133	68	-0.02	-0.01	-0.18	5.22e-04	3.61e-04	0.0
133	69	0.02	0.01	-0.32	-7.82e-04	-9.37e-04	0.0
133	70	-0.04	-0.02	-0.20	2.58e-04	1.52e-04	0.0
133	71	0.04	0.01	-0.30	-5.13e-04	-7.24e-04	0.0
133	72	-0.02	-0.02	-0.18	5.27e-04	3.65e-04	0.0
133	73	0.02	0.02	-0.32	-7.87e-04	-9.41e-04	0.0
133	74	-0.04	-0.01	-0.20	2.53e-04	1.48e-04	0.0
133	75	0.03	0.02	-0.24	9.44e-05	-1.37e-04	0.0
133	76	0.02	0.01	-0.21	3.74e-04	1.40e-04	0.0
133	77	-0.01	-0.01	-0.30	-6.34e-04	-7.16e-04	0.0
133	78	-0.03	-0.02	-0.26	-3.55e-04	-4.39e-04	0.0
133	79	0.03	0.02	-0.24	1.05e-04	-1.34e-04	0.0
133	80	0.02	0.01	-0.21	3.63e-04	1.36e-04	0.0
133	81	-0.01	-0.01	-0.29	-6.23e-04	-7.12e-04	0.0
133	82	-0.03	-0.02	-0.26	-3.65e-04	-4.42e-04	0.0
133	83	0.03	-0.01	-0.24	1.08e-04	-1.28e-04	0.0
133	84	0.02	-0.02	-0.21	3.87e-04	1.49e-04	0.0
133	85	-0.02	0.02	-0.30	-6.47e-04	-7.25e-04	0.0
133	86	-0.03	0.01	-0.26	-3.68e-04	-4.48e-04	0.0
133	87	0.03	-0.01	-0.24	1.19e-04	-1.24e-04	0.0
133	88	0.02	-0.02	-0.21	3.76e-04	1.46e-04	0.0
133	89	-0.01	0.02	-0.29	-6.37e-04	-7.22e-04	0.0
133	90	-0.03	0.01	-0.27	-3.79e-04	-4.51e-04	0.0
133	91	0.03	0.02	-0.30	-4.86e-04	-6.63e-04	0.0
133	92	-0.02	-9.22e-03	-0.19	4.45e-04	2.61e-04	0.0
133	93	0.02	8.99e-03	-0.31	-7.05e-04	-8.36e-04	0.0
133	94	-0.03	-0.02	-0.21	2.26e-04	8.71e-05	0.0
133	95	0.03	9.17e-03	-0.29	-4.82e-04	-6.60e-04	0.0
133	96	-0.02	-0.02	-0.19	4.49e-04	2.63e-04	0.0
133	97	0.02	0.02	-0.31	-7.09e-04	-8.39e-04	0.0
133	98	-0.03	-9.41e-03	-0.21	2.22e-04	8.43e-05	0.0
133	99	0.03	0.02	-0.29	-4.51e-04	-6.51e-04	0.0
133	100	-0.02	-8.62e-03	-0.19	4.09e-04	2.49e-04	0.0
133	101	0.02	8.38e-03	-0.31	-6.69e-04	-8.25e-04	0.0
133	102	-0.03	-0.02	-0.21	1.90e-04	7.53e-05	0.0
133	103	0.03	8.57e-03	-0.29	-4.47e-04	-6.48e-04	0.0
133	104	-0.02	-0.02	-0.19	4.13e-04	2.52e-04	0.0
133	105	0.02	0.02	-0.31	-6.73e-04	-8.28e-04	0.0
133	106	-0.03	-8.80e-03	-0.21	1.86e-04	7.26e-05	0.0
134	1	6.73e-04	-2.62e-04	-0.26	-5.36e-05	-1.14e-04	0.0
134	2	6.51e-04	-1.83e-05	-0.37	-2.83e-04	-6.27e-04	0.0
134	3	5.18e-04	-2.06e-04	-0.20	-3.69e-05	-7.79e-05	0.0
134	4	4.96e-04	3.76e-05	-0.31	-2.66e-04	-5.91e-04	0.0
134	5	5.18e-04	-2.04e-04	-0.20	-3.93e-05	-8.33e-05	0.0
134	6	5.03e-04	-4.11e-05	-0.27	-1.92e-04	-4.25e-04	0.0
134	7	5.18e-04	-2.04e-04	-0.20	-3.93e-05	-8.33e-05	0.0
134	8	5.08e-04	-8.99e-05	-0.25	-1.46e-04	-3.23e-04	0.0
134	9	5.18e-04	-2.04e-04	-0.20	-3.93e-05	-8.33e-05	0.0
134	10	5.09e-04	-1.06e-04	-0.24	-1.31e-04	-2.88e-04	0.0

134	11	0.05	0.04	-0.29	2.07e-04	-5.67e-05	0.0
134	12	0.03	0.02	-0.26	6.36e-04	3.67e-04	0.0
134	13	-0.03	-0.02	-0.23	-8.98e-04	-9.44e-04	0.0
134	14	-0.05	-0.04	-0.20	-4.69e-04	-5.20e-04	0.0
134	15	0.05	0.04	-0.29	2.24e-04	-5.13e-05	0.0
134	16	0.03	0.02	-0.26	6.20e-04	3.62e-04	0.0
134	17	-0.03	-0.02	-0.23	-8.82e-04	-9.39e-04	0.0
134	18	-0.05	-0.04	-0.20	-4.86e-04	-5.26e-04	0.0
134	19	0.05	-0.02	-0.29	2.28e-04	-4.20e-05	0.0
134	20	0.03	-0.04	-0.26	6.57e-04	3.82e-04	0.0
134	21	-0.03	0.04	-0.23	-9.19e-04	-9.59e-04	0.0
134	22	-0.05	0.02	-0.20	-4.90e-04	-5.35e-04	0.0
134	23	0.05	-0.02	-0.28	2.44e-04	-3.66e-05	0.0
134	24	0.03	-0.04	-0.26	6.40e-04	3.77e-04	0.0
134	25	-0.03	0.04	-0.23	-9.02e-04	-9.53e-04	0.0
134	26	-0.05	0.02	-0.20	-5.06e-04	-5.40e-04	0.0
134	27	0.04	0.03	-0.30	-6.80e-04	-8.62e-04	0.0
134	28	-0.02	-0.02	-0.20	7.50e-04	5.51e-04	0.0
134	29	0.02	0.02	-0.29	-1.01e-03	-1.13e-03	0.0
134	30	-0.04	-0.03	-0.19	4.18e-04	2.85e-04	0.0
134	31	0.04	0.02	-0.30	-6.74e-04	-8.58e-04	0.0
134	32	-0.02	-0.03	-0.20	7.56e-04	5.56e-04	0.0
134	33	0.02	0.03	-0.29	-1.02e-03	-1.13e-03	0.0
134	34	-0.04	-0.02	-0.19	4.12e-04	2.81e-04	0.0
134	35	0.04	0.03	-0.30	-6.25e-04	-8.44e-04	0.0
134	36	-0.02	-0.01	-0.21	6.95e-04	5.33e-04	0.0
134	37	0.02	0.01	-0.28	-9.57e-04	-1.11e-03	0.0
134	38	-0.04	-0.03	-0.19	3.64e-04	2.67e-04	0.0
134	39	0.05	0.01	-0.30	-6.19e-04	-8.39e-04	0.0
134	40	-0.02	-0.03	-0.21	7.01e-04	5.38e-04	0.0
134	41	0.02	0.03	-0.28	-9.63e-04	-1.11e-03	0.0
134	42	-0.04	-0.02	-0.19	3.57e-04	2.63e-04	0.0
134	43	0.04	0.03	-0.28	1.38e-04	-1.07e-04	0.0
134	44	0.02	0.02	-0.25	4.77e-04	2.28e-04	0.0
134	45	-0.02	-0.02	-0.23	-7.38e-04	-8.05e-04	0.0
134	46	-0.04	-0.03	-0.21	-4.00e-04	-4.70e-04	0.0
134	47	0.04	0.03	-0.28	1.51e-04	-1.03e-04	0.0
134	48	0.02	0.02	-0.25	4.64e-04	2.24e-04	0.0
134	49	-0.02	-0.02	-0.23	-7.25e-04	-8.01e-04	0.0
134	50	-0.04	-0.03	-0.21	-4.13e-04	-4.74e-04	0.0
134	51	0.04	-0.02	-0.28	1.54e-04	-9.59e-05	0.0
134	52	0.02	-0.03	-0.25	4.93e-04	2.39e-04	0.0
134	53	-0.02	0.03	-0.24	-7.55e-04	-8.16e-04	0.0
134	54	-0.04	0.02	-0.21	-4.16e-04	-4.81e-04	0.0
134	55	0.04	-0.02	-0.28	1.67e-04	-9.16e-05	0.0
134	56	0.02	-0.03	-0.25	4.80e-04	2.35e-04	0.0
134	57	-0.02	0.03	-0.23	-7.42e-04	-8.12e-04	0.0
134	58	-0.04	0.02	-0.21	-4.29e-04	-4.85e-04	0.0
134	59	0.03	0.02	-0.29	-5.64e-04	-7.43e-04	0.0
134	60	-0.02	-0.01	-0.21	5.65e-04	3.75e-04	0.0
134	61	0.02	0.01	-0.28	-8.27e-04	-9.52e-04	0.0
134	62	-0.03	-0.02	-0.20	3.02e-04	1.66e-04	0.0
134	63	0.03	0.01	-0.29	-5.59e-04	-7.39e-04	0.0
134	64	-0.02	-0.02	-0.21	5.70e-04	3.79e-04	0.0
134	65	0.02	0.02	-0.28	-8.32e-04	-9.55e-04	0.0
134	66	-0.03	-0.01	-0.20	2.97e-04	1.62e-04	0.0
134	67	0.04	0.02	-0.29	-5.21e-04	-7.28e-04	0.0
134	68	-0.02	-0.01	-0.21	5.22e-04	3.61e-04	0.0
134	69	0.02	0.01	-0.27	-7.84e-04	-9.38e-04	0.0
134	70	-0.03	-0.02	-0.20	2.59e-04	1.52e-04	0.0
134	71	0.04	0.01	-0.29	-5.16e-04	-7.25e-04	0.0
134	72	-0.02	-0.02	-0.21	5.27e-04	3.64e-04	0.0
134	73	0.02	0.02	-0.27	-7.88e-04	-9.41e-04	0.0
134	74	-0.03	-0.01	-0.20	2.54e-04	1.48e-04	0.0
134	75	0.03	0.02	-0.27	9.11e-05	-1.38e-04	0.0
134	76	0.02	0.01	-0.25	3.71e-04	1.39e-04	0.0
134	77	-0.02	-0.01	-0.24	-6.33e-04	-7.16e-04	0.0
134	78	-0.03	-0.02	-0.22	-3.53e-04	-4.39e-04	0.0
134	79	0.03	0.02	-0.27	1.02e-04	-1.35e-04	0.0
134	80	0.02	0.01	-0.25	3.60e-04	1.35e-04	0.0
134	81	-0.02	-0.01	-0.24	-6.22e-04	-7.12e-04	0.0
134	82	-0.03	-0.02	-0.22	-3.64e-04	-4.42e-04	0.0

134	83	0.03	-0.01	-0.27	1.05e-04	-1.29e-04	0.0
134	84	0.02	-0.02	-0.25	3.85e-04	1.48e-04	0.0
134	85	-0.02	0.02	-0.24	-6.46e-04	-7.25e-04	0.0
134	86	-0.03	0.01	-0.22	-3.66e-04	-4.48e-04	0.0
134	87	0.03	-0.01	-0.27	1.15e-04	-1.25e-04	0.0
134	88	0.02	-0.02	-0.25	3.74e-04	1.45e-04	0.0
134	89	-0.02	0.02	-0.24	-6.36e-04	-7.22e-04	0.0
134	90	-0.03	0.01	-0.22	-3.77e-04	-4.51e-04	0.0
134	91	0.03	0.02	-0.28	-4.89e-04	-6.64e-04	0.0
134	92	-0.01	-9.32e-03	-0.22	4.44e-04	2.60e-04	0.0
134	93	0.01	9.11e-03	-0.27	-7.06e-04	-8.37e-04	0.0
134	94	-0.03	-0.02	-0.21	2.27e-04	8.69e-05	0.0
134	95	0.03	9.30e-03	-0.28	-4.85e-04	-6.61e-04	0.0
134	96	-0.01	-0.02	-0.22	4.48e-04	2.63e-04	0.0
134	97	0.01	0.02	-0.27	-7.10e-04	-8.40e-04	0.0
134	98	-0.03	-9.51e-03	-0.21	2.23e-04	8.41e-05	0.0
134	99	0.03	0.02	-0.28	-4.53e-04	-6.52e-04	0.0
134	100	-0.01	-8.84e-03	-0.22	4.09e-04	2.48e-04	0.0
134	101	0.02	8.63e-03	-0.27	-6.70e-04	-8.25e-04	0.0
134	102	-0.03	-0.02	-0.21	1.91e-04	7.51e-05	0.0
134	103	0.03	8.82e-03	-0.28	-4.49e-04	-6.49e-04	0.0
134	104	-0.01	-0.02	-0.22	4.13e-04	2.51e-04	0.0
134	105	0.02	0.02	-0.27	-6.74e-04	-8.28e-04	0.0
134	106	-0.03	-9.04e-03	-0.21	1.87e-04	7.23e-05	0.0
135	1	3.66e-04	-3.64e-04	-0.25	-2.52e-05	-1.32e-04	0.0
135	2	7.55e-04	-1.94e-04	-0.32	-2.03e-04	-7.05e-04	0.0
135	3	2.74e-04	-2.84e-04	-0.19	-1.60e-05	-9.08e-05	0.0
135	4	6.63e-04	-1.13e-04	-0.26	-1.94e-04	-6.63e-04	0.0
135	5	2.79e-04	-2.82e-04	-0.19	-1.79e-05	-9.69e-05	0.0
135	6	5.38e-04	-1.68e-04	-0.24	-1.37e-04	-4.79e-04	0.0
135	7	2.79e-04	-2.82e-04	-0.19	-1.79e-05	-9.69e-05	0.0
135	8	4.60e-04	-2.02e-04	-0.23	-1.01e-04	-3.64e-04	0.0
135	9	2.79e-04	-2.82e-04	-0.19	-1.79e-05	-9.69e-05	0.0
135	10	4.34e-04	-2.13e-04	-0.22	-8.92e-05	-3.26e-04	0.0
135	11	0.04	0.04	-0.26	1.78e-04	-1.74e-04	0.0
135	12	0.03	0.02	-0.29	5.46e-04	3.04e-04	0.0
135	13	-0.03	-0.02	-0.15	-7.24e-04	-9.55e-04	0.0
135	14	-0.04	-0.04	-0.18	-3.57e-04	-4.78e-04	0.0
135	15	0.04	0.04	-0.26	1.91e-04	-1.68e-04	0.0
135	16	0.03	0.02	-0.29	5.34e-04	2.98e-04	0.0
135	17	-0.03	-0.02	-0.15	-7.12e-04	-9.50e-04	0.0
135	18	-0.04	-0.04	-0.18	-3.69e-04	-4.83e-04	0.0
135	19	0.04	-0.02	-0.26	1.97e-04	-1.61e-04	0.0
135	20	0.03	-0.04	-0.30	5.64e-04	3.17e-04	0.0
135	21	-0.03	0.04	-0.15	-7.43e-04	-9.69e-04	0.0
135	22	-0.04	0.02	-0.18	-3.75e-04	-4.91e-04	0.0
135	23	0.04	-0.02	-0.27	2.09e-04	-1.55e-04	0.0
135	24	0.03	-0.04	-0.30	5.52e-04	3.11e-04	0.0
135	25	-0.03	0.04	-0.15	-7.31e-04	-9.63e-04	0.0
135	26	-0.04	0.02	-0.18	-3.87e-04	-4.97e-04	0.0
135	27	0.03	0.03	-0.19	-5.66e-04	-1.00e-03	0.0
135	28	-5.15e-03	-0.02	-0.29	6.59e-04	5.88e-04	0.0
135	29	6.02e-03	0.02	-0.15	-8.37e-04	-1.24e-03	0.0
135	30	-0.03	-0.03	-0.26	3.88e-04	3.53e-04	0.0
135	31	0.03	0.02	-0.19	-5.61e-04	-1.00e-03	0.0
135	32	-5.14e-03	-0.03	-0.29	6.65e-04	5.91e-04	0.0
135	33	6.00e-03	0.03	-0.15	-8.43e-04	-1.24e-03	0.0
135	34	-0.03	-0.02	-0.26	3.83e-04	3.49e-04	0.0
135	35	0.03	0.03	-0.19	-5.26e-04	-9.86e-04	0.0
135	36	-6.96e-03	-0.02	-0.29	6.19e-04	5.68e-04	0.0
135	37	7.83e-03	0.02	-0.16	-7.97e-04	-1.22e-03	0.0
135	38	-0.03	-0.03	-0.25	3.48e-04	3.34e-04	0.0
135	39	0.03	0.02	-0.19	-5.21e-04	-9.82e-04	0.0
135	40	-6.94e-03	-0.03	-0.29	6.24e-04	5.72e-04	0.0
135	41	7.81e-03	0.03	-0.15	-8.03e-04	-1.22e-03	0.0
135	42	-0.03	-0.02	-0.25	3.42e-04	3.30e-04	0.0
135	43	0.03	0.03	-0.25	1.23e-04	-2.08e-04	0.0
135	44	0.03	0.02	-0.28	4.14e-04	1.70e-04	0.0
135	45	-0.03	-0.02	-0.16	-5.92e-04	-8.22e-04	0.0
135	46	-0.03	-0.03	-0.19	-3.02e-04	-4.44e-04	0.0
135	47	0.04	0.03	-0.26	1.33e-04	-2.03e-04	0.0
135	48	0.03	0.02	-0.28	4.04e-04	1.66e-04	0.0

135	49	-0.03	-0.02	-0.17	-5.83e-04	-8.18e-04	0.0
135	50	-0.03	-0.03	-0.19	-3.11e-04	-4.49e-04	0.0
135	51	0.03	-0.02	-0.26	1.38e-04	-1.98e-04	0.0
135	52	0.03	-0.03	-0.28	4.28e-04	1.81e-04	0.0
135	53	-0.03	0.03	-0.16	-6.07e-04	-8.32e-04	0.0
135	54	-0.03	0.02	-0.19	-3.16e-04	-4.54e-04	0.0
135	55	0.04	-0.02	-0.26	1.47e-04	-1.93e-04	0.0
135	56	0.03	-0.03	-0.28	4.19e-04	1.76e-04	0.0
135	57	-0.03	0.03	-0.16	-5.97e-04	-8.28e-04	0.0
135	58	-0.03	0.02	-0.19	-3.26e-04	-4.59e-04	0.0
135	59	0.02	0.03	-0.19	-4.66e-04	-8.64e-04	0.0
135	60	-4.00e-03	-0.01	-0.28	5.03e-04	3.96e-04	0.0
135	61	4.86e-03	0.01	-0.17	-6.81e-04	-1.05e-03	0.0
135	62	-0.02	-0.03	-0.25	2.88e-04	2.12e-04	0.0
135	63	0.02	0.01	-0.20	-4.62e-04	-8.61e-04	0.0
135	64	-4.01e-03	-0.03	-0.28	5.07e-04	4.00e-04	0.0
135	65	4.88e-03	0.03	-0.17	-6.85e-04	-1.05e-03	0.0
135	66	-0.02	-0.01	-0.25	2.84e-04	2.09e-04	0.0
135	67	0.02	0.03	-0.20	-4.35e-04	-8.49e-04	0.0
135	68	-5.42e-03	-0.01	-0.27	4.71e-04	3.81e-04	0.0
135	69	6.29e-03	0.01	-0.17	-6.49e-04	-1.03e-03	0.0
135	70	-0.02	-0.03	-0.25	2.56e-04	1.97e-04	0.0
135	71	0.02	0.01	-0.20	-4.30e-04	-8.46e-04	0.0
135	72	-5.43e-03	-0.03	-0.28	4.75e-04	3.84e-04	0.0
135	73	6.30e-03	0.03	-0.17	-6.54e-04	-1.04e-03	0.0
135	74	-0.02	-0.01	-0.25	2.52e-04	1.94e-04	0.0
135	75	0.03	0.02	-0.25	8.64e-05	-2.28e-04	0.0
135	76	0.02	0.01	-0.27	3.27e-04	8.46e-05	0.0
135	77	-0.02	-0.01	-0.17	-5.05e-04	-7.36e-04	0.0
135	78	-0.03	-0.02	-0.19	-2.65e-04	-4.24e-04	0.0
135	79	0.03	0.02	-0.25	9.43e-05	-2.24e-04	0.0
135	80	0.02	0.01	-0.27	3.19e-04	8.08e-05	0.0
135	81	-0.02	-0.01	-0.18	-4.97e-04	-7.33e-04	0.0
135	82	-0.03	-0.02	-0.19	-2.73e-04	-4.28e-04	0.0
135	83	0.03	-0.01	-0.25	9.84e-05	-2.20e-04	0.0
135	84	0.02	-0.02	-0.27	3.39e-04	9.30e-05	0.0
135	85	-0.02	0.02	-0.17	-5.17e-04	-7.45e-04	0.0
135	86	-0.03	0.01	-0.19	-2.77e-04	-4.32e-04	0.0
135	87	0.03	-0.01	-0.25	1.06e-04	-2.16e-04	0.0
135	88	0.02	-0.02	-0.27	3.31e-04	8.92e-05	0.0
135	89	-0.02	0.02	-0.17	-5.09e-04	-7.41e-04	0.0
135	90	-0.03	0.01	-0.19	-2.85e-04	-4.36e-04	0.0
135	91	0.02	0.02	-0.20	-4.01e-04	-7.70e-04	0.0
135	92	-3.22e-03	-0.01	-0.27	4.00e-04	2.71e-04	0.0
135	93	4.09e-03	9.78e-03	-0.18	-5.78e-04	-9.23e-04	0.0
135	94	-0.02	-0.02	-0.24	2.23e-04	1.19e-04	0.0
135	95	0.02	0.01	-0.20	-3.97e-04	-7.68e-04	0.0
135	96	-3.23e-03	-0.02	-0.27	4.04e-04	2.74e-04	0.0
135	97	4.10e-03	0.02	-0.18	-5.82e-04	-9.25e-04	0.0
135	98	-0.02	-0.01	-0.24	2.19e-04	1.16e-04	0.0
135	99	0.02	0.02	-0.20	-3.75e-04	-7.58e-04	0.0
135	100	-4.40e-03	-0.01	-0.27	3.74e-04	2.59e-04	0.0
135	101	5.27e-03	9.80e-03	-0.18	-5.52e-04	-9.10e-04	0.0
135	102	-0.02	-0.02	-0.24	1.96e-04	1.06e-04	0.0
135	103	0.02	0.01	-0.20	-3.71e-04	-7.55e-04	0.0
135	104	-4.41e-03	-0.02	-0.27	3.77e-04	2.61e-04	0.0
135	105	5.28e-03	0.02	-0.18	-5.56e-04	-9.13e-04	0.0
135	106	-0.02	-0.01	-0.24	1.93e-04	1.04e-04	0.0
136	1	-6.66e-04	-8.16e-04	-0.30	-2.49e-04	-1.05e-05	0.0
136	2	-1.01e-03	-5.14e-04	-0.41	-5.32e-04	6.36e-05	0.0
136	3	-5.06e-04	-6.33e-04	-0.23	-1.86e-04	-9.48e-06	0.0
136	4	-8.47e-04	-3.31e-04	-0.34	-4.69e-04	6.46e-05	0.0
136	5	-5.09e-04	-6.30e-04	-0.23	-1.89e-04	-8.69e-06	0.0
136	6	-7.37e-04	-4.29e-04	-0.31	-3.78e-04	4.07e-05	0.0
136	7	-5.09e-04	-6.30e-04	-0.23	-1.89e-04	-8.69e-06	0.0
136	8	-6.68e-04	-4.89e-04	-0.28	-3.21e-04	2.59e-05	0.0
136	9	-5.09e-04	-6.30e-04	-0.23	-1.89e-04	-8.69e-06	0.0
136	10	-6.46e-04	-5.09e-04	-0.28	-3.02e-04	2.10e-05	0.0
136	11	0.03	2.09e-03	-0.29	-1.95e-03	7.75e-04	0.0
136	12	0.04	-0.04	-0.20	2.59e-04	1.58e-04	0.0
136	13	-0.04	0.04	-0.35	-8.63e-04	-1.16e-04	0.0
136	14	-0.03	-3.11e-03	-0.26	1.34e-03	-7.33e-04	0.0

136	15	0.03	4.05e-03	-0.29	-2.02e-03	8.13e-04	0.0
136	16	0.04	-0.04	-0.20	3.31e-04	1.21e-04	0.0
136	17	-0.04	0.04	-0.35	-9.35e-04	-7.89e-05	0.0
136	18	-0.03	-5.07e-03	-0.26	1.41e-03	-7.71e-04	0.0
136	19	0.03	2.46e-03	-0.29	-1.92e-03	7.99e-04	0.0
136	20	0.04	-0.04	-0.20	2.81e-04	1.82e-04	0.0
136	21	-0.05	0.04	-0.35	-8.86e-04	-1.40e-04	0.0
136	22	-0.03	-3.48e-03	-0.26	1.32e-03	-7.57e-04	0.0
136	23	0.03	4.42e-03	-0.29	-2.00e-03	8.36e-04	0.0
136	24	0.04	-0.04	-0.20	3.53e-04	1.44e-04	0.0
136	25	-0.05	0.04	-0.35	-9.58e-04	-1.02e-04	0.0
136	26	-0.03	-5.44e-03	-0.26	1.39e-03	-7.94e-04	0.0
136	27	-7.74e-03	0.06	-0.42	-4.14e-03	1.18e-03	0.0
136	28	0.03	-0.07	-0.11	3.21e-03	-8.74e-04	0.0
136	29	-0.03	0.07	-0.44	-3.81e-03	9.16e-04	0.0
136	30	6.44e-03	-0.06	-0.13	3.53e-03	-1.14e-03	0.0
136	31	-7.70e-03	0.06	-0.42	-4.13e-03	1.19e-03	0.0
136	32	0.03	-0.07	-0.11	3.22e-03	-8.67e-04	0.0
136	33	-0.03	0.07	-0.44	-3.82e-03	9.09e-04	0.0
136	34	6.41e-03	-0.06	-0.13	3.53e-03	-1.15e-03	0.0
136	35	-7.82e-03	0.07	-0.42	-4.38e-03	1.31e-03	0.0
136	36	0.03	-0.08	-0.11	3.45e-03	-9.99e-04	0.0
136	37	-0.03	0.08	-0.44	-4.05e-03	1.04e-03	0.0
136	38	6.53e-03	-0.07	-0.13	3.77e-03	-1.27e-03	0.0
136	39	-7.78e-03	0.07	-0.42	-4.37e-03	1.32e-03	0.0
136	40	0.03	-0.08	-0.11	3.46e-03	-9.91e-04	0.0
136	41	-0.03	0.08	-0.44	-4.06e-03	1.03e-03	0.0
136	42	6.49e-03	-0.07	-0.13	3.77e-03	-1.27e-03	0.0
136	43	0.03	1.65e-03	-0.29	-1.60e-03	6.19e-04	0.0
136	44	0.03	-0.03	-0.21	1.43e-04	1.30e-04	0.0
136	45	-0.04	0.03	-0.34	-7.47e-04	-8.79e-05	0.0
136	46	-0.03	-2.67e-03	-0.27	1.00e-03	-5.77e-04	0.0
136	47	0.03	3.20e-03	-0.29	-1.66e-03	6.49e-04	0.0
136	48	0.03	-0.03	-0.21	2.00e-04	1.00e-04	0.0
136	49	-0.04	0.03	-0.34	-8.04e-04	-5.82e-05	0.0
136	50	-0.03	-4.22e-03	-0.27	1.06e-03	-6.07e-04	0.0
136	51	0.03	1.98e-03	-0.29	-1.59e-03	6.38e-04	0.0
136	52	0.03	-0.03	-0.21	1.61e-04	1.48e-04	0.0
136	53	-0.04	0.03	-0.34	-7.65e-04	-1.06e-04	0.0
136	54	-0.03	-3.00e-03	-0.27	9.82e-04	-5.96e-04	0.0
136	55	0.03	3.53e-03	-0.29	-1.64e-03	6.67e-04	0.0
136	56	0.03	-0.03	-0.21	2.18e-04	1.19e-04	0.0
136	57	-0.04	0.03	-0.34	-8.22e-04	-7.68e-05	0.0
136	58	-0.03	-4.55e-03	-0.27	1.04e-03	-6.25e-04	0.0
136	59	-6.24e-03	0.05	-0.39	-3.34e-03	9.42e-04	0.0
136	60	0.02	-0.06	-0.15	2.48e-03	-6.88e-04	0.0
136	61	-0.02	0.06	-0.40	-3.09e-03	7.30e-04	0.0
136	62	4.95e-03	-0.05	-0.16	2.74e-03	-9.00e-04	0.0
136	63	-6.23e-03	0.05	-0.39	-3.34e-03	9.48e-04	0.0
136	64	0.02	-0.06	-0.15	2.49e-03	-6.83e-04	0.0
136	65	-0.02	0.05	-0.40	-3.09e-03	7.25e-04	0.0
136	66	4.94e-03	-0.05	-0.16	2.73e-03	-9.06e-04	0.0
136	67	-6.31e-03	0.05	-0.39	-3.53e-03	1.04e-03	0.0
136	68	0.02	-0.06	-0.15	2.67e-03	-7.87e-04	0.0
136	69	-0.02	0.06	-0.40	-3.28e-03	8.29e-04	0.0
136	70	5.02e-03	-0.05	-0.16	2.93e-03	-9.99e-04	0.0
136	71	-6.29e-03	0.05	-0.39	-3.53e-03	1.05e-03	0.0
136	72	0.02	-0.06	-0.15	2.68e-03	-7.82e-04	0.0
136	73	-0.02	0.06	-0.40	-3.28e-03	8.23e-04	0.0
136	74	5.00e-03	-0.05	-0.16	2.92e-03	-1.00e-03	0.0
136	75	0.02	1.25e-03	-0.28	-1.38e-03	5.15e-04	0.0
136	76	0.03	-0.02	-0.23	6.54e-05	1.11e-04	0.0
136	77	-0.03	0.02	-0.33	-6.70e-04	-6.90e-05	0.0
136	78	-0.02	-2.27e-03	-0.27	7.74e-04	-4.73e-04	0.0
136	79	0.02	2.53e-03	-0.29	-1.43e-03	5.40e-04	0.0
136	80	0.03	-0.03	-0.23	1.13e-04	8.64e-05	0.0
136	81	-0.03	0.02	-0.33	-7.17e-04	-4.45e-05	0.0
136	82	-0.02	-3.55e-03	-0.27	8.21e-04	-4.98e-04	0.0
136	83	0.02	1.52e-03	-0.28	-1.36e-03	5.30e-04	0.0
136	84	0.03	-0.02	-0.22	8.03e-05	1.26e-04	0.0
136	85	-0.03	0.02	-0.33	-6.85e-04	-8.44e-05	0.0
136	86	-0.02	-2.54e-03	-0.27	7.59e-04	-4.89e-04	0.0

136	87	0.02	2.80e-03	-0.28	-1.41e-03	5.55e-04	0.0
136	88	0.03	-0.03	-0.22	1.28e-04	1.02e-04	0.0
136	89	-0.03	0.02	-0.33	-7.32e-04	-5.98e-05	0.0
136	90	-0.02	-3.82e-03	-0.27	8.06e-04	-5.13e-04	0.0
136	91	-5.27e-03	0.04	-0.37	-2.81e-03	7.82e-04	0.0
136	92	0.02	-0.05	-0.17	2.00e-03	-5.65e-04	0.0
136	93	-0.02	0.05	-0.38	-2.60e-03	6.07e-04	0.0
136	94	3.98e-03	-0.04	-0.18	2.21e-03	-7.40e-04	0.0
136	95	-5.26e-03	0.04	-0.37	-2.81e-03	7.87e-04	0.0
136	96	0.02	-0.05	-0.17	2.00e-03	-5.61e-04	0.0
136	97	-0.02	0.05	-0.38	-2.61e-03	6.02e-04	0.0
136	98	3.96e-03	-0.04	-0.18	2.21e-03	-7.45e-04	0.0
136	99	-5.32e-03	0.04	-0.37	-2.97e-03	8.64e-04	0.0
136	100	0.02	-0.05	-0.17	2.16e-03	-6.47e-04	0.0
136	101	-0.02	0.05	-0.38	-2.76e-03	6.89e-04	0.0
136	102	4.03e-03	-0.04	-0.18	2.37e-03	-8.22e-04	0.0
136	103	-5.31e-03	0.04	-0.37	-2.97e-03	8.69e-04	0.0
136	104	0.02	-0.05	-0.17	2.16e-03	-6.42e-04	0.0
136	105	-0.02	0.05	-0.38	-2.76e-03	6.84e-04	0.0
136	106	4.02e-03	-0.04	-0.18	2.36e-03	-8.27e-04	0.0
137	1	-8.85e-04	-5.87e-04	-0.32	-2.49e-04	-1.02e-05	0.0
137	2	-1.33e-03	-1.84e-04	-0.45	-5.32e-04	6.41e-05	0.0
137	3	-6.72e-04	-4.59e-04	-0.24	-1.86e-04	-9.21e-06	0.0
137	4	-1.11e-03	-5.58e-05	-0.38	-4.69e-04	6.50e-05	0.0
137	5	-6.77e-04	-4.55e-04	-0.25	-1.89e-04	-8.42e-06	0.0
137	6	-9.72e-04	-1.86e-04	-0.33	-3.78e-04	4.11e-05	0.0
137	7	-6.77e-04	-4.55e-04	-0.25	-1.89e-04	-8.42e-06	0.0
137	8	-8.83e-04	-2.67e-04	-0.31	-3.21e-04	2.62e-05	0.0
137	9	-6.77e-04	-4.55e-04	-0.25	-1.89e-04	-8.42e-06	0.0
137	10	-8.54e-04	-2.93e-04	-0.30	-3.02e-04	2.13e-05	0.0
137	11	0.03	5.16e-03	-0.39	-1.95e-03	7.77e-04	0.0
137	12	0.04	-0.03	-0.10	2.58e-04	1.59e-04	0.0
137	13	-0.05	0.03	-0.50	-8.63e-04	-1.17e-04	0.0
137	14	-0.03	-5.75e-03	-0.21	1.34e-03	-7.34e-04	0.0
137	15	0.03	6.93e-03	-0.40	-2.02e-03	8.14e-04	0.0
137	16	0.04	-0.04	-0.09	3.30e-04	1.22e-04	0.0
137	17	-0.05	0.04	-0.50	-9.35e-04	-7.91e-05	0.0
137	18	-0.03	-7.52e-03	-0.20	1.41e-03	-7.72e-04	0.0
137	19	0.03	5.63e-03	-0.40	-1.92e-03	8.01e-04	0.0
137	20	0.04	-0.03	-0.11	2.81e-04	1.83e-04	0.0
137	21	-0.05	0.03	-0.49	-8.85e-04	-1.40e-04	0.0
137	22	-0.03	-6.22e-03	-0.20	1.32e-03	-7.58e-04	0.0
137	23	0.03	7.40e-03	-0.41	-2.00e-03	8.38e-04	0.0
137	24	0.04	-0.04	-0.10	3.53e-04	1.45e-04	0.0
137	25	-0.05	0.03	-0.50	-9.57e-04	-1.03e-04	0.0
137	26	-0.03	-7.99e-03	-0.19	1.39e-03	-7.95e-04	0.0
137	27	-8.38e-03	0.06	-0.77	-4.14e-03	1.19e-03	0.0
137	28	0.03	-0.07	0.20	3.21e-03	-8.74e-04	0.0
137	29	-0.03	0.07	-0.80	-3.81e-03	9.17e-04	0.0
137	30	6.67e-03	-0.06	0.17	3.53e-03	-1.14e-03	0.0
137	31	-8.27e-03	0.06	-0.77	-4.13e-03	1.19e-03	0.0
137	32	0.03	-0.07	0.20	3.22e-03	-8.67e-04	0.0
137	33	-0.03	0.07	-0.80	-3.82e-03	9.10e-04	0.0
137	34	6.57e-03	-0.06	0.17	3.53e-03	-1.15e-03	0.0
137	35	-8.15e-03	0.07	-0.79	-4.38e-03	1.31e-03	0.0
137	36	0.03	-0.08	0.23	3.45e-03	-9.99e-04	0.0
137	37	-0.03	0.08	-0.83	-4.05e-03	1.04e-03	0.0
137	38	6.44e-03	-0.07	0.20	3.77e-03	-1.27e-03	0.0
137	39	-8.04e-03	0.07	-0.80	-4.37e-03	1.32e-03	0.0
137	40	0.03	-0.08	0.23	3.46e-03	-9.92e-04	0.0
137	41	-0.03	0.08	-0.82	-4.06e-03	1.03e-03	0.0
137	42	6.33e-03	-0.07	0.20	3.77e-03	-1.27e-03	0.0
137	43	0.03	4.11e-03	-0.37	-1.60e-03	6.20e-04	0.0
137	44	0.03	-0.03	-0.14	1.43e-04	1.31e-04	0.0
137	45	-0.04	0.03	-0.46	-7.47e-04	-8.80e-05	0.0
137	46	-0.03	-4.69e-03	-0.22	1.00e-03	-5.78e-04	0.0
137	47	0.03	5.51e-03	-0.38	-1.66e-03	6.50e-04	0.0
137	48	0.03	-0.03	-0.14	2.00e-04	1.01e-04	0.0
137	49	-0.04	0.03	-0.46	-8.04e-04	-5.83e-05	0.0
137	50	-0.03	-6.10e-03	-0.22	1.06e-03	-6.07e-04	0.0
137	51	0.03	4.51e-03	-0.38	-1.59e-03	6.39e-04	0.0
137	52	0.03	-0.03	-0.15	1.61e-04	1.49e-04	0.0

137	53	-0.04	0.03	-0.45	-7.65e-04	-1.07e-04	0.0
137	54	-0.03	-5.09e-03	-0.22	9.82e-04	-5.96e-04	0.0
137	55	0.03	5.91e-03	-0.38	-1.64e-03	6.69e-04	0.0
137	56	0.03	-0.03	-0.14	2.18e-04	1.19e-04	0.0
137	57	-0.04	0.03	-0.46	-8.22e-04	-7.69e-05	0.0
137	58	-0.03	-6.50e-03	-0.21	1.04e-03	-6.26e-04	0.0
137	59	-6.81e-03	0.05	-0.67	-3.34e-03	9.44e-04	0.0
137	60	0.02	-0.06	0.10	2.48e-03	-6.89e-04	0.0
137	61	-0.03	0.05	-0.70	-3.09e-03	7.31e-04	0.0
137	62	5.10e-03	-0.05	0.07	2.74e-03	-9.01e-04	0.0
137	63	-6.73e-03	0.05	-0.67	-3.34e-03	9.49e-04	0.0
137	64	0.02	-0.06	0.10	2.49e-03	-6.83e-04	0.0
137	65	-0.03	0.05	-0.69	-3.09e-03	7.26e-04	0.0
137	66	5.02e-03	-0.05	0.07	2.73e-03	-9.07e-04	0.0
137	67	-6.62e-03	0.05	-0.69	-3.53e-03	1.04e-03	0.0
137	68	0.02	-0.06	0.12	2.67e-03	-7.88e-04	0.0
137	69	-0.02	0.06	-0.72	-3.28e-03	8.30e-04	0.0
137	70	4.92e-03	-0.05	0.09	2.93e-03	-1.00e-03	0.0
137	71	-6.55e-03	0.05	-0.69	-3.53e-03	1.05e-03	0.0
137	72	0.02	-0.06	0.12	2.68e-03	-7.82e-04	0.0
137	73	-0.02	0.06	-0.72	-3.28e-03	8.25e-04	0.0
137	74	4.84e-03	-0.05	0.10	2.92e-03	-1.01e-03	0.0
137	75	0.02	3.32e-03	-0.36	-1.38e-03	5.16e-04	0.0
137	76	0.03	-0.02	-0.17	6.53e-05	1.12e-04	0.0
137	77	-0.03	0.02	-0.43	-6.70e-04	-6.90e-05	0.0
137	78	-0.02	-3.91e-03	-0.24	7.74e-04	-4.74e-04	0.0
137	79	0.02	4.48e-03	-0.37	-1.43e-03	5.41e-04	0.0
137	80	0.03	-0.02	-0.16	1.12e-04	8.70e-05	0.0
137	81	-0.03	0.02	-0.43	-7.17e-04	-4.44e-05	0.0
137	82	-0.02	-5.07e-03	-0.23	8.22e-04	-4.98e-04	0.0
137	83	0.02	3.65e-03	-0.36	-1.36e-03	5.32e-04	0.0
137	84	0.03	-0.02	-0.17	8.02e-05	1.27e-04	0.0
137	85	-0.03	0.02	-0.42	-6.85e-04	-8.44e-05	0.0
137	86	-0.02	-4.24e-03	-0.23	7.59e-04	-4.89e-04	0.0
137	87	0.02	4.81e-03	-0.37	-1.41e-03	5.56e-04	0.0
137	88	0.03	-0.02	-0.17	1.27e-04	1.02e-04	0.0
137	89	-0.03	0.02	-0.43	-7.32e-04	-5.99e-05	0.0
137	90	-0.02	-5.40e-03	-0.23	8.07e-04	-5.14e-04	0.0
137	91	-5.77e-03	0.04	-0.61	-2.82e-03	7.84e-04	0.0
137	92	0.02	-0.05	0.03	2.00e-03	-5.65e-04	0.0
137	93	-0.02	0.05	-0.63	-2.60e-03	6.08e-04	0.0
137	94	4.06e-03	-0.04	8.81e-03	2.21e-03	-7.41e-04	0.0
137	95	-5.71e-03	0.04	-0.61	-2.81e-03	7.88e-04	0.0
137	96	0.02	-0.05	0.03	2.00e-03	-5.61e-04	0.0
137	97	-0.02	0.05	-0.63	-2.61e-03	6.03e-04	0.0
137	98	4.00e-03	-0.04	0.01	2.21e-03	-7.46e-04	0.0
137	99	-5.62e-03	0.04	-0.62	-2.97e-03	8.65e-04	0.0
137	100	0.02	-0.05	0.05	2.16e-03	-6.47e-04	0.0
137	101	-0.02	0.05	-0.64	-2.76e-03	6.90e-04	0.0
137	102	3.91e-03	-0.04	0.03	2.37e-03	-8.23e-04	0.0
137	103	-5.56e-03	0.04	-0.62	-2.97e-03	8.70e-04	0.0
137	104	0.02	-0.05	0.05	2.16e-03	-6.43e-04	0.0
137	105	-0.02	0.05	-0.64	-2.76e-03	6.85e-04	0.0
137	106	3.85e-03	-0.04	0.03	2.36e-03	-8.27e-04	0.0
138	1	-7.75e-04	-7.02e-04	-0.31	-2.49e-04	-1.06e-05	0.0
138	2	-1.17e-03	-3.50e-04	-0.43	-5.32e-04	6.30e-05	0.0
138	3	-5.89e-04	-5.46e-04	-0.24	-1.86e-04	-9.54e-06	0.0
138	4	-9.79e-04	-1.95e-04	-0.36	-4.69e-04	6.41e-05	0.0
138	5	-5.93e-04	-5.43e-04	-0.24	-1.89e-04	-8.75e-06	0.0
138	6	-8.53e-04	-3.08e-04	-0.32	-3.78e-04	4.03e-05	0.0
138	7	-5.93e-04	-5.43e-04	-0.24	-1.89e-04	-8.75e-06	0.0
138	8	-7.75e-04	-3.79e-04	-0.30	-3.21e-04	2.56e-05	0.0
138	9	-5.93e-04	-5.43e-04	-0.24	-1.89e-04	-8.75e-06	0.0
138	10	-7.49e-04	-4.02e-04	-0.29	-3.02e-04	2.07e-05	0.0
138	11	0.03	3.63e-03	-0.36	-1.95e-03	7.76e-04	0.0
138	12	0.04	-0.04	-0.17	2.58e-04	1.59e-04	0.0
138	13	-0.05	0.03	-0.41	-8.63e-04	-1.17e-04	0.0
138	14	-0.03	-4.44e-03	-0.22	1.34e-03	-7.35e-04	0.0
138	15	0.03	5.50e-03	-0.36	-2.02e-03	8.13e-04	0.0
138	16	0.04	-0.04	-0.16	3.30e-04	1.21e-04	0.0
138	17	-0.04	0.04	-0.41	-9.35e-04	-7.99e-05	0.0
138	18	-0.03	-6.30e-03	-0.21	1.41e-03	-7.72e-04	0.0

138	19	0.03	4.05e-03	-0.36	-1.92e-03	8.00e-04	0.0
138	20	0.04	-0.04	-0.17	2.81e-04	1.82e-04	0.0
138	21	-0.05	0.03	-0.40	-8.86e-04	-1.41e-04	0.0
138	22	-0.03	-4.86e-03	-0.21	1.32e-03	-7.58e-04	0.0
138	23	0.03	5.92e-03	-0.37	-2.00e-03	8.37e-04	0.0
138	24	0.04	-0.04	-0.17	3.53e-04	1.45e-04	0.0
138	25	-0.05	0.04	-0.41	-9.58e-04	-1.03e-04	0.0
138	26	-0.03	-6.72e-03	-0.21	1.39e-03	-7.96e-04	0.0
138	27	-8.06e-03	0.06	-0.60	-4.14e-03	1.18e-03	0.0
138	28	0.03	-0.07	0.04	3.21e-03	-8.74e-04	0.0
138	29	-0.03	0.07	-0.61	-3.81e-03	9.15e-04	0.0
138	30	6.56e-03	-0.06	0.02	3.54e-03	-1.14e-03	0.0
138	31	-7.98e-03	0.06	-0.60	-4.13e-03	1.19e-03	0.0
138	32	0.03	-0.07	0.04	3.22e-03	-8.67e-04	0.0
138	33	-0.03	0.07	-0.61	-3.82e-03	9.08e-04	0.0
138	34	6.49e-03	-0.06	0.03	3.53e-03	-1.15e-03	0.0
138	35	-7.98e-03	0.07	-0.61	-4.38e-03	1.31e-03	0.0
138	36	0.03	-0.08	0.05	3.45e-03	-9.99e-04	0.0
138	37	-0.03	0.08	-0.63	-4.06e-03	1.04e-03	0.0
138	38	6.48e-03	-0.07	0.04	3.78e-03	-1.27e-03	0.0
138	39	-7.91e-03	0.07	-0.61	-4.37e-03	1.32e-03	0.0
138	40	0.03	-0.08	0.05	3.46e-03	-9.92e-04	0.0
138	41	-0.03	0.08	-0.62	-4.06e-03	1.03e-03	0.0
138	42	6.41e-03	-0.07	0.04	3.77e-03	-1.27e-03	0.0
138	43	0.03	2.88e-03	-0.34	-1.61e-03	6.19e-04	0.0
138	44	0.03	-0.03	-0.19	1.43e-04	1.30e-04	0.0
138	45	-0.04	0.03	-0.38	-7.47e-04	-8.88e-05	0.0
138	46	-0.03	-3.69e-03	-0.23	1.00e-03	-5.78e-04	0.0
138	47	0.03	4.36e-03	-0.35	-1.66e-03	6.49e-04	0.0
138	48	0.03	-0.03	-0.19	2.00e-04	1.00e-04	0.0
138	49	-0.04	0.03	-0.39	-8.04e-04	-5.90e-05	0.0
138	50	-0.03	-5.17e-03	-0.23	1.06e-03	-6.08e-04	0.0
138	51	0.03	3.24e-03	-0.35	-1.59e-03	6.38e-04	0.0
138	52	0.03	-0.03	-0.20	1.61e-04	1.49e-04	0.0
138	53	-0.04	0.03	-0.38	-7.65e-04	-1.07e-04	0.0
138	54	-0.03	-4.05e-03	-0.23	9.82e-04	-5.97e-04	0.0
138	55	0.03	4.72e-03	-0.35	-1.64e-03	6.68e-04	0.0
138	56	0.03	-0.03	-0.19	2.18e-04	1.19e-04	0.0
138	57	-0.04	0.03	-0.38	-8.22e-04	-7.77e-05	0.0
138	58	-0.03	-5.52e-03	-0.22	1.04e-03	-6.26e-04	0.0
138	59	-6.52e-03	0.05	-0.53	-3.34e-03	9.42e-04	0.0
138	60	0.02	-0.06	-0.03	2.48e-03	-6.88e-04	0.0
138	61	-0.02	0.05	-0.55	-3.09e-03	7.30e-04	0.0
138	62	5.02e-03	-0.05	-0.04	2.74e-03	-9.01e-04	0.0
138	63	-6.48e-03	0.05	-0.54	-3.34e-03	9.48e-04	0.0
138	64	0.02	-0.06	-0.03	2.49e-03	-6.83e-04	0.0
138	65	-0.02	0.05	-0.54	-3.09e-03	7.24e-04	0.0
138	66	4.98e-03	-0.05	-0.04	2.73e-03	-9.06e-04	0.0
138	67	-6.46e-03	0.05	-0.54	-3.53e-03	1.04e-03	0.0
138	68	0.02	-0.06	-0.02	2.67e-03	-7.87e-04	0.0
138	69	-0.02	0.06	-0.56	-3.28e-03	8.29e-04	0.0
138	70	4.97e-03	-0.05	-0.03	2.93e-03	-1.00e-03	0.0
138	71	-6.42e-03	0.05	-0.55	-3.53e-03	1.05e-03	0.0
138	72	0.02	-0.06	-0.02	2.68e-03	-7.82e-04	0.0
138	73	-0.02	0.06	-0.55	-3.28e-03	8.23e-04	0.0
138	74	4.92e-03	-0.05	-0.03	2.92e-03	-1.01e-03	0.0
138	75	0.02	2.29e-03	-0.33	-1.38e-03	5.15e-04	0.0
138	76	0.03	-0.02	-0.21	6.52e-05	1.11e-04	0.0
138	77	-0.03	0.02	-0.37	-6.70e-04	-6.98e-05	0.0
138	78	-0.02	-3.09e-03	-0.24	7.75e-04	-4.74e-04	0.0
138	79	0.02	3.51e-03	-0.34	-1.43e-03	5.40e-04	0.0
138	80	0.03	-0.02	-0.21	1.12e-04	8.66e-05	0.0
138	81	-0.03	0.02	-0.37	-7.17e-04	-4.52e-05	0.0
138	82	-0.02	-4.31e-03	-0.24	8.22e-04	-4.99e-04	0.0
138	83	0.02	2.59e-03	-0.34	-1.36e-03	5.31e-04	0.0
138	84	0.03	-0.02	-0.21	8.01e-05	1.27e-04	0.0
138	85	-0.03	0.02	-0.36	-6.85e-04	-8.52e-05	0.0
138	86	-0.02	-3.39e-03	-0.24	7.60e-04	-4.89e-04	0.0
138	87	0.02	3.81e-03	-0.34	-1.41e-03	5.55e-04	0.0
138	88	0.03	-0.02	-0.21	1.27e-04	1.02e-04	0.0
138	89	-0.03	0.02	-0.37	-7.32e-04	-6.06e-05	0.0
138	90	-0.02	-4.61e-03	-0.23	8.07e-04	-5.14e-04	0.0

138	91	-5.52e-03	0.04	-0.49	-2.82e-03	7.82e-04	0.0
138	92	0.02	-0.05	-0.07	2.00e-03	-5.65e-04	0.0
138	93	-0.02	0.05	-0.50	-2.60e-03	6.07e-04	0.0
138	94	4.02e-03	-0.04	-0.08	2.21e-03	-7.41e-04	0.0
138	95	-5.48e-03	0.04	-0.49	-2.81e-03	7.87e-04	0.0
138	96	0.02	-0.05	-0.08	2.00e-03	-5.61e-04	0.0
138	97	-0.02	0.05	-0.50	-2.61e-03	6.02e-04	0.0
138	98	3.98e-03	-0.04	-0.08	2.21e-03	-7.45e-04	0.0
138	99	-5.47e-03	0.04	-0.50	-2.97e-03	8.64e-04	0.0
138	100	0.02	-0.05	-0.07	2.16e-03	-6.47e-04	0.0
138	101	-0.02	0.05	-0.51	-2.76e-03	6.89e-04	0.0
138	102	3.97e-03	-0.04	-0.08	2.37e-03	-8.23e-04	0.0
138	103	-5.43e-03	0.04	-0.50	-2.97e-03	8.69e-04	0.0
138	104	0.02	-0.05	-0.07	2.16e-03	-6.43e-04	0.0
138	105	-0.02	0.05	-0.51	-2.77e-03	6.84e-04	0.0
138	106	3.93e-03	-0.04	-0.07	2.36e-03	-8.27e-04	0.0
139	1	-4.43e-04	-8.22e-04	-0.29	-2.49e-04	-1.06e-05	0.0
139	2	-6.86e-04	-5.23e-04	-0.37	-5.33e-04	6.37e-05	0.0
139	3	-3.36e-04	-6.38e-04	-0.22	-1.86e-04	-9.56e-06	0.0
139	4	-5.79e-04	-3.39e-04	-0.31	-4.70e-04	6.48e-05	0.0
139	5	-3.39e-04	-6.35e-04	-0.22	-1.89e-04	-8.76e-06	0.0
139	6	-5.01e-04	-4.36e-04	-0.28	-3.78e-04	4.08e-05	0.0
139	7	-3.39e-04	-6.35e-04	-0.22	-1.89e-04	-8.76e-06	0.0
139	8	-4.52e-04	-4.95e-04	-0.26	-3.22e-04	2.59e-05	0.0
139	9	-3.39e-04	-6.35e-04	-0.22	-1.89e-04	-8.76e-06	0.0
139	10	-4.36e-04	-5.15e-04	-0.25	-3.03e-04	2.10e-05	0.0
139	11	0.03	2.00e-03	-0.16	-1.95e-03	7.76e-04	0.0
139	12	0.04	-0.04	-0.23	2.58e-04	1.58e-04	0.0
139	13	-0.04	0.04	-0.28	-8.64e-04	-1.16e-04	0.0
139	14	-0.03	-3.03e-03	-0.35	1.34e-03	-7.34e-04	0.0
139	15	0.03	3.97e-03	-0.15	-2.02e-03	8.14e-04	0.0
139	16	0.04	-0.04	-0.23	3.30e-04	1.20e-04	0.0
139	17	-0.04	0.04	-0.28	-9.36e-04	-7.84e-05	0.0
139	18	-0.03	-5.00e-03	-0.36	1.41e-03	-7.72e-04	0.0
139	19	0.03	2.37e-03	-0.15	-1.92e-03	8.00e-04	0.0
139	20	0.04	-0.04	-0.22	2.81e-04	1.81e-04	0.0
139	21	-0.04	0.04	-0.29	-8.86e-04	-1.39e-04	0.0
139	22	-0.03	-3.40e-03	-0.36	1.32e-03	-7.58e-04	0.0
139	23	0.03	4.34e-03	-0.15	-2.00e-03	8.37e-04	0.0
139	24	0.04	-0.04	-0.23	3.53e-04	1.44e-04	0.0
139	25	-0.04	0.04	-0.28	-9.58e-04	-1.02e-04	0.0
139	26	-0.03	-5.37e-03	-0.36	1.39e-03	-7.95e-04	0.0
139	27	-7.10e-03	0.06	-0.12	-4.14e-03	1.19e-03	0.0
139	28	0.03	-0.07	-0.35	3.21e-03	-8.76e-04	0.0
139	29	-0.03	0.07	-0.16	-3.81e-03	9.18e-04	0.0
139	30	6.23e-03	-0.06	-0.39	3.53e-03	-1.14e-03	0.0
139	31	-7.14e-03	0.06	-0.12	-4.13e-03	1.19e-03	0.0
139	32	0.03	-0.07	-0.35	3.21e-03	-8.69e-04	0.0
139	33	-0.03	0.07	-0.16	-3.82e-03	9.11e-04	0.0
139	34	6.27e-03	-0.06	-0.39	3.53e-03	-1.15e-03	0.0
139	35	-7.51e-03	0.07	-0.10	-4.38e-03	1.31e-03	0.0
139	36	0.03	-0.08	-0.37	3.45e-03	-1.00e-03	0.0
139	37	-0.03	0.08	-0.14	-4.05e-03	1.04e-03	0.0
139	38	6.64e-03	-0.07	-0.41	3.77e-03	-1.27e-03	0.0
139	39	-7.55e-03	0.07	-0.10	-4.37e-03	1.32e-03	0.0
139	40	0.03	-0.08	-0.37	3.45e-03	-9.94e-04	0.0
139	41	-0.03	0.08	-0.14	-4.06e-03	1.04e-03	0.0
139	42	6.68e-03	-0.07	-0.41	3.77e-03	-1.28e-03	0.0
139	43	0.03	1.58e-03	-0.18	-1.60e-03	6.20e-04	0.0
139	44	0.03	-0.03	-0.23	1.42e-04	1.29e-04	0.0
139	45	-0.04	0.03	-0.28	-7.48e-04	-8.75e-05	0.0
139	46	-0.03	-2.61e-03	-0.33	9.99e-04	-5.78e-04	0.0
139	47	0.03	3.14e-03	-0.17	-1.66e-03	6.49e-04	0.0
139	48	0.03	-0.03	-0.24	1.99e-04	9.98e-05	0.0
139	49	-0.04	0.03	-0.27	-8.05e-04	-5.78e-05	0.0
139	50	-0.03	-4.17e-03	-0.34	1.06e-03	-6.07e-04	0.0
139	51	0.03	1.90e-03	-0.17	-1.59e-03	6.38e-04	0.0
139	52	0.03	-0.03	-0.23	1.60e-04	1.48e-04	0.0
139	53	-0.04	0.03	-0.28	-7.66e-04	-1.06e-04	0.0
139	54	-0.03	-2.93e-03	-0.33	9.81e-04	-5.96e-04	0.0
139	55	0.03	3.46e-03	-0.17	-1.64e-03	6.68e-04	0.0
139	56	0.03	-0.03	-0.23	2.17e-04	1.18e-04	0.0

139	57	-0.04	0.03	-0.28	-8.23e-04	-7.64e-05	0.0
139	58	-0.03	-4.49e-03	-0.34	1.04e-03	-6.26e-04	0.0
139	59	-5.69e-03	0.05	-0.15	-3.34e-03	9.44e-04	0.0
139	60	0.02	-0.06	-0.33	2.48e-03	-6.90e-04	0.0
139	61	-0.02	0.06	-0.18	-3.09e-03	7.32e-04	0.0
139	62	4.81e-03	-0.05	-0.36	2.74e-03	-9.02e-04	0.0
139	63	-5.73e-03	0.05	-0.15	-3.34e-03	9.49e-04	0.0
139	64	0.02	-0.06	-0.33	2.49e-03	-6.84e-04	0.0
139	65	-0.02	0.05	-0.18	-3.09e-03	7.26e-04	0.0
139	66	4.86e-03	-0.05	-0.36	2.73e-03	-9.08e-04	0.0
139	67	-6.01e-03	0.05	-0.13	-3.53e-03	1.04e-03	0.0
139	68	0.02	-0.06	-0.34	2.67e-03	-7.89e-04	0.0
139	69	-0.02	0.06	-0.16	-3.28e-03	8.31e-04	0.0
139	70	5.14e-03	-0.05	-0.37	2.93e-03	-1.00e-03	0.0
139	71	-6.06e-03	0.05	-0.13	-3.53e-03	1.05e-03	0.0
139	72	0.02	-0.06	-0.34	2.68e-03	-7.83e-04	0.0
139	73	-0.02	0.06	-0.16	-3.28e-03	8.25e-04	0.0
139	74	5.19e-03	-0.05	-0.38	2.92e-03	-1.01e-03	0.0
139	75	0.02	1.19e-03	-0.19	-1.38e-03	5.16e-04	0.0
139	76	0.03	-0.02	-0.24	6.49e-05	1.11e-04	0.0
139	77	-0.03	0.02	-0.27	-6.70e-04	-6.87e-05	0.0
139	78	-0.02	-2.22e-03	-0.32	7.73e-04	-4.74e-04	0.0
139	79	0.02	2.47e-03	-0.19	-1.43e-03	5.40e-04	0.0
139	80	0.03	-0.03	-0.24	1.12e-04	8.61e-05	0.0
139	81	-0.03	0.02	-0.27	-7.18e-04	-4.41e-05	0.0
139	82	-0.02	-3.50e-03	-0.32	8.20e-04	-4.98e-04	0.0
139	83	0.02	1.46e-03	-0.19	-1.36e-03	5.31e-04	0.0
139	84	0.03	-0.02	-0.23	7.98e-05	1.26e-04	0.0
139	85	-0.03	0.02	-0.28	-6.85e-04	-8.41e-05	0.0
139	86	-0.02	-2.49e-03	-0.32	7.58e-04	-4.89e-04	0.0
139	87	0.02	2.74e-03	-0.18	-1.41e-03	5.56e-04	0.0
139	88	0.03	-0.03	-0.24	1.27e-04	1.01e-04	0.0
139	89	-0.03	0.02	-0.27	-7.33e-04	-5.95e-05	0.0
139	90	-0.02	-3.77e-03	-0.32	8.05e-04	-5.14e-04	0.0
139	91	-4.77e-03	0.04	-0.17	-2.81e-03	7.84e-04	0.0
139	92	0.02	-0.05	-0.32	2.00e-03	-5.66e-04	0.0
139	93	-0.02	0.05	-0.19	-2.60e-03	6.08e-04	0.0
139	94	3.90e-03	-0.04	-0.34	2.21e-03	-7.42e-04	0.0
139	95	-4.81e-03	0.04	-0.17	-2.81e-03	7.88e-04	0.0
139	96	0.02	-0.05	-0.32	2.00e-03	-5.62e-04	0.0
139	97	-0.02	0.05	-0.19	-2.61e-03	6.04e-04	0.0
139	98	3.94e-03	-0.04	-0.34	2.20e-03	-7.46e-04	0.0
139	99	-5.04e-03	0.04	-0.15	-2.97e-03	8.65e-04	0.0
139	100	0.02	-0.05	-0.33	2.15e-03	-6.48e-04	0.0
139	101	-0.02	0.05	-0.18	-2.76e-03	6.90e-04	0.0
139	102	4.17e-03	-0.04	-0.35	2.37e-03	-8.24e-04	0.0
139	103	-5.08e-03	0.04	-0.15	-2.97e-03	8.70e-04	0.0
139	104	0.02	-0.05	-0.33	2.16e-03	-6.44e-04	0.0
139	105	-0.02	0.05	-0.18	-2.76e-03	6.86e-04	0.0
139	106	4.21e-03	-0.04	-0.35	2.36e-03	-8.28e-04	0.0
140	1	-3.30e-04	-7.14e-04	-0.28	-2.49e-04	-1.09e-05	0.0
140	2	-5.23e-04	-3.67e-04	-0.36	-5.33e-04	6.30e-05	0.0
140	3	-2.50e-04	-5.56e-04	-0.21	-1.86e-04	-9.76e-06	0.0
140	4	-4.43e-04	-2.09e-04	-0.29	-4.70e-04	6.41e-05	0.0
140	5	-2.52e-04	-5.52e-04	-0.21	-1.89e-04	-8.97e-06	0.0
140	6	-3.81e-04	-3.21e-04	-0.27	-3.79e-04	4.03e-05	0.0
140	7	-2.52e-04	-5.52e-04	-0.21	-1.89e-04	-8.97e-06	0.0
140	8	-3.42e-04	-3.91e-04	-0.25	-3.22e-04	2.55e-05	0.0
140	9	-2.52e-04	-5.52e-04	-0.21	-1.89e-04	-8.97e-06	0.0
140	10	-3.29e-04	-4.14e-04	-0.24	-3.03e-04	2.06e-05	0.0
140	11	0.03	3.46e-03	-0.11	-1.95e-03	7.76e-04	0.0
140	12	0.04	-0.04	-0.24	2.59e-04	1.58e-04	0.0
140	13	-0.04	0.03	-0.25	-8.64e-04	-1.17e-04	0.0
140	14	-0.03	-4.28e-03	-0.37	1.34e-03	-7.34e-04	0.0
140	15	0.03	5.33e-03	-0.11	-2.02e-03	8.13e-04	0.0
140	16	0.04	-0.04	-0.25	3.31e-04	1.20e-04	0.0
140	17	-0.05	0.04	-0.24	-9.36e-04	-7.91e-05	0.0
140	18	-0.03	-6.16e-03	-0.38	1.41e-03	-7.72e-04	0.0
140	19	0.03	3.87e-03	-0.11	-1.92e-03	7.99e-04	0.0
140	20	0.04	-0.04	-0.24	2.81e-04	1.81e-04	0.0
140	21	-0.04	0.03	-0.25	-8.87e-04	-1.40e-04	0.0
140	22	-0.03	-4.70e-03	-0.38	1.32e-03	-7.58e-04	0.0

140	23	0.03	5.75e-03	-0.11	-2.00e-03	8.37e-04	0.0
140	24	0.04	-0.04	-0.25	3.53e-04	1.44e-04	0.0
140	25	-0.04	0.04	-0.24	-9.59e-04	-1.03e-04	0.0
140	26	-0.03	-6.57e-03	-0.38	1.39e-03	-7.95e-04	0.0
140	27	-6.78e-03	0.06	-0.01	-4.14e-03	1.18e-03	0.0
140	28	0.03	-0.07	-0.44	3.21e-03	-8.75e-04	0.0
140	29	-0.03	0.07	-0.05	-3.82e-03	9.17e-04	0.0
140	30	6.13e-03	-0.06	-0.48	3.54e-03	-1.14e-03	0.0
140	31	-6.86e-03	0.06	-0.01	-4.13e-03	1.19e-03	0.0
140	32	0.03	-0.07	-0.44	3.22e-03	-8.68e-04	0.0
140	33	-0.03	0.07	-0.05	-3.82e-03	9.10e-04	0.0
140	34	6.20e-03	-0.06	-0.48	3.53e-03	-1.15e-03	0.0
140	35	-7.36e-03	0.07	0.01	-4.38e-03	1.31e-03	0.0
140	36	0.03	-0.08	-0.46	3.45e-03	-1.00e-03	0.0
140	37	-0.03	0.08	-0.03	-4.06e-03	1.04e-03	0.0
140	38	6.70e-03	-0.07	-0.50	3.78e-03	-1.27e-03	0.0
140	39	-7.44e-03	0.07	0.01	-4.37e-03	1.32e-03	0.0
140	40	0.03	-0.08	-0.46	3.46e-03	-9.93e-04	0.0
140	41	-0.03	0.08	-0.03	-4.06e-03	1.03e-03	0.0
140	42	6.78e-03	-0.07	-0.50	3.77e-03	-1.28e-03	0.0
140	43	0.03	2.74e-03	-0.14	-1.61e-03	6.19e-04	0.0
140	44	0.03	-0.03	-0.24	1.43e-04	1.29e-04	0.0
140	45	-0.04	0.03	-0.25	-7.48e-04	-8.81e-05	0.0
140	46	-0.03	-3.57e-03	-0.35	1.00e-03	-5.78e-04	0.0
140	47	0.03	4.23e-03	-0.14	-1.66e-03	6.49e-04	0.0
140	48	0.03	-0.03	-0.25	2.00e-04	9.96e-05	0.0
140	49	-0.04	0.03	-0.24	-8.05e-04	-5.84e-05	0.0
140	50	-0.03	-5.06e-03	-0.35	1.06e-03	-6.08e-04	0.0
140	51	0.03	3.10e-03	-0.14	-1.59e-03	6.38e-04	0.0
140	52	0.03	-0.03	-0.24	1.61e-04	1.48e-04	0.0
140	53	-0.04	0.03	-0.25	-7.66e-04	-1.07e-04	0.0
140	54	-0.03	-3.93e-03	-0.35	9.82e-04	-5.97e-04	0.0
140	55	0.03	4.59e-03	-0.13	-1.64e-03	6.67e-04	0.0
140	56	0.03	-0.03	-0.25	2.18e-04	1.18e-04	0.0
140	57	-0.04	0.03	-0.24	-8.24e-04	-7.71e-05	0.0
140	58	-0.03	-5.41e-03	-0.35	1.04e-03	-6.26e-04	0.0
140	59	-5.41e-03	0.05	-0.06	-3.34e-03	9.43e-04	0.0
140	60	0.02	-0.06	-0.40	2.48e-03	-6.90e-04	0.0
140	61	-0.02	0.05	-0.09	-3.09e-03	7.31e-04	0.0
140	62	4.75e-03	-0.05	-0.43	2.74e-03	-9.02e-04	0.0
140	63	-5.49e-03	0.05	-0.06	-3.34e-03	9.48e-04	0.0
140	64	0.02	-0.06	-0.40	2.49e-03	-6.84e-04	0.0
140	65	-0.02	0.05	-0.09	-3.09e-03	7.25e-04	0.0
140	66	4.83e-03	-0.05	-0.43	2.73e-03	-9.07e-04	0.0
140	67	-5.87e-03	0.05	-0.04	-3.54e-03	1.04e-03	0.0
140	68	0.02	-0.06	-0.41	2.67e-03	-7.89e-04	0.0
140	69	-0.02	0.06	-0.07	-3.28e-03	8.30e-04	0.0
140	70	5.21e-03	-0.05	-0.45	2.93e-03	-1.00e-03	0.0
140	71	-5.94e-03	0.05	-0.04	-3.53e-03	1.05e-03	0.0
140	72	0.02	-0.06	-0.41	2.68e-03	-7.83e-04	0.0
140	73	-0.02	0.06	-0.07	-3.28e-03	8.24e-04	0.0
140	74	5.28e-03	-0.05	-0.45	2.92e-03	-1.01e-03	0.0
140	75	0.02	2.17e-03	-0.16	-1.38e-03	5.15e-04	0.0
140	76	0.03	-0.02	-0.24	6.51e-05	1.10e-04	0.0
140	77	-0.03	0.02	-0.25	-6.71e-04	-6.93e-05	0.0
140	78	-0.02	-3.00e-03	-0.33	7.74e-04	-4.74e-04	0.0
140	79	0.02	3.40e-03	-0.15	-1.43e-03	5.40e-04	0.0
140	80	0.03	-0.02	-0.25	1.12e-04	8.59e-05	0.0
140	81	-0.03	0.02	-0.24	-7.18e-04	-4.47e-05	0.0
140	82	-0.02	-4.22e-03	-0.33	8.21e-04	-4.99e-04	0.0
140	83	0.02	2.46e-03	-0.16	-1.36e-03	5.31e-04	0.0
140	84	0.03	-0.02	-0.24	8.01e-05	1.26e-04	0.0
140	85	-0.03	0.02	-0.25	-6.86e-04	-8.47e-05	0.0
140	86	-0.02	-3.29e-03	-0.33	7.59e-04	-4.89e-04	0.0
140	87	0.02	3.69e-03	-0.15	-1.41e-03	5.55e-04	0.0
140	88	0.03	-0.02	-0.25	1.27e-04	1.01e-04	0.0
140	89	-0.03	0.02	-0.24	-7.33e-04	-6.01e-05	0.0
140	90	-0.02	-4.52e-03	-0.33	8.06e-04	-5.14e-04	0.0
140	91	-4.52e-03	0.04	-0.09	-2.82e-03	7.83e-04	0.0
140	92	0.02	-0.05	-0.37	2.00e-03	-5.66e-04	0.0
140	93	-0.02	0.05	-0.12	-2.60e-03	6.07e-04	0.0
140	94	3.86e-03	-0.04	-0.40	2.21e-03	-7.42e-04	0.0

140	95	-4.59e-03	0.04	-0.09	-2.81e-03	7.87e-04	0.0
140	96	0.02	-0.05	-0.37	2.00e-03	-5.62e-04	0.0
140	97	-0.02	0.05	-0.12	-2.61e-03	6.03e-04	0.0
140	98	3.93e-03	-0.04	-0.40	2.21e-03	-7.46e-04	0.0
140	99	-4.90e-03	0.04	-0.08	-2.97e-03	8.65e-04	0.0
140	100	0.02	-0.05	-0.38	2.16e-03	-6.48e-04	0.0
140	101	-0.02	0.05	-0.10	-2.76e-03	6.89e-04	0.0
140	102	4.24e-03	-0.04	-0.41	2.37e-03	-8.23e-04	0.0
140	103	-4.97e-03	0.04	-0.08	-2.97e-03	8.69e-04	0.0
140	104	0.02	-0.05	-0.38	2.16e-03	-6.44e-04	0.0
140	105	-0.02	0.05	-0.10	-2.77e-03	6.85e-04	0.0
140	106	4.31e-03	-0.04	-0.41	2.36e-03	-8.28e-04	0.0
141	1	5.96e-05	-2.04e-05	-0.27	-1.46e-04	3.03e-05	0.0
141	2	-3.34e-04	3.28e-04	-0.37	-4.52e-04	1.75e-04	0.0
141	3	5.33e-05	-2.22e-05	-0.21	-1.07e-04	2.06e-05	0.0
141	4	-3.40e-04	3.26e-04	-0.30	-4.12e-04	1.65e-04	0.0
141	5	4.91e-05	-1.85e-05	-0.21	-1.10e-04	2.21e-05	0.0
141	6	-2.13e-04	2.14e-04	-0.27	-3.13e-04	1.18e-04	0.0
141	7	4.91e-05	-1.85e-05	-0.21	-1.10e-04	2.21e-05	0.0
141	8	-1.35e-04	1.44e-04	-0.25	-2.52e-04	8.94e-05	0.0
141	9	4.91e-05	-1.85e-05	-0.21	-1.10e-04	2.21e-05	0.0
141	10	-1.08e-04	1.21e-04	-0.25	-2.32e-04	7.98e-05	0.0
141	11	0.03	0.01	-0.17	-9.15e-04	3.70e-04	0.0
141	12	0.05	-0.03	-0.39	9.45e-04	2.42e-05	0.0
141	13	-0.05	0.03	-0.10	-1.41e-03	1.35e-04	0.0
141	14	-0.03	-0.01	-0.32	4.50e-04	-2.11e-04	0.0
141	15	0.03	0.01	-0.17	-9.49e-04	3.82e-04	0.0
141	16	0.05	-0.03	-0.40	9.79e-04	1.28e-05	0.0
141	17	-0.05	0.03	-0.10	-1.44e-03	1.47e-04	0.0
141	18	-0.03	-0.01	-0.33	4.85e-04	-2.22e-04	0.0
141	19	0.03	0.03	-0.11	-1.34e-03	3.65e-04	0.0
141	20	0.04	-0.01	-0.33	5.18e-04	1.95e-05	0.0
141	21	-0.04	0.01	-0.16	-9.82e-04	1.40e-04	0.0
141	22	-0.03	-0.03	-0.38	8.78e-04	-2.06e-04	0.0
141	23	0.03	0.03	-0.10	-1.38e-03	3.77e-04	0.0
141	24	0.05	-0.01	-0.33	5.52e-04	8.07e-06	0.0
141	25	-0.05	0.01	-0.16	-1.02e-03	1.52e-04	0.0
141	26	-0.03	-0.03	-0.39	9.12e-04	-2.17e-04	0.0
141	27	-6.86e-03	0.06	0.11	-3.26e-03	6.92e-04	0.0
141	28	0.03	-0.07	-0.63	2.94e-03	-4.62e-04	0.0
141	29	-0.03	0.07	0.13	-3.41e-03	6.21e-04	0.0
141	30	6.64e-03	-0.06	-0.60	2.79e-03	-5.32e-04	0.0
141	31	-7.07e-03	0.07	0.13	-3.39e-03	6.90e-04	0.0
141	32	0.03	-0.06	-0.61	2.81e-03	-4.63e-04	0.0
141	33	-0.03	0.06	0.11	-3.28e-03	6.23e-04	0.0
141	34	6.86e-03	-0.07	-0.62	2.92e-03	-5.31e-04	0.0
141	35	-8.13e-03	0.07	0.13	-3.37e-03	7.30e-04	0.0
141	36	0.03	-0.07	-0.64	3.06e-03	-5.00e-04	0.0
141	37	-0.03	0.07	0.15	-3.52e-03	6.59e-04	0.0
141	38	7.91e-03	-0.07	-0.62	2.91e-03	-5.70e-04	0.0
141	39	-8.35e-03	0.07	0.15	-3.50e-03	7.28e-04	0.0
141	40	0.03	-0.07	-0.62	2.93e-03	-5.01e-04	0.0
141	41	-0.03	0.07	0.13	-3.39e-03	6.61e-04	0.0
141	42	8.13e-03	-0.07	-0.64	3.04e-03	-5.69e-04	0.0
141	43	0.03	0.01	-0.19	-7.73e-04	3.10e-04	0.0
141	44	0.04	-0.02	-0.36	7.01e-04	3.57e-05	0.0
141	45	-0.04	0.02	-0.13	-1.17e-03	1.24e-04	0.0
141	46	-0.03	-9.78e-03	-0.31	3.09e-04	-1.50e-04	0.0
141	47	0.03	0.01	-0.18	-8.00e-04	3.19e-04	0.0
141	48	0.04	-0.02	-0.36	7.28e-04	2.66e-05	0.0
141	49	-0.04	0.02	-0.13	-1.19e-03	1.33e-04	0.0
141	50	-0.03	-0.01	-0.31	3.36e-04	-1.59e-04	0.0
141	51	0.03	0.02	-0.14	-1.11e-03	3.06e-04	0.0
141	52	0.04	-0.01	-0.31	3.62e-04	3.19e-05	0.0
141	53	-0.04	0.01	-0.18	-8.26e-04	1.28e-04	0.0
141	54	-0.03	-0.02	-0.36	6.48e-04	-1.47e-04	0.0
141	55	0.03	0.02	-0.13	-1.14e-03	3.15e-04	0.0
141	56	0.04	-0.01	-0.32	3.89e-04	2.29e-05	0.0
141	57	-0.04	0.01	-0.18	-8.53e-04	1.37e-04	0.0
141	58	-0.03	-0.02	-0.36	6.75e-04	-1.56e-04	0.0
141	59	-5.39e-03	0.05	0.04	-2.63e-03	5.65e-04	0.0
141	60	0.02	-0.05	-0.55	2.28e-03	-3.49e-04	0.0

141	61	-0.02	0.05	0.05	-2.75e-03	5.09e-04	0.0
141	62	5.17e-03	-0.05	-0.53	2.17e-03	-4.05e-04	0.0
141	63	-5.58e-03	0.05	0.05	-2.73e-03	5.64e-04	0.0
141	64	0.02	-0.05	-0.53	2.18e-03	-3.50e-04	0.0
141	65	-0.02	0.05	0.04	-2.65e-03	5.10e-04	0.0
141	66	5.37e-03	-0.05	-0.55	2.27e-03	-4.04e-04	0.0
141	67	-6.40e-03	0.05	0.05	-2.72e-03	5.95e-04	0.0
141	68	0.02	-0.06	-0.56	2.37e-03	-3.80e-04	0.0
141	69	-0.03	0.06	0.07	-2.84e-03	5.39e-04	0.0
141	70	6.18e-03	-0.05	-0.54	2.26e-03	-4.35e-04	0.0
141	71	-6.60e-03	0.06	0.06	-2.82e-03	5.94e-04	0.0
141	72	0.02	-0.05	-0.54	2.27e-03	-3.81e-04	0.0
141	73	-0.03	0.05	0.05	-2.74e-03	5.40e-04	0.0
141	74	6.38e-03	-0.06	-0.56	2.36e-03	-4.34e-04	0.0
141	75	0.02	8.30e-03	-0.20	-6.79e-04	2.70e-04	0.0
141	76	0.03	-0.02	-0.34	5.39e-04	4.33e-05	0.0
141	77	-0.03	0.02	-0.15	-1.00e-03	1.16e-04	0.0
141	78	-0.02	-8.06e-03	-0.30	2.15e-04	-1.10e-04	0.0
141	79	0.02	9.11e-03	-0.19	-7.01e-04	2.77e-04	0.0
141	80	0.03	-0.02	-0.34	5.62e-04	3.58e-05	0.0
141	81	-0.03	0.02	-0.15	-1.03e-03	1.24e-04	0.0
141	82	-0.02	-8.87e-03	-0.30	2.37e-04	-1.18e-04	0.0
141	83	0.02	0.02	-0.16	-9.59e-04	2.67e-04	0.0
141	84	0.03	-8.70e-03	-0.30	2.59e-04	4.02e-05	0.0
141	85	-0.03	8.94e-03	-0.19	-7.23e-04	1.19e-04	0.0
141	86	-0.02	-0.02	-0.34	4.95e-04	-1.07e-04	0.0
141	87	0.02	0.02	-0.15	-9.82e-04	2.74e-04	0.0
141	88	0.03	-9.51e-03	-0.30	2.81e-04	3.28e-05	0.0
141	89	-0.03	9.76e-03	-0.19	-7.45e-04	1.27e-04	0.0
141	90	-0.02	-0.02	-0.34	5.18e-04	-1.15e-04	0.0
141	91	-4.47e-03	0.04	-0.01	-2.21e-03	4.81e-04	0.0
141	92	0.02	-0.04	-0.49	1.85e-03	-2.75e-04	0.0
141	93	-0.02	0.04	2.60e-03	-2.31e-03	4.34e-04	0.0
141	94	4.25e-03	-0.04	-0.48	1.75e-03	-3.21e-04	0.0
141	95	-4.63e-03	0.04	1.31e-03	-2.30e-03	4.80e-04	0.0
141	96	0.02	-0.04	-0.48	1.76e-03	-2.76e-04	0.0
141	97	-0.02	0.04	-9.51e-03	-2.23e-03	4.35e-04	0.0
141	98	4.41e-03	-0.04	-0.49	1.83e-03	-3.20e-04	0.0
141	99	-5.31e-03	0.04	-1.56e-03	-2.29e-03	5.06e-04	0.0
141	100	0.02	-0.05	-0.50	1.92e-03	-3.00e-04	0.0
141	101	-0.02	0.05	0.01	-2.39e-03	4.59e-04	0.0
141	102	5.09e-03	-0.04	-0.49	1.82e-03	-3.46e-04	0.0
141	103	-5.47e-03	0.05	0.01	-2.37e-03	5.05e-04	0.0
141	104	0.02	-0.04	-0.49	1.84e-03	-3.01e-04	0.0
141	105	-0.02	0.04	-2.64e-04	-2.30e-03	4.60e-04	0.0
141	106	5.25e-03	-0.05	-0.50	1.91e-03	-3.45e-04	0.0
142	1	5.97e-05	9.34e-05	-0.27	-1.46e-04	3.01e-05	0.0
142	2	-3.34e-04	3.45e-04	-0.38	-4.51e-04	1.74e-04	0.0
142	3	5.33e-05	6.71e-05	-0.21	-1.06e-04	2.04e-05	0.0
142	4	-3.40e-04	3.18e-04	-0.31	-4.12e-04	1.64e-04	0.0
142	5	4.91e-05	6.98e-05	-0.21	-1.10e-04	2.20e-05	0.0
142	6	-2.13e-04	2.37e-04	-0.28	-3.13e-04	1.18e-04	0.0
142	7	4.91e-05	6.98e-05	-0.21	-1.10e-04	2.20e-05	0.0
142	8	-1.35e-04	1.87e-04	-0.26	-2.52e-04	8.91e-05	0.0
142	9	4.91e-05	6.98e-05	-0.21	-1.10e-04	2.20e-05	0.0
142	10	-1.08e-04	1.70e-04	-0.25	-2.32e-04	7.95e-05	0.0
142	11	0.03	0.01	-0.18	-9.15e-04	3.70e-04	0.0
142	12	0.05	-0.03	-0.38	9.46e-04	2.45e-05	0.0
142	13	-0.05	0.03	-0.12	-1.41e-03	1.34e-04	0.0
142	14	-0.03	-0.01	-0.32	4.51e-04	-2.11e-04	0.0
142	15	0.03	0.01	-0.17	-9.49e-04	3.81e-04	0.0
142	16	0.05	-0.03	-0.39	9.80e-04	1.31e-05	0.0
142	17	-0.05	0.03	-0.11	-1.44e-03	1.46e-04	0.0
142	18	-0.03	-0.01	-0.33	4.85e-04	-2.22e-04	0.0
142	19	0.03	0.02	-0.13	-1.34e-03	3.65e-04	0.0
142	20	0.04	-0.01	-0.33	5.18e-04	1.98e-05	0.0
142	21	-0.04	0.02	-0.17	-9.82e-04	1.39e-04	0.0
142	22	-0.03	-0.02	-0.37	8.79e-04	-2.06e-04	0.0
142	23	0.03	0.03	-0.12	-1.38e-03	3.76e-04	0.0
142	24	0.05	-0.02	-0.33	5.52e-04	8.35e-06	0.0
142	25	-0.05	0.02	-0.17	-1.02e-03	1.51e-04	0.0
142	26	-0.03	-0.03	-0.38	9.13e-04	-2.17e-04	0.0

142	27	-6.86e-03	0.06	0.08	-3.26e-03	6.90e-04	0.0
142	28	0.03	-0.07	-0.60	2.94e-03	-4.61e-04	0.0
142	29	-0.03	0.07	0.10	-3.41e-03	6.20e-04	0.0
142	30	6.64e-03	-0.06	-0.58	2.80e-03	-5.31e-04	0.0
142	31	-7.07e-03	0.07	0.10	-3.39e-03	6.89e-04	0.0
142	32	0.03	-0.06	-0.58	2.82e-03	-4.62e-04	0.0
142	33	-0.03	0.06	0.08	-3.28e-03	6.21e-04	0.0
142	34	6.86e-03	-0.07	-0.60	2.92e-03	-5.30e-04	0.0
142	35	-8.13e-03	0.07	0.09	-3.37e-03	7.28e-04	0.0
142	36	0.03	-0.07	-0.61	3.06e-03	-4.99e-04	0.0
142	37	-0.03	0.07	0.11	-3.52e-03	6.58e-04	0.0
142	38	7.91e-03	-0.07	-0.59	2.91e-03	-5.69e-04	0.0
142	39	-8.35e-03	0.07	0.11	-3.50e-03	7.27e-04	0.0
142	40	0.03	-0.07	-0.60	2.93e-03	-5.00e-04	0.0
142	41	-0.03	0.07	0.10	-3.39e-03	6.59e-04	0.0
142	42	8.13e-03	-0.07	-0.61	3.04e-03	-5.68e-04	0.0
142	43	0.03	0.01	-0.19	-7.73e-04	3.09e-04	0.0
142	44	0.04	-0.02	-0.35	7.02e-04	3.58e-05	0.0
142	45	-0.04	0.02	-0.15	-1.17e-03	1.23e-04	0.0
142	46	-0.03	-0.01	-0.31	3.10e-04	-1.50e-04	0.0
142	47	0.03	0.01	-0.19	-8.00e-04	3.18e-04	0.0
142	48	0.04	-0.02	-0.36	7.29e-04	2.67e-05	0.0
142	49	-0.04	0.02	-0.14	-1.19e-03	1.32e-04	0.0
142	50	-0.03	-0.01	-0.31	3.37e-04	-1.60e-04	0.0
142	51	0.03	0.02	-0.15	-1.11e-03	3.06e-04	0.0
142	52	0.04	-0.01	-0.31	3.63e-04	3.21e-05	0.0
142	53	-0.04	0.01	-0.19	-8.26e-04	1.27e-04	0.0
142	54	-0.03	-0.02	-0.35	6.49e-04	-1.47e-04	0.0
142	55	0.03	0.02	-0.15	-1.14e-03	3.15e-04	0.0
142	56	0.04	-0.01	-0.32	3.90e-04	2.30e-05	0.0
142	57	-0.04	0.01	-0.18	-8.54e-04	1.36e-04	0.0
142	58	-0.03	-0.02	-0.35	6.76e-04	-1.56e-04	0.0
142	59	-5.38e-03	0.05	0.01	-2.63e-03	5.63e-04	0.0
142	60	0.02	-0.05	-0.53	2.29e-03	-3.49e-04	0.0
142	61	-0.02	0.05	0.03	-2.75e-03	5.08e-04	0.0
142	62	5.17e-03	-0.05	-0.51	2.17e-03	-4.05e-04	0.0
142	63	-5.58e-03	0.05	0.03	-2.73e-03	5.62e-04	0.0
142	64	0.02	-0.05	-0.51	2.18e-03	-3.50e-04	0.0
142	65	-0.02	0.05	0.01	-2.65e-03	5.09e-04	0.0
142	66	5.37e-03	-0.05	-0.53	2.27e-03	-4.03e-04	0.0
142	67	-6.40e-03	0.05	0.02	-2.72e-03	5.94e-04	0.0
142	68	0.02	-0.06	-0.54	2.38e-03	-3.79e-04	0.0
142	69	-0.03	0.06	0.04	-2.84e-03	5.38e-04	0.0
142	70	6.18e-03	-0.05	-0.52	2.26e-03	-4.35e-04	0.0
142	71	-6.60e-03	0.06	0.04	-2.82e-03	5.93e-04	0.0
142	72	0.02	-0.05	-0.52	2.27e-03	-3.80e-04	0.0
142	73	-0.03	0.05	0.02	-2.74e-03	5.39e-04	0.0
142	74	6.38e-03	-0.06	-0.53	2.36e-03	-4.34e-04	0.0
142	75	0.02	9.18e-03	-0.20	-6.79e-04	2.70e-04	0.0
142	76	0.03	-0.02	-0.34	5.40e-04	4.34e-05	0.0
142	77	-0.03	0.02	-0.16	-1.00e-03	1.16e-04	0.0
142	78	-0.02	-8.84e-03	-0.30	2.16e-04	-1.11e-04	0.0
142	79	0.02	9.91e-03	-0.20	-7.02e-04	2.77e-04	0.0
142	80	0.03	-0.02	-0.34	5.62e-04	3.59e-05	0.0
142	81	-0.03	0.02	-0.16	-1.03e-03	1.23e-04	0.0
142	82	-0.02	-9.57e-03	-0.30	2.38e-04	-1.18e-04	0.0
142	83	0.02	0.02	-0.17	-9.60e-04	2.66e-04	0.0
142	84	0.03	-9.63e-03	-0.30	2.60e-04	4.03e-05	0.0
142	85	-0.03	9.97e-03	-0.20	-7.23e-04	1.19e-04	0.0
142	86	-0.02	-0.02	-0.33	4.96e-04	-1.07e-04	0.0
142	87	0.02	0.02	-0.17	-9.82e-04	2.74e-04	0.0
142	88	0.03	-0.01	-0.30	2.82e-04	3.28e-05	0.0
142	89	-0.03	0.01	-0.20	-7.46e-04	1.26e-04	0.0
142	90	-0.02	-0.02	-0.33	5.18e-04	-1.15e-04	0.0
142	91	-4.47e-03	0.04	-0.03	-2.22e-03	4.79e-04	0.0
142	92	0.02	-0.04	-0.48	1.85e-03	-2.74e-04	0.0
142	93	-0.02	0.04	-0.02	-2.31e-03	4.33e-04	0.0
142	94	4.25e-03	-0.04	-0.47	1.75e-03	-3.21e-04	0.0
142	95	-4.63e-03	0.04	-0.02	-2.30e-03	4.79e-04	0.0
142	96	0.02	-0.04	-0.47	1.76e-03	-2.75e-04	0.0
142	97	-0.02	0.04	-0.03	-2.23e-03	4.34e-04	0.0
142	98	4.41e-03	-0.04	-0.48	1.84e-03	-3.20e-04	0.0

142	99	-5.30e-03	0.04	-0.02	-2.29e-03	5.04e-04	0.0
142	100	0.02	-0.05	-0.49	1.92e-03	-2.99e-04	0.0
142	101	-0.02	0.05	-0.01	-2.39e-03	4.58e-04	0.0
142	102	5.09e-03	-0.04	-0.48	1.83e-03	-3.45e-04	0.0
142	103	-5.47e-03	0.05	-0.01	-2.37e-03	5.03e-04	0.0
142	104	0.02	-0.04	-0.48	1.84e-03	-3.00e-04	0.0
142	105	-0.02	0.04	-0.02	-2.30e-03	4.59e-04	0.0
142	106	5.25e-03	-0.05	-0.49	1.91e-03	-3.45e-04	0.0
143	1	-5.56e-04	-9.31e-04	-0.29	-2.49e-04	-1.07e-05	0.0
143	2	-8.49e-04	-6.79e-04	-0.39	-5.32e-04	6.29e-05	0.0
143	3	-4.22e-04	-7.21e-04	-0.23	-1.86e-04	-9.62e-06	0.0
143	4	-7.15e-04	-4.69e-04	-0.32	-4.70e-04	6.40e-05	0.0
143	5	-4.25e-04	-7.18e-04	-0.23	-1.89e-04	-8.84e-06	0.0
143	6	-6.21e-04	-5.50e-04	-0.29	-3.78e-04	4.02e-05	0.0
143	7	-4.25e-04	-7.18e-04	-0.23	-1.89e-04	-8.84e-06	0.0
143	8	-5.62e-04	-6.01e-04	-0.27	-3.21e-04	2.55e-05	0.0
143	9	-4.25e-04	-7.18e-04	-0.23	-1.89e-04	-8.84e-06	0.0
143	10	-5.43e-04	-6.17e-04	-0.26	-3.02e-04	2.06e-05	0.0
143	11	0.03	5.40e-04	-0.21	-1.95e-03	7.75e-04	0.0
143	12	0.04	-0.04	-0.19	2.58e-04	1.58e-04	0.0
143	13	-0.04	0.04	-0.33	-8.63e-04	-1.17e-04	0.0
143	14	-0.03	-1.77e-03	-0.32	1.34e-03	-7.34e-04	0.0
143	15	0.03	2.59e-03	-0.19	-2.02e-03	8.12e-04	0.0
143	16	0.04	-0.04	-0.21	3.30e-04	1.21e-04	0.0
143	17	-0.04	0.04	-0.31	-9.35e-04	-7.98e-05	0.0
143	18	-0.03	-3.83e-03	-0.34	1.41e-03	-7.71e-04	0.0
143	19	0.03	8.68e-04	-0.21	-1.92e-03	7.99e-04	0.0
143	20	0.04	-0.04	-0.19	2.81e-04	1.82e-04	0.0
143	21	-0.04	0.04	-0.34	-8.86e-04	-1.41e-04	0.0
143	22	-0.03	-2.10e-03	-0.32	1.32e-03	-7.57e-04	0.0
143	23	0.03	2.92e-03	-0.19	-2.00e-03	8.36e-04	0.0
143	24	0.04	-0.04	-0.21	3.53e-04	1.45e-04	0.0
143	25	-0.04	0.04	-0.32	-9.58e-04	-1.03e-04	0.0
143	26	-0.03	-4.16e-03	-0.34	1.39e-03	-7.95e-04	0.0
143	27	-7.42e-03	0.06	-0.27	-4.14e-03	1.18e-03	0.0
143	28	0.03	-0.07	-0.22	3.21e-03	-8.73e-04	0.0
143	29	-0.03	0.07	-0.31	-3.81e-03	9.14e-04	0.0
143	30	6.34e-03	-0.06	-0.26	3.53e-03	-1.14e-03	0.0
143	31	-7.42e-03	0.06	-0.27	-4.13e-03	1.19e-03	0.0
143	32	0.03	-0.07	-0.22	3.22e-03	-8.66e-04	0.0
143	33	-0.03	0.07	-0.31	-3.82e-03	9.07e-04	0.0
143	34	6.34e-03	-0.06	-0.26	3.53e-03	-1.15e-03	0.0
143	35	-7.66e-03	0.07	-0.21	-4.38e-03	1.31e-03	0.0
143	36	0.03	-0.08	-0.28	3.45e-03	-9.98e-04	0.0
143	37	-0.03	0.08	-0.24	-4.05e-03	1.04e-03	0.0
143	38	6.58e-03	-0.07	-0.32	3.77e-03	-1.27e-03	0.0
143	39	-7.67e-03	0.07	-0.21	-4.37e-03	1.31e-03	0.0
143	40	0.03	-0.08	-0.28	3.46e-03	-9.91e-04	0.0
143	41	-0.03	0.08	-0.25	-4.06e-03	1.03e-03	0.0
143	42	6.58e-03	-0.07	-0.32	3.77e-03	-1.27e-03	0.0
143	43	0.03	4.10e-04	-0.22	-1.60e-03	6.19e-04	0.0
143	44	0.03	-0.03	-0.21	1.43e-04	1.30e-04	0.0
143	45	-0.04	0.03	-0.32	-7.47e-04	-8.86e-05	0.0
143	46	-0.03	-1.64e-03	-0.31	1.00e-03	-5.77e-04	0.0
143	47	0.03	2.04e-03	-0.21	-1.66e-03	6.48e-04	0.0
143	48	0.03	-0.03	-0.22	2.00e-04	1.00e-04	0.0
143	49	-0.04	0.03	-0.30	-8.05e-04	-5.90e-05	0.0
143	50	-0.03	-3.27e-03	-0.32	1.06e-03	-6.07e-04	0.0
143	51	0.03	7.04e-04	-0.22	-1.59e-03	6.37e-04	0.0
143	52	0.03	-0.03	-0.21	1.61e-04	1.48e-04	0.0
143	53	-0.04	0.03	-0.32	-7.66e-04	-1.07e-04	0.0
143	54	-0.03	-1.94e-03	-0.31	9.81e-04	-5.96e-04	0.0
143	55	0.03	2.33e-03	-0.20	-1.64e-03	6.67e-04	0.0
143	56	0.03	-0.03	-0.22	2.18e-04	1.19e-04	0.0
143	57	-0.04	0.03	-0.31	-8.23e-04	-7.76e-05	0.0
143	58	-0.03	-3.57e-03	-0.33	1.04e-03	-6.26e-04	0.0
143	59	-5.97e-03	0.05	-0.27	-3.34e-03	9.41e-04	0.0
143	60	0.02	-0.06	-0.23	2.48e-03	-6.88e-04	0.0
143	61	-0.02	0.06	-0.30	-3.09e-03	7.29e-04	0.0
143	62	4.88e-03	-0.05	-0.26	2.74e-03	-9.00e-04	0.0
143	63	-5.98e-03	0.05	-0.27	-3.34e-03	9.47e-04	0.0
143	64	0.02	-0.06	-0.23	2.49e-03	-6.82e-04	0.0

143	65	-0.02	0.05	-0.30	-3.09e-03	7.24e-04	0.0
143	66	4.90e-03	-0.05	-0.26	2.73e-03	-9.06e-04	0.0
143	67	-6.16e-03	0.05	-0.22	-3.53e-03	1.04e-03	0.0
143	68	0.02	-0.06	-0.28	2.67e-03	-7.87e-04	0.0
143	69	-0.02	0.06	-0.25	-3.28e-03	8.28e-04	0.0
143	70	5.08e-03	-0.05	-0.31	2.93e-03	-9.99e-04	0.0
143	71	-6.18e-03	0.05	-0.22	-3.53e-03	1.05e-03	0.0
143	72	0.02	-0.06	-0.28	2.68e-03	-7.81e-04	0.0
143	73	-0.02	0.06	-0.25	-3.28e-03	8.22e-04	0.0
143	74	5.09e-03	-0.05	-0.31	2.92e-03	-1.00e-03	0.0
143	75	0.02	1.98e-04	-0.23	-1.38e-03	5.15e-04	0.0
143	76	0.03	-0.03	-0.22	6.52e-05	1.11e-04	0.0
143	77	-0.03	0.02	-0.31	-6.70e-04	-6.97e-05	0.0
143	78	-0.02	-1.43e-03	-0.30	7.74e-04	-4.74e-04	0.0
143	79	0.02	1.54e-03	-0.22	-1.43e-03	5.39e-04	0.0
143	80	0.03	-0.03	-0.23	1.12e-04	8.63e-05	0.0
143	81	-0.03	0.03	-0.30	-7.17e-04	-4.52e-05	0.0
143	82	-0.02	-2.78e-03	-0.31	8.21e-04	-4.98e-04	0.0
143	83	0.02	4.45e-04	-0.23	-1.36e-03	5.30e-04	0.0
143	84	0.03	-0.03	-0.22	8.01e-05	1.26e-04	0.0
143	85	-0.03	0.02	-0.31	-6.85e-04	-8.51e-05	0.0
143	86	-0.02	-1.68e-03	-0.30	7.59e-04	-4.89e-04	0.0
143	87	0.02	1.79e-03	-0.21	-1.41e-03	5.55e-04	0.0
143	88	0.03	-0.03	-0.23	1.27e-04	1.02e-04	0.0
143	89	-0.03	0.03	-0.30	-7.32e-04	-6.06e-05	0.0
143	90	-0.02	-3.02e-03	-0.32	8.06e-04	-5.14e-04	0.0
143	91	-5.02e-03	0.04	-0.27	-2.82e-03	7.81e-04	0.0
143	92	0.02	-0.05	-0.23	2.00e-03	-5.65e-04	0.0
143	93	-0.02	0.05	-0.30	-2.60e-03	6.06e-04	0.0
143	94	3.94e-03	-0.04	-0.26	2.21e-03	-7.40e-04	0.0
143	95	-5.04e-03	0.04	-0.27	-2.81e-03	7.86e-04	0.0
143	96	0.02	-0.05	-0.23	2.00e-03	-5.60e-04	0.0
143	97	-0.02	0.05	-0.30	-2.61e-03	6.01e-04	0.0
143	98	3.95e-03	-0.04	-0.26	2.21e-03	-7.45e-04	0.0
143	99	-5.18e-03	0.04	-0.23	-2.97e-03	8.63e-04	0.0
143	100	0.02	-0.05	-0.28	2.15e-03	-6.47e-04	0.0
143	101	-0.02	0.05	-0.25	-2.76e-03	6.88e-04	0.0
143	102	4.10e-03	-0.04	-0.30	2.37e-03	-8.22e-04	0.0
143	103	-5.20e-03	0.04	-0.23	-2.97e-03	8.68e-04	0.0
143	104	0.02	-0.05	-0.28	2.16e-03	-6.42e-04	0.0
143	105	-0.02	0.05	-0.25	-2.76e-03	6.83e-04	0.0
143	106	4.11e-03	-0.04	-0.30	2.36e-03	-8.27e-04	0.0
144	1	-5.48e-05	-1.33e-04	-0.27	-1.46e-04	3.11e-05	0.0
144	2	-3.45e-04	3.14e-04	-0.38	-4.51e-04	1.77e-04	0.0
144	3	-3.67e-05	-1.11e-04	-0.21	-1.06e-04	2.12e-05	0.0
144	4	-3.27e-04	3.36e-04	-0.32	-4.11e-04	1.67e-04	0.0
144	5	-3.98e-05	-1.06e-04	-0.21	-1.10e-04	2.27e-05	0.0
144	6	-2.34e-04	1.92e-04	-0.28	-3.13e-04	1.20e-04	0.0
144	7	-3.98e-05	-1.06e-04	-0.21	-1.10e-04	2.27e-05	0.0
144	8	-1.75e-04	1.03e-04	-0.26	-2.52e-04	9.07e-05	0.0
144	9	-3.98e-05	-1.06e-04	-0.21	-1.10e-04	2.27e-05	0.0
144	10	-1.56e-04	7.27e-05	-0.25	-2.32e-04	8.10e-05	0.0
144	11	0.03	0.01	-0.15	-9.14e-04	3.71e-04	0.0
144	12	0.05	-0.03	-0.30	9.46e-04	2.56e-05	0.0
144	13	-0.05	0.03	-0.21	-1.41e-03	1.36e-04	0.0
144	14	-0.03	-0.01	-0.35	4.51e-04	-2.09e-04	0.0
144	15	0.03	0.01	-0.15	-9.48e-04	3.83e-04	0.0
144	16	0.05	-0.03	-0.30	9.80e-04	1.42e-05	0.0
144	17	-0.05	0.03	-0.21	-1.44e-03	1.48e-04	0.0
144	18	-0.03	-0.01	-0.36	4.85e-04	-2.21e-04	0.0
144	19	0.03	0.03	-0.16	-1.34e-03	3.66e-04	0.0
144	20	0.04	-0.01	-0.30	5.17e-04	2.08e-05	0.0
144	21	-0.04	0.01	-0.21	-9.81e-04	1.41e-04	0.0
144	22	-0.03	-0.03	-0.35	8.79e-04	-2.04e-04	0.0
144	23	0.03	0.03	-0.15	-1.38e-03	3.78e-04	0.0
144	24	0.04	-0.01	-0.30	5.52e-04	9.43e-06	0.0
144	25	-0.05	0.01	-0.20	-1.01e-03	1.52e-04	0.0
144	26	-0.03	-0.03	-0.35	9.13e-04	-2.16e-04	0.0
144	27	-6.76e-03	0.06	-5.65e-03	-3.26e-03	6.92e-04	0.0
144	28	0.03	-0.07	-0.49	2.94e-03	-4.60e-04	0.0
144	29	-0.03	0.07	-0.02	-3.41e-03	6.22e-04	0.0
144	30	6.44e-03	-0.06	-0.50	2.79e-03	-5.30e-04	0.0

144	31	-6.93e-03	0.07	-6.64e-03	-3.39e-03	6.91e-04	0.0
144	32	0.03	-0.06	-0.49	2.81e-03	-4.61e-04	0.0
144	33	-0.03	0.06	-0.02	-3.28e-03	6.23e-04	0.0
144	34	6.62e-03	-0.07	-0.50	2.92e-03	-5.29e-04	0.0
144	35	-7.79e-03	0.07	4.58e-03	-3.37e-03	7.30e-04	0.0
144	36	0.03	-0.07	-0.50	3.06e-03	-4.98e-04	0.0
144	37	-0.03	0.07	-0.01	-3.52e-03	6.60e-04	0.0
144	38	7.48e-03	-0.07	-0.51	2.91e-03	-5.68e-04	0.0
144	39	-7.97e-03	0.07	3.58e-03	-3.50e-03	7.29e-04	0.0
144	40	0.03	-0.07	-0.50	2.93e-03	-4.99e-04	0.0
144	41	-0.03	0.07	-0.01	-3.39e-03	6.61e-04	0.0
144	42	7.66e-03	-0.07	-0.51	3.04e-03	-5.67e-04	0.0
144	43	0.03	8.79e-03	-0.18	-7.72e-04	3.11e-04	0.0
144	44	0.04	-0.02	-0.29	7.02e-04	3.70e-05	0.0
144	45	-0.04	0.02	-0.22	-1.16e-03	1.25e-04	0.0
144	46	-0.03	-8.65e-03	-0.33	3.09e-04	-1.49e-04	0.0
144	47	0.03	9.88e-03	-0.17	-7.99e-04	3.20e-04	0.0
144	48	0.04	-0.02	-0.29	7.29e-04	2.79e-05	0.0
144	49	-0.04	0.02	-0.22	-1.19e-03	1.34e-04	0.0
144	50	-0.03	-9.74e-03	-0.33	3.36e-04	-1.58e-04	0.0
144	51	0.03	0.02	-0.18	-1.11e-03	3.07e-04	0.0
144	52	0.03	-9.29e-03	-0.29	3.62e-04	3.32e-05	0.0
144	53	-0.04	9.43e-03	-0.22	-8.25e-04	1.29e-04	0.0
144	54	-0.03	-0.02	-0.33	6.49e-04	-1.45e-04	0.0
144	55	0.03	0.02	-0.18	-1.14e-03	3.16e-04	0.0
144	56	0.04	-0.01	-0.29	3.89e-04	2.42e-05	0.0
144	57	-0.04	0.01	-0.21	-8.52e-04	1.38e-04	0.0
144	58	-0.03	-0.02	-0.33	6.76e-04	-1.54e-04	0.0
144	59	-5.33e-03	0.05	-0.06	-2.63e-03	5.65e-04	0.0
144	60	0.02	-0.05	-0.44	2.28e-03	-3.48e-04	0.0
144	61	-0.02	0.05	-0.07	-2.75e-03	5.10e-04	0.0
144	62	5.01e-03	-0.05	-0.45	2.17e-03	-4.03e-04	0.0
144	63	-5.49e-03	0.05	-0.06	-2.73e-03	5.64e-04	0.0
144	64	0.02	-0.05	-0.44	2.18e-03	-3.49e-04	0.0
144	65	-0.02	0.05	-0.07	-2.65e-03	5.11e-04	0.0
144	66	5.18e-03	-0.05	-0.45	2.27e-03	-4.02e-04	0.0
144	67	-6.15e-03	0.05	-0.05	-2.72e-03	5.95e-04	0.0
144	68	0.02	-0.06	-0.45	2.37e-03	-3.78e-04	0.0
144	69	-0.02	0.06	-0.06	-2.84e-03	5.40e-04	0.0
144	70	5.84e-03	-0.05	-0.46	2.26e-03	-4.33e-04	0.0
144	71	-6.31e-03	0.06	-0.05	-2.82e-03	5.94e-04	0.0
144	72	0.02	-0.05	-0.45	2.27e-03	-3.79e-04	0.0
144	73	-0.02	0.05	-0.06	-2.74e-03	5.41e-04	0.0
144	74	6.00e-03	-0.06	-0.46	2.36e-03	-4.32e-04	0.0
144	75	0.02	7.27e-03	-0.19	-6.78e-04	2.71e-04	0.0
144	76	0.03	-0.02	-0.28	5.40e-04	4.46e-05	0.0
144	77	-0.03	0.02	-0.22	-1.00e-03	1.17e-04	0.0
144	78	-0.02	-7.12e-03	-0.32	2.15e-04	-1.09e-04	0.0
144	79	0.02	8.17e-03	-0.19	-7.01e-04	2.78e-04	0.0
144	80	0.03	-0.02	-0.29	5.62e-04	3.71e-05	0.0
144	81	-0.03	0.02	-0.22	-1.03e-03	1.25e-04	0.0
144	82	-0.02	-8.02e-03	-0.32	2.38e-04	-1.16e-04	0.0
144	83	0.02	0.02	-0.19	-9.59e-04	2.68e-04	0.0
144	84	0.03	-7.65e-03	-0.29	2.59e-04	4.15e-05	0.0
144	85	-0.03	7.80e-03	-0.22	-7.22e-04	1.20e-04	0.0
144	86	-0.02	-0.02	-0.32	4.96e-04	-1.06e-04	0.0
144	87	0.02	0.02	-0.19	-9.81e-04	2.75e-04	0.0
144	88	0.03	-8.55e-03	-0.29	2.81e-04	3.40e-05	0.0
144	89	-0.03	8.70e-03	-0.22	-7.45e-04	1.28e-04	0.0
144	90	-0.02	-0.02	-0.32	5.18e-04	-1.13e-04	0.0
144	91	-4.43e-03	0.04	-0.09	-2.21e-03	4.81e-04	0.0
144	92	0.02	-0.04	-0.41	1.85e-03	-2.73e-04	0.0
144	93	-0.02	0.05	-0.10	-2.31e-03	4.35e-04	0.0
144	94	4.11e-03	-0.04	-0.42	1.75e-03	-3.19e-04	0.0
144	95	-4.56e-03	0.04	-0.09	-2.30e-03	4.80e-04	0.0
144	96	0.02	-0.04	-0.41	1.76e-03	-2.74e-04	0.0
144	97	-0.02	0.04	-0.10	-2.23e-03	4.36e-04	0.0
144	98	4.25e-03	-0.04	-0.42	1.83e-03	-3.18e-04	0.0
144	99	-5.11e-03	0.04	-0.08	-2.29e-03	5.06e-04	0.0
144	100	0.02	-0.05	-0.41	1.92e-03	-2.98e-04	0.0
144	101	-0.02	0.05	-0.10	-2.38e-03	4.60e-04	0.0
144	102	4.80e-03	-0.04	-0.42	1.82e-03	-3.44e-04	0.0

144	103	-5.24e-03	0.05	-0.09	-2.37e-03	5.05e-04	0.0
144	104	0.02	-0.04	-0.41	1.84e-03	-2.99e-04	0.0
144	105	-0.02	0.04	-0.09	-2.30e-03	4.61e-04	0.0
144	106	4.93e-03	-0.05	-0.42	1.91e-03	-3.43e-04	0.0
145	1	-6.12e-05	4.24e-04	-0.27	-1.42e-04	-6.11e-05	0.0
145	2	-3.59e-04	-1.14e-04	-0.39	-5.89e-04	-1.31e-04	0.0
145	3	-4.15e-05	3.36e-04	-0.21	-1.01e-04	-4.57e-05	0.0
145	4	-3.40e-04	-2.01e-04	-0.32	-5.48e-04	-1.16e-04	0.0
145	5	-4.46e-05	3.31e-04	-0.21	-1.06e-04	-4.64e-05	0.0
145	6	-2.43e-04	-2.79e-05	-0.28	-4.04e-04	-9.33e-05	0.0
145	7	-4.46e-05	3.31e-04	-0.21	-1.06e-04	-4.64e-05	0.0
145	8	-1.84e-04	7.96e-05	-0.26	-3.14e-04	-7.93e-05	0.0
145	9	-4.46e-05	3.31e-04	-0.21	-1.06e-04	-4.64e-05	0.0
145	10	-1.64e-04	1.15e-04	-0.25	-2.85e-04	-7.46e-05	0.0
145	11	0.03	0.03	-0.10	-3.14e-04	-4.68e-05	0.0
145	12	0.04	-9.86e-03	-0.26	1.37e-03	0.0	0.0
145	13	-0.05	0.01	-0.25	-1.94e-03	-1.48e-04	0.0
145	14	-0.03	-0.03	-0.41	-2.55e-04	-1.02e-04	0.0
145	15	0.03	0.03	-0.11	-2.57e-04	-4.70e-05	0.0
145	16	0.05	-0.01	-0.25	1.32e-03	0.0	0.0
145	17	-0.05	0.01	-0.26	-1.89e-03	-1.48e-04	0.0
145	18	-0.03	-0.03	-0.40	-3.12e-04	-1.02e-04	0.0
145	19	0.03	0.03	-0.10	-2.70e-04	-4.81e-05	0.0
145	20	0.04	-0.01	-0.26	1.42e-03	-2.33e-06	0.0
145	21	-0.04	0.01	-0.25	-1.99e-03	-1.47e-04	0.0
145	22	-0.03	-0.03	-0.40	-2.99e-04	-1.01e-04	0.0
145	23	0.03	0.03	-0.11	-2.13e-04	-4.83e-05	0.0
145	24	0.04	-0.01	-0.25	1.36e-03	-2.14e-06	0.0
145	25	-0.04	0.01	-0.25	-1.93e-03	-1.47e-04	0.0
145	26	-0.03	-0.03	-0.40	-3.56e-04	-1.01e-04	0.0
145	27	-8.14e-03	0.06	0.03	-2.86e-03	-1.36e-04	0.0
145	28	0.03	-0.06	-0.49	2.78e-03	1.70e-05	0.0
145	29	-0.03	0.06	-0.02	-3.34e-03	-1.66e-04	0.0
145	30	7.81e-03	-0.06	-0.53	2.29e-03	-1.34e-05	0.0
145	31	-8.38e-03	0.06	0.03	-2.84e-03	-1.36e-04	0.0
145	32	0.03	-0.06	-0.49	2.79e-03	1.66e-05	0.0
145	33	-0.03	0.06	-0.02	-3.36e-03	-1.66e-04	0.0
145	34	8.05e-03	-0.06	-0.53	2.27e-03	-1.30e-05	0.0
145	35	-9.51e-03	0.07	0.01	-2.67e-03	-1.36e-04	0.0
145	36	0.03	-0.06	-0.47	2.58e-03	1.76e-05	0.0
145	37	-0.03	0.06	-0.03	-3.15e-03	-1.67e-04	0.0
145	38	9.18e-03	-0.07	-0.52	2.10e-03	-1.28e-05	0.0
145	39	-9.76e-03	0.07	0.01	-2.65e-03	-1.37e-04	0.0
145	40	0.03	-0.06	-0.47	2.60e-03	1.72e-05	0.0
145	41	-0.03	0.06	-0.03	-3.17e-03	-1.66e-04	0.0
145	42	9.43e-03	-0.07	-0.52	2.08e-03	-1.24e-05	0.0
145	43	0.03	0.02	-0.13	-3.11e-04	-5.31e-05	0.0
145	44	0.04	-7.89e-03	-0.26	1.03e-03	-1.68e-05	0.0
145	45	-0.04	8.12e-03	-0.25	-1.60e-03	-1.32e-04	0.0
145	46	-0.03	-0.02	-0.37	-2.58e-04	-9.61e-05	0.0
145	47	0.03	0.02	-0.14	-2.65e-04	-5.32e-05	0.0
145	48	0.04	-8.16e-03	-0.25	9.83e-04	-1.67e-05	0.0
145	49	-0.04	8.39e-03	-0.25	-1.55e-03	-1.32e-04	0.0
145	50	-0.03	-0.02	-0.37	-3.04e-04	-9.59e-05	0.0
145	51	0.03	0.02	-0.13	-2.76e-04	-5.40e-05	0.0
145	52	0.03	-8.17e-03	-0.26	1.06e-03	-1.78e-05	0.0
145	53	-0.03	8.40e-03	-0.25	-1.63e-03	-1.31e-04	0.0
145	54	-0.03	-0.02	-0.37	-2.93e-04	-9.51e-05	0.0
145	55	0.02	0.02	-0.14	-2.30e-04	-5.42e-05	0.0
145	56	0.03	-8.43e-03	-0.25	1.02e-03	-1.76e-05	0.0
145	57	-0.04	8.67e-03	-0.25	-1.59e-03	-1.31e-04	0.0
145	58	-0.03	-0.02	-0.37	-3.39e-04	-9.49e-05	0.0
145	59	-6.40e-03	0.05	-0.03	-2.32e-03	-1.23e-04	0.0
145	60	0.02	-0.05	-0.44	2.14e-03	-2.26e-06	0.0
145	61	-0.02	0.05	-0.07	-2.71e-03	-1.47e-04	0.0
145	62	6.08e-03	-0.05	-0.48	1.75e-03	-2.60e-05	0.0
145	63	-6.62e-03	0.05	-0.03	-2.31e-03	-1.23e-04	0.0
145	64	0.02	-0.05	-0.44	2.15e-03	-2.56e-06	0.0
145	65	-0.02	0.05	-0.07	-2.72e-03	-1.47e-04	0.0
145	66	6.30e-03	-0.05	-0.47	1.74e-03	-2.57e-05	0.0
145	67	-7.50e-03	0.05	-0.04	-2.17e-03	-1.24e-04	0.0
145	68	0.03	-0.05	-0.43	1.99e-03	-1.78e-06	0.0

145	69	-0.03	0.05	-0.08	-2.56e-03	-1.47e-04	0.0
145	70	7.17e-03	-0.05	-0.46	1.60e-03	-2.56e-05	0.0
145	71	-7.72e-03	0.05	-0.04	-2.16e-03	-1.24e-04	0.0
145	72	0.03	-0.05	-0.43	2.00e-03	-2.07e-06	0.0
145	73	-0.03	0.05	-0.08	-2.57e-03	-1.47e-04	0.0
145	74	7.39e-03	-0.05	-0.46	1.59e-03	-2.53e-05	0.0
145	75	0.02	0.02	-0.15	-3.05e-04	-5.67e-05	0.0
145	76	0.03	-6.49e-03	-0.26	8.01e-04	-2.68e-05	0.0
145	77	-0.03	6.72e-03	-0.25	-1.37e-03	-1.22e-04	0.0
145	78	-0.02	-0.02	-0.35	-2.64e-04	-9.24e-05	0.0
145	79	0.02	0.02	-0.16	-2.68e-04	-5.69e-05	0.0
145	80	0.03	-6.71e-03	-0.25	7.63e-04	-2.67e-05	0.0
145	81	-0.03	6.94e-03	-0.25	-1.33e-03	-1.22e-04	0.0
145	82	-0.02	-0.02	-0.35	-3.01e-04	-9.23e-05	0.0
145	83	0.02	0.02	-0.16	-2.77e-04	-5.76e-05	0.0
145	84	0.03	-6.72e-03	-0.26	8.30e-04	-2.76e-05	0.0
145	85	-0.03	6.95e-03	-0.25	-1.40e-03	-1.22e-04	0.0
145	86	-0.02	-0.02	-0.35	-2.92e-04	-9.16e-05	0.0
145	87	0.02	0.02	-0.16	-2.39e-04	-5.77e-05	0.0
145	88	0.03	-6.94e-03	-0.25	7.92e-04	-2.75e-05	0.0
145	89	-0.03	7.17e-03	-0.25	-1.36e-03	-1.22e-04	0.0
145	90	-0.02	-0.02	-0.35	-3.30e-04	-9.14e-05	0.0
145	91	-5.32e-03	0.04	-0.07	-1.97e-03	-1.15e-04	0.0
145	92	0.02	-0.04	-0.41	1.72e-03	-1.48e-05	0.0
145	93	-0.02	0.04	-0.10	-2.29e-03	-1.34e-04	0.0
145	94	4.99e-03	-0.04	-0.44	1.40e-03	-3.45e-05	0.0
145	95	-5.50e-03	0.04	-0.07	-1.96e-03	-1.15e-04	0.0
145	96	0.02	-0.04	-0.41	1.73e-03	-1.50e-05	0.0
145	97	-0.02	0.04	-0.10	-2.30e-03	-1.34e-04	0.0
145	98	5.17e-03	-0.04	-0.44	1.39e-03	-3.42e-05	0.0
145	99	-6.23e-03	0.04	-0.08	-1.84e-03	-1.15e-04	0.0
145	100	0.02	-0.04	-0.40	1.59e-03	-1.44e-05	0.0
145	101	-0.02	0.04	-0.11	-2.16e-03	-1.35e-04	0.0
145	102	5.90e-03	-0.04	-0.43	1.27e-03	-3.41e-05	0.0
145	103	-6.41e-03	0.04	-0.08	-1.84e-03	-1.15e-04	0.0
145	104	0.02	-0.04	-0.40	1.60e-03	-1.46e-05	0.0
145	105	-0.02	0.04	-0.11	-2.17e-03	-1.34e-04	0.0
145	106	6.08e-03	-0.04	-0.43	1.27e-03	-3.38e-05	0.0
146	1	-6.12e-05	4.66e-04	-0.27	-1.42e-04	-6.13e-05	0.0
146	2	-3.60e-04	-2.02e-04	-0.38	-5.89e-04	-1.32e-04	0.0
146	3	-4.14e-05	3.71e-04	-0.20	-1.01e-04	-4.58e-05	0.0
146	4	-3.40e-04	-2.97e-04	-0.32	-5.47e-04	-1.17e-04	0.0
146	5	-4.46e-05	3.64e-04	-0.20	-1.06e-04	-4.66e-05	0.0
146	6	-2.44e-04	-8.17e-05	-0.28	-4.03e-04	-9.39e-05	0.0
146	7	-4.46e-05	3.64e-04	-0.20	-1.06e-04	-4.66e-05	0.0
146	8	-1.84e-04	5.19e-05	-0.26	-3.14e-04	-7.97e-05	0.0
146	9	-4.46e-05	3.64e-04	-0.20	-1.06e-04	-4.66e-05	0.0
146	10	-1.64e-04	9.64e-05	-0.25	-2.84e-04	-7.50e-05	0.0
146	11	0.03	0.03	-0.10	-3.14e-04	-4.69e-05	0.0
146	12	0.04	-7.45e-03	-0.25	1.38e-03	0.0	0.0
146	13	-0.05	7.65e-03	-0.25	-1.94e-03	-1.49e-04	0.0
146	14	-0.03	-0.03	-0.40	-2.54e-04	-1.03e-04	0.0
146	15	0.03	0.03	-0.10	-2.57e-04	-4.72e-05	0.0
146	16	0.05	-7.62e-03	-0.25	1.32e-03	0.0	0.0
146	17	-0.05	7.81e-03	-0.25	-1.89e-03	-1.49e-04	0.0
146	18	-0.03	-0.03	-0.40	-3.11e-04	-1.03e-04	0.0
146	19	0.03	0.03	-0.24	-2.70e-04	-4.84e-05	0.0
146	20	0.04	-7.57e-03	-0.40	1.42e-03	-2.18e-06	0.0
146	21	-0.04	7.76e-03	-0.10	-1.99e-03	-1.48e-04	0.0
146	22	-0.03	-0.03	-0.25	-2.99e-04	-1.02e-04	0.0
146	23	0.03	0.03	-0.25	-2.12e-04	-4.87e-05	0.0
146	24	0.04	-7.74e-03	-0.40	1.36e-03	-1.93e-06	0.0
146	25	-0.04	7.93e-03	-0.10	-1.93e-03	-1.48e-04	0.0
146	26	-0.03	-0.03	-0.25	-3.56e-04	-1.01e-04	0.0
146	27	-8.13e-03	0.06	0.04	-2.86e-03	-1.37e-04	0.0
146	28	0.03	-0.06	-0.49	2.78e-03	1.74e-05	0.0
146	29	-0.03	0.06	-9.72e-03	-3.35e-03	-1.67e-04	0.0
146	30	7.81e-03	-0.06	-0.53	2.29e-03	-1.32e-05	0.0
146	31	-8.38e-03	0.06	-9.23e-03	-2.84e-03	-1.37e-04	0.0
146	32	0.03	-0.06	-0.53	2.79e-03	1.70e-05	0.0
146	33	-0.03	0.06	0.03	-3.36e-03	-1.67e-04	0.0
146	34	8.05e-03	-0.06	-0.49	2.27e-03	-1.28e-05	0.0

146	35	-9.51e-03	0.06	0.02	-2.67e-03	-1.38e-04	0.0
146	36	0.03	-0.06	-0.47	2.59e-03	1.83e-05	0.0
146	37	-0.03	0.06	-0.03	-3.15e-03	-1.68e-04	0.0
146	38	9.18e-03	-0.06	-0.52	2.10e-03	-1.24e-05	0.0
146	39	-9.75e-03	0.06	-0.03	-2.65e-03	-1.38e-04	0.0
146	40	0.03	-0.06	-0.52	2.60e-03	1.78e-05	0.0
146	41	-0.03	0.06	0.02	-3.17e-03	-1.68e-04	0.0
146	42	9.43e-03	-0.06	-0.47	2.08e-03	-1.20e-05	0.0
146	43	0.03	0.02	-0.13	-3.11e-04	-5.32e-05	0.0
146	44	0.04	-5.98e-03	-0.25	1.03e-03	-1.67e-05	0.0
146	45	-0.04	6.18e-03	-0.25	-1.60e-03	-1.33e-04	0.0
146	46	-0.03	-0.02	-0.37	-2.58e-04	-9.67e-05	0.0
146	47	0.03	0.02	-0.13	-2.65e-04	-5.34e-05	0.0
146	48	0.04	-6.11e-03	-0.25	9.83e-04	-1.65e-05	0.0
146	49	-0.04	6.31e-03	-0.25	-1.55e-03	-1.33e-04	0.0
146	50	-0.03	-0.02	-0.37	-3.03e-04	-9.65e-05	0.0
146	51	0.03	0.02	-0.24	-2.76e-04	-5.43e-05	0.0
146	52	0.03	-6.10e-03	-0.37	1.06e-03	-1.78e-05	0.0
146	53	-0.03	6.30e-03	-0.13	-1.63e-03	-1.32e-04	0.0
146	54	-0.03	-0.02	-0.25	-2.93e-04	-9.56e-05	0.0
146	55	0.02	0.02	-0.25	-2.30e-04	-5.45e-05	0.0
146	56	0.03	-6.23e-03	-0.36	1.02e-03	-1.76e-05	0.0
146	57	-0.04	6.43e-03	-0.13	-1.59e-03	-1.32e-04	0.0
146	58	-0.03	-0.02	-0.25	-3.38e-04	-9.54e-05	0.0
146	59	-6.40e-03	0.05	-0.02	-2.32e-03	-1.24e-04	0.0
146	60	0.02	-0.05	-0.44	2.14e-03	-1.99e-06	0.0
146	61	-0.02	0.05	-0.06	-2.71e-03	-1.48e-04	0.0
146	62	6.07e-03	-0.05	-0.47	1.75e-03	-2.60e-05	0.0
146	63	-6.62e-03	0.05	-0.06	-2.31e-03	-1.24e-04	0.0
146	64	0.02	-0.05	-0.47	2.15e-03	-2.32e-06	0.0
146	65	-0.02	0.05	-0.02	-2.72e-03	-1.48e-04	0.0
146	66	6.30e-03	-0.05	-0.44	1.74e-03	-2.57e-05	0.0
146	67	-7.50e-03	0.05	-0.04	-2.17e-03	-1.25e-04	0.0
146	68	0.03	-0.05	-0.43	1.99e-03	-1.35e-06	0.0
146	69	-0.03	0.05	-0.07	-2.56e-03	-1.49e-04	0.0
146	70	7.17e-03	-0.05	-0.46	1.60e-03	-2.53e-05	0.0
146	71	-7.72e-03	0.05	-0.07	-2.16e-03	-1.25e-04	0.0
146	72	0.03	-0.05	-0.46	2.00e-03	-1.68e-06	0.0
146	73	-0.03	0.05	-0.04	-2.57e-03	-1.48e-04	0.0
146	74	7.39e-03	-0.05	-0.43	1.59e-03	-2.50e-05	0.0
146	75	0.02	0.02	-0.15	-3.05e-04	-5.70e-05	0.0
146	76	0.03	-4.91e-03	-0.25	8.01e-04	-2.67e-05	0.0
146	77	-0.03	5.11e-03	-0.25	-1.37e-03	-1.23e-04	0.0
146	78	-0.02	-0.02	-0.35	-2.63e-04	-9.29e-05	0.0
146	79	0.02	0.02	-0.15	-2.68e-04	-5.71e-05	0.0
146	80	0.03	-5.02e-03	-0.25	7.64e-04	-2.66e-05	0.0
146	81	-0.03	5.22e-03	-0.25	-1.33e-03	-1.23e-04	0.0
146	82	-0.02	-0.02	-0.35	-3.01e-04	-9.28e-05	0.0
146	83	0.02	0.02	-0.25	-2.77e-04	-5.79e-05	0.0
146	84	0.03	-5.01e-03	-0.35	8.30e-04	-2.77e-05	0.0
146	85	-0.03	5.20e-03	-0.15	-1.40e-03	-1.22e-04	0.0
146	86	-0.02	-0.02	-0.25	-2.92e-04	-9.20e-05	0.0
146	87	0.02	0.02	-0.25	-2.39e-04	-5.81e-05	0.0
146	88	0.03	-5.12e-03	-0.34	7.93e-04	-2.75e-05	0.0
146	89	-0.03	5.31e-03	-0.15	-1.36e-03	-1.22e-04	0.0
146	90	-0.02	-0.02	-0.25	-3.29e-04	-9.19e-05	0.0
146	91	-5.32e-03	0.04	-0.06	-1.97e-03	-1.15e-04	0.0
146	92	0.02	-0.04	-0.41	1.72e-03	-1.46e-05	0.0
146	93	-0.02	0.04	-0.09	-2.29e-03	-1.35e-04	0.0
146	94	4.99e-03	-0.04	-0.44	1.40e-03	-3.45e-05	0.0
146	95	-5.50e-03	0.04	-0.09	-1.96e-03	-1.16e-04	0.0
146	96	0.02	-0.04	-0.44	1.73e-03	-1.49e-05	0.0
146	97	-0.02	0.04	-0.06	-2.30e-03	-1.35e-04	0.0
146	98	5.17e-03	-0.04	-0.41	1.39e-03	-3.42e-05	0.0
146	99	-6.23e-03	0.04	-0.07	-1.84e-03	-1.16e-04	0.0
146	100	0.02	-0.04	-0.40	1.60e-03	-1.41e-05	0.0
146	101	-0.02	0.04	-0.10	-2.16e-03	-1.36e-04	0.0
146	102	5.90e-03	-0.04	-0.42	1.28e-03	-3.40e-05	0.0
146	103	-6.41e-03	0.04	-0.10	-1.84e-03	-1.16e-04	0.0
146	104	0.02	-0.04	-0.42	1.60e-03	-1.44e-05	0.0
146	105	-0.02	0.04	-0.07	-2.17e-03	-1.36e-04	0.0
146	106	6.08e-03	-0.04	-0.40	1.27e-03	-3.37e-05	0.0

147	1	-6.12e-05	3.83e-04	-0.27	-1.42e-04	-6.10e-05	0.0
147	2	-3.59e-04	-3.13e-05	-0.39	-5.88e-04	-1.31e-04	0.0
147	3	-4.15e-05	3.02e-04	-0.21	-1.01e-04	-4.56e-05	0.0
147	4	-3.39e-04	-1.12e-04	-0.33	-5.47e-04	-1.16e-04	0.0
147	5	-4.47e-05	2.98e-04	-0.21	-1.06e-04	-4.63e-05	0.0
147	6	-2.43e-04	2.18e-05	-0.29	-4.03e-04	-9.31e-05	0.0
147	7	-4.47e-05	2.98e-04	-0.21	-1.06e-04	-4.63e-05	0.0
147	8	-1.84e-04	1.05e-04	-0.26	-3.14e-04	-7.91e-05	0.0
147	9	-4.47e-05	2.98e-04	-0.21	-1.06e-04	-4.63e-05	0.0
147	10	-1.64e-04	1.32e-04	-0.26	-2.84e-04	-7.44e-05	0.0
147	11	0.03	0.03	-0.11	-3.14e-04	-4.63e-05	0.0
147	12	0.04	-0.01	-0.26	1.38e-03	0.0	0.0
147	13	-0.05	0.01	-0.26	-1.94e-03	-1.49e-04	0.0
147	14	-0.03	-0.03	-0.41	-2.54e-04	-1.03e-04	0.0
147	15	0.03	0.03	-0.11	-2.57e-04	-4.65e-05	0.0
147	16	0.05	-0.01	-0.25	1.32e-03	0.0	0.0
147	17	-0.05	0.01	-0.26	-1.89e-03	-1.49e-04	0.0
147	18	-0.03	-0.03	-0.40	-3.12e-04	-1.02e-04	0.0
147	19	0.03	0.03	-0.11	-2.69e-04	-4.76e-05	0.0
147	20	0.04	-0.01	-0.26	1.42e-03	-1.46e-06	0.0
147	21	-0.04	0.01	-0.25	-1.99e-03	-1.47e-04	0.0
147	22	-0.03	-0.02	-0.41	-2.99e-04	-1.01e-04	0.0
147	23	0.03	0.03	-0.11	-2.12e-04	-4.78e-05	0.0
147	24	0.04	-0.01	-0.26	1.36e-03	-1.28e-06	0.0
147	25	-0.04	0.01	-0.26	-1.93e-03	-1.48e-04	0.0
147	26	-0.03	-0.03	-0.40	-3.56e-04	-1.01e-04	0.0
147	27	-8.14e-03	0.07	0.02	-2.86e-03	-1.36e-04	0.0
147	28	0.03	-0.06	-0.49	2.78e-03	1.78e-05	0.0
147	29	-0.03	0.06	-0.02	-3.34e-03	-1.67e-04	0.0
147	30	7.81e-03	-0.06	-0.53	2.29e-03	-1.29e-05	0.0
147	31	-8.38e-03	0.07	0.02	-2.84e-03	-1.36e-04	0.0
147	32	0.03	-0.06	-0.49	2.79e-03	1.75e-05	0.0
147	33	-0.03	0.06	-0.02	-3.36e-03	-1.66e-04	0.0
147	34	8.05e-03	-0.06	-0.53	2.27e-03	-1.25e-05	0.0
147	35	-9.51e-03	0.07	3.29e-03	-2.66e-03	-1.37e-04	0.0
147	36	0.03	-0.06	-0.47	2.59e-03	1.84e-05	0.0
147	37	-0.03	0.06	-0.04	-3.15e-03	-1.67e-04	0.0
147	38	9.18e-03	-0.07	-0.52	2.10e-03	-1.23e-05	0.0
147	39	-9.76e-03	0.07	2.50e-03	-2.65e-03	-1.37e-04	0.0
147	40	0.03	-0.06	-0.47	2.60e-03	1.80e-05	0.0
147	41	-0.03	0.06	-0.04	-3.17e-03	-1.67e-04	0.0
147	42	9.43e-03	-0.07	-0.52	2.08e-03	-1.19e-05	0.0
147	43	0.03	0.02	-0.14	-3.10e-04	-5.26e-05	0.0
147	44	0.04	-9.63e-03	-0.26	1.03e-03	-1.61e-05	0.0
147	45	-0.04	9.89e-03	-0.25	-1.60e-03	-1.33e-04	0.0
147	46	-0.03	-0.02	-0.38	-2.58e-04	-9.62e-05	0.0
147	47	0.03	0.02	-0.14	-2.65e-04	-5.27e-05	0.0
147	48	0.04	-0.01	-0.25	9.83e-04	-1.60e-05	0.0
147	49	-0.04	0.01	-0.26	-1.55e-03	-1.33e-04	0.0
147	50	-0.03	-0.02	-0.37	-3.03e-04	-9.61e-05	0.0
147	51	0.03	0.02	-0.14	-2.75e-04	-5.36e-05	0.0
147	52	0.03	-0.01	-0.26	1.06e-03	-1.71e-05	0.0
147	53	-0.03	0.01	-0.25	-1.63e-03	-1.32e-04	0.0
147	54	-0.03	-0.02	-0.37	-2.93e-04	-9.52e-05	0.0
147	55	0.02	0.02	-0.14	-2.30e-04	-5.37e-05	0.0
147	56	0.03	-0.01	-0.26	1.02e-03	-1.69e-05	0.0
147	57	-0.04	0.01	-0.26	-1.59e-03	-1.32e-04	0.0
147	58	-0.03	-0.02	-0.37	-3.38e-04	-9.51e-05	0.0
147	59	-6.40e-03	0.05	-0.04	-2.32e-03	-1.23e-04	0.0
147	60	0.02	-0.05	-0.44	2.14e-03	-1.55e-06	0.0
147	61	-0.02	0.05	-0.07	-2.71e-03	-1.47e-04	0.0
147	62	6.08e-03	-0.05	-0.48	1.75e-03	-2.56e-05	0.0
147	63	-6.62e-03	0.05	-0.04	-2.31e-03	-1.24e-04	0.0
147	64	0.02	-0.05	-0.44	2.15e-03	-1.84e-06	0.0
147	65	-0.02	0.05	-0.07	-2.72e-03	-1.47e-04	0.0
147	66	6.30e-03	-0.05	-0.48	1.74e-03	-2.53e-05	0.0
147	67	-7.50e-03	0.05	-0.05	-2.17e-03	-1.24e-04	0.0
147	68	0.03	-0.05	-0.43	1.99e-03	-1.10e-06	0.0
147	69	-0.03	0.05	-0.09	-2.56e-03	-1.48e-04	0.0
147	70	7.18e-03	-0.05	-0.46	1.60e-03	-2.51e-05	0.0
147	71	-7.72e-03	0.05	-0.05	-2.16e-03	-1.24e-04	0.0
147	72	0.03	-0.05	-0.43	2.00e-03	-1.39e-06	0.0

147	73	-0.03	0.05	-0.09	-2.57e-03	-1.47e-04	0.0
147	74	7.40e-03	-0.05	-0.46	1.59e-03	-2.48e-05	0.0
147	75	0.02	0.02	-0.16	-3.05e-04	-5.63e-05	0.0
147	76	0.03	-7.92e-03	-0.26	8.02e-04	-2.62e-05	0.0
147	77	-0.03	8.19e-03	-0.26	-1.37e-03	-1.23e-04	0.0
147	78	-0.02	-0.02	-0.36	-2.63e-04	-9.25e-05	0.0
147	79	0.02	0.02	-0.16	-2.67e-04	-5.65e-05	0.0
147	80	0.03	-8.26e-03	-0.25	7.64e-04	-2.61e-05	0.0
147	81	-0.03	8.52e-03	-0.26	-1.33e-03	-1.23e-04	0.0
147	82	-0.02	-0.02	-0.35	-3.01e-04	-9.24e-05	0.0
147	83	0.02	0.02	-0.16	-2.76e-04	-5.72e-05	0.0
147	84	0.03	-8.34e-03	-0.26	8.30e-04	-2.70e-05	0.0
147	85	-0.03	8.61e-03	-0.25	-1.40e-03	-1.22e-04	0.0
147	86	-0.02	-0.02	-0.35	-2.92e-04	-9.17e-05	0.0
147	87	0.02	0.02	-0.16	-2.39e-04	-5.73e-05	0.0
147	88	0.03	-8.68e-03	-0.26	7.93e-04	-2.69e-05	0.0
147	89	-0.03	8.94e-03	-0.26	-1.36e-03	-1.22e-04	0.0
147	90	-0.02	-0.02	-0.35	-3.30e-04	-9.15e-05	0.0
147	91	-5.32e-03	0.04	-0.08	-1.97e-03	-1.15e-04	0.0
147	92	0.02	-0.04	-0.41	1.72e-03	-1.42e-05	0.0
147	93	-0.02	0.04	-0.10	-2.29e-03	-1.35e-04	0.0
147	94	4.99e-03	-0.04	-0.44	1.40e-03	-3.41e-05	0.0
147	95	-5.50e-03	0.04	-0.08	-1.96e-03	-1.15e-04	0.0
147	96	0.02	-0.04	-0.41	1.73e-03	-1.44e-05	0.0
147	97	-0.02	0.04	-0.10	-2.30e-03	-1.34e-04	0.0
147	98	5.17e-03	-0.04	-0.44	1.39e-03	-3.38e-05	0.0
147	99	-6.23e-03	0.04	-0.09	-1.84e-03	-1.15e-04	0.0
147	100	0.02	-0.04	-0.40	1.59e-03	-1.38e-05	0.0
147	101	-0.02	0.04	-0.12	-2.16e-03	-1.35e-04	0.0
147	102	5.90e-03	-0.04	-0.43	1.28e-03	-3.37e-05	0.0
147	103	-6.41e-03	0.04	-0.09	-1.83e-03	-1.15e-04	0.0
147	104	0.02	-0.04	-0.40	1.60e-03	-1.41e-05	0.0
147	105	-0.02	0.04	-0.12	-2.17e-03	-1.35e-04	0.0
147	106	6.08e-03	-0.04	-0.43	1.27e-03	-3.34e-05	0.0
148	1	-1.78e-04	4.75e-04	-0.26	-1.01e-04	2.31e-05	0.0
148	2	3.04e-04	-2.31e-05	-0.40	-4.69e-04	4.43e-05	0.0
148	3	-1.46e-04	3.75e-04	-0.20	-7.04e-05	1.74e-05	0.0
148	4	3.36e-04	-1.23e-04	-0.34	-4.39e-04	3.85e-05	0.0
148	5	-1.41e-04	3.69e-04	-0.20	-7.43e-05	1.76e-05	0.0
148	6	1.80e-04	3.74e-05	-0.30	-3.20e-04	3.17e-05	0.0
148	7	-1.41e-04	3.69e-04	-0.20	-7.43e-05	1.76e-05	0.0
148	8	8.40e-05	1.37e-04	-0.27	-2.46e-04	2.75e-05	0.0
148	9	-1.41e-04	3.69e-04	-0.20	-7.43e-05	1.76e-05	0.0
148	10	5.19e-05	1.70e-04	-0.26	-2.22e-04	2.61e-05	0.0
148	11	0.03	0.04	-0.25	-2.20e-04	3.92e-04	0.0
148	12	0.05	0.01	-0.35	8.57e-04	4.82e-04	0.0
148	13	-0.05	-9.82e-03	-0.17	-1.30e-03	-4.30e-04	0.0
148	14	-0.03	-0.04	-0.26	-2.24e-04	-3.40e-04	0.0
148	15	0.03	0.04	-0.26	-2.02e-04	3.85e-04	0.0
148	16	0.05	0.01	-0.35	8.39e-04	4.89e-04	0.0
148	17	-0.05	-0.01	-0.17	-1.28e-03	-4.37e-04	0.0
148	18	-0.03	-0.04	-0.26	-2.41e-04	-3.33e-04	0.0
148	19	0.03	0.04	-0.26	-1.87e-04	4.02e-04	0.0
148	20	0.05	0.01	-0.35	8.90e-04	4.92e-04	0.0
148	21	-0.05	-0.01	-0.16	-1.33e-03	-4.40e-04	0.0
148	22	-0.03	-0.04	-0.26	-2.57e-04	-3.50e-04	0.0
148	23	0.03	0.04	-0.26	-1.69e-04	3.95e-04	0.0
148	24	0.05	0.01	-0.35	8.73e-04	4.99e-04	0.0
148	25	-0.05	-0.01	-0.16	-1.32e-03	-4.47e-04	0.0
148	26	-0.03	-0.04	-0.26	-2.75e-04	-3.43e-04	0.0
148	27	-0.01	0.06	-0.11	-1.85e-03	-1.28e-06	0.0
148	28	0.04	-0.04	-0.43	1.74e-03	3.00e-04	0.0
148	29	-0.04	0.04	-0.08	-2.18e-03	-2.48e-04	0.0
148	30	0.01	-0.06	-0.41	1.41e-03	5.34e-05	0.0
148	31	-0.01	0.06	-0.11	-1.84e-03	1.81e-06	0.0
148	32	0.04	-0.04	-0.43	1.75e-03	3.03e-04	0.0
148	33	-0.04	0.04	-0.08	-2.19e-03	-2.51e-04	0.0
148	34	0.01	-0.06	-0.41	1.40e-03	5.03e-05	0.0
148	35	-0.01	0.05	-0.12	-1.80e-03	-2.38e-05	0.0
148	36	0.04	-0.04	-0.43	1.68e-03	3.22e-04	0.0
148	37	-0.04	0.04	-0.09	-2.12e-03	-2.70e-04	0.0
148	38	0.01	-0.05	-0.40	1.35e-03	7.60e-05	0.0

148	39	-0.01	0.05	-0.12	-1.79e-03	-2.07e-05	0.0
148	40	0.04	-0.04	-0.43	1.69e-03	3.26e-04	0.0
148	41	-0.04	0.04	-0.09	-2.13e-03	-2.73e-04	0.0
148	42	0.01	-0.05	-0.40	1.34e-03	7.29e-05	0.0
148	43	0.03	0.03	-0.25	-2.20e-04	3.15e-04	0.0
148	44	0.04	8.01e-03	-0.33	6.33e-04	3.87e-04	0.0
148	45	-0.04	-7.67e-03	-0.19	-1.08e-03	-3.35e-04	0.0
148	46	-0.03	-0.03	-0.26	-2.23e-04	-2.63e-04	0.0
148	47	0.03	0.03	-0.26	-2.07e-04	3.10e-04	0.0
148	48	0.04	8.67e-03	-0.33	6.19e-04	3.92e-04	0.0
148	49	-0.04	-8.33e-03	-0.19	-1.06e-03	-3.40e-04	0.0
148	50	-0.02	-0.03	-0.26	-2.37e-04	-2.58e-04	0.0
148	51	0.02	0.03	-0.26	-1.94e-04	3.23e-04	0.0
148	52	0.04	8.21e-03	-0.33	6.60e-04	3.95e-04	0.0
148	53	-0.04	-7.87e-03	-0.18	-1.10e-03	-3.43e-04	0.0
148	54	-0.02	-0.03	-0.26	-2.50e-04	-2.71e-04	0.0
148	55	0.02	0.03	-0.26	-1.80e-04	3.18e-04	0.0
148	56	0.04	8.87e-03	-0.33	6.46e-04	4.00e-04	0.0
148	57	-0.04	-8.53e-03	-0.18	-1.09e-03	-3.48e-04	0.0
148	58	-0.02	-0.03	-0.26	-2.64e-04	-2.66e-04	0.0
148	59	-9.56e-03	0.04	-0.14	-1.52e-03	4.58e-06	0.0
148	60	0.03	-0.03	-0.40	1.33e-03	2.43e-04	0.0
148	61	-0.03	0.03	-0.12	-1.77e-03	-1.90e-04	0.0
148	62	9.67e-03	-0.04	-0.38	1.07e-03	4.76e-05	0.0
148	63	-9.81e-03	0.04	-0.14	-1.51e-03	6.99e-06	0.0
148	64	0.03	-0.03	-0.40	1.34e-03	2.45e-04	0.0
148	65	-0.03	0.03	-0.12	-1.78e-03	-1.93e-04	0.0
148	66	9.92e-03	-0.04	-0.38	1.06e-03	4.52e-05	0.0
148	67	-0.01	0.04	-0.15	-1.47e-03	-1.33e-05	0.0
148	68	0.03	-0.03	-0.39	1.28e-03	2.60e-04	0.0
148	69	-0.03	0.03	-0.12	-1.73e-03	-2.08e-04	0.0
148	70	0.01	-0.04	-0.37	1.03e-03	6.54e-05	0.0
148	71	-0.01	0.04	-0.15	-1.46e-03	-1.09e-05	0.0
148	72	0.03	-0.03	-0.39	1.29e-03	2.63e-04	0.0
148	73	-0.03	0.03	-0.12	-1.73e-03	-2.11e-04	0.0
148	74	0.01	-0.04	-0.37	1.02e-03	6.30e-05	0.0
148	75	0.02	0.03	-0.26	-2.21e-04	2.65e-04	0.0
148	76	0.03	6.67e-03	-0.32	4.85e-04	3.24e-04	0.0
148	77	-0.03	-6.33e-03	-0.20	-9.28e-04	-2.72e-04	0.0
148	78	-0.02	-0.03	-0.26	-2.23e-04	-2.13e-04	0.0
148	79	0.02	0.02	-0.26	-2.09e-04	2.61e-04	0.0
148	80	0.03	7.22e-03	-0.32	4.73e-04	3.29e-04	0.0
148	81	-0.03	-6.88e-03	-0.20	-9.17e-04	-2.77e-04	0.0
148	82	-0.02	-0.02	-0.26	-2.34e-04	-2.09e-04	0.0
148	83	0.02	0.03	-0.26	-1.99e-04	2.72e-04	0.0
148	84	0.03	6.84e-03	-0.32	5.07e-04	3.31e-04	0.0
148	85	-0.03	-6.50e-03	-0.20	-9.50e-04	-2.79e-04	0.0
148	86	-0.02	-0.03	-0.26	-2.45e-04	-2.20e-04	0.0
148	87	0.02	0.03	-0.26	-1.87e-04	2.68e-04	0.0
148	88	0.03	7.38e-03	-0.32	4.95e-04	3.35e-04	0.0
148	89	-0.03	-7.04e-03	-0.20	-9.39e-04	-2.83e-04	0.0
148	90	-0.02	-0.02	-0.26	-2.56e-04	-2.15e-04	0.0
148	91	-7.89e-03	0.04	-0.16	-1.29e-03	8.32e-06	0.0
148	92	0.02	-0.03	-0.37	1.06e-03	2.05e-04	0.0
148	93	-0.02	0.03	-0.14	-1.50e-03	-1.53e-04	0.0
148	94	8.00e-03	-0.04	-0.36	8.48e-04	4.38e-05	0.0
148	95	-8.10e-03	0.04	-0.16	-1.28e-03	1.03e-05	0.0
148	96	0.02	-0.03	-0.37	1.07e-03	2.07e-04	0.0
148	97	-0.02	0.03	-0.14	-1.51e-03	-1.55e-04	0.0
148	98	8.20e-03	-0.04	-0.35	8.41e-04	4.18e-05	0.0
148	99	-8.64e-03	0.03	-0.17	-1.25e-03	-6.44e-06	0.0
148	100	0.02	-0.02	-0.37	1.02e-03	2.20e-04	0.0
148	101	-0.02	0.02	-0.15	-1.47e-03	-1.68e-04	0.0
148	102	8.74e-03	-0.03	-0.35	8.09e-04	5.86e-05	0.0
148	103	-8.84e-03	0.03	-0.17	-1.25e-03	-4.46e-06	0.0
148	104	0.02	-0.02	-0.37	1.03e-03	2.22e-04	0.0
148	105	-0.02	0.02	-0.15	-1.47e-03	-1.70e-04	0.0
148	106	8.95e-03	-0.03	-0.35	8.03e-04	5.66e-05	0.0
149	1	-1.78e-04	5.10e-04	-0.26	-1.00e-04	2.31e-05	0.0
149	2	3.04e-04	-1.14e-04	-0.40	-4.68e-04	4.42e-05	0.0
149	3	-1.46e-04	4.04e-04	-0.20	-7.02e-05	1.74e-05	0.0
149	4	3.36e-04	-2.20e-04	-0.34	-4.38e-04	3.85e-05	0.0

149	5	-1.41e-04	3.98e-04	-0.20	-7.41e-05	1.76e-05	0.0
149	6	1.81e-04	-1.84e-05	-0.29	-3.19e-04	3.17e-05	0.0
149	7	-1.41e-04	3.98e-04	-0.20	-7.41e-05	1.76e-05	0.0
149	8	8.41e-05	1.06e-04	-0.27	-2.46e-04	2.75e-05	0.0
149	9	-1.41e-04	3.98e-04	-0.20	-7.41e-05	1.76e-05	0.0
149	10	5.20e-05	1.48e-04	-0.26	-2.21e-04	2.61e-05	0.0
149	11	0.03	0.04	-0.24	-2.19e-04	3.92e-04	0.0
149	12	0.05	7.17e-03	-0.34	8.57e-04	4.83e-04	0.0
149	13	-0.05	-6.88e-03	-0.18	-1.30e-03	-4.30e-04	0.0
149	14	-0.03	-0.04	-0.27	-2.23e-04	-3.40e-04	0.0
149	15	0.03	0.04	-0.24	-2.02e-04	3.85e-04	0.0
149	16	0.05	7.87e-03	-0.34	8.39e-04	4.89e-04	0.0
149	17	-0.05	-7.57e-03	-0.18	-1.28e-03	-4.37e-04	0.0
149	18	-0.03	-0.04	-0.27	-2.41e-04	-3.33e-04	0.0
149	19	0.03	0.04	-0.24	-1.86e-04	4.02e-04	0.0
149	20	0.05	7.48e-03	-0.34	8.90e-04	4.93e-04	0.0
149	21	-0.05	-7.18e-03	-0.17	-1.33e-03	-4.41e-04	0.0
149	22	-0.03	-0.04	-0.27	-2.57e-04	-3.50e-04	0.0
149	23	0.03	0.04	-0.24	-1.68e-04	3.96e-04	0.0
149	24	0.05	8.17e-03	-0.34	8.73e-04	5.00e-04	0.0
149	25	-0.05	-7.88e-03	-0.18	-1.32e-03	-4.47e-04	0.0
149	26	-0.03	-0.04	-0.27	-2.74e-04	-3.44e-04	0.0
149	27	-0.01	0.06	-0.11	-1.85e-03	-1.40e-06	0.0
149	28	0.04	-0.04	-0.43	1.73e-03	3.00e-04	0.0
149	29	-0.04	0.04	-0.09	-2.18e-03	-2.48e-04	0.0
149	30	0.01	-0.06	-0.41	1.41e-03	5.35e-05	0.0
149	31	-0.01	0.06	-0.11	-1.84e-03	1.69e-06	0.0
149	32	0.04	-0.04	-0.43	1.74e-03	3.03e-04	0.0
149	33	-0.04	0.04	-0.09	-2.19e-03	-2.51e-04	0.0
149	34	0.01	-0.06	-0.41	1.40e-03	5.04e-05	0.0
149	35	-0.01	0.06	-0.11	-1.79e-03	-2.35e-05	0.0
149	36	0.04	-0.04	-0.42	1.68e-03	3.22e-04	0.0
149	37	-0.04	0.04	-0.09	-2.12e-03	-2.70e-04	0.0
149	38	0.01	-0.06	-0.40	1.35e-03	7.56e-05	0.0
149	39	-0.01	0.06	-0.11	-1.78e-03	-2.04e-05	0.0
149	40	0.04	-0.04	-0.42	1.69e-03	3.26e-04	0.0
149	41	-0.04	0.04	-0.09	-2.13e-03	-2.73e-04	0.0
149	42	0.01	-0.06	-0.40	1.34e-03	7.25e-05	0.0
149	43	0.03	0.03	-0.25	-2.20e-04	3.16e-04	0.0
149	44	0.04	5.63e-03	-0.32	6.33e-04	3.87e-04	0.0
149	45	-0.04	-5.33e-03	-0.19	-1.08e-03	-3.35e-04	0.0
149	46	-0.03	-0.03	-0.27	-2.23e-04	-2.64e-04	0.0
149	47	0.03	0.03	-0.25	-2.06e-04	3.10e-04	0.0
149	48	0.04	6.18e-03	-0.32	6.19e-04	3.92e-04	0.0
149	49	-0.04	-5.88e-03	-0.19	-1.06e-03	-3.40e-04	0.0
149	50	-0.02	-0.03	-0.27	-2.37e-04	-2.58e-04	0.0
149	51	0.02	0.03	-0.25	-1.93e-04	3.24e-04	0.0
149	52	0.04	5.83e-03	-0.32	6.60e-04	3.95e-04	0.0
149	53	-0.04	-5.54e-03	-0.19	-1.10e-03	-3.43e-04	0.0
149	54	-0.02	-0.03	-0.27	-2.49e-04	-2.72e-04	0.0
149	55	0.02	0.03	-0.25	-1.79e-04	3.18e-04	0.0
149	56	0.04	6.39e-03	-0.32	6.46e-04	4.00e-04	0.0
149	57	-0.04	-6.09e-03	-0.19	-1.09e-03	-3.48e-04	0.0
149	58	-0.02	-0.03	-0.27	-2.63e-04	-2.66e-04	0.0
149	59	-9.57e-03	0.05	-0.14	-1.51e-03	4.48e-06	0.0
149	60	0.03	-0.04	-0.39	1.33e-03	2.43e-04	0.0
149	61	-0.03	0.04	-0.12	-1.77e-03	-1.91e-04	0.0
149	62	9.67e-03	-0.05	-0.38	1.07e-03	4.76e-05	0.0
149	63	-9.82e-03	0.05	-0.14	-1.51e-03	6.89e-06	0.0
149	64	0.03	-0.04	-0.39	1.34e-03	2.45e-04	0.0
149	65	-0.03	0.04	-0.12	-1.78e-03	-1.93e-04	0.0
149	66	9.92e-03	-0.05	-0.38	1.06e-03	4.52e-05	0.0
149	67	-0.01	0.04	-0.14	-1.47e-03	-1.30e-05	0.0
149	68	0.03	-0.03	-0.39	1.28e-03	2.60e-04	0.0
149	69	-0.03	0.03	-0.13	-1.72e-03	-2.08e-04	0.0
149	70	0.01	-0.04	-0.37	1.03e-03	6.52e-05	0.0
149	71	-0.01	0.04	-0.14	-1.46e-03	-1.06e-05	0.0
149	72	0.03	-0.03	-0.39	1.29e-03	2.63e-04	0.0
149	73	-0.03	0.03	-0.13	-1.73e-03	-2.11e-04	0.0
149	74	0.01	-0.04	-0.37	1.02e-03	6.28e-05	0.0
149	75	0.02	0.02	-0.25	-2.20e-04	2.66e-04	0.0
149	76	0.03	4.70e-03	-0.31	4.85e-04	3.25e-04	0.0

149	77	-0.03	-4.40e-03	-0.20	-9.27e-04	-2.73e-04	0.0
149	78	-0.02	-0.02	-0.27	-2.23e-04	-2.13e-04	0.0
149	79	0.02	0.02	-0.25	-2.08e-04	2.61e-04	0.0
149	80	0.03	5.16e-03	-0.31	4.73e-04	3.29e-04	0.0
149	81	-0.03	-4.86e-03	-0.20	-9.16e-04	-2.77e-04	0.0
149	82	-0.02	-0.02	-0.27	-2.34e-04	-2.09e-04	0.0
149	83	0.02	0.03	-0.25	-1.98e-04	2.72e-04	0.0
149	84	0.03	4.87e-03	-0.31	5.07e-04	3.31e-04	0.0
149	85	-0.03	-4.57e-03	-0.20	-9.49e-04	-2.79e-04	0.0
149	86	-0.02	-0.02	-0.27	-2.45e-04	-2.20e-04	0.0
149	87	0.02	0.02	-0.25	-1.86e-04	2.68e-04	0.0
149	88	0.03	5.33e-03	-0.31	4.95e-04	3.36e-04	0.0
149	89	-0.03	-5.03e-03	-0.20	-9.38e-04	-2.84e-04	0.0
149	90	-0.02	-0.02	-0.27	-2.56e-04	-2.16e-04	0.0
149	91	-7.89e-03	0.04	-0.16	-1.29e-03	8.23e-06	0.0
149	92	0.02	-0.03	-0.37	1.06e-03	2.05e-04	0.0
149	93	-0.02	0.03	-0.15	-1.50e-03	-1.53e-04	0.0
149	94	8.00e-03	-0.04	-0.36	8.47e-04	4.39e-05	0.0
149	95	-8.10e-03	0.04	-0.16	-1.28e-03	1.02e-05	0.0
149	96	0.02	-0.03	-0.37	1.07e-03	2.07e-04	0.0
149	97	-0.02	0.03	-0.15	-1.51e-03	-1.55e-04	0.0
149	98	8.21e-03	-0.04	-0.36	8.41e-04	4.19e-05	0.0
149	99	-8.64e-03	0.04	-0.16	-1.25e-03	-6.25e-06	0.0
149	100	0.02	-0.03	-0.37	1.02e-03	2.20e-04	0.0
149	101	-0.02	0.03	-0.15	-1.46e-03	-1.68e-04	0.0
149	102	8.74e-03	-0.04	-0.35	8.09e-04	5.84e-05	0.0
149	103	-8.85e-03	0.04	-0.16	-1.24e-03	-4.27e-06	0.0
149	104	0.02	-0.03	-0.37	1.03e-03	2.22e-04	0.0
149	105	-0.02	0.03	-0.15	-1.47e-03	-1.70e-04	0.0
149	106	8.95e-03	-0.04	-0.35	8.02e-04	5.64e-05	0.0
150	1	-1.78e-04	4.40e-04	-0.27	-1.01e-04	2.29e-05	0.0
150	2	3.03e-04	6.20e-05	-0.41	-4.69e-04	4.32e-05	0.0
150	3	-1.46e-04	3.45e-04	-0.20	-7.04e-05	1.72e-05	0.0
150	4	3.35e-04	-3.23e-05	-0.34	-4.39e-04	3.76e-05	0.0
150	5	-1.41e-04	3.41e-04	-0.20	-7.43e-05	1.74e-05	0.0
150	6	1.80e-04	8.95e-05	-0.30	-3.20e-04	3.10e-05	0.0
150	7	-1.41e-04	3.41e-04	-0.20	-7.43e-05	1.74e-05	0.0
150	8	8.38e-05	1.65e-04	-0.27	-2.46e-04	2.69e-05	0.0
150	9	-1.41e-04	3.41e-04	-0.20	-7.43e-05	1.74e-05	0.0
150	10	5.17e-05	1.90e-04	-0.26	-2.22e-04	2.56e-05	0.0
150	11	0.03	0.04	-0.27	-2.20e-04	3.92e-04	0.0
150	12	0.05	0.01	-0.37	8.58e-04	4.82e-04	0.0
150	13	-0.05	-0.01	-0.15	-1.30e-03	-4.31e-04	0.0
150	14	-0.03	-0.04	-0.25	-2.23e-04	-3.41e-04	0.0
150	15	0.03	0.04	-0.27	-2.03e-04	3.85e-04	0.0
150	16	0.05	0.01	-0.37	8.40e-04	4.89e-04	0.0
150	17	-0.05	-0.01	-0.15	-1.28e-03	-4.38e-04	0.0
150	18	-0.03	-0.04	-0.25	-2.41e-04	-3.34e-04	0.0
150	19	0.03	0.04	-0.28	-1.87e-04	4.02e-04	0.0
150	20	0.05	0.01	-0.37	8.91e-04	4.93e-04	0.0
150	21	-0.05	-0.01	-0.15	-1.33e-03	-4.42e-04	0.0
150	22	-0.03	-0.04	-0.24	-2.57e-04	-3.51e-04	0.0
150	23	0.03	0.04	-0.28	-1.69e-04	3.95e-04	0.0
150	24	0.05	0.01	-0.37	8.74e-04	4.99e-04	0.0
150	25	-0.05	-0.01	-0.15	-1.32e-03	-4.48e-04	0.0
150	26	-0.03	-0.04	-0.24	-2.74e-04	-3.44e-04	0.0
150	27	-0.01	0.05	-0.12	-1.86e-03	-1.92e-06	0.0
150	28	0.04	-0.04	-0.44	1.74e-03	3.00e-04	0.0
150	29	-0.04	0.04	-0.08	-2.18e-03	-2.49e-04	0.0
150	30	0.01	-0.05	-0.40	1.41e-03	5.31e-05	0.0
150	31	-0.01	0.05	-0.12	-1.85e-03	1.17e-06	0.0
150	32	0.04	-0.04	-0.44	1.75e-03	3.03e-04	0.0
150	33	-0.04	0.04	-0.08	-2.19e-03	-2.52e-04	0.0
150	34	0.01	-0.05	-0.40	1.40e-03	5.00e-05	0.0
150	35	-0.01	0.05	-0.12	-1.80e-03	-2.41e-05	0.0
150	36	0.04	-0.03	-0.43	1.68e-03	3.22e-04	0.0
150	37	-0.04	0.03	-0.09	-2.12e-03	-2.71e-04	0.0
150	38	0.01	-0.05	-0.40	1.35e-03	7.52e-05	0.0
150	39	-0.01	0.05	-0.12	-1.79e-03	-2.10e-05	0.0
150	40	0.04	-0.03	-0.43	1.69e-03	3.25e-04	0.0
150	41	-0.04	0.03	-0.08	-2.13e-03	-2.74e-04	0.0
150	42	0.01	-0.05	-0.40	1.34e-03	7.21e-05	0.0

150	43	0.03	0.03	-0.27	-2.21e-04	3.15e-04	0.0
150	44	0.04	0.01	-0.35	6.34e-04	3.87e-04	0.0
150	45	-0.04	-1.00e-02	-0.17	-1.08e-03	-3.36e-04	0.0
150	46	-0.03	-0.03	-0.25	-2.23e-04	-2.64e-04	0.0
150	47	0.03	0.03	-0.27	-2.07e-04	3.10e-04	0.0
150	48	0.04	0.01	-0.34	6.20e-04	3.92e-04	0.0
150	49	-0.04	-0.01	-0.18	-1.06e-03	-3.41e-04	0.0
150	50	-0.02	-0.03	-0.25	-2.37e-04	-2.59e-04	0.0
150	51	0.02	0.03	-0.27	-1.94e-04	3.23e-04	0.0
150	52	0.04	0.01	-0.35	6.60e-04	3.95e-04	0.0
150	53	-0.04	-0.01	-0.17	-1.10e-03	-3.44e-04	0.0
150	54	-0.02	-0.03	-0.25	-2.49e-04	-2.72e-04	0.0
150	55	0.02	0.03	-0.27	-1.80e-04	3.18e-04	0.0
150	56	0.04	0.01	-0.35	6.46e-04	4.00e-04	0.0
150	57	-0.04	-0.01	-0.17	-1.09e-03	-3.49e-04	0.0
150	58	-0.02	-0.03	-0.25	-2.63e-04	-2.67e-04	0.0
150	59	-9.56e-03	0.04	-0.15	-1.52e-03	3.97e-06	0.0
150	60	0.03	-0.03	-0.40	1.33e-03	2.43e-04	0.0
150	61	-0.03	0.03	-0.12	-1.77e-03	-1.91e-04	0.0
150	62	9.67e-03	-0.04	-0.37	1.07e-03	4.72e-05	0.0
150	63	-9.81e-03	0.04	-0.15	-1.51e-03	6.38e-06	0.0
150	64	0.03	-0.03	-0.40	1.34e-03	2.45e-04	0.0
150	65	-0.03	0.03	-0.12	-1.78e-03	-1.94e-04	0.0
150	66	9.92e-03	-0.04	-0.37	1.07e-03	4.48e-05	0.0
150	67	-0.01	0.04	-0.15	-1.47e-03	-1.36e-05	0.0
150	68	0.03	-0.03	-0.40	1.28e-03	2.60e-04	0.0
150	69	-0.03	0.03	-0.12	-1.73e-03	-2.09e-04	0.0
150	70	0.01	-0.04	-0.37	1.03e-03	6.47e-05	0.0
150	71	-0.01	0.04	-0.15	-1.46e-03	-1.12e-05	0.0
150	72	0.03	-0.03	-0.40	1.29e-03	2.62e-04	0.0
150	73	-0.03	0.03	-0.12	-1.74e-03	-2.11e-04	0.0
150	74	0.01	-0.04	-0.37	1.02e-03	6.23e-05	0.0
150	75	0.02	0.03	-0.27	-2.21e-04	2.65e-04	0.0
150	76	0.03	8.64e-03	-0.33	4.85e-04	3.24e-04	0.0
150	77	-0.03	-8.25e-03	-0.19	-9.29e-04	-2.73e-04	0.0
150	78	-0.02	-0.03	-0.25	-2.23e-04	-2.14e-04	0.0
150	79	0.02	0.03	-0.27	-2.09e-04	2.61e-04	0.0
150	80	0.03	9.27e-03	-0.33	4.74e-04	3.29e-04	0.0
150	81	-0.03	-8.89e-03	-0.19	-9.17e-04	-2.78e-04	0.0
150	82	-0.02	-0.03	-0.25	-2.34e-04	-2.10e-04	0.0
150	83	0.02	0.03	-0.27	-1.99e-04	2.72e-04	0.0
150	84	0.03	8.79e-03	-0.33	5.07e-04	3.31e-04	0.0
150	85	-0.03	-8.41e-03	-0.19	-9.51e-04	-2.80e-04	0.0
150	86	-0.02	-0.03	-0.25	-2.45e-04	-2.21e-04	0.0
150	87	0.02	0.03	-0.27	-1.87e-04	2.67e-04	0.0
150	88	0.03	9.43e-03	-0.33	4.96e-04	3.35e-04	0.0
150	89	-0.03	-9.04e-03	-0.19	-9.39e-04	-2.84e-04	0.0
150	90	-0.02	-0.03	-0.25	-2.56e-04	-2.16e-04	0.0
150	91	-7.89e-03	0.03	-0.17	-1.29e-03	7.72e-06	0.0
150	92	0.02	-0.02	-0.38	1.06e-03	2.05e-04	0.0
150	93	-0.02	0.02	-0.14	-1.50e-03	-1.54e-04	0.0
150	94	7.99e-03	-0.03	-0.35	8.49e-04	4.34e-05	0.0
150	95	-8.10e-03	0.03	-0.17	-1.29e-03	9.71e-06	0.0
150	96	0.02	-0.02	-0.38	1.07e-03	2.07e-04	0.0
150	97	-0.02	0.02	-0.14	-1.51e-03	-1.56e-04	0.0
150	98	8.20e-03	-0.03	-0.35	8.42e-04	4.14e-05	0.0
150	99	-8.63e-03	0.03	-0.17	-1.25e-03	-6.77e-06	0.0
150	100	0.02	-0.02	-0.37	1.02e-03	2.19e-04	0.0
150	101	-0.02	0.02	-0.15	-1.47e-03	-1.68e-04	0.0
150	102	8.74e-03	-0.03	-0.35	8.11e-04	5.79e-05	0.0
150	103	-8.84e-03	0.03	-0.17	-1.25e-03	-4.79e-06	0.0
150	104	0.02	-0.02	-0.37	1.03e-03	2.21e-04	0.0
150	105	-0.02	0.02	-0.15	-1.47e-03	-1.70e-04	0.0
150	106	8.95e-03	-0.03	-0.35	8.04e-04	5.59e-05	0.0
151	1	-3.99e-05	-1.66e-04	-0.26	-6.94e-05	-9.79e-05	0.0
151	2	3.64e-04	-1.98e-04	-0.33	-3.50e-04	-5.86e-04	0.0
151	3	-3.83e-05	-1.27e-04	-0.20	-4.81e-05	-6.60e-05	0.0
151	4	3.65e-04	-1.59e-04	-0.27	-3.29e-04	-5.55e-04	0.0
151	5	-3.40e-05	-1.27e-04	-0.20	-5.11e-05	-7.13e-05	0.0
151	6	2.35e-04	-1.49e-04	-0.25	-2.38e-04	-3.97e-04	0.0
151	7	-3.40e-05	-1.27e-04	-0.20	-5.11e-05	-7.13e-05	0.0
151	8	1.54e-04	-1.42e-04	-0.23	-1.82e-04	-2.99e-04	0.0

151	9	-3.40e-05	-1.27e-04	-0.20	-5.11e-05	-7.13e-05	0.0
151	10	1.27e-04	-1.40e-04	-0.23	-1.63e-04	-2.67e-04	0.0
151	11	0.04	0.04	-0.29	6.20e-05	-1.31e-04	0.0
151	12	0.05	0.02	-0.35	5.41e-04	3.34e-04	0.0
151	13	-0.05	-0.02	-0.10	-8.67e-04	-8.68e-04	0.0
151	14	-0.04	-0.04	-0.16	-3.89e-04	-4.02e-04	0.0
151	15	0.04	0.04	-0.29	7.47e-05	-1.24e-04	0.0
151	16	0.05	0.02	-0.35	5.28e-04	3.28e-04	0.0
151	17	-0.05	-0.02	-0.11	-8.55e-04	-8.61e-04	0.0
151	18	-0.03	-0.04	-0.16	-4.01e-04	-4.09e-04	0.0
151	19	0.04	-0.02	-0.30	8.07e-05	-1.18e-04	0.0
151	20	0.05	-0.04	-0.36	5.59e-04	3.47e-04	0.0
151	21	-0.04	0.04	-0.10	-8.86e-04	-8.81e-04	0.0
151	22	-0.03	0.02	-0.16	-4.07e-04	-4.15e-04	0.0
151	23	0.03	-0.02	-0.30	9.34e-05	-1.12e-04	0.0
151	24	0.05	-0.04	-0.35	5.47e-04	3.41e-04	0.0
151	25	-0.05	0.04	-0.10	-8.73e-04	-8.74e-04	0.0
151	26	-0.03	0.02	-0.16	-4.20e-04	-4.22e-04	0.0
151	27	-4.49e-03	0.03	-0.16	-8.22e-04	-9.32e-04	0.0
151	28	0.03	-0.02	-0.36	7.74e-04	6.20e-04	0.0
151	29	-0.03	0.02	-0.10	-1.10e-03	-1.15e-03	0.0
151	30	4.74e-03	-0.03	-0.30	4.95e-04	3.99e-04	0.0
151	31	-4.62e-03	0.02	-0.16	-8.16e-04	-9.28e-04	0.0
151	32	0.03	-0.03	-0.36	7.79e-04	6.23e-04	0.0
151	33	-0.03	0.03	-0.10	-1.11e-03	-1.16e-03	0.0
151	34	4.87e-03	-0.02	-0.30	4.89e-04	3.95e-04	0.0
151	35	-5.51e-03	0.03	-0.16	-7.79e-04	-9.10e-04	0.0
151	36	0.03	-0.01	-0.35	7.31e-04	5.97e-04	0.0
151	37	-0.03	0.01	-0.11	-1.06e-03	-1.13e-03	0.0
151	38	5.77e-03	-0.03	-0.29	4.53e-04	3.76e-04	0.0
151	39	-5.64e-03	0.01	-0.16	-7.74e-04	-9.06e-04	0.0
151	40	0.03	-0.03	-0.35	7.37e-04	6.01e-04	0.0
151	41	-0.03	0.03	-0.10	-1.06e-03	-1.13e-03	0.0
151	42	5.89e-03	-0.01	-0.29	4.47e-04	3.72e-04	0.0
151	43	0.03	0.03	-0.28	1.54e-05	-1.61e-04	0.0
151	44	0.04	0.02	-0.33	3.94e-04	2.08e-04	0.0
151	45	-0.04	-0.02	-0.13	-7.21e-04	-7.41e-04	0.0
151	46	-0.03	-0.03	-0.18	-3.42e-04	-3.73e-04	0.0
151	47	0.03	0.03	-0.28	2.54e-05	-1.55e-04	0.0
151	48	0.04	0.02	-0.33	3.84e-04	2.03e-04	0.0
151	49	-0.04	-0.02	-0.13	-7.11e-04	-7.36e-04	0.0
151	50	-0.03	-0.03	-0.18	-3.52e-04	-3.78e-04	0.0
151	51	0.03	-0.02	-0.28	3.02e-05	-1.51e-04	0.0
151	52	0.04	-0.03	-0.33	4.09e-04	2.18e-04	0.0
151	53	-0.04	0.03	-0.13	-7.36e-04	-7.51e-04	0.0
151	54	-0.03	0.02	-0.17	-3.57e-04	-3.83e-04	0.0
151	55	0.03	-0.02	-0.28	4.02e-05	-1.45e-04	0.0
151	56	0.04	-0.03	-0.33	3.99e-04	2.13e-04	0.0
151	57	-0.04	0.03	-0.13	-7.26e-04	-7.46e-04	0.0
151	58	-0.03	0.02	-0.17	-3.67e-04	-3.88e-04	0.0
151	59	-3.48e-03	0.03	-0.17	-6.84e-04	-7.94e-04	0.0
151	60	0.02	-0.01	-0.33	5.78e-04	4.35e-04	0.0
151	61	-0.02	0.01	-0.13	-9.05e-04	-9.68e-04	0.0
151	62	3.74e-03	-0.03	-0.28	3.58e-04	2.61e-04	0.0
151	63	-3.60e-03	0.01	-0.17	-6.80e-04	-7.91e-04	0.0
151	64	0.02	-0.03	-0.33	5.83e-04	4.38e-04	0.0
151	65	-0.02	0.02	-0.13	-9.10e-04	-9.71e-04	0.0
151	66	3.86e-03	-0.01	-0.28	3.53e-04	2.58e-04	0.0
151	67	-4.29e-03	0.02	-0.18	-6.51e-04	-7.76e-04	0.0
151	68	0.02	-9.60e-03	-0.32	5.45e-04	4.17e-04	0.0
151	69	-0.02	9.31e-03	-0.13	-8.72e-04	-9.51e-04	0.0
151	70	4.55e-03	-0.02	-0.28	3.24e-04	2.43e-04	0.0
151	71	-4.41e-03	9.46e-03	-0.18	-6.46e-04	-7.73e-04	0.0
151	72	0.02	-0.02	-0.33	5.49e-04	4.20e-04	0.0
151	73	-0.02	0.02	-0.13	-8.76e-04	-9.54e-04	0.0
151	74	4.67e-03	-9.74e-03	-0.28	3.20e-04	2.40e-04	0.0
151	75	0.02	0.02	-0.27	-1.56e-05	-1.79e-04	0.0
151	76	0.03	0.02	-0.31	2.97e-04	1.26e-04	0.0
151	77	-0.03	-0.02	-0.15	-6.24e-04	-6.59e-04	0.0
151	78	-0.02	-0.02	-0.19	-3.11e-04	-3.55e-04	0.0
151	79	0.02	0.02	-0.27	-7.34e-06	-1.74e-04	0.0
151	80	0.03	0.02	-0.31	2.89e-04	1.21e-04	0.0

151	81	-0.03	-0.02	-0.15	-6.16e-04	-6.55e-04	0.0
151	82	-0.02	-0.02	-0.18	-3.19e-04	-3.59e-04	0.0
151	83	0.02	-0.02	-0.27	-3.41e-06	-1.71e-04	0.0
151	84	0.03	-0.02	-0.31	3.10e-04	1.34e-04	0.0
151	85	-0.03	0.02	-0.14	-6.36e-04	-6.68e-04	0.0
151	86	-0.02	0.01	-0.18	-3.23e-04	-3.63e-04	0.0
151	87	0.02	-0.02	-0.27	4.90e-06	-1.66e-04	0.0
151	88	0.03	-0.02	-0.31	3.01e-04	1.30e-04	0.0
151	89	-0.03	0.02	-0.15	-6.28e-04	-6.63e-04	0.0
151	90	-0.02	0.02	-0.18	-3.32e-04	-3.67e-04	0.0
151	91	-2.85e-03	0.02	-0.18	-5.94e-04	-7.02e-04	0.0
151	92	0.02	-9.20e-03	-0.31	4.50e-04	3.13e-04	0.0
151	93	-0.02	8.92e-03	-0.14	-7.76e-04	-8.47e-04	0.0
151	94	3.11e-03	-0.02	-0.27	2.67e-04	1.69e-04	0.0
151	95	-2.95e-03	9.04e-03	-0.18	-5.90e-04	-7.00e-04	0.0
151	96	0.02	-0.02	-0.31	4.53e-04	3.16e-04	0.0
151	97	-0.02	0.02	-0.14	-7.80e-04	-8.49e-04	0.0
151	98	3.21e-03	-9.32e-03	-0.27	2.64e-04	1.67e-04	0.0
151	99	-3.52e-03	0.02	-0.19	-5.66e-04	-6.88e-04	0.0
151	100	0.02	-8.00e-03	-0.31	4.22e-04	2.99e-04	0.0
151	101	-0.02	7.72e-03	-0.15	-7.49e-04	-8.32e-04	0.0
151	102	3.78e-03	-0.02	-0.27	2.39e-04	1.55e-04	0.0
151	103	-3.62e-03	7.84e-03	-0.19	-5.63e-04	-6.85e-04	0.0
151	104	0.02	-0.02	-0.31	4.26e-04	3.01e-04	0.0
151	105	-0.02	0.02	-0.15	-7.52e-04	-8.35e-04	0.0
151	106	3.88e-03	-8.12e-03	-0.27	2.36e-04	1.52e-04	0.0
152	1	-1.40e-04	-7.03e-05	-0.26	-6.95e-05	-9.77e-05	0.0
152	2	2.63e-04	-1.01e-04	-0.34	-3.51e-04	-5.86e-04	0.0
152	3	-1.15e-04	-5.35e-05	-0.20	-4.82e-05	-6.59e-05	0.0
152	4	2.87e-04	-8.45e-05	-0.28	-3.29e-04	-5.54e-04	0.0
152	5	-1.11e-04	-5.38e-05	-0.20	-5.12e-05	-7.12e-05	0.0
152	6	1.57e-04	-7.45e-05	-0.25	-2.39e-04	-3.97e-04	0.0
152	7	-1.11e-04	-5.38e-05	-0.20	-5.12e-05	-7.12e-05	0.0
152	8	7.70e-05	-6.83e-05	-0.24	-1.82e-04	-2.99e-04	0.0
152	9	-1.11e-04	-5.38e-05	-0.20	-5.12e-05	-7.12e-05	0.0
152	10	5.02e-05	-6.62e-05	-0.23	-1.64e-04	-2.67e-04	0.0
152	11	0.03	0.04	-0.30	6.17e-05	-1.31e-04	0.0
152	12	0.05	0.02	-0.36	5.40e-04	3.33e-04	0.0
152	13	-0.05	-0.02	-0.10	-8.68e-04	-8.66e-04	0.0
152	14	-0.03	-0.04	-0.16	-3.89e-04	-4.02e-04	0.0
152	15	0.03	0.04	-0.30	7.44e-05	-1.25e-04	0.0
152	16	0.05	0.02	-0.36	5.28e-04	3.26e-04	0.0
152	17	-0.05	-0.02	-0.10	-8.55e-04	-8.59e-04	0.0
152	18	-0.03	-0.04	-0.16	-4.02e-04	-4.08e-04	0.0
152	19	0.03	-0.02	-0.30	8.04e-05	-1.19e-04	0.0
152	20	0.05	-0.04	-0.36	5.59e-04	3.46e-04	0.0
152	21	-0.05	0.04	-0.10	-8.86e-04	-8.79e-04	0.0
152	22	-0.03	0.02	-0.16	-4.08e-04	-4.15e-04	0.0
152	23	0.03	-0.02	-0.31	9.31e-05	-1.12e-04	0.0
152	24	0.05	-0.04	-0.36	5.46e-04	3.39e-04	0.0
152	25	-0.05	0.04	-0.10	-8.74e-04	-8.72e-04	0.0
152	26	-0.03	0.02	-0.16	-4.20e-04	-4.21e-04	0.0
152	27	-8.03e-03	0.03	-0.16	-8.22e-04	-9.31e-04	0.0
152	28	0.03	-0.02	-0.36	7.73e-04	6.18e-04	0.0
152	29	-0.03	0.02	-0.10	-1.10e-03	-1.15e-03	0.0
152	30	8.13e-03	-0.03	-0.30	4.95e-04	3.97e-04	0.0
152	31	-8.19e-03	0.02	-0.16	-8.16e-04	-9.27e-04	0.0
152	32	0.03	-0.03	-0.36	7.79e-04	6.22e-04	0.0
152	33	-0.03	0.03	-0.10	-1.11e-03	-1.15e-03	0.0
152	34	8.29e-03	-0.02	-0.30	4.89e-04	3.94e-04	0.0
152	35	-8.75e-03	0.03	-0.17	-7.79e-04	-9.08e-04	0.0
152	36	0.03	-0.01	-0.36	7.31e-04	5.96e-04	0.0
152	37	-0.03	0.01	-0.11	-1.06e-03	-1.13e-03	0.0
152	38	8.85e-03	-0.03	-0.30	4.52e-04	3.75e-04	0.0
152	39	-8.92e-03	0.01	-0.17	-7.74e-04	-9.04e-04	0.0
152	40	0.03	-0.03	-0.36	7.37e-04	5.99e-04	0.0
152	41	-0.03	0.03	-0.10	-1.06e-03	-1.13e-03	0.0
152	42	9.02e-03	-0.01	-0.30	4.47e-04	3.71e-04	0.0
152	43	0.03	0.03	-0.29	1.51e-05	-1.61e-04	0.0
152	44	0.04	0.02	-0.33	3.94e-04	2.07e-04	0.0
152	45	-0.04	-0.02	-0.13	-7.21e-04	-7.40e-04	0.0
152	46	-0.03	-0.03	-0.18	-3.42e-04	-3.72e-04	0.0

152	47	0.03	0.03	-0.29	2.51e-05	-1.56e-04	0.0
152	48	0.04	0.02	-0.33	3.84e-04	2.02e-04	0.0
152	49	-0.04	-0.02	-0.13	-7.11e-04	-7.35e-04	0.0
152	50	-0.03	-0.03	-0.18	-3.52e-04	-3.78e-04	0.0
152	51	0.03	-0.02	-0.29	2.99e-05	-1.51e-04	0.0
152	52	0.04	-0.03	-0.34	4.09e-04	2.17e-04	0.0
152	53	-0.04	0.03	-0.13	-7.36e-04	-7.50e-04	0.0
152	54	-0.03	0.02	-0.17	-3.57e-04	-3.82e-04	0.0
152	55	0.03	-0.02	-0.29	3.99e-05	-1.46e-04	0.0
152	56	0.04	-0.03	-0.34	3.99e-04	2.12e-04	0.0
152	57	-0.04	0.03	-0.13	-7.26e-04	-7.45e-04	0.0
152	58	-0.03	0.02	-0.17	-3.67e-04	-3.87e-04	0.0
152	59	-6.29e-03	0.03	-0.17	-6.84e-04	-7.93e-04	0.0
152	60	0.03	-0.01	-0.34	5.78e-04	4.33e-04	0.0
152	61	-0.03	0.01	-0.13	-9.05e-04	-9.67e-04	0.0
152	62	6.39e-03	-0.03	-0.29	3.57e-04	2.60e-04	0.0
152	63	-6.44e-03	0.01	-0.17	-6.80e-04	-7.90e-04	0.0
152	64	0.03	-0.03	-0.34	5.82e-04	4.36e-04	0.0
152	65	-0.03	0.03	-0.13	-9.10e-04	-9.70e-04	0.0
152	66	6.54e-03	-0.01	-0.29	3.53e-04	2.57e-04	0.0
152	67	-6.87e-03	0.02	-0.18	-6.51e-04	-7.75e-04	0.0
152	68	0.03	-9.75e-03	-0.33	5.45e-04	4.16e-04	0.0
152	69	-0.03	9.62e-03	-0.13	-8.72e-04	-9.49e-04	0.0
152	70	6.97e-03	-0.02	-0.28	3.24e-04	2.42e-04	0.0
152	71	-7.02e-03	9.73e-03	-0.18	-6.47e-04	-7.72e-04	0.0
152	72	0.03	-0.02	-0.33	5.49e-04	4.19e-04	0.0
152	73	-0.03	0.02	-0.13	-8.76e-04	-9.52e-04	0.0
152	74	7.12e-03	-9.86e-03	-0.28	3.19e-04	2.39e-04	0.0
152	75	0.02	0.02	-0.28	-1.59e-05	-1.79e-04	0.0
152	76	0.03	0.01	-0.32	2.97e-04	1.25e-04	0.0
152	77	-0.03	-0.02	-0.15	-6.24e-04	-6.58e-04	0.0
152	78	-0.02	-0.02	-0.19	-3.11e-04	-3.54e-04	0.0
152	79	0.02	0.02	-0.28	-7.63e-06	-1.75e-04	0.0
152	80	0.03	0.02	-0.32	2.89e-04	1.21e-04	0.0
152	81	-0.03	-0.02	-0.15	-6.16e-04	-6.54e-04	0.0
152	82	-0.02	-0.02	-0.19	-3.20e-04	-3.58e-04	0.0
152	83	0.02	-0.01	-0.28	-3.71e-06	-1.71e-04	0.0
152	84	0.03	-0.02	-0.32	3.09e-04	1.33e-04	0.0
152	85	-0.03	0.02	-0.14	-6.37e-04	-6.66e-04	0.0
152	86	-0.02	0.01	-0.18	-3.24e-04	-3.62e-04	0.0
152	87	0.02	-0.02	-0.28	4.60e-06	-1.66e-04	0.0
152	88	0.03	-0.02	-0.32	3.01e-04	1.29e-04	0.0
152	89	-0.03	0.02	-0.15	-6.28e-04	-6.62e-04	0.0
152	90	-0.02	0.02	-0.18	-3.32e-04	-3.67e-04	0.0
152	91	-5.18e-03	0.02	-0.18	-5.94e-04	-7.01e-04	0.0
152	92	0.02	-9.84e-03	-0.32	4.49e-04	3.12e-04	0.0
152	93	-0.02	9.70e-03	-0.14	-7.77e-04	-8.45e-04	0.0
152	94	5.29e-03	-0.02	-0.28	2.67e-04	1.68e-04	0.0
152	95	-5.31e-03	9.80e-03	-0.18	-5.90e-04	-6.99e-04	0.0
152	96	0.02	-0.02	-0.32	4.53e-04	3.14e-04	0.0
152	97	-0.02	0.02	-0.14	-7.80e-04	-8.48e-04	0.0
152	98	5.41e-03	-9.93e-03	-0.28	2.63e-04	1.66e-04	0.0
152	99	-5.67e-03	0.02	-0.19	-5.66e-04	-6.87e-04	0.0
152	100	0.02	-8.12e-03	-0.31	4.22e-04	2.98e-04	0.0
152	101	-0.02	7.98e-03	-0.15	-7.49e-04	-8.31e-04	0.0
152	102	5.77e-03	-0.02	-0.27	2.39e-04	1.54e-04	0.0
152	103	-5.79e-03	8.08e-03	-0.19	-5.63e-04	-6.84e-04	0.0
152	104	0.02	-0.02	-0.31	4.25e-04	3.00e-04	0.0
152	105	-0.02	0.02	-0.15	-7.53e-04	-8.33e-04	0.0
152	106	5.89e-03	-8.21e-03	-0.27	2.35e-04	1.51e-04	0.0
153	1	-2.26e-04	1.18e-05	-0.26	-6.94e-05	-9.77e-05	0.0
153	2	1.77e-04	-1.94e-05	-0.35	-3.50e-04	-5.86e-04	0.0
153	3	-1.81e-04	9.69e-06	-0.20	-4.81e-05	-6.59e-05	0.0
153	4	2.21e-04	-2.15e-05	-0.29	-3.29e-04	-5.54e-04	0.0
153	5	-1.77e-04	9.36e-06	-0.20	-5.10e-05	-7.11e-05	0.0
153	6	9.12e-05	-1.15e-05	-0.26	-2.38e-04	-3.97e-04	0.0
153	7	-1.77e-04	9.36e-06	-0.20	-5.10e-05	-7.11e-05	0.0
153	8	1.07e-05	-5.22e-06	-0.24	-1.82e-04	-2.99e-04	0.0
153	9	-1.77e-04	9.36e-06	-0.20	-5.10e-05	-7.11e-05	0.0
153	10	-1.61e-05	-3.14e-06	-0.23	-1.63e-04	-2.66e-04	0.0
153	11	0.03	0.04	-0.31	6.21e-05	-1.32e-04	0.0
153	12	0.05	0.02	-0.37	5.40e-04	3.34e-04	0.0

153	13	-0.05	-0.02	-0.10	-8.66e-04	-8.66e-04	0.0
153	14	-0.03	-0.04	-0.16	-3.89e-04	-4.01e-04	0.0
153	15	0.03	0.04	-0.31	7.48e-05	-1.25e-04	0.0
153	16	0.05	0.02	-0.37	5.27e-04	3.27e-04	0.0
153	17	-0.05	-0.02	-0.10	-8.54e-04	-8.60e-04	0.0
153	18	-0.03	-0.04	-0.16	-4.02e-04	-4.08e-04	0.0
153	19	0.03	-0.02	-0.31	8.08e-05	-1.19e-04	0.0
153	20	0.05	-0.04	-0.37	5.58e-04	3.47e-04	0.0
153	21	-0.05	0.04	-0.10	-8.85e-04	-8.79e-04	0.0
153	22	-0.03	0.02	-0.16	-4.08e-04	-4.14e-04	0.0
153	23	0.03	-0.02	-0.31	9.35e-05	-1.12e-04	0.0
153	24	0.05	-0.04	-0.37	5.45e-04	3.40e-04	0.0
153	25	-0.05	0.04	-0.10	-8.72e-04	-8.73e-04	0.0
153	26	-0.03	0.02	-0.16	-4.20e-04	-4.21e-04	0.0
153	27	-0.01	0.04	-0.16	-8.20e-04	-9.31e-04	0.0
153	28	0.04	-0.02	-0.37	7.72e-04	6.19e-04	0.0
153	29	-0.04	0.02	-0.10	-1.10e-03	-1.15e-03	0.0
153	30	0.01	-0.04	-0.31	4.93e-04	3.99e-04	0.0
153	31	-0.01	0.02	-0.16	-8.14e-04	-9.28e-04	0.0
153	32	0.04	-0.04	-0.37	7.77e-04	6.23e-04	0.0
153	33	-0.04	0.04	-0.10	-1.10e-03	-1.16e-03	0.0
153	34	0.01	-0.02	-0.31	4.87e-04	3.95e-04	0.0
153	35	-0.01	0.03	-0.17	-7.77e-04	-9.09e-04	0.0
153	36	0.04	-0.01	-0.36	7.29e-04	5.97e-04	0.0
153	37	-0.04	0.01	-0.11	-1.06e-03	-1.13e-03	0.0
153	38	0.01	-0.03	-0.30	4.51e-04	3.76e-04	0.0
153	39	-0.01	0.01	-0.17	-7.72e-04	-9.05e-04	0.0
153	40	0.04	-0.03	-0.36	7.35e-04	6.01e-04	0.0
153	41	-0.04	0.03	-0.10	-1.06e-03	-1.13e-03	0.0
153	42	0.01	-0.01	-0.30	4.45e-04	3.72e-04	0.0
153	43	0.03	0.03	-0.29	1.55e-05	-1.61e-04	0.0
153	44	0.04	0.02	-0.34	3.93e-04	2.07e-04	0.0
153	45	-0.04	-0.02	-0.13	-7.20e-04	-7.40e-04	0.0
153	46	-0.03	-0.03	-0.18	-3.42e-04	-3.72e-04	0.0
153	47	0.03	0.03	-0.29	2.55e-05	-1.56e-04	0.0
153	48	0.04	0.02	-0.34	3.83e-04	2.02e-04	0.0
153	49	-0.04	-0.02	-0.13	-7.10e-04	-7.35e-04	0.0
153	50	-0.03	-0.03	-0.18	-3.52e-04	-3.77e-04	0.0
153	51	0.03	-0.02	-0.29	3.02e-05	-1.51e-04	0.0
153	52	0.04	-0.03	-0.34	4.08e-04	2.17e-04	0.0
153	53	-0.04	0.03	-0.12	-7.35e-04	-7.50e-04	0.0
153	54	-0.03	0.02	-0.17	-3.57e-04	-3.82e-04	0.0
153	55	0.03	-0.02	-0.30	4.03e-05	-1.46e-04	0.0
153	56	0.04	-0.03	-0.34	3.98e-04	2.12e-04	0.0
153	57	-0.04	0.03	-0.13	-7.25e-04	-7.45e-04	0.0
153	58	-0.03	0.02	-0.17	-3.67e-04	-3.87e-04	0.0
153	59	-9.11e-03	0.03	-0.18	-6.83e-04	-7.93e-04	0.0
153	60	0.03	-0.01	-0.34	5.77e-04	4.34e-04	0.0
153	61	-0.03	0.01	-0.13	-9.03e-04	-9.67e-04	0.0
153	62	9.08e-03	-0.03	-0.29	3.56e-04	2.61e-04	0.0
153	63	-9.29e-03	0.01	-0.18	-6.78e-04	-7.90e-04	0.0
153	64	0.03	-0.03	-0.34	5.81e-04	4.37e-04	0.0
153	65	-0.03	0.03	-0.13	-9.08e-04	-9.70e-04	0.0
153	66	9.26e-03	-0.01	-0.29	3.51e-04	2.58e-04	0.0
153	67	-9.57e-03	0.02	-0.18	-6.49e-04	-7.76e-04	0.0
153	68	0.03	-0.01	-0.34	5.43e-04	4.17e-04	0.0
153	69	-0.03	0.01	-0.13	-8.70e-04	-9.50e-04	0.0
153	70	9.54e-03	-0.02	-0.29	3.22e-04	2.43e-04	0.0
153	71	-9.74e-03	0.01	-0.18	-6.45e-04	-7.73e-04	0.0
153	72	0.03	-0.02	-0.34	5.48e-04	4.20e-04	0.0
153	73	-0.03	0.02	-0.13	-8.74e-04	-9.53e-04	0.0
153	74	9.71e-03	-0.01	-0.29	3.18e-04	2.40e-04	0.0
153	75	0.02	0.02	-0.28	-1.56e-05	-1.79e-04	0.0
153	76	0.03	0.01	-0.32	2.97e-04	1.25e-04	0.0
153	77	-0.03	-0.01	-0.15	-6.24e-04	-6.58e-04	0.0
153	78	-0.02	-0.02	-0.19	-3.11e-04	-3.54e-04	0.0
153	79	0.02	0.02	-0.28	-7.27e-06	-1.75e-04	0.0
153	80	0.03	0.02	-0.32	2.88e-04	1.21e-04	0.0
153	81	-0.03	-0.02	-0.15	-6.15e-04	-6.54e-04	0.0
153	82	-0.02	-0.02	-0.19	-3.20e-04	-3.58e-04	0.0
153	83	0.02	-0.01	-0.28	-3.36e-06	-1.71e-04	0.0
153	84	0.03	-0.02	-0.33	3.09e-04	1.34e-04	0.0

153	85	-0.03	0.02	-0.14	-6.36e-04	-6.67e-04	0.0
153	86	-0.02	0.01	-0.18	-3.23e-04	-3.62e-04	0.0
153	87	0.02	-0.02	-0.29	4.95e-06	-1.66e-04	0.0
153	88	0.03	-0.02	-0.32	3.01e-04	1.29e-04	0.0
153	89	-0.03	0.02	-0.15	-6.27e-04	-6.62e-04	0.0
153	90	-0.02	0.02	-0.18	-3.32e-04	-3.66e-04	0.0
153	91	-7.53e-03	0.02	-0.19	-5.93e-04	-7.02e-04	0.0
153	92	0.02	-0.01	-0.32	4.48e-04	3.13e-04	0.0
153	93	-0.02	0.01	-0.15	-7.75e-04	-8.46e-04	0.0
153	94	7.50e-03	-0.02	-0.28	2.66e-04	1.69e-04	0.0
153	95	-7.68e-03	0.01	-0.19	-5.89e-04	-6.99e-04	0.0
153	96	0.02	-0.02	-0.32	4.52e-04	3.15e-04	0.0
153	97	-0.02	0.02	-0.15	-7.79e-04	-8.48e-04	0.0
153	98	7.64e-03	-0.01	-0.28	2.62e-04	1.67e-04	0.0
153	99	-7.91e-03	0.02	-0.19	-5.65e-04	-6.87e-04	0.0
153	100	0.02	-8.82e-03	-0.32	4.20e-04	2.98e-04	0.0
153	101	-0.02	8.82e-03	-0.15	-7.47e-04	-8.31e-04	0.0
153	102	7.87e-03	-0.02	-0.28	2.38e-04	1.55e-04	0.0
153	103	-8.05e-03	8.88e-03	-0.19	-5.61e-04	-6.85e-04	0.0
153	104	0.02	-0.02	-0.32	4.24e-04	3.01e-04	0.0
153	105	-0.02	0.02	-0.15	-7.51e-04	-8.34e-04	0.0
153	106	8.02e-03	-8.89e-03	-0.28	2.34e-04	1.52e-04	0.0
154	1	6.68e-05	-2.79e-04	-0.26	-2.56e-05	-1.32e-04	0.0
154	2	6.27e-04	-1.72e-04	-0.32	-2.04e-04	-7.04e-04	0.0
154	3	4.08e-05	-2.17e-04	-0.19	-1.63e-05	-9.06e-05	0.0
154	4	6.01e-04	-1.10e-04	-0.26	-1.95e-04	-6.62e-04	0.0
154	5	4.68e-05	-2.15e-04	-0.20	-1.82e-05	-9.67e-05	0.0
154	6	4.20e-04	-1.44e-04	-0.24	-1.37e-04	-4.78e-04	0.0
154	7	4.68e-05	-2.15e-04	-0.20	-1.82e-05	-9.67e-05	0.0
154	8	3.08e-04	-1.66e-04	-0.23	-1.02e-04	-3.64e-04	0.0
154	9	4.68e-05	-2.15e-04	-0.20	-1.82e-05	-9.67e-05	0.0
154	10	2.71e-04	-1.73e-04	-0.22	-8.97e-05	-3.25e-04	0.0
154	11	0.04	0.04	-0.29	1.77e-04	-1.74e-04	0.0
154	12	0.05	0.02	-0.34	5.47e-04	3.03e-04	0.0
154	13	-0.04	-0.02	-0.10	-7.26e-04	-9.54e-04	0.0
154	14	-0.04	-0.04	-0.16	-3.56e-04	-4.77e-04	0.0
154	15	0.04	0.04	-0.29	1.89e-04	-1.68e-04	0.0
154	16	0.05	0.02	-0.34	5.34e-04	2.97e-04	0.0
154	17	-0.05	-0.02	-0.11	-7.14e-04	-9.48e-04	0.0
154	18	-0.04	-0.04	-0.16	-3.69e-04	-4.83e-04	0.0
154	19	0.04	-0.02	-0.29	1.96e-04	-1.61e-04	0.0
154	20	0.05	-0.04	-0.34	5.65e-04	3.16e-04	0.0
154	21	-0.04	0.04	-0.10	-7.44e-04	-9.67e-04	0.0
154	22	-0.04	0.02	-0.16	-3.75e-04	-4.90e-04	0.0
154	23	0.04	-0.02	-0.29	2.08e-04	-1.55e-04	0.0
154	24	0.05	-0.04	-0.34	5.53e-04	3.10e-04	0.0
154	25	-0.05	0.04	-0.10	-7.32e-04	-9.61e-04	0.0
154	26	-0.04	0.02	-0.15	-3.87e-04	-4.96e-04	0.0
154	27	-2.27e-03	0.03	-0.16	-5.70e-04	-1.00e-03	0.0
154	28	0.03	-0.02	-0.34	6.61e-04	5.86e-04	0.0
154	29	-0.03	0.02	-0.10	-8.41e-04	-1.24e-03	0.0
154	30	2.81e-03	-0.03	-0.29	3.91e-04	3.52e-04	0.0
154	31	-2.35e-03	0.02	-0.16	-5.64e-04	-9.99e-04	0.0
154	32	0.03	-0.03	-0.34	6.67e-04	5.90e-04	0.0
154	33	-0.03	0.03	-0.10	-8.46e-04	-1.24e-03	0.0
154	34	2.90e-03	-0.02	-0.29	3.85e-04	3.48e-04	0.0
154	35	-3.62e-03	0.03	-0.16	-5.29e-04	-9.84e-04	0.0
154	36	0.03	-0.01	-0.34	6.21e-04	5.67e-04	0.0
154	37	-0.03	0.01	-0.11	-8.00e-04	-1.22e-03	0.0
154	38	4.16e-03	-0.03	-0.28	3.50e-04	3.33e-04	0.0
154	39	-3.70e-03	0.01	-0.16	-5.24e-04	-9.80e-04	0.0
154	40	0.03	-0.03	-0.34	6.26e-04	5.71e-04	0.0
154	41	-0.03	0.03	-0.11	-8.06e-04	-1.22e-03	0.0
154	42	4.25e-03	-0.02	-0.28	3.45e-04	3.29e-04	0.0
154	43	0.03	0.03	-0.27	1.22e-04	-2.07e-04	0.0
154	44	0.04	0.02	-0.32	4.14e-04	1.70e-04	0.0
154	45	-0.04	-0.02	-0.13	-5.93e-04	-8.21e-04	0.0
154	46	-0.03	-0.03	-0.17	-3.01e-04	-4.44e-04	0.0
154	47	0.03	0.03	-0.27	1.32e-04	-2.03e-04	0.0
154	48	0.04	0.02	-0.31	4.05e-04	1.65e-04	0.0
154	49	-0.04	-0.02	-0.13	-5.84e-04	-8.16e-04	0.0
154	50	-0.03	-0.03	-0.17	-3.11e-04	-4.48e-04	0.0

154	51	0.03	-0.02	-0.27	1.37e-04	-1.97e-04	0.0
154	52	0.04	-0.03	-0.32	4.29e-04	1.80e-04	0.0
154	53	-0.04	0.03	-0.13	-6.08e-04	-8.31e-04	0.0
154	54	-0.03	0.02	-0.17	-3.16e-04	-4.54e-04	0.0
154	55	0.03	-0.02	-0.28	1.46e-04	-1.93e-04	0.0
154	56	0.04	-0.03	-0.32	4.19e-04	1.76e-04	0.0
154	57	-0.04	0.03	-0.13	-5.98e-04	-8.26e-04	0.0
154	58	-0.03	0.02	-0.17	-3.25e-04	-4.58e-04	0.0
154	59	-1.71e-03	0.02	-0.17	-4.69e-04	-8.62e-04	0.0
154	60	0.02	-0.01	-0.32	5.04e-04	3.95e-04	0.0
154	61	-0.02	0.01	-0.13	-6.84e-04	-1.05e-03	0.0
154	62	2.25e-03	-0.02	-0.27	2.90e-04	2.11e-04	0.0
154	63	-1.80e-03	0.01	-0.17	-4.65e-04	-8.59e-04	0.0
154	64	0.02	-0.02	-0.32	5.09e-04	3.98e-04	0.0
154	65	-0.02	0.02	-0.13	-6.88e-04	-1.05e-03	0.0
154	66	2.34e-03	-0.01	-0.27	2.85e-04	2.08e-04	0.0
154	67	-2.77e-03	0.02	-0.18	-4.37e-04	-8.47e-04	0.0
154	68	0.02	-0.01	-0.31	4.73e-04	3.80e-04	0.0
154	69	-0.02	0.01	-0.13	-6.52e-04	-1.03e-03	0.0
154	70	3.31e-03	-0.02	-0.27	2.58e-04	1.96e-04	0.0
154	71	-2.86e-03	0.01	-0.18	-4.33e-04	-8.44e-04	0.0
154	72	0.02	-0.02	-0.31	4.77e-04	3.83e-04	0.0
154	73	-0.02	0.02	-0.13	-6.56e-04	-1.03e-03	0.0
154	74	3.40e-03	-0.01	-0.27	2.54e-04	1.93e-04	0.0
154	75	0.02	0.02	-0.26	8.53e-05	-2.28e-04	0.0
154	76	0.03	0.01	-0.30	3.27e-04	8.42e-05	0.0
154	77	-0.03	-0.01	-0.15	-5.06e-04	-7.35e-04	0.0
154	78	-0.02	-0.02	-0.18	-2.65e-04	-4.23e-04	0.0
154	79	0.02	0.02	-0.26	9.32e-05	-2.24e-04	0.0
154	80	0.03	0.01	-0.30	3.19e-04	8.05e-05	0.0
154	81	-0.03	-0.01	-0.15	-4.98e-04	-7.31e-04	0.0
154	82	-0.02	-0.02	-0.18	-2.73e-04	-4.27e-04	0.0
154	83	0.02	-0.01	-0.27	9.73e-05	-2.19e-04	0.0
154	84	0.03	-0.02	-0.30	3.39e-04	9.26e-05	0.0
154	85	-0.03	0.02	-0.14	-5.18e-04	-7.43e-04	0.0
154	86	-0.02	0.01	-0.18	-2.77e-04	-4.32e-04	0.0
154	87	0.02	-0.01	-0.27	1.05e-04	-2.15e-04	0.0
154	88	0.03	-0.02	-0.30	3.31e-04	8.89e-05	0.0
154	89	-0.03	0.02	-0.14	-5.10e-04	-7.40e-04	0.0
154	90	-0.02	0.01	-0.18	-2.85e-04	-4.35e-04	0.0
154	91	-1.36e-03	0.02	-0.18	-4.03e-04	-7.69e-04	0.0
154	92	0.02	-9.33e-03	-0.30	4.01e-04	2.70e-04	0.0
154	93	-0.02	8.99e-03	-0.14	-5.81e-04	-9.21e-04	0.0
154	94	1.90e-03	-0.02	-0.26	2.24e-04	1.18e-04	0.0
154	95	-1.44e-03	9.18e-03	-0.18	-4.00e-04	-7.66e-04	0.0
154	96	0.02	-0.02	-0.30	4.05e-04	2.73e-04	0.0
154	97	-0.02	0.02	-0.14	-5.84e-04	-9.24e-04	0.0
154	98	1.98e-03	-9.52e-03	-0.26	2.20e-04	1.16e-04	0.0
154	99	-2.24e-03	0.02	-0.18	-3.77e-04	-7.57e-04	0.0
154	100	0.02	-8.83e-03	-0.30	3.75e-04	2.58e-04	0.0
154	101	-0.02	8.49e-03	-0.15	-5.54e-04	-9.09e-04	0.0
154	102	2.79e-03	-0.02	-0.26	1.98e-04	1.06e-04	0.0
154	103	-2.32e-03	8.68e-03	-0.18	-3.73e-04	-7.54e-04	0.0
154	104	0.02	-0.02	-0.30	3.79e-04	2.60e-04	0.0
154	105	-0.02	0.02	-0.15	-5.58e-04	-9.11e-04	0.0
154	106	2.86e-03	-9.02e-03	-0.26	1.94e-04	1.03e-04	0.0
155	1	1.75e-04	-3.82e-04	-0.25	-2.55e-05	-1.32e-04	0.0
155	2	6.65e-04	-2.09e-04	-0.30	-2.04e-04	-7.04e-04	0.0
155	3	1.25e-04	-2.97e-04	-0.19	-1.63e-05	-9.06e-05	0.0
155	4	6.16e-04	-1.25e-04	-0.25	-1.95e-04	-6.63e-04	0.0
155	5	1.30e-04	-2.95e-04	-0.19	-1.82e-05	-9.67e-05	0.0
155	6	4.57e-04	-1.80e-04	-0.23	-1.37e-04	-4.78e-04	0.0
155	7	1.30e-04	-2.95e-04	-0.19	-1.82e-05	-9.67e-05	0.0
155	8	3.59e-04	-2.15e-04	-0.22	-1.02e-04	-3.64e-04	0.0
155	9	1.30e-04	-2.95e-04	-0.19	-1.82e-05	-9.67e-05	0.0
155	10	3.26e-04	-2.26e-04	-0.21	-8.97e-05	-3.26e-04	0.0
155	11	0.04	0.04	-0.27	1.77e-04	-1.74e-04	0.0
155	12	0.04	0.02	-0.33	5.47e-04	3.03e-04	0.0
155	13	-0.04	-0.02	-0.10	-7.26e-04	-9.54e-04	0.0
155	14	-0.04	-0.04	-0.16	-3.57e-04	-4.77e-04	0.0
155	15	0.04	0.04	-0.27	1.90e-04	-1.68e-04	0.0
155	16	0.04	0.02	-0.33	5.35e-04	2.97e-04	0.0

155	17	-0.04	-0.02	-0.10	-7.14e-04	-9.48e-04	0.0
155	18	-0.04	-0.04	-0.15	-3.69e-04	-4.83e-04	0.0
155	19	0.04	-0.02	-0.28	1.96e-04	-1.61e-04	0.0
155	20	0.04	-0.04	-0.33	5.65e-04	3.16e-04	0.0
155	21	-0.04	0.04	-0.09	-7.44e-04	-9.67e-04	0.0
155	22	-0.04	0.02	-0.15	-3.75e-04	-4.90e-04	0.0
155	23	0.04	-0.02	-0.28	2.08e-04	-1.55e-04	0.0
155	24	0.04	-0.04	-0.33	5.53e-04	3.10e-04	0.0
155	25	-0.03	0.04	-0.10	-7.32e-04	-9.61e-04	0.0
155	26	-0.04	0.02	-0.15	-3.87e-04	-4.96e-04	0.0
155	27	0.03	0.03	-0.14	-5.70e-04	-1.00e-03	1.89e-06
155	28	-1.22e-03	-0.02	-0.34	6.61e-04	5.86e-04	-1.28e-06
155	29	1.87e-03	0.02	-0.09	-8.41e-04	-1.24e-03	1.71e-06
155	30	-0.03	-0.03	-0.28	3.90e-04	3.52e-04	-1.47e-06
155	31	0.03	0.02	-0.14	-5.64e-04	-9.99e-04	1.89e-06
155	32	-1.27e-03	-0.03	-0.34	6.67e-04	5.90e-04	-1.28e-06
155	33	1.92e-03	0.03	-0.09	-8.46e-04	-1.24e-03	1.71e-06
155	34	-0.03	-0.02	-0.28	3.85e-04	3.48e-04	-1.47e-06
155	35	0.03	0.03	-0.15	-5.29e-04	-9.83e-04	1.85e-06
155	36	-2.99e-03	-0.02	-0.33	6.21e-04	5.66e-04	-1.25e-06
155	37	3.64e-03	0.02	-0.10	-8.00e-04	-1.22e-03	1.67e-06
155	38	-0.03	-0.03	-0.28	3.50e-04	3.32e-04	-1.43e-06
155	39	0.03	0.02	-0.15	-5.24e-04	-9.80e-04	1.85e-06
155	40	-3.04e-03	-0.03	-0.33	6.26e-04	5.70e-04	-1.25e-06
155	41	3.69e-03	0.03	-0.09	-8.06e-04	-1.22e-03	1.67e-06
155	42	-0.03	-0.02	-0.28	3.44e-04	3.28e-04	-1.43e-06
155	43	0.04	0.03	-0.26	1.22e-04	-2.07e-04	0.0
155	44	0.03	0.02	-0.31	4.14e-04	1.70e-04	0.0
155	45	-0.03	-0.02	-0.12	-5.94e-04	-8.21e-04	0.0
155	46	-0.03	-0.03	-0.17	-3.02e-04	-4.44e-04	0.0
155	47	0.04	0.03	-0.26	1.32e-04	-2.03e-04	0.0
155	48	0.03	0.02	-0.31	4.05e-04	1.65e-04	0.0
155	49	-0.03	-0.02	-0.12	-5.84e-04	-8.16e-04	0.0
155	50	-0.03	-0.03	-0.17	-3.11e-04	-4.48e-04	0.0
155	51	0.03	-0.02	-0.26	1.37e-04	-1.97e-04	0.0
155	52	0.03	-0.03	-0.31	4.29e-04	1.80e-04	0.0
155	53	-0.03	0.03	-0.12	-6.08e-04	-8.31e-04	0.0
155	54	-0.03	0.02	-0.17	-3.16e-04	-4.54e-04	0.0
155	55	0.04	-0.02	-0.26	1.46e-04	-1.93e-04	0.0
155	56	0.03	-0.03	-0.31	4.19e-04	1.75e-04	0.0
155	57	-0.03	0.03	-0.12	-5.99e-04	-8.26e-04	0.0
155	58	-0.03	0.02	-0.16	-3.26e-04	-4.58e-04	0.0
155	59	0.02	0.03	-0.16	-4.69e-04	-8.62e-04	1.54e-06
155	60	-8.82e-04	-0.01	-0.31	5.04e-04	3.95e-04	0.0
155	61	1.53e-03	0.01	-0.12	-6.84e-04	-1.05e-03	1.40e-06
155	62	-0.02	-0.03	-0.27	2.90e-04	2.11e-04	-1.12e-06
155	63	0.02	0.01	-0.16	-4.65e-04	-8.59e-04	1.54e-06
155	64	-9.44e-04	-0.03	-0.31	5.09e-04	3.98e-04	0.0
155	65	1.60e-03	0.03	-0.12	-6.88e-04	-1.05e-03	1.40e-06
155	66	-0.02	-0.01	-0.27	2.85e-04	2.08e-04	-1.12e-06
155	67	0.02	0.03	-0.16	-4.37e-04	-8.47e-04	1.51e-06
155	68	-2.27e-03	-0.01	-0.31	4.72e-04	3.80e-04	0.0
155	69	2.92e-03	0.01	-0.12	-6.52e-04	-1.03e-03	1.37e-06
155	70	-0.02	-0.03	-0.27	2.58e-04	1.96e-04	-1.09e-06
155	71	0.02	0.01	-0.16	-4.33e-04	-8.44e-04	1.51e-06
155	72	-2.33e-03	-0.03	-0.31	4.77e-04	3.83e-04	0.0
155	73	2.99e-03	0.03	-0.12	-6.56e-04	-1.03e-03	1.37e-06
155	74	-0.02	-0.01	-0.27	2.53e-04	1.93e-04	-1.09e-06
155	75	0.03	0.02	-0.25	8.55e-05	-2.28e-04	0.0
155	76	0.02	0.01	-0.29	3.27e-04	8.41e-05	0.0
155	77	-0.02	-0.01	-0.14	-5.06e-04	-7.35e-04	0.0
155	78	-0.03	-0.02	-0.18	-2.65e-04	-4.23e-04	0.0
155	79	0.03	0.02	-0.25	9.34e-05	-2.24e-04	0.0
155	80	0.02	0.01	-0.29	3.19e-04	8.03e-05	0.0
155	81	-0.02	-0.01	-0.14	-4.98e-04	-7.31e-04	0.0
155	82	-0.03	-0.02	-0.17	-2.73e-04	-4.27e-04	0.0
155	83	0.03	-0.01	-0.25	9.75e-05	-2.19e-04	0.0
155	84	0.02	-0.02	-0.29	3.39e-04	9.24e-05	0.0
155	85	-0.02	0.02	-0.14	-5.18e-04	-7.44e-04	0.0
155	86	-0.03	0.01	-0.17	-2.77e-04	-4.32e-04	0.0
155	87	0.03	-0.01	-0.26	1.05e-04	-2.16e-04	0.0
155	88	0.02	-0.02	-0.29	3.31e-04	8.87e-05	0.0

155	89	-0.02	0.02	-0.14	-5.10e-04	-7.40e-04	0.0
155	90	-0.03	0.01	-0.17	-2.85e-04	-4.36e-04	0.0
155	91	0.02	0.02	-0.17	-4.03e-04	-7.69e-04	1.31e-06
155	92	-6.71e-04	-0.01	-0.29	4.01e-04	2.70e-04	0.0
155	93	1.32e-03	9.99e-03	-0.13	-5.81e-04	-9.21e-04	1.19e-06
155	94	-0.02	-0.02	-0.26	2.24e-04	1.18e-04	0.0
155	95	0.02	0.01	-0.17	-4.00e-04	-7.66e-04	1.31e-06
155	96	-7.23e-04	-0.02	-0.30	4.05e-04	2.73e-04	0.0
155	97	1.38e-03	0.02	-0.13	-5.84e-04	-9.24e-04	1.19e-06
155	98	-0.02	-0.01	-0.26	2.20e-04	1.15e-04	0.0
155	99	0.02	0.02	-0.17	-3.77e-04	-7.56e-04	1.29e-06
155	100	-1.82e-03	-0.01	-0.29	3.75e-04	2.58e-04	0.0
155	101	2.47e-03	0.01	-0.14	-5.54e-04	-9.09e-04	1.17e-06
155	102	-0.02	-0.02	-0.26	1.97e-04	1.05e-04	0.0
155	103	0.02	0.01	-0.17	-3.73e-04	-7.54e-04	1.29e-06
155	104	-1.87e-03	-0.02	-0.29	3.79e-04	2.60e-04	0.0
155	105	2.53e-03	0.02	-0.14	-5.58e-04	-9.11e-04	1.17e-06
155	106	-0.02	-0.01	-0.26	1.94e-04	1.03e-04	0.0
156	1	2.66e-04	-4.70e-04	-0.25	-2.54e-05	-1.32e-04	0.0
156	2	7.04e-04	-2.49e-04	-0.29	-2.04e-04	-7.04e-04	0.0
156	3	1.96e-04	-3.65e-04	-0.19	-1.62e-05	-9.06e-05	0.0
156	4	6.35e-04	-1.45e-04	-0.23	-1.95e-04	-6.63e-04	0.0
156	5	2.01e-04	-3.63e-04	-0.19	-1.81e-05	-9.67e-05	0.0
156	6	4.93e-04	-2.16e-04	-0.22	-1.37e-04	-4.78e-04	0.0
156	7	2.01e-04	-3.63e-04	-0.19	-1.81e-05	-9.67e-05	0.0
156	8	4.06e-04	-2.60e-04	-0.21	-1.01e-04	-3.64e-04	0.0
156	9	2.01e-04	-3.63e-04	-0.19	-1.81e-05	-9.67e-05	0.0
156	10	3.76e-04	-2.75e-04	-0.21	-8.95e-05	-3.26e-04	0.0
156	11	0.04	0.04	-0.26	1.78e-04	-1.73e-04	0.0
156	12	0.04	0.02	-0.32	5.47e-04	3.04e-04	0.0
156	13	-0.03	-0.02	-0.09	-7.26e-04	-9.55e-04	0.0
156	14	-0.04	-0.04	-0.15	-3.57e-04	-4.78e-04	0.0
156	15	0.04	0.04	-0.26	1.90e-04	-1.67e-04	0.0
156	16	0.03	0.02	-0.32	5.35e-04	2.98e-04	0.0
156	17	-0.03	-0.02	-0.09	-7.14e-04	-9.49e-04	0.0
156	18	-0.04	-0.04	-0.15	-3.69e-04	-4.84e-04	0.0
156	19	0.04	-0.02	-0.26	1.96e-04	-1.60e-04	0.0
156	20	0.04	-0.04	-0.33	5.65e-04	3.17e-04	0.0
156	21	-0.03	0.04	-0.09	-7.44e-04	-9.68e-04	0.0
156	22	-0.04	0.02	-0.15	-3.75e-04	-4.91e-04	0.0
156	23	0.04	-0.02	-0.27	2.08e-04	-1.54e-04	0.0
156	24	0.03	-0.04	-0.32	5.53e-04	3.11e-04	0.0
156	25	-0.03	0.04	-0.09	-7.32e-04	-9.62e-04	0.0
156	26	-0.04	0.02	-0.15	-3.87e-04	-4.97e-04	0.0
156	27	0.03	0.04	-0.13	-5.69e-04	-1.00e-03	0.0
156	28	-2.30e-03	-0.02	-0.33	6.61e-04	5.87e-04	0.0
156	29	3.06e-03	0.02	-0.08	-8.40e-04	-1.24e-03	0.0
156	30	-0.03	-0.04	-0.28	3.90e-04	3.52e-04	0.0
156	31	0.03	0.02	-0.13	-5.63e-04	-9.99e-04	0.0
156	32	-2.32e-03	-0.04	-0.33	6.66e-04	5.91e-04	0.0
156	33	3.08e-03	0.04	-0.08	-8.45e-04	-1.24e-03	0.0
156	34	-0.03	-0.02	-0.28	3.84e-04	3.48e-04	0.0
156	35	0.03	0.04	-0.14	-5.28e-04	-9.84e-04	0.0
156	36	-4.19e-03	-0.02	-0.33	6.21e-04	5.67e-04	0.0
156	37	4.94e-03	0.02	-0.08	-7.99e-04	-1.22e-03	0.0
156	38	-0.03	-0.04	-0.28	3.49e-04	3.33e-04	0.0
156	39	0.03	0.02	-0.14	-5.23e-04	-9.80e-04	0.0
156	40	-4.21e-03	-0.04	-0.33	6.26e-04	5.71e-04	0.0
156	41	4.96e-03	0.04	-0.08	-8.05e-04	-1.22e-03	0.0
156	42	-0.03	-0.02	-0.28	3.44e-04	3.29e-04	0.0
156	43	0.03	0.03	-0.25	1.23e-04	-2.07e-04	0.0
156	44	0.03	0.02	-0.30	4.14e-04	1.71e-04	0.0
156	45	-0.03	-0.02	-0.11	-5.93e-04	-8.22e-04	0.0
156	46	-0.03	-0.03	-0.16	-3.02e-04	-4.44e-04	0.0
156	47	0.04	0.03	-0.25	1.32e-04	-2.02e-04	0.0
156	48	0.03	0.02	-0.30	4.05e-04	1.66e-04	0.0
156	49	-0.03	-0.02	-0.12	-5.84e-04	-8.17e-04	0.0
156	50	-0.03	-0.03	-0.16	-3.11e-04	-4.49e-04	0.0
156	51	0.03	-0.02	-0.25	1.37e-04	-1.97e-04	0.0
156	52	0.03	-0.03	-0.30	4.29e-04	1.81e-04	0.0
156	53	-0.03	0.03	-0.11	-6.08e-04	-8.32e-04	0.0
156	54	-0.03	0.01	-0.16	-3.16e-04	-4.54e-04	0.0

156	55	0.04	-0.02	-0.25	1.47e-04	-1.92e-04	0.0
156	56	0.03	-0.03	-0.30	4.19e-04	1.76e-04	0.0
156	57	-0.03	0.03	-0.11	-5.98e-04	-8.27e-04	0.0
156	58	-0.03	0.01	-0.16	-3.26e-04	-4.59e-04	0.0
156	59	0.02	0.03	-0.15	-4.68e-04	-8.62e-04	0.0
156	60	-1.74e-03	-0.01	-0.31	5.04e-04	3.96e-04	0.0
156	61	2.50e-03	0.01	-0.11	-6.83e-04	-1.05e-03	0.0
156	62	-0.02	-0.03	-0.27	2.89e-04	2.11e-04	0.0
156	63	0.02	0.01	-0.15	-4.64e-04	-8.59e-04	0.0
156	64	-1.78e-03	-0.03	-0.31	5.08e-04	3.99e-04	0.0
156	65	2.54e-03	0.03	-0.11	-6.87e-04	-1.05e-03	0.0
156	66	-0.02	-0.01	-0.27	2.85e-04	2.08e-04	0.0
156	67	0.02	0.03	-0.15	-4.36e-04	-8.47e-04	0.0
156	68	-3.23e-03	-0.01	-0.30	4.72e-04	3.81e-04	0.0
156	69	3.98e-03	0.01	-0.11	-6.51e-04	-1.03e-03	0.0
156	70	-0.02	-0.03	-0.26	2.57e-04	1.96e-04	0.0
156	71	0.02	0.01	-0.15	-4.32e-04	-8.44e-04	0.0
156	72	-3.26e-03	-0.03	-0.31	4.77e-04	3.84e-04	0.0
156	73	4.02e-03	0.03	-0.11	-6.56e-04	-1.03e-03	0.0
156	74	-0.02	-0.02	-0.26	2.53e-04	1.93e-04	0.0
156	75	0.03	0.02	-0.24	8.58e-05	-2.27e-04	0.0
156	76	0.02	0.01	-0.28	3.27e-04	8.48e-05	0.0
156	77	-0.02	-0.01	-0.13	-5.06e-04	-7.36e-04	0.0
156	78	-0.03	-0.02	-0.17	-2.65e-04	-4.24e-04	0.0
156	79	0.03	0.02	-0.24	9.37e-05	-2.23e-04	0.0
156	80	0.02	0.01	-0.28	3.19e-04	8.10e-05	0.0
156	81	-0.02	-0.01	-0.13	-4.98e-04	-7.32e-04	0.0
156	82	-0.03	-0.02	-0.17	-2.73e-04	-4.28e-04	0.0
156	83	0.03	-0.01	-0.24	9.78e-05	-2.19e-04	0.0
156	84	0.02	-0.02	-0.28	3.39e-04	9.31e-05	0.0
156	85	-0.02	0.02	-0.13	-5.18e-04	-7.44e-04	0.0
156	86	-0.03	0.01	-0.17	-2.77e-04	-4.32e-04	0.0
156	87	0.03	-0.01	-0.25	1.06e-04	-2.15e-04	0.0
156	88	0.02	-0.02	-0.28	3.31e-04	8.94e-05	0.0
156	89	-0.02	0.02	-0.13	-5.10e-04	-7.40e-04	0.0
156	90	-0.03	0.01	-0.17	-2.85e-04	-4.36e-04	0.0
156	91	0.02	0.02	-0.16	-4.03e-04	-7.69e-04	0.0
156	92	-1.37e-03	-0.01	-0.29	4.01e-04	2.71e-04	0.0
156	93	2.13e-03	0.01	-0.12	-5.80e-04	-9.22e-04	0.0
156	94	-0.02	-0.02	-0.26	2.24e-04	1.18e-04	0.0
156	95	0.02	0.01	-0.16	-3.99e-04	-7.67e-04	0.0
156	96	-1.41e-03	-0.02	-0.29	4.05e-04	2.73e-04	0.0
156	97	2.16e-03	0.02	-0.12	-5.84e-04	-9.24e-04	0.0
156	98	-0.02	-0.01	-0.26	2.20e-04	1.16e-04	0.0
156	99	0.02	0.02	-0.16	-3.76e-04	-7.57e-04	0.0
156	100	-2.60e-03	-0.01	-0.29	3.75e-04	2.58e-04	0.0
156	101	3.35e-03	0.01	-0.13	-5.54e-04	-9.09e-04	0.0
156	102	-0.02	-0.02	-0.25	1.97e-04	1.06e-04	0.0
156	103	0.02	0.01	-0.16	-3.73e-04	-7.54e-04	0.0
156	104	-2.63e-03	-0.02	-0.29	3.78e-04	2.61e-04	0.0
156	105	3.38e-03	0.02	-0.13	-5.57e-04	-9.12e-04	0.0
156	106	-0.02	-0.01	-0.25	1.94e-04	1.03e-04	0.0
157	1	7.50e-04	-4.22e-04	-0.25	-5.43e-05	-1.13e-04	0.0
157	2	2.72e-04	8.11e-04	-0.32	-2.86e-04	-6.25e-04	0.0
157	3	5.86e-04	-3.48e-04	-0.19	-3.74e-05	-7.75e-05	0.0
157	4	1.08e-04	8.86e-04	-0.26	-2.69e-04	-5.89e-04	0.0
157	5	5.81e-04	-3.35e-04	-0.19	-3.99e-05	-8.30e-05	0.0
157	6	2.62e-04	4.88e-04	-0.24	-1.94e-04	-4.24e-04	0.0
157	7	5.81e-04	-3.35e-04	-0.19	-3.99e-05	-8.30e-05	0.0
157	8	3.58e-04	2.41e-04	-0.22	-1.48e-04	-3.22e-04	0.0
157	9	5.81e-04	-3.35e-04	-0.19	-3.99e-05	-8.30e-05	0.0
157	10	3.90e-04	1.58e-04	-0.22	-1.33e-04	-2.87e-04	0.0
157	11	0.05	0.04	-0.27	2.06e-04	-5.40e-05	0.0
157	12	0.02	0.02	-0.26	6.36e-04	3.69e-04	0.0
157	13	-0.02	-0.02	-0.18	-9.01e-04	-9.44e-04	0.0
157	14	-0.05	-0.04	-0.17	-4.71e-04	-5.21e-04	0.0
157	15	0.05	0.04	-0.27	2.23e-04	-4.85e-05	0.0
157	16	0.02	0.02	-0.26	6.19e-04	3.63e-04	0.0
157	17	-0.02	-0.02	-0.18	-8.84e-04	-9.38e-04	0.0
157	18	-0.05	-0.04	-0.17	-4.88e-04	-5.26e-04	0.0
157	19	0.05	0.04	-0.27	2.27e-04	-3.93e-05	0.0
157	20	0.02	0.02	-0.26	6.56e-04	3.84e-04	0.0

157	21	-0.02	-0.02	-0.18	-9.22e-04	-9.59e-04	0.0
157	22	-0.05	-0.03	-0.17	-4.92e-04	-5.36e-04	0.0
157	23	0.05	0.04	-0.27	2.43e-04	-3.38e-05	0.0
157	24	0.02	0.02	-0.26	6.40e-04	3.78e-04	0.0
157	25	-0.02	-0.02	-0.18	-9.05e-04	-9.53e-04	0.0
157	26	-0.05	-0.04	-0.17	-5.08e-04	-5.41e-04	0.0
157	27	0.05	0.04	-0.25	-6.83e-04	-8.59e-04	0.0
157	28	-0.03	-0.02	-0.21	7.50e-04	5.51e-04	0.0
157	29	0.03	0.02	-0.23	-1.01e-03	-1.13e-03	0.0
157	30	-0.05	-0.04	-0.19	4.18e-04	2.84e-04	0.0
157	31	0.05	0.04	-0.25	-6.76e-04	-8.54e-04	0.0
157	32	-0.03	-0.02	-0.21	7.56e-04	5.55e-04	0.0
157	33	0.03	0.02	-0.23	-1.02e-03	-1.13e-03	0.0
157	34	-0.05	-0.04	-0.19	4.11e-04	2.80e-04	0.0
157	35	0.05	0.04	-0.25	-6.27e-04	-8.41e-04	0.0
157	36	-0.03	-0.02	-0.21	6.95e-04	5.33e-04	0.0
157	37	0.03	0.02	-0.23	-9.60e-04	-1.11e-03	0.0
157	38	-0.05	-0.04	-0.19	3.62e-04	2.66e-04	0.0
157	39	0.05	0.04	-0.25	-6.21e-04	-8.36e-04	0.0
157	40	-0.03	-0.03	-0.21	7.01e-04	5.37e-04	0.0
157	41	0.03	0.03	-0.23	-9.66e-04	-1.11e-03	0.0
157	42	-0.05	-0.04	-0.19	3.56e-04	2.61e-04	0.0
157	43	0.04	0.03	-0.26	1.37e-04	-1.05e-04	0.0
157	44	0.02	0.01	-0.25	4.76e-04	2.30e-04	0.0
157	45	-0.02	-0.01	-0.19	-7.41e-04	-8.05e-04	0.0
157	46	-0.04	-0.03	-0.18	-4.02e-04	-4.70e-04	0.0
157	47	0.04	0.03	-0.26	1.50e-04	-1.00e-04	0.0
157	48	0.02	0.01	-0.25	4.63e-04	2.26e-04	0.0
157	49	-0.02	-0.01	-0.19	-7.28e-04	-8.00e-04	0.0
157	50	-0.04	-0.03	-0.18	-4.15e-04	-4.75e-04	0.0
157	51	0.04	0.03	-0.26	1.53e-04	-9.35e-05	0.0
157	52	0.02	0.01	-0.25	4.92e-04	2.41e-04	0.0
157	53	-0.02	-0.01	-0.19	-7.57e-04	-8.16e-04	0.0
157	54	-0.04	-0.03	-0.18	-4.18e-04	-4.81e-04	0.0
157	55	0.04	0.03	-0.26	1.66e-04	-8.92e-05	0.0
157	56	0.02	0.01	-0.25	4.79e-04	2.37e-04	0.0
157	57	-0.02	-0.01	-0.19	-7.44e-04	-8.12e-04	0.0
157	58	-0.04	-0.03	-0.18	-4.31e-04	-4.86e-04	0.0
157	59	0.04	0.03	-0.25	-5.66e-04	-7.40e-04	0.0
157	60	-0.02	-0.02	-0.21	5.64e-04	3.75e-04	0.0
157	61	0.02	0.02	-0.23	-8.29e-04	-9.50e-04	0.0
157	62	-0.04	-0.03	-0.19	3.01e-04	1.65e-04	0.0
157	63	0.04	0.03	-0.25	-5.61e-04	-7.37e-04	0.0
157	64	-0.02	-0.02	-0.21	5.69e-04	3.78e-04	0.0
157	65	0.02	0.02	-0.23	-8.34e-04	-9.53e-04	0.0
157	66	-0.04	-0.03	-0.19	2.96e-04	1.62e-04	0.0
157	67	0.04	0.03	-0.25	-5.23e-04	-7.26e-04	0.0
157	68	-0.02	-0.02	-0.22	5.21e-04	3.61e-04	0.0
157	69	0.02	0.02	-0.23	-7.86e-04	-9.36e-04	0.0
157	70	-0.04	-0.03	-0.19	2.58e-04	1.51e-04	0.0
157	71	0.04	0.03	-0.25	-5.18e-04	-7.22e-04	0.0
157	72	-0.02	-0.02	-0.22	5.26e-04	3.64e-04	0.0
157	73	0.02	0.02	-0.23	-7.91e-04	-9.39e-04	0.0
157	74	-0.04	-0.03	-0.19	2.53e-04	1.47e-04	0.0
157	75	0.03	0.02	-0.25	8.99e-05	-1.36e-04	0.0
157	76	0.01	0.01	-0.24	3.70e-04	1.40e-04	0.0
157	77	-0.01	-0.01	-0.20	-6.35e-04	-7.15e-04	0.0
157	78	-0.03	-0.02	-0.19	-3.55e-04	-4.39e-04	0.0
157	79	0.03	0.02	-0.25	1.01e-04	-1.33e-04	0.0
157	80	0.01	0.01	-0.24	3.60e-04	1.37e-04	0.0
157	81	-0.01	-0.01	-0.20	-6.25e-04	-7.12e-04	0.0
157	82	-0.03	-0.02	-0.19	-3.66e-04	-4.42e-04	0.0
157	83	0.03	0.02	-0.25	1.03e-04	-1.27e-04	0.0
157	84	0.02	0.01	-0.24	3.84e-04	1.50e-04	0.0
157	85	-0.01	-0.01	-0.20	-6.49e-04	-7.25e-04	0.0
157	86	-0.03	-0.02	-0.19	-3.68e-04	-4.48e-04	0.0
157	87	0.03	0.02	-0.25	1.14e-04	-1.23e-04	0.0
157	88	0.02	0.01	-0.24	3.73e-04	1.46e-04	0.0
157	89	-0.01	-0.01	-0.20	-6.38e-04	-7.21e-04	0.0
157	90	-0.03	-0.02	-0.19	-3.79e-04	-4.52e-04	0.0
157	91	0.03	0.03	-0.24	-4.91e-04	-6.61e-04	0.0
157	92	-0.02	-0.01	-0.22	4.44e-04	2.60e-04	0.0

157	93	0.02	0.01	-0.23	-7.09e-04	-8.35e-04	0.0
157	94	-0.03	-0.03	-0.20	2.26e-04	8.64e-05	0.0
157	95	0.03	0.03	-0.24	-4.87e-04	-6.59e-04	0.0
157	96	-0.02	-0.01	-0.22	4.48e-04	2.63e-04	0.0
157	97	0.02	0.02	-0.23	-7.13e-04	-8.38e-04	0.0
157	98	-0.03	-0.02	-0.20	2.22e-04	8.36e-05	0.0
157	99	0.03	0.03	-0.24	-4.55e-04	-6.50e-04	0.0
157	100	-0.02	-0.02	-0.22	4.08e-04	2.48e-04	0.0
157	101	0.02	0.02	-0.22	-6.73e-04	-8.23e-04	0.0
157	102	-0.03	-0.03	-0.20	1.90e-04	7.46e-05	0.0
157	103	0.03	0.03	-0.24	-4.51e-04	-6.47e-04	0.0
157	104	-0.02	-0.02	-0.22	4.12e-04	2.51e-04	0.0
157	105	0.02	0.02	-0.22	-6.77e-04	-8.26e-04	0.0
157	106	-0.03	-0.03	-0.20	1.86e-04	7.18e-05	0.0
158	1	8.26e-04	-4.22e-04	-0.26	-5.44e-05	-1.14e-04	0.0
158	2	-1.08e-04	8.17e-04	-0.33	-2.87e-04	-6.26e-04	0.0
158	3	6.53e-04	-3.48e-04	-0.19	-3.75e-05	-7.77e-05	0.0
158	4	-2.80e-04	8.91e-04	-0.27	-2.70e-04	-5.90e-04	0.0
158	5	6.43e-04	-3.34e-04	-0.20	-4.00e-05	-8.31e-05	0.0
158	6	2.07e-05	4.91e-04	-0.25	-1.95e-04	-4.25e-04	0.0
158	7	6.43e-04	-3.34e-04	-0.20	-4.00e-05	-8.31e-05	0.0
158	8	2.07e-04	2.43e-04	-0.23	-1.48e-04	-3.22e-04	0.0
158	9	6.43e-04	-3.34e-04	-0.20	-4.00e-05	-8.31e-05	0.0
158	10	2.70e-04	1.61e-04	-0.23	-1.33e-04	-2.88e-04	0.0
158	11	0.05	0.04	-0.29	2.06e-04	-5.45e-05	0.0
158	12	0.02	0.02	-0.26	6.36e-04	3.69e-04	0.0
158	13	-0.02	-0.02	-0.19	-9.02e-04	-9.45e-04	0.0
158	14	-0.05	-0.04	-0.16	-4.72e-04	-5.22e-04	0.0
158	15	0.05	0.04	-0.29	2.23e-04	-4.91e-05	0.0
158	16	0.02	0.02	-0.27	6.19e-04	3.63e-04	0.0
158	17	-0.02	-0.02	-0.19	-8.85e-04	-9.39e-04	0.0
158	18	-0.05	-0.04	-0.16	-4.88e-04	-5.27e-04	0.0
158	19	0.05	0.04	-0.30	2.27e-04	-3.98e-05	0.0
158	20	0.02	0.02	-0.27	6.56e-04	3.83e-04	0.0
158	21	-0.02	-0.02	-0.19	-9.22e-04	-9.60e-04	0.0
158	22	-0.05	-0.03	-0.16	-4.92e-04	-5.36e-04	0.0
158	23	0.05	0.04	-0.29	2.43e-04	-3.43e-05	0.0
158	24	0.02	0.02	-0.27	6.40e-04	3.78e-04	0.0
158	25	-0.02	-0.02	-0.19	-9.05e-04	-9.54e-04	0.0
158	26	-0.05	-0.04	-0.16	-5.09e-04	-5.42e-04	0.0
158	27	0.06	0.04	-0.29	-6.83e-04	-8.60e-04	0.0
158	28	-0.04	-0.02	-0.19	7.50e-04	5.51e-04	0.0
158	29	0.04	0.02	-0.26	-1.02e-03	-1.13e-03	0.0
158	30	-0.06	-0.04	-0.16	4.17e-04	2.84e-04	0.0
158	31	0.06	0.04	-0.29	-6.77e-04	-8.55e-04	0.0
158	32	-0.04	-0.02	-0.19	7.56e-04	5.55e-04	0.0
158	33	0.04	0.02	-0.26	-1.02e-03	-1.13e-03	0.0
158	34	-0.06	-0.04	-0.16	4.11e-04	2.79e-04	0.0
158	35	0.06	0.04	-0.29	-6.28e-04	-8.42e-04	0.0
158	36	-0.04	-0.02	-0.20	6.94e-04	5.33e-04	0.0
158	37	0.04	0.02	-0.26	-9.60e-04	-1.11e-03	0.0
158	38	-0.06	-0.04	-0.17	3.62e-04	2.65e-04	0.0
158	39	0.06	0.04	-0.29	-6.22e-04	-8.37e-04	0.0
158	40	-0.04	-0.03	-0.20	7.00e-04	5.37e-04	0.0
158	41	0.04	0.03	-0.25	-9.66e-04	-1.11e-03	0.0
158	42	-0.06	-0.04	-0.17	3.56e-04	2.61e-04	0.0
158	43	0.04	0.03	-0.28	1.36e-04	-1.05e-04	0.0
158	44	0.01	0.01	-0.26	4.76e-04	2.29e-04	0.0
158	45	-0.01	-0.01	-0.20	-7.41e-04	-8.06e-04	0.0
158	46	-0.04	-0.03	-0.17	-4.02e-04	-4.71e-04	0.0
158	47	0.04	0.03	-0.28	1.50e-04	-1.01e-04	0.0
158	48	0.01	0.01	-0.26	4.63e-04	2.25e-04	0.0
158	49	-0.01	-0.01	-0.20	-7.28e-04	-8.01e-04	0.0
158	50	-0.04	-0.03	-0.18	-4.15e-04	-4.75e-04	0.0
158	51	0.04	0.03	-0.28	1.53e-04	-9.40e-05	0.0
158	52	0.02	0.01	-0.26	4.92e-04	2.41e-04	0.0
158	53	-0.01	-0.01	-0.20	-7.58e-04	-8.17e-04	0.0
158	54	-0.04	-0.03	-0.17	-4.18e-04	-4.82e-04	0.0
158	55	0.04	0.03	-0.28	1.66e-04	-8.98e-05	0.0
158	56	0.02	0.01	-0.26	4.79e-04	2.36e-04	0.0
158	57	-0.01	-0.01	-0.20	-7.45e-04	-8.13e-04	0.0
158	58	-0.04	-0.03	-0.18	-4.31e-04	-4.86e-04	0.0

158	59	0.05	0.03	-0.28	-5.67e-04	-7.41e-04	0.0
158	60	-0.03	-0.02	-0.20	5.64e-04	3.75e-04	0.0
158	61	0.03	0.02	-0.25	-8.30e-04	-9.51e-04	0.0
158	62	-0.05	-0.03	-0.18	3.01e-04	1.65e-04	0.0
158	63	0.05	0.03	-0.28	-5.62e-04	-7.38e-04	0.0
158	64	-0.03	-0.02	-0.20	5.69e-04	3.78e-04	0.0
158	65	0.03	0.02	-0.25	-8.35e-04	-9.54e-04	0.0
158	66	-0.05	-0.03	-0.18	2.96e-04	1.61e-04	0.0
158	67	0.05	0.03	-0.27	-5.23e-04	-7.27e-04	0.0
158	68	-0.03	-0.02	-0.20	5.21e-04	3.61e-04	0.0
158	69	0.03	0.02	-0.25	-7.86e-04	-9.37e-04	0.0
158	70	-0.05	-0.03	-0.18	2.57e-04	1.50e-04	0.0
158	71	0.05	0.03	-0.27	-5.18e-04	-7.23e-04	0.0
158	72	-0.03	-0.02	-0.21	5.26e-04	3.64e-04	0.0
158	73	0.03	0.02	-0.25	-7.91e-04	-9.40e-04	0.0
158	74	-0.05	-0.03	-0.18	2.52e-04	1.47e-04	0.0
158	75	0.03	0.02	-0.27	8.97e-05	-1.37e-04	0.0
158	76	0.01	0.01	-0.25	3.70e-04	1.40e-04	0.0
158	77	-0.01	-0.01	-0.20	-6.36e-04	-7.16e-04	0.0
158	78	-0.03	-0.02	-0.18	-3.55e-04	-4.40e-04	0.0
158	79	0.03	0.02	-0.27	1.00e-04	-1.33e-04	0.0
158	80	0.01	0.01	-0.25	3.59e-04	1.36e-04	0.0
158	81	-0.01	-0.01	-0.20	-6.25e-04	-7.13e-04	0.0
158	82	-0.03	-0.02	-0.18	-3.66e-04	-4.43e-04	0.0
158	83	0.03	0.02	-0.27	1.03e-04	-1.27e-04	0.0
158	84	0.01	0.01	-0.25	3.84e-04	1.49e-04	0.0
158	85	-0.01	-0.01	-0.20	-6.49e-04	-7.25e-04	0.0
158	86	-0.03	-0.02	-0.18	-3.69e-04	-4.49e-04	0.0
158	87	0.03	0.02	-0.27	1.14e-04	-1.24e-04	0.0
158	88	0.01	0.01	-0.25	3.73e-04	1.46e-04	0.0
158	89	-0.01	-0.01	-0.20	-6.38e-04	-7.22e-04	0.0
158	90	-0.03	-0.02	-0.18	-3.80e-04	-4.52e-04	0.0
158	91	0.04	0.03	-0.27	-4.91e-04	-6.62e-04	0.0
158	92	-0.02	-0.01	-0.20	4.43e-04	2.60e-04	0.0
158	93	0.02	0.01	-0.25	-7.09e-04	-8.36e-04	0.0
158	94	-0.04	-0.03	-0.18	2.26e-04	8.61e-05	0.0
158	95	0.04	0.03	-0.27	-4.87e-04	-6.59e-04	0.0
158	96	-0.02	-0.01	-0.20	4.47e-04	2.63e-04	0.0
158	97	0.02	0.02	-0.25	-7.13e-04	-8.39e-04	0.0
158	98	-0.04	-0.02	-0.18	2.22e-04	8.33e-05	0.0
158	99	0.04	0.03	-0.27	-4.55e-04	-6.50e-04	0.0
158	100	-0.02	-0.02	-0.21	4.07e-04	2.48e-04	0.0
158	101	0.03	0.02	-0.25	-6.73e-04	-8.24e-04	0.0
158	102	-0.04	-0.03	-0.19	1.90e-04	7.43e-05	0.0
158	103	0.04	0.03	-0.27	-4.51e-04	-6.48e-04	0.0
158	104	-0.02	-0.02	-0.21	4.11e-04	2.51e-04	0.0
158	105	0.03	0.02	-0.24	-6.77e-04	-8.27e-04	0.0
158	106	-0.04	-0.03	-0.19	1.86e-04	7.15e-05	0.0
159	1	6.75e-04	-4.22e-04	-0.25	-5.43e-05	-1.13e-04	0.0
159	2	6.60e-04	8.12e-04	-0.31	-2.86e-04	-6.25e-04	0.0
159	3	5.20e-04	-3.48e-04	-0.19	-3.74e-05	-7.75e-05	0.0
159	4	5.05e-04	8.86e-04	-0.25	-2.69e-04	-5.89e-04	0.0
159	5	5.20e-04	-3.35e-04	-0.19	-3.99e-05	-8.30e-05	0.0
159	6	5.09e-04	4.88e-04	-0.23	-1.94e-04	-4.24e-04	0.0
159	7	5.20e-04	-3.35e-04	-0.19	-3.99e-05	-8.30e-05	0.0
159	8	5.13e-04	2.41e-04	-0.22	-1.48e-04	-3.22e-04	0.0
159	9	5.20e-04	-3.35e-04	-0.19	-3.99e-05	-8.30e-05	0.0
159	10	5.14e-04	1.59e-04	-0.21	-1.33e-04	-2.88e-04	0.0
159	11	0.05	0.04	-0.25	2.06e-04	-5.41e-05	0.0
159	12	0.03	0.02	-0.27	6.36e-04	3.69e-04	0.0
159	13	-0.03	-0.02	-0.16	-9.01e-04	-9.44e-04	0.0
159	14	-0.05	-0.04	-0.17	-4.71e-04	-5.21e-04	0.0
159	15	0.05	0.04	-0.25	2.23e-04	-4.86e-05	0.0
159	16	0.03	0.02	-0.27	6.20e-04	3.63e-04	0.0
159	17	-0.03	-0.02	-0.16	-8.85e-04	-9.39e-04	0.0
159	18	-0.05	-0.04	-0.17	-4.88e-04	-5.26e-04	0.0
159	19	0.05	0.04	-0.26	2.27e-04	-3.94e-05	0.0
159	20	0.03	0.02	-0.27	6.57e-04	3.84e-04	0.0
159	21	-0.03	-0.02	-0.16	-9.22e-04	-9.59e-04	0.0
159	22	-0.05	-0.03	-0.17	-4.92e-04	-5.36e-04	0.0
159	23	0.05	0.04	-0.25	2.43e-04	-3.39e-05	0.0
159	24	0.03	0.02	-0.27	6.40e-04	3.78e-04	0.0

159	25	-0.03	-0.02	-0.16	-9.05e-04	-9.53e-04	0.0
159	26	-0.05	-0.04	-0.17	-5.08e-04	-5.41e-04	0.0
159	27	0.04	0.04	-0.20	-6.83e-04	-8.59e-04	0.0
159	28	-0.02	-0.02	-0.26	7.50e-04	5.51e-04	0.0
159	29	0.02	0.02	-0.17	-1.01e-03	-1.13e-03	0.0
159	30	-0.04	-0.04	-0.23	4.18e-04	2.84e-04	0.0
159	31	0.04	0.04	-0.20	-6.76e-04	-8.55e-04	0.0
159	32	-0.02	-0.02	-0.26	7.56e-04	5.55e-04	0.0
159	33	0.02	0.02	-0.17	-1.02e-03	-1.13e-03	0.0
159	34	-0.04	-0.04	-0.23	4.11e-04	2.80e-04	0.0
159	35	0.04	0.04	-0.20	-6.27e-04	-8.41e-04	0.0
159	36	-0.02	-0.02	-0.26	6.95e-04	5.33e-04	0.0
159	37	0.02	0.02	-0.17	-9.60e-04	-1.11e-03	0.0
159	38	-0.04	-0.04	-0.23	3.62e-04	2.66e-04	0.0
159	39	0.05	0.04	-0.20	-6.21e-04	-8.36e-04	0.0
159	40	-0.02	-0.03	-0.26	7.01e-04	5.37e-04	0.0
159	41	0.02	0.03	-0.17	-9.66e-04	-1.11e-03	0.0
159	42	-0.04	-0.04	-0.23	3.56e-04	2.61e-04	0.0
159	43	0.04	0.03	-0.25	1.37e-04	-1.05e-04	0.0
159	44	0.02	0.01	-0.26	4.76e-04	2.30e-04	0.0
159	45	-0.02	-0.01	-0.17	-7.41e-04	-8.05e-04	0.0
159	46	-0.04	-0.03	-0.18	-4.02e-04	-4.70e-04	0.0
159	47	0.04	0.03	-0.25	1.50e-04	-1.01e-04	0.0
159	48	0.02	0.01	-0.26	4.63e-04	2.25e-04	0.0
159	49	-0.02	-0.01	-0.17	-7.28e-04	-8.01e-04	0.0
159	50	-0.04	-0.03	-0.18	-4.15e-04	-4.75e-04	0.0
159	51	0.04	0.03	-0.25	1.53e-04	-9.36e-05	0.0
159	52	0.02	0.01	-0.26	4.92e-04	2.41e-04	0.0
159	53	-0.02	-0.01	-0.17	-7.57e-04	-8.16e-04	0.0
159	54	-0.04	-0.03	-0.18	-4.18e-04	-4.82e-04	0.0
159	55	0.04	0.03	-0.25	1.66e-04	-8.93e-05	0.0
159	56	0.02	0.01	-0.26	4.79e-04	2.37e-04	0.0
159	57	-0.02	-0.01	-0.17	-7.44e-04	-8.12e-04	0.0
159	58	-0.04	-0.03	-0.18	-4.31e-04	-4.86e-04	0.0
159	59	0.03	0.03	-0.20	-5.66e-04	-7.40e-04	0.0
159	60	-0.02	-0.02	-0.25	5.64e-04	3.75e-04	0.0
159	61	0.02	0.02	-0.18	-8.30e-04	-9.50e-04	0.0
159	62	-0.03	-0.03	-0.22	3.01e-04	1.65e-04	0.0
159	63	0.03	0.03	-0.20	-5.61e-04	-7.37e-04	0.0
159	64	-0.02	-0.02	-0.25	5.69e-04	3.78e-04	0.0
159	65	0.02	0.02	-0.18	-8.34e-04	-9.54e-04	0.0
159	66	-0.03	-0.03	-0.22	2.96e-04	1.62e-04	0.0
159	67	0.04	0.03	-0.20	-5.23e-04	-7.26e-04	0.0
159	68	-0.02	-0.02	-0.25	5.21e-04	3.61e-04	0.0
159	69	0.02	0.02	-0.18	-7.86e-04	-9.36e-04	0.0
159	70	-0.03	-0.03	-0.23	2.58e-04	1.51e-04	0.0
159	71	0.04	0.03	-0.20	-5.18e-04	-7.23e-04	0.0
159	72	-0.02	-0.02	-0.25	5.26e-04	3.64e-04	0.0
159	73	0.02	0.02	-0.18	-7.91e-04	-9.39e-04	0.0
159	74	-0.03	-0.03	-0.23	2.53e-04	1.47e-04	0.0
159	75	0.03	0.02	-0.24	9.00e-05	-1.36e-04	0.0
159	76	0.02	0.01	-0.25	3.70e-04	1.40e-04	0.0
159	77	-0.02	-0.01	-0.18	-6.35e-04	-7.15e-04	0.0
159	78	-0.03	-0.02	-0.19	-3.55e-04	-4.39e-04	0.0
159	79	0.03	0.02	-0.24	1.01e-04	-1.33e-04	0.0
159	80	0.02	0.01	-0.25	3.60e-04	1.37e-04	0.0
159	81	-0.02	-0.01	-0.18	-6.25e-04	-7.12e-04	0.0
159	82	-0.03	-0.02	-0.19	-3.66e-04	-4.43e-04	0.0
159	83	0.03	0.02	-0.24	1.03e-04	-1.27e-04	0.0
159	84	0.02	0.01	-0.25	3.84e-04	1.50e-04	0.0
159	85	-0.02	-0.01	-0.18	-6.49e-04	-7.25e-04	0.0
159	86	-0.03	-0.02	-0.19	-3.68e-04	-4.48e-04	0.0
159	87	0.03	0.02	-0.24	1.14e-04	-1.23e-04	0.0
159	88	0.02	0.01	-0.25	3.73e-04	1.46e-04	0.0
159	89	-0.02	-0.01	-0.18	-6.38e-04	-7.21e-04	0.0
159	90	-0.03	-0.02	-0.19	-3.79e-04	-4.52e-04	0.0
159	91	0.03	0.03	-0.21	-4.91e-04	-6.62e-04	0.0
159	92	-0.01	-0.01	-0.24	4.44e-04	2.60e-04	0.0
159	93	0.01	0.01	-0.19	-7.09e-04	-8.35e-04	0.0
159	94	-0.03	-0.03	-0.22	2.26e-04	8.64e-05	0.0
159	95	0.03	0.03	-0.21	-4.87e-04	-6.59e-04	0.0
159	96	-0.01	-0.01	-0.24	4.48e-04	2.63e-04	0.0

159	97	0.01	0.02	-0.19	-7.13e-04	-8.38e-04	0.0
159	98	-0.03	-0.02	-0.22	2.22e-04	8.36e-05	0.0
159	99	0.03	0.03	-0.20	-4.55e-04	-6.50e-04	0.0
159	100	-0.01	-0.02	-0.24	4.08e-04	2.48e-04	0.0
159	101	0.02	0.02	-0.18	-6.73e-04	-8.24e-04	0.0
159	102	-0.03	-0.03	-0.22	1.90e-04	7.46e-05	0.0
159	103	0.03	0.03	-0.20	-4.51e-04	-6.47e-04	0.0
159	104	-0.01	-0.02	-0.24	4.12e-04	2.51e-04	0.0
159	105	0.02	0.02	-0.18	-6.77e-04	-8.26e-04	0.0
159	106	-0.03	-0.03	-0.22	1.86e-04	7.18e-05	0.0
160	1	-4.31e-05	2.03e-04	-0.27	-7.02e-05	-9.76e-05	0.0
160	2	3.55e-04	1.72e-04	-0.42	-3.53e-04	-5.85e-04	0.0
160	3	-4.07e-05	1.57e-04	-0.21	-4.86e-05	-6.59e-05	0.0
160	4	3.57e-04	1.26e-04	-0.35	-3.31e-04	-5.53e-04	0.0
160	5	-3.64e-05	1.56e-04	-0.21	-5.17e-05	-7.11e-05	0.0
160	6	2.29e-04	1.36e-04	-0.30	-2.40e-04	-3.96e-04	0.0
160	7	-3.64e-05	1.56e-04	-0.21	-5.17e-05	-7.11e-05	0.0
160	8	1.49e-04	1.42e-04	-0.28	-1.84e-04	-2.98e-04	0.0
160	9	-3.64e-05	1.56e-04	-0.21	-5.17e-05	-7.11e-05	0.0
160	10	1.23e-04	1.44e-04	-0.27	-1.65e-04	-2.66e-04	0.0
160	11	0.04	0.04	-0.30	6.02e-05	-1.33e-04	0.0
160	12	0.05	0.02	-0.32	5.40e-04	3.34e-04	0.0
160	13	-0.05	-0.02	-0.21	-8.70e-04	-8.66e-04	0.0
160	14	-0.04	-0.04	-0.23	-3.90e-04	-3.99e-04	0.0
160	15	0.04	0.04	-0.30	7.30e-05	-1.27e-04	0.0
160	16	0.05	0.02	-0.32	5.28e-04	3.27e-04	0.0
160	17	-0.05	-0.02	-0.21	-8.57e-04	-8.59e-04	0.0
160	18	-0.03	-0.04	-0.23	-4.02e-04	-4.05e-04	0.0
160	19	0.04	-0.02	-0.31	7.90e-05	-1.20e-04	0.0
160	20	0.05	-0.04	-0.32	5.59e-04	3.47e-04	0.0
160	21	-0.04	0.04	-0.21	-8.89e-04	-8.79e-04	0.0
160	22	-0.03	0.02	-0.23	-4.08e-04	-4.12e-04	0.0
160	23	0.03	-0.02	-0.30	9.17e-05	-1.14e-04	0.0
160	24	0.05	-0.04	-0.32	5.46e-04	3.40e-04	0.0
160	25	-0.05	0.04	-0.21	-8.76e-04	-8.72e-04	0.0
160	26	-0.03	0.02	-0.23	-4.21e-04	-4.18e-04	0.0
160	27	-4.57e-03	0.04	-0.26	-8.25e-04	-9.34e-04	0.0
160	28	0.03	-0.02	-0.30	7.75e-04	6.22e-04	0.0
160	29	-0.03	0.02	-0.23	-1.10e-03	-1.15e-03	0.0
160	30	4.82e-03	-0.04	-0.28	4.96e-04	4.02e-04	0.0
160	31	-4.70e-03	0.02	-0.26	-8.20e-04	-9.30e-04	0.0
160	32	0.03	-0.04	-0.30	7.81e-04	6.26e-04	0.0
160	33	-0.03	0.04	-0.23	-1.11e-03	-1.16e-03	0.0
160	34	4.95e-03	-0.02	-0.27	4.90e-04	3.98e-04	0.0
160	35	-5.59e-03	0.04	-0.25	-7.83e-04	-9.12e-04	0.0
160	36	0.03	-0.02	-0.31	7.32e-04	6.00e-04	0.0
160	37	-0.03	0.02	-0.22	-1.06e-03	-1.13e-03	0.0
160	38	5.83e-03	-0.04	-0.28	4.53e-04	3.80e-04	0.0
160	39	-5.71e-03	0.02	-0.25	-7.77e-04	-9.08e-04	0.0
160	40	0.03	-0.04	-0.31	7.38e-04	6.03e-04	0.0
160	41	-0.03	0.04	-0.22	-1.07e-03	-1.14e-03	0.0
160	42	5.96e-03	-0.02	-0.28	4.48e-04	3.76e-04	0.0
160	43	0.03	0.03	-0.30	1.37e-05	-1.62e-04	0.0
160	44	0.04	0.02	-0.31	3.94e-04	2.08e-04	0.0
160	45	-0.04	-0.02	-0.22	-7.23e-04	-7.40e-04	0.0
160	46	-0.03	-0.03	-0.24	-3.43e-04	-3.70e-04	0.0
160	47	0.03	0.03	-0.30	2.38e-05	-1.57e-04	0.0
160	48	0.04	0.02	-0.31	3.84e-04	2.02e-04	0.0
160	49	-0.04	-0.02	-0.22	-7.13e-04	-7.34e-04	0.0
160	50	-0.03	-0.03	-0.24	-3.53e-04	-3.75e-04	0.0
160	51	0.03	-0.02	-0.30	2.85e-05	-1.52e-04	0.0
160	52	0.04	-0.03	-0.31	4.08e-04	2.18e-04	0.0
160	53	-0.04	0.03	-0.22	-7.38e-04	-7.50e-04	0.0
160	54	-0.03	0.02	-0.23	-3.58e-04	-3.80e-04	0.0
160	55	0.03	-0.02	-0.30	3.86e-05	-1.47e-04	0.0
160	56	0.04	-0.03	-0.31	3.98e-04	2.12e-04	0.0
160	57	-0.04	0.03	-0.22	-7.28e-04	-7.44e-04	0.0
160	58	-0.03	0.02	-0.24	-3.68e-04	-3.85e-04	0.0
160	59	-3.55e-03	0.03	-0.26	-6.87e-04	-7.96e-04	0.0
160	60	0.02	-0.02	-0.29	5.79e-04	4.37e-04	0.0
160	61	-0.02	0.02	-0.24	-9.08e-04	-9.69e-04	0.0
160	62	3.80e-03	-0.03	-0.27	3.58e-04	2.64e-04	0.0

160	63	-3.67e-03	0.02	-0.26	-6.83e-04	-7.93e-04	0.0
160	64	0.02	-0.03	-0.30	5.83e-04	4.40e-04	0.0
160	65	-0.02	0.03	-0.24	-9.13e-04	-9.72e-04	0.0
160	66	3.92e-03	-0.02	-0.27	3.54e-04	2.61e-04	0.0
160	67	-4.35e-03	0.03	-0.25	-6.54e-04	-7.78e-04	0.0
160	68	0.02	-0.01	-0.30	5.45e-04	4.19e-04	0.0
160	69	-0.02	0.02	-0.23	-8.75e-04	-9.51e-04	0.0
160	70	4.60e-03	-0.03	-0.28	3.24e-04	2.46e-04	0.0
160	71	-4.47e-03	0.02	-0.25	-6.49e-04	-7.75e-04	0.0
160	72	0.02	-0.03	-0.30	5.50e-04	4.22e-04	0.0
160	73	-0.02	0.03	-0.23	-8.79e-04	-9.54e-04	0.0
160	74	4.72e-03	-0.01	-0.28	3.20e-04	2.43e-04	0.0
160	75	0.02	0.03	-0.29	-1.73e-05	-1.80e-04	0.0
160	76	0.03	0.01	-0.30	2.97e-04	1.26e-04	0.0
160	77	-0.03	-0.01	-0.23	-6.26e-04	-6.58e-04	0.0
160	78	-0.02	-0.03	-0.24	-3.12e-04	-3.52e-04	0.0
160	79	0.02	0.03	-0.29	-8.93e-06	-1.76e-04	0.0
160	80	0.03	0.01	-0.30	2.88e-04	1.21e-04	0.0
160	81	-0.03	-0.01	-0.23	-6.18e-04	-6.53e-04	0.0
160	82	-0.02	-0.02	-0.24	-3.20e-04	-3.56e-04	0.0
160	83	0.02	-0.01	-0.29	-5.00e-06	-1.72e-04	0.0
160	84	0.03	-0.03	-0.30	3.09e-04	1.34e-04	0.0
160	85	-0.03	0.03	-0.23	-6.38e-04	-6.66e-04	0.0
160	86	-0.02	0.01	-0.24	-3.24e-04	-3.60e-04	0.0
160	87	0.02	-0.01	-0.29	3.32e-06	-1.67e-04	0.0
160	88	0.03	-0.02	-0.30	3.01e-04	1.30e-04	0.0
160	89	-0.03	0.03	-0.23	-6.30e-04	-6.62e-04	0.0
160	90	-0.02	0.01	-0.24	-3.33e-04	-3.65e-04	0.0
160	91	-2.91e-03	0.03	-0.26	-5.97e-04	-7.04e-04	0.0
160	92	0.02	-0.01	-0.29	4.50e-04	3.15e-04	0.0
160	93	-0.02	0.01	-0.24	-7.79e-04	-8.47e-04	0.0
160	94	3.16e-03	-0.03	-0.27	2.67e-04	1.72e-04	0.0
160	95	-3.01e-03	0.01	-0.26	-5.93e-04	-7.01e-04	0.0
160	96	0.02	-0.03	-0.29	4.54e-04	3.17e-04	0.0
160	97	-0.02	0.03	-0.24	-7.83e-04	-8.49e-04	0.0
160	98	3.26e-03	-0.01	-0.27	2.64e-04	1.69e-04	0.0
160	99	-3.58e-03	0.02	-0.26	-5.69e-04	-6.89e-04	0.0
160	100	0.02	-0.01	-0.29	4.22e-04	3.00e-04	0.0
160	101	-0.02	0.01	-0.24	-7.52e-04	-8.32e-04	0.0
160	102	3.82e-03	-0.02	-0.28	2.40e-04	1.57e-04	0.0
160	103	-3.68e-03	0.01	-0.26	-5.65e-04	-6.87e-04	0.0
160	104	0.02	-0.02	-0.29	4.26e-04	3.03e-04	0.0
160	105	-0.02	0.02	-0.24	-7.55e-04	-8.35e-04	0.0
160	106	3.92e-03	-0.01	-0.27	2.36e-04	1.55e-04	0.0
161	1	5.95e-05	-1.33e-04	-0.27	-1.46e-04	3.04e-05	0.0
161	2	-3.34e-04	3.14e-04	-0.36	-4.51e-04	1.75e-04	0.0
161	3	5.32e-05	-1.11e-04	-0.20	-1.06e-04	2.06e-05	0.0
161	4	-3.41e-04	3.37e-04	-0.30	-4.11e-04	1.65e-04	0.0
161	5	4.90e-05	-1.06e-04	-0.20	-1.10e-04	2.22e-05	0.0
161	6	-2.14e-04	1.92e-04	-0.27	-3.13e-04	1.18e-04	0.0
161	7	4.90e-05	-1.06e-04	-0.20	-1.10e-04	2.22e-05	0.0
161	8	-1.35e-04	1.03e-04	-0.25	-2.52e-04	8.95e-05	0.0
161	9	4.90e-05	-1.06e-04	-0.20	-1.10e-04	2.22e-05	0.0
161	10	-1.08e-04	7.29e-05	-0.24	-2.32e-04	7.99e-05	0.0
161	11	0.03	0.01	-0.08	-9.14e-04	3.70e-04	0.0
161	12	0.05	-0.03	-0.32	9.46e-04	2.48e-05	0.0
161	13	-0.05	0.03	-0.16	-1.41e-03	1.35e-04	0.0
161	14	-0.03	-0.01	-0.40	4.51e-04	-2.10e-04	0.0
161	15	0.03	0.01	-0.08	-9.48e-04	3.82e-04	0.0
161	16	0.05	-0.03	-0.33	9.80e-04	1.34e-05	0.0
161	17	-0.05	0.03	-0.16	-1.44e-03	1.46e-04	0.0
161	18	-0.03	-0.01	-0.41	4.85e-04	-2.22e-04	0.0
161	19	0.03	0.03	-0.09	-1.34e-03	3.65e-04	0.0
161	20	0.04	-0.01	-0.33	5.18e-04	2.01e-05	0.0
161	21	-0.04	0.01	-0.16	-9.81e-04	1.40e-04	0.0
161	22	-0.03	-0.03	-0.39	8.79e-04	-2.06e-04	0.0
161	23	0.03	0.03	-0.08	-1.38e-03	3.77e-04	0.0
161	24	0.05	-0.01	-0.33	5.52e-04	8.70e-06	0.0
161	25	-0.05	0.01	-0.15	-1.02e-03	1.51e-04	0.0
161	26	-0.03	-0.03	-0.40	9.13e-04	-2.17e-04	0.0
161	27	-6.86e-03	0.06	0.17	-3.26e-03	6.91e-04	0.0
161	28	0.03	-0.07	-0.63	2.94e-03	-4.60e-04	0.0

161	29	-0.03	0.07	0.14	-3.41e-03	6.20e-04	0.0
161	30	6.64e-03	-0.06	-0.65	2.79e-03	-5.31e-04	0.0
161	31	-7.08e-03	0.07	0.17	-3.39e-03	6.89e-04	0.0
161	32	0.03	-0.06	-0.63	2.81e-03	-4.62e-04	0.0
161	33	-0.03	0.06	0.15	-3.28e-03	6.22e-04	0.0
161	34	6.86e-03	-0.07	-0.65	2.92e-03	-5.29e-04	0.0
161	35	-8.13e-03	0.07	0.18	-3.37e-03	7.29e-04	0.0
161	36	0.03	-0.07	-0.64	3.06e-03	-4.98e-04	0.0
161	37	-0.03	0.07	0.16	-3.52e-03	6.58e-04	0.0
161	38	7.91e-03	-0.07	-0.67	2.91e-03	-5.69e-04	0.0
161	39	-8.35e-03	0.07	0.18	-3.50e-03	7.27e-04	0.0
161	40	0.03	-0.07	-0.65	2.93e-03	-5.00e-04	0.0
161	41	-0.03	0.07	0.16	-3.39e-03	6.60e-04	0.0
161	42	8.13e-03	-0.07	-0.67	3.04e-03	-5.67e-04	0.0
161	43	0.03	8.79e-03	-0.12	-7.72e-04	3.10e-04	0.0
161	44	0.04	-0.02	-0.31	7.02e-04	3.62e-05	0.0
161	45	-0.04	0.02	-0.18	-1.17e-03	1.24e-04	0.0
161	46	-0.03	-8.65e-03	-0.37	3.09e-04	-1.50e-04	0.0
161	47	0.03	9.88e-03	-0.11	-7.99e-04	3.19e-04	0.0
161	48	0.04	-0.02	-0.31	7.29e-04	2.71e-05	0.0
161	49	-0.04	0.02	-0.17	-1.19e-03	1.33e-04	0.0
161	50	-0.03	-9.74e-03	-0.37	3.36e-04	-1.59e-04	0.0
161	51	0.03	0.02	-0.12	-1.11e-03	3.06e-04	0.0
161	52	0.04	-9.29e-03	-0.31	3.62e-04	3.24e-05	0.0
161	53	-0.04	9.43e-03	-0.17	-8.26e-04	1.27e-04	0.0
161	54	-0.03	-0.02	-0.36	6.49e-04	-1.46e-04	0.0
161	55	0.03	0.02	-0.12	-1.14e-03	3.15e-04	0.0
161	56	0.04	-0.01	-0.31	3.89e-04	2.34e-05	0.0
161	57	-0.04	0.01	-0.17	-8.53e-04	1.36e-04	0.0
161	58	-0.03	-0.02	-0.37	6.76e-04	-1.55e-04	0.0
161	59	-5.39e-03	0.05	0.08	-2.63e-03	5.64e-04	0.0
161	60	0.02	-0.05	-0.55	2.28e-03	-3.48e-04	0.0
161	61	-0.02	0.05	0.06	-2.75e-03	5.08e-04	0.0
161	62	5.17e-03	-0.05	-0.57	2.17e-03	-4.04e-04	0.0
161	63	-5.58e-03	0.05	0.08	-2.73e-03	5.63e-04	0.0
161	64	0.02	-0.05	-0.55	2.18e-03	-3.49e-04	0.0
161	65	-0.02	0.05	0.07	-2.65e-03	5.09e-04	0.0
161	66	5.37e-03	-0.05	-0.57	2.27e-03	-4.03e-04	0.0
161	67	-6.40e-03	0.05	0.10	-2.72e-03	5.94e-04	0.0
161	68	0.02	-0.06	-0.56	2.37e-03	-3.78e-04	0.0
161	69	-0.03	0.06	0.08	-2.84e-03	5.38e-04	0.0
161	70	6.18e-03	-0.05	-0.58	2.26e-03	-4.34e-04	0.0
161	71	-6.60e-03	0.06	0.09	-2.82e-03	5.93e-04	0.0
161	72	0.02	-0.05	-0.56	2.27e-03	-3.80e-04	0.0
161	73	-0.03	0.05	0.08	-2.74e-03	5.39e-04	0.0
161	74	6.38e-03	-0.06	-0.58	2.36e-03	-4.33e-04	0.0
161	75	0.02	7.27e-03	-0.14	-6.79e-04	2.70e-04	0.0
161	76	0.03	-0.02	-0.29	5.40e-04	4.37e-05	0.0
161	77	-0.03	0.02	-0.19	-1.00e-03	1.16e-04	0.0
161	78	-0.02	-7.12e-03	-0.35	2.15e-04	-1.10e-04	0.0
161	79	0.02	8.17e-03	-0.13	-7.01e-04	2.77e-04	0.0
161	80	0.03	-0.02	-0.30	5.62e-04	3.63e-05	0.0
161	81	-0.03	0.02	-0.19	-1.03e-03	1.24e-04	0.0
161	82	-0.02	-8.02e-03	-0.35	2.38e-04	-1.18e-04	0.0
161	83	0.02	0.02	-0.14	-9.59e-04	2.67e-04	0.0
161	84	0.03	-7.65e-03	-0.30	2.59e-04	4.07e-05	0.0
161	85	-0.03	7.80e-03	-0.19	-7.22e-04	1.19e-04	0.0
161	86	-0.02	-0.02	-0.34	4.96e-04	-1.07e-04	0.0
161	87	0.02	0.02	-0.14	-9.81e-04	2.74e-04	0.0
161	88	0.03	-8.55e-03	-0.30	2.82e-04	3.32e-05	0.0
161	89	-0.03	8.70e-03	-0.18	-7.45e-04	1.27e-04	0.0
161	90	-0.02	-0.02	-0.34	5.18e-04	-1.14e-04	0.0
161	91	-4.47e-03	0.04	0.03	-2.21e-03	4.80e-04	0.0
161	92	0.02	-0.04	-0.49	1.85e-03	-2.74e-04	0.0
161	93	-0.02	0.05	0.01	-2.31e-03	4.34e-04	0.0
161	94	4.25e-03	-0.04	-0.51	1.75e-03	-3.20e-04	0.0
161	95	-4.63e-03	0.04	0.03	-2.30e-03	4.79e-04	0.0
161	96	0.02	-0.04	-0.50	1.76e-03	-2.75e-04	0.0
161	97	-0.02	0.04	0.01	-2.23e-03	4.35e-04	0.0
161	98	4.42e-03	-0.04	-0.51	1.83e-03	-3.19e-04	0.0
161	99	-5.31e-03	0.04	0.04	-2.29e-03	5.05e-04	0.0
161	100	0.02	-0.05	-0.51	1.92e-03	-2.99e-04	0.0

161	101	-0.02	0.05	0.02	-2.39e-03	4.59e-04	0.0
161	102	5.09e-03	-0.04	-0.52	1.82e-03	-3.45e-04	0.0
161	103	-5.47e-03	0.05	0.04	-2.37e-03	5.04e-04	0.0
161	104	0.02	-0.04	-0.51	1.84e-03	-3.00e-04	0.0
161	105	-0.02	0.04	0.02	-2.30e-03	4.60e-04	0.0
161	106	5.25e-03	-0.05	-0.52	1.91e-03	-3.44e-04	0.0

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-0.54	-2.66	-0.83	-6.28e-03	-2.23e-03	-2.24e-03
	0.49	2.90	0.23	5.63e-03	2.56e-03	2.09e-03

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sotto riportate.

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (espresse nel riferimento globale della struttura) per ogni palo componente l'opera.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	codice corrispondente al nome assegnato al tipo di plinto di fondazione: 3) palo singolo (*PALO*) 4) plinto su palo 5) plinto su due pali (*PL.2P*) 6) plinto su tre pali (*PL.3P*) 7) plinto su quattro pali (*PL.4P*) 8) plinto rettangolare su cinque pali (*PL.5P.R*) 9) plinto pentagonale su cinque pali (*PL.5P*) 10) plinto su sei pali (*PL.6P*)
Palo	numero del palo
Comb.	combinazione di carico in cui si verificano le sei componenti di sollecitazione.
Quota	quota assoluta della sezione del palo per cui si riportano le sei componenti di sollecitazione.

L'azione Fz (corrispondente allo sforzo normale nel palo) è costante poiché il peso del palo stesso non è considerato nella modellazione.

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	Codice identificativo del nome assegnato al plinto
area	area dell'impronta del plinto
Wink O **Wink V**	coefficienti di Winkler (orizzontale e verticale) adottati
Comb	Combinazione di carico in cui si verificano i valori riportati
Pt (P1 P2 P3 P4)	valori di pressione nei vertici

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

Nodo (G)	**Pt 1/12** daN/cm2	**Pt 2/13** daN/cm2	**Pt 3...** daN/cm2	**Pt 4...** daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-0.22	-0.35	-0.17	-0.30	-0.17	-0.25	-0.17	-0.23	-0.17	-0.22	-0.18
	-0.10	-0.34	-0.26	-0.18	-0.11	-0.33	-0.26	-0.18	-0.10	-0.34	-0.26
	-0.18	-0.10	-0.34	-0.26	-0.33	-0.07	-0.37	-0.11	-0.33	-0.07	-0.37
	-0.11	-0.32	-0.07	-0.37	-0.12	-0.32	-0.07	-0.37	-0.12	-0.19	-0.13
	-0.31	-0.25	-0.19	-0.13	-0.31	-0.25	-0.19	-0.13	-0.31	-0.25	-0.19
	-0.13	-0.31	-0.25	-0.31	-0.10	-0.34	-0.13	-0.30	-0.10	-0.34	-0.14
	-0.30	-0.11	-0.33	-0.14	-0.30	-0.10	-0.34	-0.14	-0.20	-0.14	-0.30
	-0.24	-0.19	-0.15	-0.29	-0.25	-0.19	-0.14	-0.30	-0.25	-0.19	-0.14
	-0.30	-0.25	-0.29	-0.12	-0.32	-0.15	-0.29	-0.12	-0.32	-0.15	-0.28
	-0.13	-0.31	-0.16	-0.28	-0.12	-0.32	-0.16				
3	-0.21	-0.32	-0.16	-0.27	-0.16	-0.24	-0.16	-0.21	-0.16	-0.21	-0.21
	-0.18	-0.23	-0.20	-0.21	-0.18	-0.23	-0.20	-0.21	-0.19	-0.23	-0.20
	-0.21	-0.19	-0.23	-0.20	-0.25	-0.16	-0.26	-0.16	-0.25	-0.16	-0.26
	-0.16	-0.25	-0.16	-0.26	-0.17	-0.25	-0.16	-0.25	-0.17	-0.21	-0.19
	-0.23	-0.20	-0.21	-0.19	-0.23	-0.21	-0.21	-0.19	-0.23	-0.20	-0.21
	-0.19	-0.22	-0.20	-0.24	-0.17	-0.25	-0.17	-0.24	-0.17	-0.25	-0.17
	-0.24	-0.17	-0.25	-0.17	-0.24	-0.17	-0.24	-0.17	-0.21	-0.19	-0.22
	-0.21	-0.21	-0.19	-0.22	-0.21	-0.21	-0.19	-0.22	-0.20	-0.21	-0.19
	-0.22	-0.20	-0.24	-0.18	-0.24	-0.18	-0.24	-0.18	-0.24	-0.18	-0.23
	-0.18	-0.24	-0.18	-0.24	-0.18	-0.24	-0.18				
7	-0.21	-0.29	-0.16	-0.24	-0.16	-0.22	-0.16	-0.20	-0.16	-0.19	-0.17
	-0.13	-0.26	-0.22	-0.16	-0.13	-0.26	-0.22	-0.17	-0.12	-0.26	-0.22
	-0.16	-0.13	-0.26	-0.23	-0.25	-0.11	-0.28	-0.14	-0.25	-0.11	-0.28
	-0.14	-0.24	-0.12	-0.27	-0.15	-0.24	-0.12	-0.27	-0.15	-0.17	-0.14
	-0.25	-0.22	-0.17	-0.14	-0.25	-0.22	-0.17	-0.14	-0.25	-0.22	-0.17
	-0.14	-0.25	-0.22	-0.24	-0.13	-0.26	-0.15	-0.24	-0.13	-0.26	-0.15
	-0.23	-0.13	-0.26	-0.16	-0.23	-0.13	-0.26	-0.16	-0.18	-0.15	-0.24
	-0.21	-0.18	-0.15	-0.24	-0.21	-0.18	-0.15	-0.24	-0.21	-0.17	-0.15
	-0.24	-0.21	-0.23	-0.14	-0.25	-0.16	-0.23	-0.14	-0.25	-0.16	-0.23

	-0.14	-0.24	-0.16	-0.23	-0.14	-0.24	-0.16				
10	-0.21	-0.27	-0.16	-0.22	-0.16	-0.20	-0.16	-0.19	-0.16	-0.18	-0.22
	-0.24	-0.13	-0.15	-0.22	-0.24	-0.13	-0.15	-0.22	-0.24	-0.12	-0.15
	-0.22	-0.24	-0.12	-0.15	-0.16	-0.23	-0.13	-0.21	-0.16	-0.24	-0.13
	-0.21	-0.16	-0.23	-0.13	-0.21	-0.16	-0.23	-0.13	-0.20	-0.21	-0.23
	-0.14	-0.16	-0.21	-0.23	-0.14	-0.15	-0.21	-0.23	-0.14	-0.15	-0.21
	-0.23	-0.14	-0.15	-0.16	-0.22	-0.14	-0.20	-0.17	-0.22	-0.14	-0.20
	-0.17	-0.22	-0.14	-0.20	-0.17	-0.22	-0.14	-0.20	-0.21	-0.22	-0.15
	-0.16	-0.21	-0.22	-0.15	-0.16	-0.21	-0.22	-0.14	-0.16	-0.21	-0.22
	-0.14	-0.16	-0.17	-0.22	-0.15	-0.20	-0.17	-0.22	-0.15	-0.20	-0.17
	-0.22	-0.15	-0.20	-0.17	-0.22	-0.15	-0.20				
14	-0.22	-0.36	-0.17	-0.30	-0.17	-0.26	-0.17	-0.23	-0.17	-0.22	-0.23
	-0.19	-0.25	-0.22	-0.23	-0.19	-0.25	-0.22	-0.23	-0.19	-0.25	-0.22
	-0.23	-0.19	-0.25	-0.22	-0.28	-0.16	-0.28	-0.17	-0.28	-0.16	-0.28
	-0.17	-0.28	-0.16	-0.29	-0.17	-0.28	-0.16	-0.29	-0.17	-0.23	-0.20
	-0.25	-0.22	-0.23	-0.20	-0.25	-0.22	-0.23	-0.20	-0.25	-0.22	-0.23
	-0.20	-0.25	-0.22	-0.27	-0.17	-0.27	-0.18	-0.27	-0.17	-0.27	-0.18
	-0.27	-0.17	-0.27	-0.18	-0.27	-0.17	-0.27	-0.18	-0.23	-0.20	-0.24
	-0.22	-0.23	-0.20	-0.24	-0.22	-0.23	-0.20	-0.24	-0.22	-0.23	-0.20
	-0.24	-0.22	-0.26	-0.18	-0.26	-0.19	-0.26	-0.18	-0.26	-0.19	-0.26
	-0.18	-0.26	-0.19	-0.26	-0.18	-0.26	-0.19				
15	-0.21	-0.30	-0.16	-0.25	-0.16	-0.22	-0.16	-0.20	-0.16	-0.20	-0.24
	-0.27	-0.13	-0.15	-0.24	-0.26	-0.13	-0.15	-0.24	-0.27	-0.13	-0.15
	-0.24	-0.27	-0.13	-0.15	-0.18	-0.25	-0.14	-0.22	-0.18	-0.25	-0.14
	-0.22	-0.18	-0.25	-0.14	-0.22	-0.18	-0.25	-0.14	-0.22	-0.23	-0.25
	-0.14	-0.16	-0.23	-0.25	-0.14	-0.16	-0.23	-0.25	-0.14	-0.16	-0.23
	-0.25	-0.14	-0.16	-0.18	-0.24	-0.15	-0.21	-0.18	-0.24	-0.15	-0.21
	-0.18	-0.24	-0.16	-0.21	-0.18	-0.24	-0.16	-0.21	-0.23	-0.24	-0.15
	-0.17	-0.23	-0.24	-0.15	-0.17	-0.23	-0.24	-0.15	-0.17	-0.23	-0.24
	-0.15	-0.17	-0.18	-0.23	-0.16	-0.21	-0.18	-0.23	-0.16	-0.21	-0.19
	-0.23	-0.16	-0.21	-0.19	-0.23	-0.16	-0.21				
21	-0.22	-0.34	-0.16	-0.29	-0.17	-0.25	-0.17	-0.22	-0.17	-0.22	-0.18
	-0.22	-0.22	-0.25	-0.18	-0.21	-0.22	-0.25	-0.18	-0.21	-0.22	-0.25
	-0.18	-0.21	-0.22	-0.25	-0.15	-0.27	-0.17	-0.28	-0.15	-0.27	-0.17
	-0.28	-0.16	-0.26	-0.17	-0.28	-0.16	-0.26	-0.17	-0.28	-0.19	-0.22
	-0.22	-0.24	-0.19	-0.22	-0.22	-0.24	-0.19	-0.21	-0.22	-0.24	-0.19
	-0.21	-0.22	-0.24	-0.17	-0.26	-0.18	-0.26	-0.17	-0.26	-0.18	-0.26
	-0.17	-0.25	-0.18	-0.26	-0.17	-0.25	-0.18	-0.26	-0.19	-0.22	-0.22
	-0.24	-0.19	-0.22	-0.22	-0.24	-0.19	-0.21	-0.22	-0.24	-0.19	-0.21
	-0.22	-0.24	-0.18	-0.25	-0.18	-0.26	-0.18	-0.25	-0.18	-0.26	-0.18
	-0.25	-0.18	-0.25	-0.18	-0.25	-0.18	-0.25				
23	-0.22	-0.38	-0.17	-0.33	-0.17	-0.28	-0.17	-0.24	-0.17	-0.23	-0.22
	-0.17	-0.30	-0.24	-0.22	-0.17	-0.30	-0.24	-0.22	-0.17	-0.30	-0.25
	-0.22	-0.17	-0.30	-0.25	-0.31	-0.13	-0.34	-0.15	-0.31	-0.13	-0.34
	-0.15	-0.31	-0.13	-0.33	-0.16	-0.31	-0.13	-0.33	-0.16	-0.23	-0.18
	-0.28	-0.24	-0.23	-0.18	-0.28	-0.24	-0.23	-0.18	-0.29	-0.24	-0.22
	-0.18	-0.29	-0.24	-0.30	-0.15	-0.31	-0.17	-0.30	-0.15	-0.32	-0.17
	-0.30	-0.16	-0.31	-0.17	-0.29	-0.15	-0.31	-0.17	-0.23	-0.19	-0.28
	-0.24	-0.23	-0.19	-0.28	-0.24	-0.23	-0.19	-0.28	-0.24	-0.23	-0.19
	-0.28	-0.24	-0.29	-0.17	-0.30	-0.18	-0.29	-0.17	-0.30	-0.18	-0.28
	-0.17	-0.30	-0.18	-0.28	-0.17	-0.30	-0.18				
29	-0.22	-0.33	-0.17	-0.28	-0.17	-0.24	-0.17	-0.22	-0.17	-0.21	-0.15
	-0.21	-0.22	-0.28	-0.15	-0.21	-0.22	-0.27	-0.15	-0.21	-0.22	-0.27
	-0.16	-0.21	-0.22	-0.27	-0.11	-0.30	-0.13	-0.32	-0.11	-0.30	-0.13
	-0.32	-0.12	-0.29	-0.14	-0.31	-0.12	-0.29	-0.14	-0.31	-0.17	-0.21
	-0.22	-0.26	-0.17	-0.21	-0.22	-0.26	-0.17	-0.21	-0.22	-0.26	-0.17
	-0.21	-0.22	-0.26	-0.13	-0.28	-0.15	-0.30	-0.13	-0.28	-0.15	-0.29
	-0.14	-0.27	-0.15	-0.29	-0.14	-0.28	-0.15	-0.29	-0.17	-0.21	-0.22
	-0.25	-0.17	-0.21	-0.22	-0.25	-0.18	-0.21	-0.22	-0.25	-0.18	-0.21
	-0.22	-0.25	-0.15	-0.27	-0.16	-0.28	-0.15	-0.27	-0.16	-0.28	-0.15
	-0.26	-0.16	-0.28	-0.15	-0.26	-0.16	-0.28				
31	-0.23	-0.38	-0.18	-0.32	-0.18	-0.28	-0.18	-0.25	-0.18	-0.24	-0.22
	-0.14	-0.34	-0.25	-0.22	-0.14	-0.33	-0.25	-0.22	-0.14	-0.34	-0.26
	-0.22	-0.14	-0.34	-0.26	-0.36	-0.08	-0.39	-0.11	-0.36	-0.08	-0.40
	-0.12	-0.35	-0.09	-0.38	-0.12	-0.35	-0.09	-0.39	-0.13	-0.23	-0.16
	-0.31	-0.25	-0.22	-0.16	-0.31	-0.25	-0.22	-0.16	-0.32	-0.25	-0.22
	-0.16	-0.32	-0.25	-0.33	-0.11	-0.36	-0.14	-0.33	-0.11	-0.36	-0.14
	-0.33	-0.12	-0.35	-0.15	-0.33	-0.12	-0.35	-0.15	-0.23	-0.17	-0.30
	-0.25	-0.23	-0.18	-0.30	-0.25	-0.23	-0.17	-0.30	-0.25	-0.22	-0.17
	-0.30	-0.25	-0.32	-0.14	-0.34	-0.16	-0.32	-0.13	-0.34	-0.16	-0.31
	-0.14	-0.33	-0.16	-0.31	-0.14	-0.33	-0.16				
39	-0.22	-0.31	-0.17	-0.26	-0.17	-0.23	-0.17	-0.21	-0.17	-0.21	-0.14

	-0.24	-0.17	-0.27	-0.14	-0.24	-0.17	-0.28	-0.14	-0.24	-0.17	-0.27
	-0.14	-0.24	-0.17	-0.27	-0.03	-0.37	-0.04	-0.38	-0.03	-0.37	-0.04
	-0.38	-0.03	-0.38	-0.04	-0.39	-0.03	-0.38	-0.04	-0.39	-0.15	-0.23
	-0.18	-0.26	-0.15	-0.23	-0.18	-0.26	-0.15	-0.23	-0.18	-0.26	-0.15
	-0.24	-0.18	-0.26	-0.07	-0.34	-0.08	-0.34	-0.07	-0.34	-0.08	-0.34
	-0.06	-0.34	-0.07	-0.35	-0.06	-0.34	-0.07	-0.35	-0.16	-0.23	-0.18
	-0.25	-0.16	-0.23	-0.18	-0.25	-0.16	-0.23	-0.18	-0.25	-0.16	-0.23
	-0.18	-0.25	-0.09	-0.31	-0.10	-0.32	-0.09	-0.31	-0.10	-0.32	-0.09
	-0.32	-0.09	-0.32	-0.09	-0.32	-0.09	-0.32				
40	-0.23	-0.35	-0.18	-0.29	-0.18	-0.26	-0.18	-0.23	-0.18	-0.23	-0.24
	-0.19	-0.26	-0.21	-0.24	-0.19	-0.26	-0.21	-0.24	-0.19	-0.26	-0.21
	-0.25	-0.19	-0.26	-0.21	-0.31	-0.14	-0.31	-0.14	-0.31	-0.14	-0.31
	-0.14	-0.31	-0.14	-0.31	-0.14	-0.31	-0.14	-0.31	-0.14	-0.24	-0.20
	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21	-0.24
	-0.20	-0.25	-0.21	-0.29	-0.16	-0.29	-0.16	-0.29	-0.16	-0.29	-0.16
	-0.29	-0.15	-0.30	-0.16	-0.29	-0.15	-0.30	-0.16	-0.24	-0.20	-0.25
	-0.21	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20
	-0.25	-0.21	-0.28	-0.17	-0.28	-0.17	-0.28	-0.17	-0.28	-0.17	-0.28
	-0.17	-0.28	-0.17	-0.28	-0.17	-0.28	-0.17				
47	-0.24	-0.32	-0.18	-0.26	-0.18	-0.23	-0.18	-0.22	-0.18	-0.21	-0.20
	-0.17	-0.25	-0.22	-0.20	-0.18	-0.25	-0.23	-0.20	-0.17	-0.25	-0.23
	-0.20	-0.17	-0.25	-0.23	-0.25	-0.16	-0.26	-0.18	-0.25	-0.16	-0.26
	-0.18	-0.25	-0.16	-0.26	-0.18	-0.25	-0.16	-0.26	-0.18	-0.20	-0.18
	-0.24	-0.22	-0.20	-0.18	-0.24	-0.22	-0.20	-0.18	-0.24	-0.22	-0.20
	-0.18	-0.24	-0.22	-0.24	-0.17	-0.25	-0.18	-0.24	-0.17	-0.25	-0.18
	-0.24	-0.17	-0.25	-0.19	-0.24	-0.17	-0.25	-0.19	-0.20	-0.19	-0.24
	-0.22	-0.20	-0.19	-0.24	-0.22	-0.20	-0.19	-0.24	-0.22	-0.20	-0.19
	-0.24	-0.22	-0.24	-0.18	-0.25	-0.19	-0.24	-0.18	-0.25	-0.19	-0.23
	-0.18	-0.24	-0.19	-0.23	-0.18	-0.24	-0.19				
49	-0.25	-0.35	-0.19	-0.29	-0.19	-0.26	-0.19	-0.24	-0.19	-0.23	-0.29
	-0.10	-0.36	-0.17	-0.29	-0.10	-0.37	-0.17	-0.36	-0.17	-0.29	-0.10
	-0.36	-0.17	-0.30	-0.10	-0.53	0.09	-0.55	0.07	-0.55	0.07	-0.53
	0.09	-0.55	0.11	-0.57	0.09	-0.57	0.09	-0.55	0.11	-0.28	-0.13
	-0.33	-0.19	-0.28	-0.12	-0.34	-0.18	-0.33	-0.18	-0.28	-0.13	-0.34
	-0.18	-0.28	-0.13	-0.47	0.02	-0.49	5.95e-03	-0.48	6.73e-03	-0.47	0.02
	-0.48	0.04	-0.50	0.02	-0.50	0.02	-0.48	0.04	-0.27	-0.15	-0.32
	-0.19	-0.27	-0.14	-0.32	-0.19	-0.31	-0.19	-0.27	-0.15	-0.32	-0.19
	-0.27	-0.14	-0.43	-0.02	-0.44	-0.04	-0.44	-0.03	-0.43	-0.02	-0.44
	-9.33e-03	-0.45	-0.02	-0.45	-0.02	-0.44	-9.97e-03				
55	-0.22	-0.33	-0.17	-0.27	-0.17	-0.24	-0.17	-0.22	-0.17	-0.21	-0.15
	-0.21	-0.22	-0.27	-0.15	-0.20	-0.22	-0.27	-0.15	-0.21	-0.21	-0.27
	-0.15	-0.21	-0.22	-0.27	-0.11	-0.30	-0.13	-0.32	-0.11	-0.30	-0.13
	-0.32	-0.11	-0.29	-0.13	-0.31	-0.11	-0.29	-0.13	-0.31	-0.16	-0.21
	-0.21	-0.26	-0.16	-0.21	-0.22	-0.26	-0.16	-0.21	-0.21	-0.26	-0.17
	-0.21	-0.21	-0.26	-0.13	-0.28	-0.14	-0.29	-0.13	-0.28	-0.14	-0.29
	-0.13	-0.27	-0.15	-0.29	-0.13	-0.27	-0.15	-0.29	-0.17	-0.21	-0.21
	-0.25	-0.17	-0.21	-0.22	-0.25	-0.17	-0.21	-0.21	-0.25	-0.17	-0.21
	-0.21	-0.25	-0.14	-0.27	-0.16	-0.28	-0.14	-0.27	-0.15	-0.28	-0.15
	-0.26	-0.16	-0.28	-0.15	-0.26	-0.16	-0.28				
60	-0.21	-0.34	-0.16	-0.29	-0.16	-0.25	-0.16	-0.22	-0.16	-0.21	-0.18
	-0.21	-0.22	-0.25	-0.18	-0.21	-0.22	-0.25	-0.18	-0.21	-0.22	-0.25
	-0.18	-0.21	-0.22	-0.25	-0.15	-0.26	-0.17	-0.28	-0.15	-0.26	-0.17
	-0.28	-0.15	-0.26	-0.17	-0.28	-0.15	-0.26	-0.17	-0.28	-0.19	-0.21
	-0.22	-0.24	-0.19	-0.21	-0.22	-0.24	-0.19	-0.21	-0.22	-0.24	-0.19
	-0.21	-0.22	-0.24	-0.17	-0.25	-0.18	-0.26	-0.17	-0.25	-0.18	-0.26
	-0.17	-0.25	-0.18	-0.26	-0.17	-0.25	-0.18	-0.26	-0.19	-0.21	-0.22
	-0.24	-0.19	-0.21	-0.22	-0.24	-0.19	-0.21	-0.22	-0.24	-0.19	-0.21
	-0.22	-0.24	-0.17	-0.25	-0.18	-0.26	-0.17	-0.25	-0.18	-0.26	-0.17
	-0.25	-0.18	-0.25	-0.17	-0.25	-0.18	-0.25				
61	-0.22	-0.36	-0.17	-0.31	-0.17	-0.26	-0.17	-0.23	-0.17	-0.22	-0.21
	-0.20	-0.25	-0.24	-0.21	-0.20	-0.25	-0.24	-0.21	-0.20	-0.25	-0.24
	-0.21	-0.20	-0.25	-0.24	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20	-0.25
	-0.21	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21	-0.21	-0.21
	-0.24	-0.23	-0.21	-0.21	-0.24	-0.24	-0.21	-0.21	-0.24	-0.24	-0.21
	-0.21	-0.24	-0.24	-0.24	-0.21	-0.24	-0.21	-0.24	-0.21	-0.24	-0.21
	-0.24	-0.21	-0.24	-0.21	-0.23	-0.21	-0.24	-0.21	-0.22	-0.21	-0.24
	-0.23	-0.22	-0.21	-0.24	-0.23	-0.22	-0.21	-0.24	-0.23	-0.22	-0.21
	-0.24	-0.23	-0.23	-0.21	-0.24	-0.22	-0.23	-0.21	-0.24	-0.22	-0.23
	-0.21	-0.24	-0.22	-0.23	-0.21	-0.24	-0.22				
62	-0.22	-0.38	-0.17	-0.32	-0.17	-0.27	-0.17	-0.24	-0.17	-0.23	-0.21
	-0.15	-0.31	-0.26	-0.21	-0.15	-0.31	-0.26	-0.21	-0.15	-0.32	-0.26
	-0.20	-0.15	-0.31	-0.26	-0.31	-0.12	-0.34	-0.16	-0.31	-0.12	-0.34

	-0.16	-0.31	-0.13	-0.34	-0.16	-0.30	-0.13	-0.34	-0.16	-0.21	-0.17
	-0.30	-0.25	-0.21	-0.17	-0.30	-0.25	-0.21	-0.17	-0.30	-0.25	-0.21
	-0.17	-0.30	-0.26	-0.29	-0.15	-0.32	-0.17	-0.29	-0.15	-0.32	-0.17
	-0.29	-0.15	-0.32	-0.18	-0.29	-0.15	-0.32	-0.18	-0.22	-0.18	-0.29
	-0.25	-0.22	-0.18	-0.28	-0.25	-0.21	-0.18	-0.29	-0.25	-0.21	-0.18
	-0.29	-0.25	-0.28	-0.16	-0.30	-0.18	-0.28	-0.16	-0.30	-0.18	-0.28
	-0.16	-0.30	-0.19	-0.28	-0.16	-0.30	-0.19				
67	-0.23	-0.38	-0.17	-0.32	-0.18	-0.27	-0.18	-0.24	-0.18	-0.23	-0.22
	-0.14	-0.33	-0.25	-0.22	-0.14	-0.33	-0.25	-0.22	-0.13	-0.33	-0.25
	-0.21	-0.14	-0.33	-0.26	-0.35	-0.08	-0.39	-0.11	-0.35	-0.08	-0.39
	-0.12	-0.34	-0.09	-0.38	-0.12	-0.34	-0.09	-0.38	-0.13	-0.22	-0.16
	-0.31	-0.24	-0.22	-0.16	-0.31	-0.25	-0.22	-0.16	-0.31	-0.25	-0.22
	-0.16	-0.31	-0.25	-0.33	-0.11	-0.35	-0.14	-0.33	-0.11	-0.36	-0.14
	-0.32	-0.12	-0.35	-0.15	-0.32	-0.12	-0.35	-0.15	-0.23	-0.17	-0.30
	-0.24	-0.22	-0.17	-0.29	-0.24	-0.22	-0.17	-0.30	-0.25	-0.22	-0.17
	-0.30	-0.25	-0.31	-0.13	-0.33	-0.16	-0.31	-0.13	-0.33	-0.16	-0.31
	-0.14	-0.33	-0.16	-0.31	-0.14	-0.33	-0.16				
68	-0.23	-0.36	-0.17	-0.30	-0.17	-0.26	-0.17	-0.23	-0.17	-0.23	-0.20
	-0.19	-0.27	-0.25	-0.20	-0.19	-0.27	-0.25	-0.20	-0.18	-0.27	-0.25
	-0.20	-0.18	-0.27	-0.25	-0.24	-0.19	-0.26	-0.21	-0.24	-0.19	-0.26
	-0.21	-0.24	-0.19	-0.26	-0.21	-0.24	-0.19	-0.26	-0.21	-0.21	-0.19
	-0.26	-0.24	-0.21	-0.19	-0.26	-0.25	-0.21	-0.19	-0.26	-0.25	-0.21
	-0.19	-0.26	-0.25	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21
	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21	-0.21	-0.20	-0.25
	-0.24	-0.21	-0.20	-0.25	-0.24	-0.21	-0.20	-0.25	-0.24	-0.21	-0.20
	-0.25	-0.24	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21	-0.24
	-0.20	-0.25	-0.22	-0.24	-0.20	-0.25	-0.22				
69	-0.23	-0.35	-0.17	-0.30	-0.17	-0.26	-0.17	-0.23	-0.17	-0.22	-0.20
	-0.18	-0.26	-0.25	-0.20	-0.19	-0.26	-0.25	-0.20	-0.18	-0.26	-0.25
	-0.20	-0.18	-0.26	-0.25	-0.24	-0.19	-0.26	-0.21	-0.24	-0.19	-0.26
	-0.21	-0.24	-0.19	-0.26	-0.21	-0.24	-0.19	-0.26	-0.21	-0.20	-0.19
	-0.25	-0.24	-0.20	-0.19	-0.25	-0.24	-0.20	-0.19	-0.25	-0.24	-0.20
	-0.19	-0.25	-0.24	-0.23	-0.20	-0.25	-0.21	-0.23	-0.20	-0.25	-0.21
	-0.23	-0.20	-0.25	-0.21	-0.23	-0.20	-0.25	-0.21	-0.21	-0.20	-0.25
	-0.24	-0.21	-0.20	-0.25	-0.24	-0.21	-0.20	-0.25	-0.24	-0.21	-0.20
	-0.25	-0.24	-0.23	-0.20	-0.24	-0.21	-0.23	-0.20	-0.24	-0.21	-0.23
	-0.20	-0.24	-0.21	-0.23	-0.20	-0.24	-0.21				
74	-0.22	-0.36	-0.17	-0.31	-0.17	-0.26	-0.17	-0.23	-0.17	-0.22	-0.20
	-0.18	-0.26	-0.25	-0.20	-0.18	-0.26	-0.25	-0.20	-0.18	-0.26	-0.25
	-0.20	-0.18	-0.26	-0.25	-0.23	-0.19	-0.26	-0.21	-0.23	-0.19	-0.26
	-0.21	-0.23	-0.19	-0.25	-0.21	-0.23	-0.19	-0.25	-0.21	-0.20	-0.19
	-0.26	-0.25	-0.20	-0.19	-0.26	-0.25	-0.20	-0.19	-0.26	-0.25	-0.20
	-0.19	-0.26	-0.25	-0.23	-0.20	-0.25	-0.21	-0.23	-0.20	-0.25	-0.22
	-0.23	-0.20	-0.25	-0.22	-0.23	-0.20	-0.25	-0.22	-0.21	-0.20	-0.25
	-0.24	-0.21	-0.20	-0.25	-0.24	-0.21	-0.20	-0.25	-0.24	-0.21	-0.20
	-0.25	-0.24	-0.23	-0.20	-0.24	-0.22	-0.23	-0.20	-0.24	-0.22	-0.23
	-0.20	-0.24	-0.22	-0.23	-0.20	-0.24	-0.22				
75	-0.22	-0.32	-0.17	-0.27	-0.17	-0.24	-0.17	-0.22	-0.17	-0.21	-0.18
	-0.27	-0.15	-0.24	-0.18	-0.27	-0.15	-0.24	-0.15	-0.24	-0.18	-0.26
	-0.15	-0.24	-0.18	-0.27	-0.07	-0.36	-0.06	-0.35	-0.06	-0.35	-0.07
	-0.36	-0.06	-0.36	-0.05	-0.36	-0.05	-0.36	-0.06	-0.36	-0.19	-0.25
	-0.16	-0.23	-0.18	-0.26	-0.16	-0.23	-0.17	-0.24	-0.18	-0.25	-0.16
	-0.24	-0.18	-0.25	-0.10	-0.33	-0.09	-0.32	-0.09	-0.32	-0.10	-0.33
	-0.09	-0.33	-0.09	-0.33	-0.09	-0.33	-0.09	-0.33	-0.19	-0.25	-0.17
	-0.23	-0.19	-0.25	-0.17	-0.23	-0.17	-0.23	-0.19	-0.25	-0.17	-0.23
	-0.19	-0.25	-0.12	-0.31	-0.11	-0.30	-0.11	-0.30	-0.12	-0.31	-0.11
	-0.31	-0.11	-0.31	-0.11	-0.31	-0.11	-0.31				
79	-0.22	-0.34	-0.17	-0.28	-0.17	-0.25	-0.17	-0.22	-0.17	-0.22	-0.15
	-0.21	-0.23	-0.28	-0.16	-0.21	-0.23	-0.28	-0.16	-0.21	-0.22	-0.28
	-0.16	-0.21	-0.22	-0.27	-0.12	-0.30	-0.14	-0.32	-0.12	-0.30	-0.14
	-0.32	-0.12	-0.29	-0.14	-0.31	-0.12	-0.29	-0.14	-0.31	-0.17	-0.21
	-0.22	-0.27	-0.17	-0.21	-0.22	-0.26	-0.17	-0.21	-0.22	-0.26	-0.17
	-0.21	-0.22	-0.26	-0.14	-0.28	-0.15	-0.30	-0.14	-0.28	-0.15	-0.30
	-0.14	-0.28	-0.16	-0.29	-0.14	-0.28	-0.16	-0.29	-0.18	-0.21	-0.22
	-0.26	-0.18	-0.21	-0.22	-0.26	-0.18	-0.21	-0.22	-0.26	-0.18	-0.21
	-0.22	-0.25	-0.15	-0.27	-0.17	-0.28	-0.15	-0.27	-0.16	-0.28	-0.16
	-0.26	-0.17	-0.28	-0.16	-0.27	-0.17	-0.28				
80	-0.24	-0.39	-0.18	-0.33	-0.18	-0.28	-0.18	-0.25	-0.18	-0.24	-0.23
	-0.14	-0.34	-0.25	-0.22	-0.14	-0.34	-0.26	-0.22	-0.14	-0.35	-0.26
	-0.22	-0.14	-0.34	-0.26	-0.37	-0.08	-0.40	-0.12	-0.36	-0.08	-0.40
	-0.12	-0.36	-0.09	-0.39	-0.12	-0.35	-0.09	-0.39	-0.13	-0.23	-0.16
	-0.32	-0.25	-0.23	-0.16	-0.32	-0.25	-0.22	-0.16	-0.32	-0.26	-0.22

	-0.16	-0.32	-0.26	-0.34	-0.11	-0.37	-0.14	-0.34	-0.11	-0.37	-0.14
	-0.33	-0.12	-0.36	-0.15	-0.33	-0.12	-0.36	-0.15	-0.23	-0.17	-0.31
	-0.25	-0.23	-0.18	-0.30	-0.25	-0.23	-0.17	-0.31	-0.25	-0.23	-0.17
	-0.31	-0.25	-0.32	-0.14	-0.34	-0.16	-0.32	-0.13	-0.35	-0.16	-0.32
	-0.14	-0.34	-0.16	-0.32	-0.14	-0.34	-0.17				
84	-0.23	-0.36	-0.18	-0.30	-0.18	-0.26	-0.18	-0.24	-0.18	-0.23	-0.25
	-0.19	-0.27	-0.21	-0.25	-0.19	-0.27	-0.20	-0.25	-0.19	-0.27	-0.20
	-0.25	-0.19	-0.27	-0.20	-0.33	-0.12	-0.34	-0.12	-0.33	-0.12	-0.34
	-0.12	-0.34	-0.11	-0.34	-0.12	-0.34	-0.11	-0.34	-0.12	-0.25	-0.20
	-0.26	-0.21	-0.25	-0.19	-0.26	-0.21	-0.25	-0.20	-0.26	-0.21	-0.25
	-0.20	-0.26	-0.21	-0.31	-0.14	-0.32	-0.15	-0.31	-0.14	-0.32	-0.14
	-0.31	-0.14	-0.32	-0.14	-0.32	-0.14	-0.32	-0.14	-0.24	-0.20	-0.26
	-0.21	-0.24	-0.20	-0.26	-0.21	-0.25	-0.20	-0.25	-0.21	-0.25	-0.20
	-0.25	-0.21	-0.30	-0.16	-0.30	-0.16	-0.30	-0.16	-0.30	-0.16	-0.30
	-0.15	-0.30	-0.16	-0.30	-0.15	-0.30	-0.16				
85	-0.23	-0.33	-0.17	-0.28	-0.17	-0.24	-0.17	-0.22	-0.17	-0.22	-0.19
	-0.22	-0.21	-0.24	-0.19	-0.22	-0.21	-0.24	-0.19	-0.22	-0.21	-0.24
	-0.19	-0.22	-0.21	-0.24	-0.17	-0.26	-0.18	-0.26	-0.17	-0.26	-0.18
	-0.26	-0.17	-0.26	-0.17	-0.26	-0.17	-0.26	-0.17	-0.26	-0.20	-0.22
	-0.21	-0.23	-0.20	-0.22	-0.21	-0.23	-0.20	-0.22	-0.21	-0.23	-0.20
	-0.22	-0.21	-0.23	-0.18	-0.25	-0.18	-0.25	-0.18	-0.25	-0.18	-0.25
	-0.18	-0.25	-0.18	-0.25	-0.18	-0.25	-0.18	-0.25	-0.20	-0.22	-0.21
	-0.23	-0.20	-0.22	-0.21	-0.23	-0.20	-0.22	-0.21	-0.23	-0.20	-0.22
	-0.21	-0.23	-0.19	-0.24	-0.19	-0.25	-0.19	-0.24	-0.19	-0.25	-0.18
	-0.24	-0.19	-0.25	-0.18	-0.24	-0.19	-0.25				
86	-0.23	-0.34	-0.17	-0.28	-0.17	-0.25	-0.17	-0.23	-0.17	-0.22	-0.21
	-0.22	-0.22	-0.23	-0.21	-0.22	-0.22	-0.23	-0.21	-0.22	-0.22	-0.23
	-0.21	-0.22	-0.22	-0.23	-0.20	-0.24	-0.20	-0.24	-0.20	-0.24	-0.20
	-0.24	-0.20	-0.24	-0.20	-0.24	-0.20	-0.24	-0.20	-0.24	-0.21	-0.22
	-0.22	-0.23	-0.21	-0.22	-0.22	-0.23	-0.21	-0.22	-0.22	-0.23	-0.21
	-0.22	-0.22	-0.23	-0.20	-0.23	-0.20	-0.24	-0.20	-0.23	-0.20	-0.24
	-0.20	-0.23	-0.20	-0.24	-0.20	-0.23	-0.20	-0.24	-0.21	-0.22	-0.22
	-0.23	-0.21	-0.22	-0.22	-0.23	-0.21	-0.22	-0.22	-0.23	-0.21	-0.22
	-0.22	-0.23	-0.20	-0.23	-0.21	-0.23	-0.20	-0.23	-0.21	-0.23	-0.20
	-0.23	-0.21	-0.23	-0.20	-0.23	-0.21	-0.23				
90	-0.23	-0.36	-0.17	-0.31	-0.18	-0.26	-0.18	-0.24	-0.18	-0.23	-0.20
	-0.19	-0.27	-0.25	-0.20	-0.19	-0.27	-0.25	-0.20	-0.18	-0.27	-0.25
	-0.20	-0.18	-0.27	-0.25	-0.25	-0.19	-0.27	-0.21	-0.25	-0.19	-0.27
	-0.21	-0.25	-0.19	-0.27	-0.21	-0.25	-0.19	-0.27	-0.21	-0.21	-0.19
	-0.26	-0.25	-0.21	-0.19	-0.26	-0.25	-0.21	-0.19	-0.26	-0.25	-0.21
	-0.19	-0.26	-0.25	-0.24	-0.20	-0.26	-0.21	-0.24	-0.20	-0.26	-0.21
	-0.24	-0.20	-0.26	-0.21	-0.24	-0.20	-0.26	-0.21	-0.21	-0.20	-0.26
	-0.25	-0.21	-0.20	-0.26	-0.25	-0.21	-0.20	-0.26	-0.25	-0.21	-0.20
	-0.26	-0.25	-0.24	-0.20	-0.26	-0.22	-0.24	-0.20	-0.26	-0.22	-0.24
	-0.20	-0.25	-0.22	-0.24	-0.20	-0.25	-0.22				
92	-0.23	-0.35	-0.18	-0.29	-0.18	-0.25	-0.18	-0.23	-0.18	-0.22	-0.24
	-0.19	-0.25	-0.21	-0.24	-0.19	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21
	-0.24	-0.19	-0.25	-0.21	-0.29	-0.15	-0.30	-0.15	-0.29	-0.15	-0.30
	-0.15	-0.30	-0.15	-0.30	-0.15	-0.30	-0.15	-0.30	-0.15	-0.23	-0.20
	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21	-0.24
	-0.20	-0.25	-0.21	-0.28	-0.16	-0.28	-0.17	-0.28	-0.16	-0.28	-0.17
	-0.28	-0.16	-0.28	-0.17	-0.28	-0.16	-0.28	-0.17	-0.23	-0.20	-0.24
	-0.21	-0.23	-0.20	-0.24	-0.21	-0.23	-0.21	-0.24	-0.21	-0.23	-0.20
	-0.24	-0.21	-0.27	-0.17	-0.27	-0.18	-0.27	-0.17	-0.27	-0.18	-0.27
	-0.17	-0.27	-0.18	-0.27	-0.17	-0.27	-0.18				
93	-0.23	-0.32	-0.17	-0.27	-0.17	-0.24	-0.17	-0.22	-0.17	-0.21	-0.18
	-0.22	-0.21	-0.25	-0.18	-0.22	-0.21	-0.25	-0.18	-0.22	-0.21	-0.24
	-0.18	-0.22	-0.20	-0.25	-0.14	-0.27	-0.15	-0.28	-0.14	-0.27	-0.15
	-0.28	-0.14	-0.28	-0.15	-0.28	-0.14	-0.28	-0.15	-0.28	-0.19	-0.22
	-0.21	-0.24	-0.19	-0.22	-0.21	-0.24	-0.19	-0.22	-0.21	-0.24	-0.19
	-0.22	-0.21	-0.24	-0.16	-0.26	-0.16	-0.27	-0.16	-0.26	-0.16	-0.27
	-0.16	-0.26	-0.16	-0.27	-0.16	-0.26	-0.16	-0.27	-0.19	-0.22	-0.21
	-0.23	-0.19	-0.22	-0.21	-0.23	-0.19	-0.22	-0.21	-0.23	-0.19	-0.22
	-0.21	-0.23	-0.17	-0.25	-0.17	-0.26	-0.17	-0.25	-0.17	-0.26	-0.17
	-0.25	-0.17	-0.26	-0.17	-0.25	-0.17	-0.26				
94	-0.23	-0.30	-0.17	-0.25	-0.17	-0.22	-0.17	-0.21	-0.17	-0.20	-0.17
	-0.19	-0.22	-0.24	-0.17	-0.19	-0.22	-0.24	-0.17	-0.19	-0.22	-0.24
	-0.16	-0.19	-0.22	-0.24	-0.16	-0.23	-0.17	-0.25	-0.16	-0.23	-0.18
	-0.25	-0.15	-0.24	-0.17	-0.26	-0.15	-0.24	-0.17	-0.26	-0.18	-0.19
	-0.22	-0.23	-0.17	-0.19	-0.21	-0.24	-0.17	-0.19	-0.22	-0.23	-0.17
	-0.19	-0.22	-0.24	-0.17	-0.23	-0.18	-0.24	-0.17	-0.23	-0.18	-0.24
	-0.16	-0.23	-0.18	-0.25	-0.16	-0.23	-0.18	-0.25	-0.18	-0.19	-0.21

	-0.23	-0.18	-0.20	-0.21	-0.23	-0.18	-0.19	-0.21	-0.23	-0.18	-0.20
	-0.21	-0.23	-0.18	-0.22	-0.19	-0.23	-0.17	-0.22	-0.19	-0.23	-0.17
	-0.23	-0.18	-0.24	-0.17	-0.23	-0.18	-0.24				
100	-0.24	-0.34	-0.18	-0.28	-0.18	-0.25	-0.18	-0.23	-0.18	-0.22	-0.32
	-0.19	-0.26	-0.12	-0.33	-0.18	-0.26	-0.12	-0.32	-0.18	-0.26	-0.12
	-0.33	-0.18	-0.26	-0.12	-0.46	-3.29e-03	-0.44	0.02	-0.46	-2.87e-03	-0.44
	0.02	-0.47	0.01	-0.46	0.03	-0.47	0.01	-0.46	0.03	-0.30	-0.19
	-0.25	-0.14	-0.31	-0.19	-0.25	-0.14	-0.30	-0.19	-0.25	-0.14	-0.30
	-0.19	-0.26	-0.14	-0.41	-0.05	-0.40	-0.03	-0.41	-0.05	-0.40	-0.03
	-0.42	-0.04	-0.41	-0.02	-0.42	-0.04	-0.41	-0.02	-0.29	-0.20	-0.25
	-0.16	-0.29	-0.20	-0.25	-0.15	-0.29	-0.20	-0.25	-0.16	-0.29	-0.19
	-0.25	-0.15	-0.38	-0.08	-0.37	-0.07	-0.38	-0.08	-0.37	-0.07	-0.39
	-0.07	-0.37	-0.06	-0.39	-0.07	-0.38	-0.06				
101	-0.24	-0.33	-0.18	-0.28	-0.19	-0.25	-0.19	-0.23	-0.19	-0.22	-0.26
	-0.15	-0.29	-0.18	-0.26	-0.15	-0.29	-0.18	-0.26	-0.16	-0.29	-0.18
	-0.27	-0.16	-0.29	-0.18	-0.39	-0.04	-0.40	-0.05	-0.39	-0.04	-0.40
	-0.05	-0.40	-0.03	-0.41	-0.04	-0.40	-0.04	-0.41	-0.04	-0.25	-0.17
	-0.27	-0.19	-0.25	-0.17	-0.28	-0.19	-0.26	-0.17	-0.27	-0.19	-0.26
	-0.17	-0.27	-0.19	-0.36	-0.08	-0.36	-0.09	-0.36	-0.08	-0.36	-0.08
	-0.36	-0.07	-0.37	-0.08	-0.36	-0.07	-0.37	-0.08	-0.25	-0.18	-0.27
	-0.20	-0.25	-0.18	-0.27	-0.20	-0.25	-0.18	-0.26	-0.19	-0.25	-0.18
	-0.26	-0.19	-0.33	-0.10	-0.34	-0.11	-0.34	-0.10	-0.34	-0.11	-0.34
	-0.10	-0.34	-0.10	-0.34	-0.10	-0.34	-0.10				
102	-0.23	-0.32	-0.18	-0.26	-0.18	-0.24	-0.18	-0.22	-0.18	-0.21	-0.23
	-0.18	-0.25	-0.19	-0.24	-0.18	-0.25	-0.19	-0.24	-0.18	-0.25	-0.19
	-0.24	-0.18	-0.25	-0.19	-0.31	-0.11	-0.31	-0.12	-0.31	-0.11	-0.31
	-0.12	-0.31	-0.11	-0.32	-0.12	-0.31	-0.11	-0.32	-0.11	-0.23	-0.18
	-0.24	-0.20	-0.23	-0.18	-0.24	-0.20	-0.23	-0.19	-0.24	-0.19	-0.23
	-0.18	-0.24	-0.19	-0.29	-0.13	-0.29	-0.14	-0.29	-0.14	-0.29	-0.14
	-0.29	-0.13	-0.29	-0.14	-0.29	-0.13	-0.29	-0.14	-0.23	-0.19	-0.24
	-0.20	-0.23	-0.19	-0.24	-0.20	-0.23	-0.19	-0.24	-0.20	-0.23	-0.19
	-0.24	-0.20	-0.28	-0.15	-0.28	-0.15	-0.28	-0.15	-0.28	-0.15	-0.28
	-0.15	-0.28	-0.15	-0.28	-0.15	-0.28	-0.15				
105	-0.22	-0.34	-0.16	-0.29	-0.17	-0.25	-0.17	-0.23	-0.17	-0.22	-0.23
	-0.26	-0.17	-0.21	-0.23	-0.26	-0.17	-0.21	-0.23	-0.26	-0.17	-0.20
	-0.23	-0.26	-0.17	-0.20	-0.17	-0.28	-0.15	-0.27	-0.17	-0.28	-0.15
	-0.26	-0.17	-0.28	-0.16	-0.26	-0.17	-0.28	-0.15	-0.26	-0.22	-0.25
	-0.18	-0.21	-0.23	-0.25	-0.18	-0.21	-0.23	-0.25	-0.18	-0.21	-0.23
	-0.25	-0.18	-0.21	-0.18	-0.27	-0.17	-0.26	-0.18	-0.27	-0.16	-0.25
	-0.18	-0.27	-0.17	-0.25	-0.18	-0.27	-0.17	-0.25	-0.22	-0.25	-0.19
	-0.21	-0.22	-0.24	-0.19	-0.21	-0.22	-0.25	-0.19	-0.21	-0.23	-0.25
	-0.19	-0.21	-0.18	-0.26	-0.17	-0.25	-0.19	-0.26	-0.17	-0.25	-0.19
	-0.26	-0.18	-0.25	-0.19	-0.26	-0.18	-0.25				
106	-0.23	-0.38	-0.17	-0.33	-0.17	-0.28	-0.17	-0.25	-0.17	-0.23	-0.24
	-0.19	-0.28	-0.23	-0.24	-0.19	-0.28	-0.23	-0.24	-0.19	-0.28	-0.23
	-0.24	-0.19	-0.28	-0.23	-0.32	-0.14	-0.33	-0.15	-0.32	-0.14	-0.33
	-0.15	-0.32	-0.14	-0.33	-0.15	-0.32	-0.14	-0.33	-0.15	-0.24	-0.20
	-0.27	-0.23	-0.24	-0.20	-0.27	-0.23	-0.24	-0.20	-0.27	-0.23	-0.24
	-0.20	-0.27	-0.23	-0.30	-0.16	-0.31	-0.17	-0.30	-0.16	-0.31	-0.17
	-0.30	-0.16	-0.31	-0.17	-0.30	-0.16	-0.31	-0.17	-0.24	-0.20	-0.27
	-0.23	-0.24	-0.20	-0.27	-0.23	-0.24	-0.20	-0.27	-0.23	-0.24	-0.20
	-0.27	-0.23	-0.29	-0.17	-0.30	-0.18	-0.29	-0.17	-0.30	-0.18	-0.29
	-0.17	-0.30	-0.18	-0.29	-0.17	-0.30	-0.18				
107	-0.22	-0.36	-0.17	-0.31	-0.17	-0.26	-0.17	-0.24	-0.17	-0.23	-0.22
	-0.21	-0.24	-0.23	-0.22	-0.21	-0.24	-0.23	-0.22	-0.21	-0.24	-0.23
	-0.22	-0.21	-0.24	-0.23	-0.24	-0.21	-0.25	-0.21	-0.24	-0.20	-0.25
	-0.21	-0.24	-0.20	-0.25	-0.21	-0.24	-0.20	-0.25	-0.21	-0.22	-0.21
	-0.24	-0.23	-0.22	-0.21	-0.24	-0.23	-0.22	-0.21	-0.24	-0.23	-0.22
	-0.21	-0.24	-0.23	-0.24	-0.21	-0.24	-0.21	-0.24	-0.21	-0.24	-0.21
	-0.24	-0.21	-0.24	-0.21	-0.24	-0.21	-0.24	-0.21	-0.22	-0.22	-0.24
	-0.23	-0.22	-0.22	-0.24	-0.23	-0.22	-0.22	-0.24	-0.23	-0.22	-0.22
	-0.24	-0.23	-0.24	-0.21	-0.24	-0.22	-0.24	-0.21	-0.24	-0.22	-0.24
	-0.21	-0.24	-0.22	-0.24	-0.21	-0.24	-0.22				
108	-0.22	-0.36	-0.17	-0.31	-0.17	-0.26	-0.17	-0.23	-0.17	-0.23	-0.23
	-0.19	-0.26	-0.23	-0.23	-0.19	-0.26	-0.22	-0.23	-0.19	-0.26	-0.22
	-0.23	-0.19	-0.26	-0.22	-0.28	-0.16	-0.29	-0.17	-0.28	-0.16	-0.29
	-0.17	-0.28	-0.16	-0.29	-0.17	-0.28	-0.16	-0.29	-0.17	-0.23	-0.20
	-0.25	-0.22	-0.23	-0.20	-0.25	-0.22	-0.23	-0.20	-0.25	-0.22	-0.23
	-0.20	-0.25	-0.22	-0.27	-0.18	-0.27	-0.18	-0.27	-0.18	-0.27	-0.18
	-0.27	-0.17	-0.28	-0.18	-0.27	-0.17	-0.28	-0.18	-0.23	-0.20	-0.25
	-0.22	-0.23	-0.20	-0.25	-0.22	-0.23	-0.20	-0.25	-0.22	-0.23	-0.20
	-0.25	-0.22	-0.26	-0.18	-0.27	-0.19	-0.26	-0.18	-0.27	-0.19	-0.26

	-0.18	-0.27	-0.19	-0.26	-0.18	-0.27	-0.19				
115	-0.21	-0.31	-0.16	-0.26	-0.16	-0.23	-0.16	-0.21	-0.16	-0.20	-0.25
	-0.27	-0.13	-0.15	-0.25	-0.27	-0.13	-0.15	-0.25	-0.27	-0.13	-0.15
	-0.25	-0.27	-0.13	-0.15	-0.18	-0.26	-0.14	-0.22	-0.18	-0.26	-0.14
	-0.22	-0.18	-0.26	-0.14	-0.22	-0.18	-0.26	-0.14	-0.22	-0.24	-0.26
	-0.14	-0.16	-0.24	-0.26	-0.14	-0.16	-0.24	-0.26	-0.14	-0.16	-0.24
	-0.26	-0.14	-0.16	-0.18	-0.25	-0.15	-0.22	-0.18	-0.25	-0.15	-0.22
	-0.18	-0.24	-0.16	-0.22	-0.19	-0.24	-0.16	-0.21	-0.23	-0.25	-0.15
	-0.17	-0.23	-0.25	-0.15	-0.17	-0.23	-0.25	-0.15	-0.17	-0.23	-0.25
	-0.15	-0.17	-0.19	-0.24	-0.16	-0.21	-0.19	-0.24	-0.16	-0.21	-0.19
	-0.24	-0.16	-0.21	-0.19	-0.24	-0.16	-0.21				
116	-0.22	-0.33	-0.16	-0.28	-0.17	-0.24	-0.17	-0.22	-0.17	-0.21	-0.24
	-0.25	-0.17	-0.18	-0.25	-0.24	-0.18	-0.17	-0.24	-0.25	-0.17	-0.18
	-0.25	-0.24	-0.18	-0.17	-0.20	-0.24	-0.18	-0.22	-0.20	-0.24	-0.18
	-0.22	-0.24	-0.20	-0.22	-0.18	-0.24	-0.20	-0.22	-0.18	-0.23	-0.24
	-0.18	-0.19	-0.24	-0.23	-0.19	-0.18	-0.23	-0.24	-0.18	-0.19	-0.24
	-0.23	-0.19	-0.18	-0.20	-0.23	-0.19	-0.22	-0.20	-0.23	-0.19	-0.22
	-0.24	-0.20	-0.22	-0.19	-0.24	-0.20	-0.22	-0.18	-0.23	-0.24	-0.18
	-0.19	-0.24	-0.23	-0.19	-0.18	-0.23	-0.24	-0.18	-0.19	-0.24	-0.23
	-0.19	-0.18	-0.20	-0.23	-0.19	-0.22	-0.20	-0.23	-0.19	-0.22	-0.23
	-0.20	-0.22	-0.19	-0.23	-0.20	-0.22	-0.19				
117	-0.21	-0.29	-0.16	-0.24	-0.16	-0.22	-0.16	-0.20	-0.16	-0.19	-0.24
	-0.26	-0.13	-0.15	-0.24	-0.26	-0.13	-0.15	-0.24	-0.26	-0.13	-0.15
	-0.24	-0.26	-0.13	-0.15	-0.17	-0.25	-0.14	-0.22	-0.17	-0.25	-0.14
	-0.21	-0.18	-0.24	-0.15	-0.21	-0.18	-0.24	-0.14	-0.21	-0.23	-0.24
	-0.14	-0.16	-0.23	-0.24	-0.15	-0.16	-0.23	-0.25	-0.14	-0.16	-0.23
	-0.25	-0.14	-0.16	-0.18	-0.24	-0.15	-0.21	-0.18	-0.24	-0.15	-0.21
	-0.18	-0.23	-0.16	-0.21	-0.18	-0.23	-0.16	-0.21	-0.22	-0.24	-0.15
	-0.17	-0.22	-0.24	-0.15	-0.17	-0.22	-0.24	-0.15	-0.17	-0.22	-0.24
	-0.15	-0.17	-0.18	-0.23	-0.16	-0.21	-0.18	-0.23	-0.16	-0.21	-0.18
	-0.23	-0.16	-0.21	-0.18	-0.23	-0.16	-0.21				
118	-0.21	-0.28	-0.16	-0.23	-0.16	-0.21	-0.16	-0.20	-0.16	-0.19	-0.23
	-0.25	-0.13	-0.15	-0.23	-0.25	-0.13	-0.15	-0.23	-0.25	-0.13	-0.15
	-0.23	-0.25	-0.13	-0.15	-0.17	-0.24	-0.14	-0.21	-0.17	-0.24	-0.14
	-0.21	-0.17	-0.24	-0.14	-0.21	-0.17	-0.24	-0.14	-0.21	-0.22	-0.24
	-0.14	-0.16	-0.22	-0.24	-0.14	-0.16	-0.22	-0.24	-0.14	-0.16	-0.22
	-0.24	-0.14	-0.16	-0.18	-0.23	-0.15	-0.21	-0.18	-0.23	-0.15	-0.20
	-0.18	-0.23	-0.15	-0.20	-0.18	-0.23	-0.15	-0.20	-0.22	-0.23	-0.15
	-0.16	-0.22	-0.23	-0.15	-0.16	-0.22	-0.23	-0.15	-0.16	-0.22	-0.23
	-0.15	-0.16	-0.18	-0.22	-0.16	-0.20	-0.18	-0.22	-0.16	-0.20	-0.18
	-0.22	-0.16	-0.20	-0.18	-0.22	-0.16	-0.20				
119	-0.21	-0.30	-0.16	-0.25	-0.16	-0.22	-0.16	-0.20	-0.16	-0.20	-0.22
	-0.22	-0.17	-0.17	-0.22	-0.22	-0.17	-0.17	-0.22	-0.22	-0.17	-0.17
	-0.22	-0.22	-0.17	-0.17	-0.21	-0.19	-0.20	-0.18	-0.21	-0.19	-0.20
	-0.18	-0.21	-0.19	-0.20	-0.18	-0.21	-0.19	-0.20	-0.18	-0.22	-0.21
	-0.18	-0.17	-0.22	-0.21	-0.18	-0.17	-0.22	-0.21	-0.18	-0.17	-0.22
	-0.21	-0.18	-0.17	-0.21	-0.19	-0.20	-0.18	-0.21	-0.19	-0.20	-0.18
	-0.21	-0.19	-0.20	-0.18	-0.21	-0.19	-0.20	-0.18	-0.21	-0.21	-0.18
	-0.18	-0.21	-0.21	-0.18	-0.18	-0.21	-0.21	-0.18	-0.18	-0.21	-0.21
	-0.18	-0.18	-0.21	-0.19	-0.20	-0.18	-0.21	-0.19	-0.20	-0.18	-0.21
	-0.19	-0.20	-0.18	-0.21	-0.19	-0.20	-0.18				
120	-0.22	-0.34	-0.17	-0.29	-0.17	-0.25	-0.17	-0.22	-0.17	-0.21	-0.22
	-0.19	-0.24	-0.21	-0.22	-0.19	-0.24	-0.21	-0.22	-0.19	-0.24	-0.21
	-0.22	-0.19	-0.24	-0.21	-0.26	-0.16	-0.27	-0.17	-0.26	-0.16	-0.27
	-0.16	-0.26	-0.16	-0.27	-0.17	-0.26	-0.16	-0.27	-0.17	-0.22	-0.20
	-0.23	-0.21	-0.22	-0.20	-0.23	-0.21	-0.22	-0.20	-0.23	-0.21	-0.22
	-0.20	-0.23	-0.21	-0.25	-0.17	-0.26	-0.18	-0.25	-0.17	-0.26	-0.18
	-0.25	-0.17	-0.26	-0.18	-0.25	-0.17	-0.26	-0.18	-0.22	-0.20	-0.23
	-0.21	-0.22	-0.20	-0.23	-0.21	-0.22	-0.20	-0.23	-0.21	-0.22	-0.20
	-0.23	-0.21	-0.25	-0.18	-0.25	-0.18	-0.25	-0.18	-0.25	-0.18	-0.25
	-0.18	-0.25	-0.18	-0.25	-0.18	-0.25	-0.18				
121	-0.22	-0.35	-0.17	-0.30	-0.17	-0.25	-0.17	-0.23	-0.17	-0.22	-0.23
	-0.19	-0.25	-0.21	-0.23	-0.19	-0.25	-0.21	-0.23	-0.19	-0.25	-0.21
	-0.23	-0.19	-0.25	-0.21	-0.27	-0.16	-0.28	-0.16	-0.27	-0.16	-0.28
	-0.16	-0.27	-0.16	-0.28	-0.16	-0.28	-0.16	-0.28	-0.16	-0.23	-0.20
	-0.24	-0.21	-0.23	-0.20	-0.24	-0.21	-0.23	-0.20	-0.24	-0.21	-0.23
	-0.20	-0.24	-0.21	-0.26	-0.17	-0.27	-0.18	-0.26	-0.17	-0.27	-0.18
	-0.26	-0.17	-0.27	-0.18	-0.26	-0.17	-0.27	-0.18	-0.22	-0.20	-0.24
	-0.22	-0.22	-0.20	-0.24	-0.21	-0.23	-0.20	-0.24	-0.21	-0.23	-0.20
	-0.24	-0.21	-0.26	-0.18	-0.26	-0.18	-0.26	-0.18	-0.26	-0.18	-0.26
	-0.18	-0.26	-0.18	-0.26	-0.18	-0.26	-0.18				
122	-0.22	-0.32	-0.16	-0.27	-0.16	-0.24	-0.16	-0.21	-0.16	-0.21	-0.24

	-0.23	-0.18	-0.17	-0.24	-0.23	-0.18	-0.17	-0.24	-0.23	-0.18	-0.17
	-0.24	-0.23	-0.18	-0.17	-0.23	-0.20	-0.22	-0.18	-0.23	-0.20	-0.22
	-0.18	-0.24	-0.20	-0.22	-0.18	-0.24	-0.20	-0.22	-0.18	-0.23	-0.23
	-0.19	-0.18	-0.24	-0.23	-0.19	-0.18	-0.23	-0.23	-0.19	-0.18	-0.24
	-0.23	-0.19	-0.18	-0.23	-0.20	-0.21	-0.19	-0.23	-0.20	-0.21	-0.19
	-0.23	-0.20	-0.22	-0.18	-0.23	-0.20	-0.22	-0.18	-0.23	-0.22	-0.19
	-0.18	-0.23	-0.22	-0.19	-0.18	-0.23	-0.22	-0.19	-0.18	-0.23	-0.22
	-0.19	-0.18	-0.22	-0.20	-0.21	-0.19	-0.22	-0.20	-0.21	-0.19	-0.23
	-0.20	-0.21	-0.19	-0.23	-0.20	-0.21	-0.19				
123	-0.21	-0.31	-0.16	-0.26	-0.16	-0.23	-0.16	-0.21	-0.16	-0.20	-0.23
	-0.22	-0.18	-0.17	-0.23	-0.22	-0.18	-0.17	-0.23	-0.22	-0.18	-0.17
	-0.23	-0.22	-0.18	-0.17	-0.23	-0.20	-0.21	-0.18	-0.23	-0.20	-0.21
	-0.18	-0.23	-0.19	-0.21	-0.18	-0.23	-0.19	-0.21	-0.18	-0.23	-0.22
	-0.19	-0.18	-0.23	-0.22	-0.19	-0.18	-0.23	-0.22	-0.19	-0.18	-0.23
	-0.22	-0.19	-0.18	-0.22	-0.20	-0.21	-0.18	-0.22	-0.20	-0.21	-0.18
	-0.22	-0.20	-0.21	-0.18	-0.22	-0.20	-0.21	-0.18	-0.22	-0.22	-0.19
	-0.18	-0.22	-0.22	-0.19	-0.18	-0.22	-0.22	-0.19	-0.18	-0.22	-0.22
	-0.19	-0.18	-0.22	-0.20	-0.21	-0.19	-0.22	-0.20	-0.21	-0.19	-0.22
	-0.20	-0.21	-0.19	-0.22	-0.20	-0.21	-0.19				
124	-0.21	-0.32	-0.16	-0.27	-0.16	-0.23	-0.16	-0.21	-0.16	-0.21	-0.21
	-0.18	-0.23	-0.20	-0.21	-0.18	-0.23	-0.20	-0.21	-0.18	-0.23	-0.20
	-0.21	-0.18	-0.23	-0.20	-0.25	-0.16	-0.25	-0.16	-0.25	-0.16	-0.25
	-0.16	-0.24	-0.16	-0.25	-0.17	-0.25	-0.16	-0.25	-0.17	-0.21	-0.19
	-0.22	-0.20	-0.21	-0.19	-0.22	-0.20	-0.21	-0.19	-0.22	-0.20	-0.21
	-0.19	-0.22	-0.20	-0.24	-0.17	-0.24	-0.17	-0.24	-0.17	-0.24	-0.17
	-0.24	-0.17	-0.24	-0.17	-0.24	-0.17	-0.24	-0.17	-0.21	-0.19	-0.22
	-0.20	-0.21	-0.19	-0.22	-0.20	-0.21	-0.19	-0.22	-0.20	-0.21	-0.19
	-0.22	-0.20	-0.23	-0.17	-0.24	-0.18	-0.23	-0.17	-0.24	-0.18	-0.23
	-0.18	-0.24	-0.18	-0.23	-0.18	-0.24	-0.18				
127	-0.21	-0.27	-0.16	-0.22	-0.16	-0.20	-0.16	-0.19	-0.16	-0.18	-0.21
	-0.20	-0.16	-0.15	-0.21	-0.20	-0.16	-0.15	-0.21	-0.20	-0.16	-0.15
	-0.21	-0.20	-0.16	-0.15	-0.21	-0.18	-0.19	-0.16	-0.21	-0.18	-0.19
	-0.16	-0.21	-0.18	-0.19	-0.16	-0.21	-0.18	-0.19	-0.16	-0.21	-0.20
	-0.17	-0.16	-0.21	-0.20	-0.17	-0.16	-0.21	-0.20	-0.17	-0.16	-0.21
	-0.20	-0.17	-0.16	-0.20	-0.18	-0.19	-0.17	-0.20	-0.18	-0.19	-0.17
	-0.20	-0.18	-0.19	-0.17	-0.20	-0.18	-0.19	-0.17	-0.20	-0.20	-0.17
	-0.16	-0.20	-0.20	-0.17	-0.17	-0.20	-0.20	-0.17	-0.17	-0.20	-0.20
	-0.17	-0.17	-0.20	-0.18	-0.19	-0.17	-0.20	-0.18	-0.19	-0.17	-0.20
	-0.18	-0.19	-0.17	-0.20	-0.18	-0.19	-0.17				
128	-0.21	-0.28	-0.16	-0.23	-0.16	-0.21	-0.16	-0.19	-0.16	-0.19	-0.23
	-0.21	-0.17	-0.14	-0.23	-0.21	-0.17	-0.15	-0.23	-0.21	-0.17	-0.14
	-0.23	-0.21	-0.17	-0.15	-0.24	-0.16	-0.22	-0.14	-0.24	-0.16	-0.22
	-0.14	-0.24	-0.16	-0.22	-0.14	-0.24	-0.16	-0.22	-0.14	-0.22	-0.20
	-0.17	-0.15	-0.22	-0.21	-0.17	-0.16	-0.22	-0.20	-0.17	-0.15	-0.22
	-0.21	-0.17	-0.16	-0.23	-0.16	-0.21	-0.15	-0.23	-0.16	-0.21	-0.15
	-0.23	-0.17	-0.21	-0.15	-0.23	-0.17	-0.21	-0.15	-0.22	-0.20	-0.18
	-0.16	-0.22	-0.20	-0.18	-0.16	-0.22	-0.20	-0.18	-0.16	-0.22	-0.20
	-0.18	-0.16	-0.22	-0.17	-0.21	-0.16	-0.22	-0.17	-0.21	-0.16	-0.22
	-0.17	-0.21	-0.16	-0.22	-0.17	-0.21	-0.16				
129	-0.21	-0.32	-0.16	-0.27	-0.16	-0.24	-0.16	-0.21	-0.16	-0.21	-0.18
	-0.12	-0.30	-0.24	-0.17	-0.12	-0.30	-0.24	-0.17	-0.11	-0.30	-0.24
	-0.17	-0.12	-0.30	-0.24	-0.29	-0.09	-0.33	-0.13	-0.29	-0.09	-0.33
	-0.13	-0.28	-0.10	-0.32	-0.13	-0.28	-0.10	-0.32	-0.13	-0.18	-0.14
	-0.28	-0.23	-0.18	-0.14	-0.28	-0.23	-0.18	-0.13	-0.28	-0.23	-0.18
	-0.14	-0.28	-0.24	-0.27	-0.11	-0.30	-0.14	-0.27	-0.11	-0.30	-0.14
	-0.27	-0.12	-0.29	-0.15	-0.27	-0.12	-0.29	-0.15	-0.19	-0.15	-0.27
	-0.23	-0.19	-0.15	-0.27	-0.23	-0.19	-0.15	-0.27	-0.23	-0.18	-0.15
	-0.27	-0.23	-0.26	-0.13	-0.28	-0.15	-0.26	-0.13	-0.28	-0.15	-0.26
	-0.14	-0.28	-0.16	-0.25	-0.13	-0.28	-0.16				
130	-0.22	-0.34	-0.16	-0.29	-0.17	-0.25	-0.17	-0.22	-0.17	-0.21	-0.19
	-0.13	-0.30	-0.24	-0.19	-0.13	-0.29	-0.24	-0.19	-0.13	-0.30	-0.24
	-0.19	-0.13	-0.30	-0.24	-0.30	-0.10	-0.33	-0.13	-0.30	-0.10	-0.33
	-0.13	-0.29	-0.10	-0.32	-0.14	-0.29	-0.10	-0.32	-0.14	-0.20	-0.15
	-0.28	-0.23	-0.20	-0.15	-0.28	-0.23	-0.20	-0.15	-0.28	-0.23	-0.19
	-0.15	-0.28	-0.24	-0.28	-0.12	-0.31	-0.15	-0.28	-0.12	-0.31	-0.15
	-0.28	-0.13	-0.30	-0.15	-0.28	-0.13	-0.30	-0.15	-0.20	-0.16	-0.27
	-0.23	-0.20	-0.16	-0.27	-0.23	-0.20	-0.16	-0.27	-0.23	-0.20	-0.16
	-0.27	-0.23	-0.27	-0.14	-0.29	-0.16	-0.27	-0.14	-0.29	-0.16	-0.27
	-0.14	-0.29	-0.16	-0.27	-0.14	-0.29	-0.16				
131	-0.22	-0.33	-0.16	-0.28	-0.16	-0.24	-0.16	-0.22	-0.16	-0.21	-0.20
	-0.15	-0.27	-0.22	-0.20	-0.15	-0.27	-0.23	-0.20	-0.15	-0.27	-0.23
	-0.20	-0.15	-0.27	-0.23	-0.28	-0.12	-0.30	-0.14	-0.28	-0.12	-0.30

	-0.14	-0.28	-0.12	-0.30	-0.15	-0.28	-0.12	-0.30	-0.15	-0.20	-0.16
	-0.26	-0.22	-0.20	-0.16	-0.26	-0.22	-0.20	-0.16	-0.26	-0.22	-0.20
	-0.16	-0.26	-0.22	-0.27	-0.14	-0.28	-0.16	-0.27	-0.14	-0.28	-0.16
	-0.26	-0.14	-0.28	-0.16	-0.26	-0.14	-0.28	-0.16	-0.20	-0.17	-0.25
	-0.22	-0.20	-0.17	-0.25	-0.22	-0.20	-0.17	-0.25	-0.22	-0.20	-0.17
	-0.25	-0.22	-0.26	-0.15	-0.27	-0.17	-0.26	-0.15	-0.27	-0.17	-0.25
	-0.15	-0.27	-0.17	-0.25	-0.15	-0.27	-0.17				
132	-0.21	-0.28	-0.16	-0.23	-0.16	-0.21	-0.16	-0.19	-0.16	-0.19	-0.22
	-0.21	-0.17	-0.16	-0.22	-0.21	-0.17	-0.16	-0.22	-0.21	-0.17	-0.16
	-0.22	-0.21	-0.17	-0.16	-0.21	-0.19	-0.19	-0.17	-0.21	-0.19	-0.19
	-0.17	-0.21	-0.19	-0.19	-0.17	-0.21	-0.19	-0.19	-0.17	-0.21	-0.21
	-0.17	-0.17	-0.21	-0.21	-0.17	-0.17	-0.21	-0.21	-0.17	-0.17	-0.21
	-0.21	-0.17	-0.17	-0.20	-0.19	-0.19	-0.18	-0.20	-0.19	-0.19	-0.18
	-0.20	-0.19	-0.19	-0.18	-0.20	-0.19	-0.19	-0.18	-0.21	-0.20	-0.18
	-0.17	-0.21	-0.20	-0.18	-0.17	-0.21	-0.20	-0.18	-0.17	-0.21	-0.20
	-0.18	-0.17	-0.20	-0.19	-0.19	-0.18	-0.20	-0.19	-0.19	-0.18	-0.20
	-0.19	-0.19	-0.18	-0.20	-0.19	-0.19	-0.18				
133	-0.21	-0.31	-0.16	-0.26	-0.16	-0.23	-0.16	-0.21	-0.16	-0.20	-0.18
	-0.15	-0.26	-0.22	-0.18	-0.15	-0.25	-0.22	-0.18	-0.15	-0.26	-0.22
	-0.18	-0.15	-0.25	-0.22	-0.25	-0.13	-0.28	-0.15	-0.25	-0.13	-0.28
	-0.15	-0.25	-0.13	-0.27	-0.15	-0.25	-0.13	-0.27	-0.15	-0.19	-0.16
	-0.24	-0.21	-0.19	-0.16	-0.24	-0.21	-0.19	-0.16	-0.24	-0.21	-0.19
	-0.16	-0.24	-0.21	-0.24	-0.14	-0.26	-0.16	-0.24	-0.14	-0.26	-0.16
	-0.24	-0.15	-0.26	-0.16	-0.24	-0.14	-0.26	-0.16	-0.19	-0.16	-0.24
	-0.21	-0.19	-0.17	-0.24	-0.21	-0.19	-0.16	-0.24	-0.21	-0.19	-0.17
	-0.24	-0.21	-0.24	-0.15	-0.25	-0.17	-0.24	-0.15	-0.25	-0.17	-0.23
	-0.15	-0.25	-0.17	-0.23	-0.15	-0.25	-0.17				
134	-0.21	-0.30	-0.16	-0.25	-0.16	-0.22	-0.16	-0.20	-0.16	-0.20	-0.23
	-0.20	-0.19	-0.16	-0.23	-0.21	-0.18	-0.16	-0.23	-0.20	-0.19	-0.16
	-0.23	-0.21	-0.19	-0.16	-0.24	-0.16	-0.23	-0.15	-0.24	-0.16	-0.23
	-0.15	-0.24	-0.16	-0.23	-0.15	-0.24	-0.16	-0.23	-0.15	-0.22	-0.20
	-0.19	-0.17	-0.22	-0.20	-0.19	-0.17	-0.22	-0.20	-0.19	-0.17	-0.22
	-0.20	-0.19	-0.17	-0.23	-0.17	-0.22	-0.16	-0.23	-0.17	-0.22	-0.16
	-0.23	-0.17	-0.22	-0.16	-0.23	-0.17	-0.22	-0.16	-0.22	-0.20	-0.19
	-0.17	-0.22	-0.20	-0.19	-0.17	-0.22	-0.20	-0.19	-0.17	-0.22	-0.20
	-0.19	-0.17	-0.23	-0.17	-0.22	-0.16	-0.23	-0.17	-0.22	-0.16	-0.22
	-0.18	-0.22	-0.17	-0.22	-0.17	-0.22	-0.17				
135	-0.20	-0.26	-0.16	-0.21	-0.16	-0.19	-0.16	-0.18	-0.16	-0.18	-0.21
	-0.24	-0.12	-0.14	-0.21	-0.24	-0.12	-0.14	-0.21	-0.24	-0.12	-0.14
	-0.21	-0.24	-0.12	-0.14	-0.15	-0.23	-0.12	-0.20	-0.15	-0.23	-0.12
	-0.20	-0.15	-0.23	-0.12	-0.20	-0.15	-0.23	-0.12	-0.20	-0.20	-0.22
	-0.13	-0.15	-0.20	-0.22	-0.13	-0.15	-0.20	-0.22	-0.13	-0.15	-0.20
	-0.22	-0.13	-0.15	-0.16	-0.22	-0.13	-0.20	-0.16	-0.22	-0.13	-0.20
	-0.16	-0.22	-0.14	-0.20	-0.16	-0.22	-0.14	-0.20	-0.20	-0.22	-0.14
	-0.16	-0.20	-0.22	-0.14	-0.16	-0.20	-0.22	-0.14	-0.16	-0.20	-0.22
	-0.14	-0.16	-0.16	-0.21	-0.14	-0.20	-0.16	-0.21	-0.14	-0.20	-0.16
	-0.21	-0.14	-0.19	-0.16	-0.21	-0.14	-0.19				
136	-0.24	-0.33	-0.19	-0.27	-0.19	-0.24	-0.19	-0.23	-0.19	-0.22	-0.23
	-0.16	-0.28	-0.21	-0.23	-0.16	-0.28	-0.21	-0.23	-0.16	-0.28	-0.21
	-0.23	-0.16	-0.28	-0.21	-0.33	-0.09	-0.35	-0.11	-0.33	-0.09	-0.35
	-0.11	-0.34	-0.09	-0.35	-0.11	-0.33	-0.09	-0.35	-0.11	-0.23	-0.17
	-0.27	-0.21	-0.23	-0.17	-0.27	-0.21	-0.23	-0.17	-0.27	-0.21	-0.23
	-0.17	-0.27	-0.21	-0.31	-0.12	-0.32	-0.13	-0.31	-0.12	-0.32	-0.13
	-0.31	-0.12	-0.32	-0.13	-0.31	-0.12	-0.32	-0.13	-0.23	-0.18	-0.26
	-0.21	-0.23	-0.18	-0.26	-0.21	-0.23	-0.18	-0.26	-0.21	-0.23	-0.18
	-0.26	-0.21	-0.30	-0.14	-0.31	-0.15	-0.30	-0.14	-0.31	-0.15	-0.30
	-0.14	-0.31	-0.15	-0.30	-0.14	-0.31	-0.15				
137	-0.26	-0.36	-0.19	-0.30	-0.20	-0.27	-0.20	-0.25	-0.20	-0.24	-0.31
	-0.08	-0.40	-0.16	-0.32	-0.07	-0.40	-0.16	-0.32	-0.09	-0.39	-0.16
	-0.33	-0.08	-0.40	-0.15	-0.61	0.16	-0.64	0.14	-0.62	0.16	-0.64
	0.14	-0.64	0.18	-0.66	0.16	-0.64	0.18	-0.66	0.16	-0.30	-0.11
	-0.36	-0.18	-0.30	-0.11	-0.37	-0.17	-0.30	-0.12	-0.36	-0.18	-0.31
	-0.11	-0.37	-0.17	-0.54	0.08	-0.56	0.06	-0.54	0.08	-0.56	0.06
	-0.55	0.10	-0.57	0.08	-0.55	0.09	-0.57	0.08	-0.29	-0.14	-0.34
	-0.19	-0.29	-0.13	-0.35	-0.19	-0.29	-0.14	-0.34	-0.19	-0.30	-0.13
	-0.34	-0.18	-0.49	0.02	-0.50	7.05e-03	-0.49	0.02	-0.50	8.07e-03	-0.50
	0.04	-0.52	0.02	-0.50	0.04	-0.51	0.02				
138	-0.25	-0.35	-0.19	-0.29	-0.19	-0.26	-0.19	-0.24	-0.19	-0.23	-0.29
	-0.13	-0.33	-0.17	-0.29	-0.13	-0.33	-0.17	-0.29	-0.14	-0.32	-0.17
	-0.29	-0.13	-0.32	-0.17	-0.48	0.03	-0.49	0.02	-0.48	0.03	-0.49
	0.02	-0.49	0.04	-0.50	0.03	-0.49	0.04	-0.50	0.03	-0.27	-0.15
	-0.31	-0.19	-0.28	-0.15	-0.31	-0.18	-0.28	-0.16	-0.30	-0.18	-0.28

	-0.15	-0.31	-0.18	-0.43	-0.02	-0.44	-0.03	-0.43	-0.02	-0.44	-0.03
	-0.44	-0.01	-0.45	-0.02	-0.44	-0.02	-0.44	-0.02	-0.27	-0.17	-0.29
	-0.19	-0.27	-0.16	-0.30	-0.19	-0.27	-0.17	-0.29	-0.19	-0.27	-0.17
	-0.29	-0.19	-0.39	-0.06	-0.40	-0.07	-0.39	-0.06	-0.40	-0.07	-0.40
	-0.05	-0.41	-0.06	-0.40	-0.05	-0.41	-0.06				
139	-0.23	-0.30	-0.17	-0.25	-0.18	-0.22	-0.18	-0.21	-0.18	-0.20	-0.12
	-0.18	-0.23	-0.28	-0.12	-0.18	-0.22	-0.29	-0.12	-0.18	-0.23	-0.28
	-0.12	-0.18	-0.22	-0.29	-0.10	-0.28	-0.13	-0.31	-0.09	-0.28	-0.13
	-0.31	-0.08	-0.29	-0.11	-0.33	-0.08	-0.29	-0.11	-0.33	-0.14	-0.19
	-0.22	-0.27	-0.14	-0.19	-0.22	-0.27	-0.14	-0.18	-0.22	-0.27	-0.14
	-0.19	-0.22	-0.27	-0.12	-0.26	-0.14	-0.29	-0.12	-0.26	-0.14	-0.29
	-0.11	-0.28	-0.13	-0.30	-0.11	-0.28	-0.13	-0.30	-0.15	-0.19	-0.22
	-0.25	-0.15	-0.19	-0.22	-0.26	-0.15	-0.19	-0.22	-0.26	-0.15	-0.19
	-0.22	-0.26	-0.13	-0.25	-0.15	-0.27	-0.13	-0.25	-0.15	-0.27	-0.12
	-0.26	-0.14	-0.28	-0.12	-0.26	-0.14	-0.28				
140	-0.22	-0.29	-0.17	-0.23	-0.17	-0.21	-0.17	-0.20	-0.17	-0.20	-0.09
	-0.19	-0.20	-0.30	-0.09	-0.20	-0.19	-0.30	-0.09	-0.19	-0.20	-0.30
	-0.08	-0.20	-0.19	-0.31	-9.00e-03	-0.35	-0.04	-0.38	-8.47e-03	-0.35	-0.04
	-0.38	8.41e-03	-0.37	-0.02	-0.40	8.94e-03	-0.37	-0.02	-0.40	-0.11	-0.19
	-0.20	-0.28	-0.11	-0.20	-0.19	-0.28	-0.11	-0.19	-0.20	-0.28	-0.11
	-0.20	-0.19	-0.28	-0.05	-0.32	-0.07	-0.34	-0.05	-0.32	-0.07	-0.34
	-0.03	-0.33	-0.06	-0.36	-0.03	-0.33	-0.06	-0.36	-0.13	-0.19	-0.20
	-0.26	-0.12	-0.20	-0.19	-0.27	-0.13	-0.19	-0.20	-0.26	-0.12	-0.20
	-0.19	-0.27	-0.07	-0.30	-0.09	-0.32	-0.07	-0.30	-0.09	-0.32	-0.06
	-0.31	-0.08	-0.33	-0.06	-0.31	-0.08	-0.33				
141	-0.22	-0.30	-0.16	-0.24	-0.16	-0.22	-0.16	-0.20	-0.16	-0.20	-0.14
	-0.31	-0.08	-0.26	-0.13	-0.32	-0.08	-0.26	-0.09	-0.26	-0.13	-0.31
	-0.08	-0.27	-0.13	-0.31	0.09	-0.50	0.11	-0.48	0.11	-0.49	0.09
	-0.50	0.10	-0.51	0.12	-0.50	0.12	-0.50	0.10	-0.51	-0.15	-0.29
	-0.10	-0.25	-0.15	-0.29	-0.10	-0.25	-0.11	-0.25	-0.14	-0.28	-0.11
	-0.25	-0.14	-0.29	0.03	-0.44	0.04	-0.42	0.04	-0.43	0.03	-0.44
	0.04	-0.45	0.05	-0.43	0.05	-0.43	0.04	-0.45	-0.16	-0.27	-0.12
	-0.24	-0.15	-0.27	-0.12	-0.24	-0.12	-0.24	-0.15	-0.27	-0.12	-0.24
	-0.15	-0.27	-8.65e-03	-0.40	2.08e-03	-0.38	1.05e-03	-0.39	-7.61e-03	-0.39	-1.25e-
03											
	-0.40	9.48e-03	-0.39	8.45e-03	-0.39	-2.11e-04	-0.40				
142	-0.22	-0.30	-0.16	-0.25	-0.17	-0.22	-0.17	-0.21	-0.17	-0.20	-0.14
	-0.31	-0.09	-0.26	-0.14	-0.31	-0.09	-0.26	-0.10	-0.26	-0.14	-0.30
	-0.10	-0.27	-0.13	-0.30	0.07	-0.48	0.08	-0.47	0.08	-0.47	0.07
	-0.48	0.08	-0.49	0.09	-0.48	0.09	-0.48	0.08	-0.49	-0.15	-0.28
	-0.12	-0.25	-0.15	-0.29	-0.11	-0.25	-0.12	-0.25	-0.15	-0.28	-0.12
	-0.25	-0.15	-0.28	0.01	-0.42	0.02	-0.41	0.02	-0.41	0.01	-0.42
	0.02	-0.43	0.03	-0.42	0.03	-0.42	0.02	-0.43	-0.16	-0.27	-0.13
	-0.24	-0.16	-0.27	-0.13	-0.24	-0.13	-0.24	-0.16	-0.27	-0.13	-0.24
	-0.16	-0.27	-0.03	-0.38	-0.02	-0.37	-0.02	-0.37	-0.03	-0.38	-0.02
	-0.39	-0.01	-0.38	-0.01	-0.38	-0.02	-0.39				
143	-0.24	-0.31	-0.18	-0.26	-0.18	-0.23	-0.18	-0.22	-0.18	-0.21	-0.17
	-0.16	-0.27	-0.25	-0.15	-0.17	-0.25	-0.27	-0.17	-0.15	-0.27	-0.26
	-0.15	-0.17	-0.25	-0.27	-0.22	-0.17	-0.25	-0.20	-0.22	-0.17	-0.25
	-0.20	-0.17	-0.23	-0.20	-0.26	-0.17	-0.23	-0.20	-0.26	-0.18	-0.17
	-0.26	-0.25	-0.17	-0.18	-0.24	-0.26	-0.18	-0.16	-0.26	-0.25	-0.16
	-0.18	-0.25	-0.26	-0.22	-0.18	-0.24	-0.21	-0.22	-0.18	-0.24	-0.21
	-0.18	-0.22	-0.20	-0.25	-0.17	-0.22	-0.20	-0.25	-0.18	-0.18	-0.25
	-0.24	-0.17	-0.19	-0.24	-0.25	-0.18	-0.17	-0.25	-0.24	-0.17	-0.18
	-0.24	-0.25	-0.22	-0.19	-0.24	-0.21	-0.22	-0.19	-0.24	-0.21	-0.18
	-0.22	-0.20	-0.24	-0.18	-0.22	-0.20	-0.24				
144	-0.22	-0.31	-0.17	-0.25	-0.17	-0.23	-0.17	-0.21	-0.17	-0.20	-0.12
	-0.24	-0.17	-0.28	-0.12	-0.24	-0.16	-0.29	-0.13	-0.24	-0.16	-0.28
	-0.12	-0.24	-0.16	-0.28	-4.52e-03	-0.39	-0.02	-0.40	-5.31e-03	-0.39	-0.02
	-0.40	3.66e-03	-0.40	-9.51e-03	-0.41	2.87e-03	-0.40	-8.72e-03	-0.41	-0.14	-0.23
	-0.17	-0.27	-0.14	-0.23	-0.17	-0.27	-0.14	-0.23	-0.17	-0.26	-0.14
	-0.24	-0.17	-0.27	-0.05	-0.35	-0.06	-0.36	-0.05	-0.35	-0.06	-0.36
	-0.04	-0.36	-0.05	-0.37	-0.04	-0.36	-0.05	-0.37	-0.15	-0.23	-0.18
	-0.26	-0.15	-0.23	-0.18	-0.26	-0.15	-0.23	-0.18	-0.25	-0.15	-0.23
	-0.18	-0.25	-0.07	-0.32	-0.08	-0.33	-0.07	-0.32	-0.08	-0.33	-0.07
	-0.33	-0.08	-0.34	-0.07	-0.33	-0.08	-0.34				
145	-0.22	-0.31	-0.16	-0.26	-0.17	-0.23	-0.17	-0.21	-0.17	-0.20	-0.08
	-0.20	-0.20	-0.32	-0.08	-0.20	-0.20	-0.32	-0.08	-0.21	-0.20	-0.32
	-0.09	-0.20	-0.20	-0.32	0.02	-0.39	-0.01	-0.43	0.02	-0.39	-0.01
	-0.43	8.56e-03	-0.38	-0.03	-0.41	8.05e-03	-0.38	-0.03	-0.41	-0.11	-0.20
	-0.20	-0.30	-0.11	-0.20	-0.20	-0.30	-0.11	-0.21	-0.20	-0.30	-0.11
	-0.20	-0.20	-0.29	-0.02	-0.35	-0.05	-0.38	-0.03	-0.35	-0.05	-0.38

	-0.04	-0.34	-0.06	-0.37	-0.04	-0.34	-0.06	-0.37	-0.12	-0.20	-0.20
	-0.28	-0.13	-0.20	-0.20	-0.28	-0.12	-0.21	-0.20	-0.28	-0.13	-0.20
	-0.20	-0.28	-0.06	-0.33	-0.08	-0.35	-0.06	-0.33	-0.08	-0.35	-0.06
	-0.32	-0.09	-0.34	-0.06	-0.32	-0.09	-0.34				
146	-0.21	-0.30	-0.16	-0.25	-0.16	-0.22	-0.16	-0.21	-0.16	-0.20	-0.08
	-0.20	-0.20	-0.32	-0.08	-0.20	-0.20	-0.32	-0.20	-0.32	-0.08	-0.20
	-0.20	-0.32	-0.08	-0.20	0.03	-0.39	-7.77e-03	-0.43	-7.39e-03	-0.43	0.03
	-0.39	0.01	-0.38	-0.02	-0.41	-0.02	-0.41	0.01	-0.38	-0.10	-0.20
	-0.20	-0.30	-0.11	-0.20	-0.20	-0.29	-0.20	-0.30	-0.10	-0.20	-0.20
	-0.29	-0.11	-0.20	-0.02	-0.35	-0.05	-0.38	-0.05	-0.38	-0.02	-0.35
	-0.03	-0.34	-0.06	-0.37	-0.06	-0.37	-0.03	-0.34	-0.12	-0.20	-0.20
	-0.28	-0.12	-0.20	-0.20	-0.28	-0.20	-0.28	-0.12	-0.20	-0.20	-0.28
	-0.12	-0.20	-0.05	-0.33	-0.07	-0.35	-0.07	-0.35	-0.05	-0.33	-0.06
	-0.32	-0.08	-0.34	-0.08	-0.34	-0.06	-0.32				
147	-0.22	-0.31	-0.17	-0.26	-0.17	-0.23	-0.17	-0.21	-0.17	-0.21	-0.08
	-0.21	-0.20	-0.33	-0.09	-0.20	-0.21	-0.32	-0.09	-0.21	-0.20	-0.32
	-0.09	-0.20	-0.21	-0.32	0.02	-0.39	-0.02	-0.43	0.02	-0.39	-0.02
	-0.43	2.63e-03	-0.38	-0.03	-0.41	2.00e-03	-0.38	-0.03	-0.41	-0.11	-0.21
	-0.20	-0.30	-0.11	-0.20	-0.21	-0.30	-0.11	-0.21	-0.20	-0.30	-0.12
	-0.21	-0.21	-0.30	-0.03	-0.35	-0.06	-0.38	-0.03	-0.35	-0.06	-0.38
	-0.04	-0.34	-0.07	-0.37	-0.04	-0.34	-0.07	-0.37	-0.13	-0.21	-0.20
	-0.28	-0.13	-0.20	-0.21	-0.28	-0.13	-0.21	-0.20	-0.28	-0.13	-0.21
	-0.21	-0.28	-0.06	-0.33	-0.08	-0.35	-0.06	-0.33	-0.08	-0.35	-0.07
	-0.32	-0.09	-0.34	-0.07	-0.32	-0.09	-0.34				
148	-0.21	-0.32	-0.16	-0.27	-0.16	-0.24	-0.16	-0.21	-0.16	-0.21	-0.20
	-0.28	-0.13	-0.21	-0.20	-0.28	-0.13	-0.21	-0.21	-0.28	-0.13	-0.21
	-0.21	-0.28	-0.13	-0.21	-0.09	-0.35	-0.07	-0.33	-0.09	-0.35	-0.07
	-0.32	-0.09	-0.34	-0.07	-0.32	-0.09	-0.34	-0.07	-0.32	-0.20	-0.27
	-0.15	-0.21	-0.20	-0.26	-0.15	-0.21	-0.21	-0.27	-0.15	-0.21	-0.21
	-0.27	-0.15	-0.21	-0.11	-0.32	-0.10	-0.30	-0.11	-0.32	-0.10	-0.30
	-0.12	-0.31	-0.10	-0.30	-0.12	-0.31	-0.10	-0.30	-0.20	-0.26	-0.16
	-0.21	-0.21	-0.25	-0.16	-0.21	-0.21	-0.26	-0.16	-0.21	-0.21	-0.26
	-0.16	-0.21	-0.13	-0.30	-0.12	-0.28	-0.13	-0.30	-0.11	-0.28	-0.13
	-0.30	-0.12	-0.28	-0.13	-0.30	-0.12	-0.28				
149	-0.21	-0.32	-0.16	-0.27	-0.16	-0.24	-0.16	-0.21	-0.16	-0.21	-0.19
	-0.27	-0.14	-0.22	-0.19	-0.27	-0.14	-0.22	-0.19	-0.27	-0.14	-0.22
	-0.20	-0.27	-0.14	-0.22	-0.09	-0.34	-0.07	-0.33	-0.09	-0.34	-0.07
	-0.33	-0.09	-0.34	-0.07	-0.32	-0.09	-0.34	-0.07	-0.32	-0.20	-0.26
	-0.15	-0.22	-0.20	-0.26	-0.15	-0.21	-0.20	-0.26	-0.15	-0.21	-0.20
	-0.26	-0.15	-0.21	-0.11	-0.31	-0.10	-0.30	-0.11	-0.31	-0.10	-0.30
	-0.11	-0.31	-0.10	-0.30	-0.11	-0.31	-0.10	-0.30	-0.20	-0.25	-0.16
	-0.21	-0.20	-0.25	-0.16	-0.21	-0.20	-0.25	-0.16	-0.21	-0.20	-0.25
	-0.16	-0.21	-0.13	-0.29	-0.12	-0.28	-0.13	-0.30	-0.12	-0.28	-0.13
	-0.29	-0.12	-0.28	-0.13	-0.29	-0.12	-0.28				
150	-0.21	-0.33	-0.16	-0.27	-0.16	-0.24	-0.16	-0.22	-0.16	-0.21	-0.22
	-0.29	-0.12	-0.20	-0.22	-0.29	-0.12	-0.20	-0.22	-0.30	-0.12	-0.20
	-0.22	-0.30	-0.12	-0.19	-0.09	-0.35	-0.06	-0.32	-0.09	-0.35	-0.06
	-0.32	-0.10	-0.35	-0.07	-0.32	-0.10	-0.35	-0.07	-0.32	-0.21	-0.28
	-0.14	-0.20	-0.22	-0.28	-0.14	-0.20	-0.22	-0.28	-0.14	-0.20	-0.22
	-0.28	-0.14	-0.20	-0.12	-0.32	-0.09	-0.30	-0.12	-0.32	-0.09	-0.30
	-0.12	-0.32	-0.10	-0.29	-0.12	-0.32	-0.10	-0.29	-0.21	-0.26	-0.15
	-0.20	-0.21	-0.26	-0.15	-0.20	-0.22	-0.27	-0.15	-0.20	-0.22	-0.27
	-0.15	-0.20	-0.13	-0.30	-0.11	-0.28	-0.13	-0.30	-0.11	-0.28	-0.14
	-0.30	-0.12	-0.28	-0.14	-0.30	-0.12	-0.28				
151	-0.21	-0.27	-0.16	-0.22	-0.16	-0.20	-0.16	-0.19	-0.16	-0.18	-0.23
	-0.28	-0.08	-0.13	-0.24	-0.28	-0.08	-0.13	-0.24	-0.28	-0.08	-0.13
	-0.24	-0.28	-0.08	-0.13	-0.13	-0.28	-0.08	-0.24	-0.13	-0.29	-0.08
	-0.24	-0.13	-0.28	-0.08	-0.23	-0.13	-0.28	-0.08	-0.23	-0.22	-0.26
	-0.10	-0.14	-0.22	-0.26	-0.10	-0.14	-0.23	-0.26	-0.10	-0.14	-0.23
	-0.26	-0.10	-0.14	-0.14	-0.26	-0.10	-0.23	-0.14	-0.26	-0.10	-0.23
	-0.14	-0.26	-0.10	-0.22	-0.14	-0.26	-0.10	-0.22	-0.22	-0.25	-0.12
	-0.15	-0.22	-0.25	-0.12	-0.15	-0.22	-0.25	-0.12	-0.15	-0.22	-0.25
	-0.12	-0.15	-0.14	-0.25	-0.12	-0.22	-0.15	-0.25	-0.11	-0.22	-0.15
	-0.25	-0.12	-0.22	-0.15	-0.25	-0.12	-0.22				
152	-0.21	-0.27	-0.16	-0.22	-0.16	-0.20	-0.16	-0.19	-0.16	-0.19	-0.24
	-0.29	-0.08	-0.13	-0.24	-0.29	-0.08	-0.13	-0.24	-0.29	-0.08	-0.13
	-0.24	-0.29	-0.08	-0.13	-0.13	-0.29	-0.08	-0.24	-0.13	-0.29	-0.08
	-0.24	-0.13	-0.29	-0.08	-0.24	-0.13	-0.29	-0.08	-0.24	-0.23	-0.27
	-0.10	-0.14	-0.23	-0.27	-0.10	-0.14	-0.23	-0.27	-0.10	-0.14	-0.23
	-0.27	-0.10	-0.14	-0.14	-0.27	-0.10	-0.23	-0.14	-0.27	-0.10	-0.23
	-0.14	-0.26	-0.11	-0.23	-0.14	-0.27	-0.11	-0.23	-0.22	-0.25	-0.12
	-0.15	-0.22	-0.25	-0.12	-0.15	-0.22	-0.26	-0.12	-0.15	-0.22	-0.25

	-0.12	-0.15	-0.15	-0.25	-0.12	-0.22	-0.15	-0.25	-0.12	-0.22	-0.15
	-0.25	-0.12	-0.22	-0.15	-0.25	-0.12	-0.22				
153	-0.21	-0.28	-0.16	-0.23	-0.16	-0.21	-0.16	-0.19	-0.16	-0.19	-0.24
	-0.30	-0.08	-0.13	-0.25	-0.29	-0.08	-0.13	-0.25	-0.30	-0.08	-0.13
	-0.25	-0.30	-0.08	-0.13	-0.13	-0.30	-0.08	-0.25	-0.13	-0.30	-0.08
	-0.25	-0.13	-0.29	-0.08	-0.24	-0.14	-0.29	-0.08	-0.24	-0.23	-0.27
	-0.10	-0.14	-0.23	-0.27	-0.10	-0.14	-0.24	-0.28	-0.10	-0.14	-0.24
	-0.27	-0.10	-0.14	-0.14	-0.27	-0.10	-0.23	-0.14	-0.27	-0.10	-0.23
	-0.15	-0.27	-0.11	-0.23	-0.15	-0.27	-0.11	-0.23	-0.23	-0.26	-0.12
	-0.15	-0.23	-0.26	-0.12	-0.15	-0.23	-0.26	-0.12	-0.15	-0.23	-0.26
	-0.12	-0.15	-0.15	-0.26	-0.12	-0.23	-0.15	-0.26	-0.12	-0.23	-0.15
	-0.25	-0.12	-0.22	-0.15	-0.26	-0.12	-0.22				
154	-0.20	-0.26	-0.16	-0.21	-0.16	-0.19	-0.16	-0.18	-0.16	-0.18	-0.23
	-0.27	-0.08	-0.13	-0.23	-0.27	-0.08	-0.13	-0.23	-0.28	-0.08	-0.13
	-0.23	-0.27	-0.08	-0.12	-0.13	-0.27	-0.08	-0.23	-0.13	-0.27	-0.08
	-0.23	-0.13	-0.27	-0.09	-0.23	-0.13	-0.27	-0.09	-0.22	-0.22	-0.25
	-0.10	-0.14	-0.22	-0.25	-0.10	-0.14	-0.22	-0.25	-0.10	-0.14	-0.22
	-0.25	-0.10	-0.14	-0.14	-0.25	-0.10	-0.22	-0.14	-0.25	-0.10	-0.22
	-0.14	-0.25	-0.11	-0.22	-0.14	-0.25	-0.11	-0.22	-0.21	-0.24	-0.12
	-0.14	-0.21	-0.24	-0.12	-0.14	-0.21	-0.24	-0.11	-0.14	-0.21	-0.24
	-0.12	-0.14	-0.14	-0.24	-0.12	-0.21	-0.14	-0.24	-0.12	-0.21	-0.15
	-0.24	-0.12	-0.21	-0.15	-0.24	-0.12	-0.21				
155	-0.20	-0.24	-0.15	-0.20	-0.15	-0.18	-0.15	-0.17	-0.15	-0.17	-0.22
	-0.26	-0.08	-0.12	-0.22	-0.26	-0.08	-0.12	-0.22	-0.27	-0.08	-0.12
	-0.22	-0.27	-0.08	-0.12	-0.11	-0.27	-0.07	-0.23	-0.12	-0.27	-0.07
	-0.23	-0.12	-0.27	-0.08	-0.22	-0.12	-0.27	-0.08	-0.22	-0.21	-0.25
	-0.10	-0.13	-0.21	-0.24	-0.10	-0.13	-0.21	-0.25	-0.10	-0.13	-0.21
	-0.25	-0.10	-0.13	-0.13	-0.25	-0.09	-0.22	-0.13	-0.25	-0.09	-0.22
	-0.13	-0.25	-0.10	-0.21	-0.13	-0.25	-0.10	-0.21	-0.20	-0.23	-0.11
	-0.14	-0.20	-0.23	-0.11	-0.14	-0.20	-0.23	-0.11	-0.14	-0.20	-0.23
	-0.11	-0.14	-0.13	-0.24	-0.11	-0.21	-0.13	-0.24	-0.11	-0.21	-0.14
	-0.23	-0.11	-0.21	-0.14	-0.23	-0.11	-0.21				
156	-0.20	-0.23	-0.15	-0.18	-0.15	-0.17	-0.15	-0.17	-0.15	-0.17	-0.21
	-0.26	-0.07	-0.12	-0.21	-0.26	-0.07	-0.12	-0.21	-0.26	-0.07	-0.12
	-0.21	-0.26	-0.07	-0.12	-0.11	-0.27	-0.06	-0.23	-0.11	-0.27	-0.06
	-0.23	-0.11	-0.26	-0.07	-0.22	-0.11	-0.26	-0.07	-0.22	-0.20	-0.24
	-0.09	-0.13	-0.20	-0.24	-0.09	-0.13	-0.20	-0.24	-0.09	-0.13	-0.20
	-0.24	-0.09	-0.13	-0.12	-0.25	-0.09	-0.21	-0.12	-0.25	-0.08	-0.21
	-0.12	-0.24	-0.09	-0.21	-0.12	-0.24	-0.09	-0.21	-0.19	-0.23	-0.10
	-0.14	-0.20	-0.23	-0.11	-0.14	-0.20	-0.23	-0.10	-0.14	-0.20	-0.23
	-0.10	-0.13	-0.13	-0.23	-0.10	-0.21	-0.13	-0.23	-0.10	-0.20	-0.13
	-0.23	-0.10	-0.20	-0.13	-0.23	-0.10	-0.20				
157	-0.20	-0.26	-0.15	-0.21	-0.15	-0.19	-0.15	-0.18	-0.15	-0.18	-0.22
	-0.21	-0.15	-0.14	-0.22	-0.21	-0.15	-0.14	-0.22	-0.21	-0.15	-0.14
	-0.22	-0.21	-0.15	-0.14	-0.20	-0.17	-0.18	-0.15	-0.20	-0.17	-0.18
	-0.15	-0.20	-0.17	-0.18	-0.15	-0.20	-0.17	-0.18	-0.15	-0.21	-0.20
	-0.15	-0.15	-0.21	-0.20	-0.15	-0.15	-0.21	-0.20	-0.15	-0.15	-0.21
	-0.20	-0.15	-0.15	-0.20	-0.17	-0.18	-0.16	-0.20	-0.17	-0.18	-0.16
	-0.20	-0.17	-0.18	-0.16	-0.20	-0.17	-0.18	-0.16	-0.20	-0.20	-0.16
	-0.15	-0.20	-0.20	-0.16	-0.15	-0.20	-0.20	-0.16	-0.15	-0.20	-0.20
	-0.16	-0.15	-0.19	-0.17	-0.18	-0.16	-0.19	-0.17	-0.18	-0.16	-0.19
	-0.17	-0.18	-0.16	-0.19	-0.17	-0.18	-0.16				
158	-0.20	-0.27	-0.16	-0.22	-0.16	-0.20	-0.16	-0.19	-0.16	-0.18	-0.24
	-0.21	-0.15	-0.13	-0.23	-0.21	-0.15	-0.13	-0.24	-0.21	-0.15	-0.13
	-0.23	-0.21	-0.15	-0.13	-0.23	-0.15	-0.21	-0.13	-0.23	-0.15	-0.21
	-0.13	-0.23	-0.16	-0.20	-0.13	-0.23	-0.16	-0.20	-0.13	-0.22	-0.21
	-0.16	-0.14	-0.22	-0.21	-0.16	-0.14	-0.22	-0.21	-0.16	-0.14	-0.22
	-0.21	-0.16	-0.14	-0.22	-0.16	-0.20	-0.14	-0.22	-0.16	-0.20	-0.14
	-0.22	-0.16	-0.20	-0.14	-0.22	-0.16	-0.20	-0.14	-0.22	-0.20	-0.16
	-0.15	-0.22	-0.20	-0.16	-0.15	-0.22	-0.20	-0.16	-0.15	-0.22	-0.20
	-0.16	-0.15	-0.22	-0.16	-0.20	-0.15	-0.22	-0.16	-0.20	-0.15	-0.21
	-0.17	-0.20	-0.15	-0.21	-0.17	-0.20	-0.15				
159	-0.20	-0.24	-0.15	-0.20	-0.15	-0.18	-0.15	-0.17	-0.15	-0.17	-0.20
	-0.22	-0.12	-0.14	-0.20	-0.22	-0.12	-0.14	-0.20	-0.22	-0.12	-0.14
	-0.20	-0.22	-0.12	-0.14	-0.16	-0.21	-0.14	-0.18	-0.16	-0.21	-0.14
	-0.18	-0.16	-0.21	-0.13	-0.18	-0.16	-0.21	-0.13	-0.18	-0.20	-0.21
	-0.14	-0.15	-0.20	-0.21	-0.13	-0.15	-0.20	-0.21	-0.14	-0.15	-0.20
	-0.21	-0.13	-0.15	-0.16	-0.20	-0.14	-0.18	-0.16	-0.20	-0.14	-0.18
	-0.16	-0.20	-0.14	-0.18	-0.16	-0.20	-0.14	-0.18	-0.19	-0.20	-0.14
	-0.15	-0.19	-0.20	-0.14	-0.15	-0.19	-0.20	-0.14	-0.15	-0.19	-0.20
	-0.14	-0.15	-0.16	-0.19	-0.15	-0.18	-0.16	-0.19	-0.15	-0.18	-0.16
	-0.19	-0.15	-0.18	-0.16	-0.20	-0.15	-0.18				

160	-0.22	-0.33	-0.16	-0.28	-0.17	-0.24	-0.17	-0.22	-0.17	-0.21	-0.24
	-0.25	-0.17	-0.18	-0.24	-0.26	-0.17	-0.18	-0.24	-0.26	-0.17	-0.18
	-0.24	-0.26	-0.17	-0.18	-0.20	-0.24	-0.18	-0.22	-0.21	-0.24	-0.18
	-0.22	-0.20	-0.25	-0.18	-0.22	-0.20	-0.25	-0.18	-0.22	-0.24	-0.25
	-0.18	-0.19	-0.24	-0.25	-0.18	-0.19	-0.24	-0.25	-0.18	-0.19	-0.24
	-0.25	-0.18	-0.19	-0.21	-0.24	-0.19	-0.22	-0.21	-0.24	-0.19	-0.22
	-0.20	-0.24	-0.19	-0.22	-0.20	-0.24	-0.19	-0.22	-0.23	-0.24	-0.18
	-0.19	-0.23	-0.24	-0.18	-0.19	-0.23	-0.24	-0.18	-0.19	-0.23	-0.24
	-0.18	-0.19	-0.21	-0.23	-0.19	-0.22	-0.21	-0.23	-0.19	-0.22	-0.20
	-0.23	-0.19	-0.22	-0.21	-0.23	-0.19	-0.22				
161	-0.21	-0.29	-0.16	-0.24	-0.16	-0.21	-0.16	-0.20	-0.16	-0.19	-0.07
	-0.26	-0.13	-0.32	-0.06	-0.26	-0.13	-0.32	-0.07	-0.26	-0.12	-0.32
	-0.07	-0.27	-0.12	-0.32	0.13	-0.50	0.12	-0.52	0.13	-0.50	0.12
	-0.52	0.15	-0.52	0.13	-0.53	0.15	-0.52	0.13	-0.53	-0.09	-0.24
	-0.14	-0.29	-0.09	-0.25	-0.14	-0.30	-0.10	-0.25	-0.14	-0.29	-0.09
	-0.25	-0.14	-0.29	0.07	-0.44	0.05	-0.45	0.06	-0.44	0.05	-0.45
	0.08	-0.45	0.06	-0.46	0.08	-0.45	0.06	-0.46	-0.11	-0.24	-0.15
	-0.28	-0.11	-0.24	-0.15	-0.28	-0.11	-0.24	-0.15	-0.27	-0.11	-0.24
	-0.15	-0.28	0.02	-0.40	8.77e-03	-0.41	0.02	-0.40	9.80e-03	-0.41	0.03
	-0.40	0.02	-0.42	0.03	-0.41	0.02	-0.42				

Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**
	-0.66			
	0.18			

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

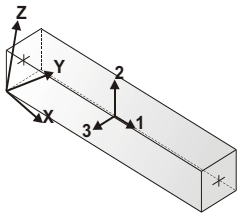
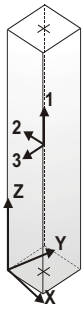
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.

 orientamento elementi 2D non verticali	 orientamento elementi 2D verticali

Pilas.	Cmb	M3 mx/mn daN cm	M2 mx/mn daN cm	D 2 / D 3 cm	Q 2 / Q 3 daN	Pos. cm	N daN	V 2 daN	V 3 daN	T daN cm	M 2 daN cm	M 3 daN cm
2	1	-1763.94	1304.37	0.03	0.0	0.0	-303.20	-11.85	-11.63	-0.14	1304.37	- 1763.94
		-4596.13	-1475.98	-0.03	0.0	119.5	-236.98	-11.85	-11.63	-0.14	-85.80	- 3180.03
						239.0	-170.77	-11.85	-11.63	-0.14	-1475.98	- 4596.13
2	2	-6319.52	4337.12	0.07	0.0	0.0	-1041.35	-101.01	-38.41	9.55	4337.12	- 6319.52
		-3.046e+04	-4843.82	-0.05	0.0	119.5	-975.13	-101.01	-38.41	9.55	-253.35	- 1.839e+04
						239.0	-908.91	-101.01	-38.41	9.55	-4843.82	- 3.046e+04
2	3	-1270.90	946.13	0.02	0.0	0.0	-219.30	-7.43	-8.44	-0.29	946.13	- 1270.90
		-3047.38	-1071.81	-0.02	0.0	119.5	-168.37	-7.43	-8.44	-0.29	-62.84	- 2159.14
						239.0	-117.43	-7.43	-8.44	-0.29	-1071.81	- 3047.38
2	4	-5826.49	3978.88	0.06	0.0	0.0	-957.45	-96.59	-35.22	9.40	3978.88	- 5826.49
		-2.891e+04	-4439.65	-0.04	0.0	119.5	-906.51	-96.59	-35.22	9.40	-230.39	- 1.737e+04
						239.0	-855.57	-96.59	-35.22	9.40	-4439.65	- 2.891e+04
2	5	-1319.49	978.48	0.02	0.0	0.0	-227.18	-8.38	-8.73	-0.19	978.48	- 1319.49
		-3323.27	-1107.73	-0.02	0.0	119.5	-176.24	-8.38	-8.73	-0.19	-64.63	- 2321.38
						239.0	-125.30	-8.38	-8.73	-0.19	-1107.73	- 3323.27
2	6	-4356.55	3000.31	0.05	0.0	0.0	-719.27	-67.82	-26.58	6.27	3000.31	- 4356.55
		-2.057e+04	-3352.96	-0.04	0.0	119.5	-668.33	-67.82	-26.58	6.27	-176.33	- 1.246e+04
						239.0	-617.40	-67.82	-26.58	6.27	-3352.96	- 2.057e+04
2	7	-1319.49	978.48	0.02	0.0	0.0	-227.18	-8.38	-8.73	-0.19	978.48	- 1319.49
		-3323.27	-1107.73	-0.02	0.0	119.5	-176.24	-8.38	-8.73	-0.19	-64.63	- 2321.38
						239.0	-125.30	-8.38	-8.73	-0.19	-1107.73	- 3323.27
2	8	-3445.43	2393.76	0.04	0.0	0.0	-571.64	-49.99	-21.23	4.33	2393.76	- 3445.43
		-1.539e+04	-2679.39	-0.03	0.0	119.5	-520.71	-49.99	-21.23	4.33	-142.82	- 9419.41
						239.0	-469.77	-49.99	-21.23	4.33	-2679.39	- 1.539e+04
2	9	-1319.49	978.48	0.02	0.0	0.0	-227.18	-8.38	-8.73	-0.19	978.48	- 1319.49
		-3323.27	-1107.73	-0.02	0.0	119.5	-176.24	-8.38	-8.73	-0.19	-64.63	- 2321.38
						239.0	-125.30	-8.38	-8.73	-0.19	-1107.73	- 3323.27
2	10	-3141.73	2191.58	0.04	0.0	0.0	-522.43	-44.05	-19.44	3.69	2191.58	- 3141.73
		-1.367e+04	-2454.87	-0.03	0.0	119.5	-471.50	-44.05	-19.44	3.69	-131.65	- 8405.41
						239.0	-420.56	-44.05	-19.44	3.69	-2454.87	- 1.367e+04
2	11	435.84	4601.88	0.38	0.0	0.0	-488.00	-111.88	32.90	-72.69	-3265.50	435.84
		-2.732e+04	-3265.50	-0.45	0.0	119.5	-437.06	-111.88	32.90	-72.69	668.19	- 1.344e+04
						239.0	-386.13	-111.88	32.90	-72.69	4601.88	- 2.732e+04
2	12	1.296e+04	1108.13	-0.26	0.0	0.0	-342.11	74.79	-8.06	-20.02	1108.13	- 3950.46

		-3950.46	-813.93	-0.04	0.0	119.5	-291.17	74.79	-8.06	-20.02	147.10	4503.44
						239.0	-240.23	74.79	-8.06	-20.02	-813.93	1.296e+04
2	13	-2333.00	3275.03	0.33	0.0	0.0	-702.76	-162.89	-30.82	27.39	3275.03	-2333.00
		-4.030e+04	-4095.81	-0.02	0.0	119.5	-651.82	-162.89	-30.82	27.39	-410.39	-2.131e+04
						239.0	-600.89	-162.89	-30.82	27.39	-4095.81	-4.030e+04
2	14	-21.02	7648.65	-0.31	0.0	0.0	-556.87	23.78	-71.78	80.06	7648.65	-6719.30
		-6719.30	-9511.62	0.40	0.0	119.5	-505.93	23.78	-71.78	80.06	-931.48	-3370.16
						239.0	-454.99	23.78	-71.78	80.06	-9511.62	-21.02
2	15	366.86	5035.72	0.33	0.0	0.0	-485.48	-115.62	36.11	-77.96	-3600.66	366.86
		-2.829e+04	-3600.66	-0.54	0.0	119.5	-434.54	-115.62	36.11	-77.96	717.53	-1.396e+04
						239.0	-383.60	-115.62	36.11	-77.96	5035.72	-2.829e+04
2	16	1.393e+04	1443.29	-0.21	0.0	0.0	-344.63	78.54	-11.28	-14.74	1443.29	-3881.48
		-3881.48	-1247.77	0.04	0.0	119.5	-293.69	78.54	-11.28	-14.74	97.76	-5024.75
						239.0	-242.76	78.54	-11.28	-14.74	-1247.77	1.393e+04
2	17	-2401.97	2939.86	0.28	0.0	0.0	-700.24	-166.63	-27.61	22.12	2939.86	-2401.97
		-4.127e+04	-3661.97	-0.10	0.0	119.5	-649.30	-166.63	-27.61	22.12	-361.06	-2.184e+04
						239.0	-598.36	-166.63	-27.61	22.12	-3661.97	-4.127e+04
2	18	952.62	7983.82	-0.26	0.0	0.0	-559.39	27.53	-74.99	85.34	7983.82	-6650.32
		-6650.32	-9945.46	0.48	0.0	119.5	-508.45	27.53	-74.99	85.34	-980.82	-2848.85
						239.0	-457.51	27.53	-74.99	85.34	-9945.46	952.62
2	19	460.69	4698.68	0.37	0.0	0.0	-487.22	-119.45	33.27	-74.90	-3259.65	460.69
		-2.869e+04	-3259.65	-0.45	0.0	119.5	-436.28	-119.45	33.27	-74.90	719.52	-1.411e+04
						239.0	-385.34	-119.45	33.27	-74.90	4698.68	-2.869e+04
2	20	1.158e+04	1113.98	-0.27	0.0	0.0	-341.32	67.22	-7.68	-22.24	1113.98	-3925.61
		-3925.61	-717.13	-0.04	0.0	119.5	-290.38	67.22	-7.68	-22.24	198.42	-3829.26
						239.0	-239.45	67.22	-7.68	-22.24	-717.13	1.158e+04
2	21	-2357.85	3269.18	0.34	0.0	0.0	-703.55	-155.32	-31.20	29.61	3269.18	-2357.85
		-3.892e+04	-4192.60	-0.02	0.0	119.5	-652.61	-155.32	-31.20	29.61	-461.71	-2.064e+04
						239.0	-601.67	-155.32	-31.20	29.61	-4192.60	-3.892e+04
2	22	1352.19	7642.80	-0.30	0.0	0.0	-557.65	31.35	-72.15	82.27	7642.80	-6744.14
		-6744.14	-9608.42	0.40	0.0	119.5	-506.71	31.35	-72.15	82.27	-982.81	-2695.98
						239.0	-455.78	31.35	-72.15	82.27	-9608.42	1352.19
2	23	391.71	5132.51	0.32	0.0	0.0	-484.69	-123.19	36.49	-80.18	-3594.81	391.71
		-2.966e+04	-3594.81	-0.54	0.0	119.5	-433.75	-123.19	36.49	-80.18	768.85	-1.464e+04
						239.0	-382.82	-123.19	36.49	-80.18	5132.51	-2.966e+04
2	24	1.256e+04	1449.14	-0.22	0.0	0.0	-343.85	70.97	-10.90	-16.96	1449.14	-3856.64
		-3856.64	-1150.97	0.05	0.0	119.5	-292.91	70.97	-10.90	-16.96	149.09	-4350.57
						239.0	-241.97	70.97	-10.90	-16.96	-1150.97	1.256e+04
2	25	-2426.82	2934.01	0.29	0.0	0.0	-701.02	-159.06	-27.98	24.33	2934.01	-

2426.82												
		-3.990e+04	-3758.77	-0.10	0.0	119.5	-650.08	-159.06	-27.98	24.33	-412.38	-
2.116e+04												
						239.0	-599.15	-159.06	-27.98	24.33	-3758.77	-
3.990e+04												
2	26	2325.83	7977.97	-0.25	0.0	0.0	-560.18	35.10	-75.37	87.55	7977.97	-
6675.17												
		-6675.17	-1.004e+04	0.48	0.0	119.5	-509.24	35.10	-75.37	87.55	-1032.14	-
2174.67												
						239.0	-458.30	35.10	-75.37	87.55	-1.004e+04	
2325.83												
2	27	4584.09	7876.14	1.10	0.0	0.0	-733.38	-347.51	58.37	-99.10	-6078.88	
4584.09												
		-7.885e+04	-6078.88	-0.78	0.0	119.5	-682.44	-347.51	58.37	-99.10	898.63	-
3.713e+04												
						239.0	-631.50	-347.51	58.37	-99.10	7876.14	-
7.885e+04												
2	28	5.540e+04	8499.87	-1.02	0.0	0.0	-247.06	274.72	-78.14	76.45	8499.87	-
1.004e+04												
		-1.004e+04	-1.018e+04	0.59	0.0	119.5	-196.12	274.72	-78.14	76.45	-838.35	
2.268e+04												
						239.0	-145.19	274.72	-78.14	76.45	-1.018e+04	
5.540e+04												
2	29	3753.44	5266.83	1.09	0.0	0.0	-797.81	-362.81	39.26	-69.08	-4116.72	
3753.44												
		-8.274e+04	-4116.72	-0.65	0.0	119.5	-746.87	-362.81	39.26	-69.08	575.06	-
3.949e+04												
						239.0	-695.93	-362.81	39.26	-69.08	5266.83	-
8.274e+04												
2	30	5.151e+04	1.046e+04	-1.03	0.0	0.0	-311.49	259.42	-97.26	106.47	1.046e+04	-
1.087e+04												
		-1.087e+04	-1.279e+04	0.73	0.0	119.5	-260.55	259.42	-97.26	106.47	-1161.92	
2.032e+04												
						239.0	-209.61	259.42	-97.26	106.47	-1.279e+04	
5.151e+04												
2	31	4591.55	7905.18	1.10	0.0	0.0	-733.14	-349.78	58.49	-99.76	-6077.12	
4591.55												
		-7.926e+04	-6077.12	-0.78	0.0	119.5	-682.21	-349.78	58.49	-99.76	914.03	-
3.733e+04												
						239.0	-631.27	-349.78	58.49	-99.76	7905.18	-
7.926e+04												
2	32	5.499e+04	8501.63	-1.02	0.0	0.0	-246.83	272.45	-78.03	75.78	8501.63	-
1.003e+04												
		-1.003e+04	-1.015e+04	0.59	0.0	119.5	-195.89	272.45	-78.03	75.78	-822.95	
2.248e+04												
						239.0	-144.95	272.45	-78.03	75.78	-1.015e+04	
5.499e+04												
2	33	3745.99	5237.79	1.09	0.0	0.0	-798.04	-360.54	39.15	-68.41	-4118.48	
3745.99												
		-8.233e+04	-4118.48	-0.65	0.0	119.5	-747.10	-360.54	39.15	-68.41	559.66	-
3.929e+04												
						239.0	-696.17	-360.54	39.15	-68.41	5237.79	-
8.233e+04												
2	34	5.192e+04	1.046e+04	-1.03	0.0	0.0	-311.72	261.69	-97.37	107.14	1.046e+04	-
1.088e+04												
		-1.088e+04	-1.281e+04	0.73	0.0	119.5	-260.79	261.69	-97.37	107.14	-1177.32	
2.052e+04												
						239.0	-209.85	261.69	-97.37	107.14	-1.281e+04	
5.192e+04												
2	35	4354.18	9322.26	0.94	0.0	0.0	-724.96	-360.00	69.10	-116.69	-7196.09	
4354.18												
		-8.209e+04	-7196.09	-1.07	0.0	119.5	-674.03	-360.00	69.10	-116.69	1063.08	-
3.887e+04												
						239.0	-623.09	-360.00	69.10	-116.69	9322.26	-
8.209e+04												
2	36	5.865e+04	9617.09	-0.85	0.0	0.0	-255.48	287.21	-88.86	94.04	9617.09	-
9806.98												
		-9806.98	-1.162e+04	0.88	0.0	119.5	-204.54	287.21	-88.86	94.04	-1002.80	
2.442e+04												
						239.0	-153.60	287.21	-88.86	94.04	-1.162e+04	
5.865e+04												
2	37	3523.53	6712.95	0.92	0.0	0.0	-789.39	-375.30	49.98	-86.67	-5233.94	

3523.53												
		-8.599e+04	-5233.94	-0.94	0.0	119.5	-738.45	-375.30	49.98	-86.67	739.51	-
4.123e+04												
						239.0	-687.52	-375.30	49.98	-86.67	6712.95	-
8.599e+04												
2	38	5.475e+04	1.158e+04	-0.87	0.0	0.0	-319.90	271.90	-107.98	124.06	1.158e+04	-
1.064e+04												
		-1.064e+04	-1.423e+04	1.01	0.0	119.5	-268.97	271.90	-107.98	124.06	-1326.38	
2.206e+04												
						239.0	-218.03	271.90	-107.98	124.06	-1.423e+04	
5.475e+04												
2	39	4361.63	9351.30	0.94	0.0	0.0	-724.73	-362.27	69.21	-117.36	-7194.34	
4361.63												
		-8.250e+04	-7194.34	-1.07	0.0	119.5	-673.79	-362.27	69.21	-117.36	1078.48	-
3.907e+04												
						239.0	-622.85	-362.27	69.21	-117.36	9351.30	-
8.250e+04												
2	40	5.824e+04	9618.85	-0.86	0.0	0.0	-255.24	284.93	-88.75	93.38	9618.85	-
9799.53												
		-9799.53	-1.159e+04	0.88	0.0	119.5	-204.30	284.93	-88.75	93.38	-987.40	
2.422e+04												
						239.0	-153.36	284.93	-88.75	93.38	-1.159e+04	
5.824e+04												
2	41	3516.07	6683.91	0.93	0.0	0.0	-789.63	-373.03	49.87	-86.00	-5235.69	
3516.07												
		-8.557e+04	-5235.69	-0.94	0.0	119.5	-738.69	-373.03	49.87	-86.00	724.11	-
4.103e+04												
						239.0	-687.75	-373.03	49.87	-86.00	6683.91	-
8.557e+04												
2	42	5.517e+04	1.158e+04	-0.87	0.0	0.0	-320.14	274.17	-108.09	124.73	1.158e+04	-
1.065e+04												
		-1.065e+04	-1.426e+04	1.01	0.0	119.5	-269.20	274.17	-108.09	124.73	-1341.77	
2.226e+04												
						239.0	-218.26	274.17	-108.09	124.73	-1.426e+04	
5.517e+04												
2	43	-354.21	3136.31	0.31	0.0	0.0	-495.76	-98.01	22.01	-56.76	-2128.89	-
354.21												
		-2.454e+04	-2128.89	-0.37	0.0	119.5	-444.82	-98.01	22.01	-56.76	503.71	-
1.245e+04												
						239.0	-393.89	-98.01	22.01	-56.76	3136.31	-
2.454e+04												
2	44	7384.29	1336.59	-0.20	0.0	0.0	-380.17	49.95	-10.44	-15.02	1336.59	-
3819.63												
		-3819.63	-1156.04	-0.04	0.0	119.5	-329.23	49.95	-10.44	-15.02	90.28	
1782.33												
						239.0	-278.29	49.95	-10.44	-15.02	-1156.04	
7384.29												
2	45	-2463.83	3046.56	0.27	0.0	0.0	-664.70	-138.04	-28.44	22.39	3046.56	-
2463.83												
		-3.472e+04	-3753.70	-0.02	0.0	119.5	-613.76	-138.04	-28.44	22.39	-353.57	-
1.859e+04												
						239.0	-562.83	-138.04	-28.44	22.39	-3753.70	-
3.472e+04												
2	46	-2799.57	6512.05	-0.24	0.0	0.0	-549.11	9.91	-60.90	64.13	6512.05	-
5929.25												
		-5929.25	-8046.05	0.31	0.0	119.5	-498.17	9.91	-60.90	64.13	-767.00	-
4364.41												
						239.0	-447.23	9.91	-60.90	64.13	-8046.05	-
2799.57												
2	47	-411.10	3479.98	0.27	0.0	0.0	-493.74	-100.98	24.56	-60.94	-2394.05	-
411.10												
		-2.531e+04	-2394.05	-0.43	0.0	119.5	-442.80	-100.98	24.56	-60.94	542.96	-
1.286e+04												
						239.0	-391.86	-100.98	24.56	-60.94	3479.98	-
2.531e+04												
2	48	8155.97	1601.75	-0.16	0.0	0.0	-382.19	52.91	-12.99	-10.84	1601.75	-
3762.73												
		-3762.73	-1499.71	0.03	0.0	119.5	-331.25	52.91	-12.99	-10.84	51.02	
2196.62												
						239.0	-280.32	52.91	-12.99	-10.84	-1499.71	
8155.97												
2	49	-2520.72	2781.40	0.23	0.0	0.0	-662.68	-141.01	-25.89	18.21	2781.40	-

2520.72												
		-3.549e+04	-3410.03	-0.09	0.0	119.5	-611.74	-141.01	-25.89	18.21	-314.31	-
1.901e+04												
						239.0	-560.80	-141.01	-25.89	18.21	-3410.03	-
3.549e+04												
2	50	-2027.89	6777.21	-0.20	0.0	0.0	-551.13	12.88	-63.44	68.31	6777.21	-
5872.36												
		-5872.36	-8389.72	0.38	0.0	119.5	-500.19	12.88	-63.44	68.31	-806.26	-
3950.13												
						239.0	-449.26	12.88	-63.44	68.31	-8389.72	-
2027.89												
2	51	-342.60	3211.35	0.30	0.0	0.0	-495.28	-104.10	22.29	-58.49	-2120.80	-
342.60												
		-2.565e+04	-2120.80	-0.36	0.0	119.5	-444.34	-104.10	22.29	-58.49	545.28	-
1.300e+04												
						239.0	-393.40	-104.10	22.29	-58.49	3211.35	-
2.565e+04												
2	52	6271.00	1344.69	-0.21	0.0	0.0	-379.68	43.85	-10.16	-16.76	1344.69	-
3808.02												
		-3808.02	-1081.00	-0.04	0.0	119.5	-328.75	43.85	-10.16	-16.76	131.85	
1231.49												
						239.0	-277.81	43.85	-10.16	-16.76	-1081.00	
6271.00												
2	53	-2475.44	3038.46	0.28	0.0	0.0	-665.19	-131.94	-28.72	24.13	3038.46	-
2475.44												
		-3.361e+04	-3828.74	-0.02	0.0	119.5	-614.25	-131.94	-28.72	24.13	-395.14	-
1.804e+04												
						239.0	-563.31	-131.94	-28.72	24.13	-3828.74	-
3.361e+04												
2	54	-1686.29	6503.95	-0.23	0.0	0.0	-549.59	16.01	-61.18	65.87	6503.95	-
5940.86												
		-5940.86	-8121.09	0.31	0.0	119.5	-498.65	16.01	-61.18	65.87	-808.57	-
3813.58												
						239.0	-447.72	16.01	-61.18	65.87	-8121.09	-
1686.29												
2	55	-399.49	3555.02	0.26	0.0	0.0	-493.25	-107.07	24.84	-62.68	-2385.95	-
399.49												
		-2.642e+04	-2385.95	-0.43	0.0	119.5	-442.32	-107.07	24.84	-62.68	584.53	-
1.341e+04												
						239.0	-391.38	-107.07	24.84	-62.68	3555.02	-
2.642e+04												
2	56	7042.68	1609.85	-0.17	0.0	0.0	-381.71	46.82	-12.71	-12.58	1609.85	-
3751.12												
		-3751.12	-1424.67	0.03	0.0	119.5	-330.77	46.82	-12.71	-12.58	92.59	
1645.78												
						239.0	-279.83	46.82	-12.71	-12.58	-1424.67	
7042.68												
2	57	-2532.33	2773.30	0.24	0.0	0.0	-663.16	-134.91	-26.17	19.95	2773.30	-
2532.33												
		-3.438e+04	-3485.07	-0.09	0.0	119.5	-612.22	-134.91	-26.17	19.95	-355.88	-
1.846e+04												
						239.0	-561.29	-134.91	-26.17	19.95	-3485.07	-
3.438e+04												
2	58	-914.61	6769.11	-0.19	0.0	0.0	-551.62	18.98	-63.72	70.05	6769.11	-
5883.97												
		-5883.97	-8464.76	0.37	0.0	119.5	-500.68	18.98	-63.72	70.05	-847.83	-
3399.29												
						239.0	-449.74	18.98	-63.72	70.05	-8464.76	-
914.61												
2	59	2950.41	5732.55	0.88	0.0	0.0	-689.75	-284.63	42.22	-77.74	-4360.55	
2950.41												
		-6.535e+04	-4360.55	-0.63	0.0	119.5	-638.81	-284.63	42.22	-77.74	686.00	-
3.120e+04												
						239.0	-587.87	-284.63	42.22	-77.74	5732.55	-
6.535e+04												
2	60	4.106e+04	7191.07	-0.80	0.0	0.0	-304.44	208.55	-65.97	61.37	7191.07	-
8600.98												
		-8600.98	-8575.28	0.47	0.0	119.5	-253.50	208.55	-65.97	61.37	-692.10	
1.623e+04												
						239.0	-202.56	208.55	-65.97	61.37	-8575.28	
4.106e+04												
2	61	2317.53	3665.54	0.87	0.0	0.0	-740.43	-296.64	27.08	-54.00	-2807.92	

2317.53												
		-6.840e+04	-2807.92	-0.52	0.0	119.5	-689.50	-296.64	27.08	-54.00	428.81	-
3.304e+04												
						239.0	-638.56	-296.64	27.08	-54.00	3665.54	-
6.840e+04												
2	62	3.801e+04	8743.71	-0.81	0.0	0.0	-355.12	196.54	-81.10	85.12	8743.71	-
9233.87												
		-9233.87	-1.064e+04	0.57	0.0	119.5	-304.18	196.54	-81.10	85.12	-949.29	
1.439e+04												
						239.0	-253.24	196.54	-81.10	85.12	-1.064e+04	
3.801e+04												
2	63	2953.90	5755.06	0.88	0.0	0.0	-689.61	-286.46	42.30	-78.27	-4358.12	
2953.90												
		-6.568e+04	-4358.12	-0.63	0.0	119.5	-638.67	-286.46	42.30	-78.27	698.47	-
3.136e+04												
						239.0	-587.73	-286.46	42.30	-78.27	5755.06	-
6.568e+04												
2	64	4.073e+04	7193.50	-0.80	0.0	0.0	-304.29	206.72	-65.88	60.85	7193.50	-
8597.50												
		-8597.50	-8552.77	0.47	0.0	119.5	-253.35	206.72	-65.88	60.85	-679.63	
1.607e+04												
						239.0	-202.42	206.72	-65.88	60.85	-8552.77	
4.073e+04												
2	65	2314.04	3643.03	0.87	0.0	0.0	-740.58	-294.81	27.00	-53.48	-2810.35	
2314.04												
		-6.807e+04	-2810.35	-0.52	0.0	119.5	-689.64	-294.81	27.00	-53.48	416.34	-
3.288e+04												
						239.0	-638.70	-294.81	27.00	-53.48	3643.03	-
6.807e+04												
2	66	3.834e+04	8741.28	-0.81	0.0	0.0	-355.26	198.37	-81.19	85.64	8741.28	-
9237.35												
		-9237.35	-1.066e+04	0.57	0.0	119.5	-304.33	198.37	-81.19	85.64	-961.76	
1.455e+04												
						239.0	-253.39	198.37	-81.19	85.64	-1.066e+04	
3.834e+04												
2	67	2760.77	6878.11	0.75	0.0	0.0	-683.00	-294.52	50.71	-91.69	-5244.41	
2760.77												
		-6.792e+04	-5244.41	-0.85	0.0	119.5	-632.06	-294.52	50.71	-91.69	816.85	-
3.258e+04												
						239.0	-581.13	-294.52	50.71	-91.69	6878.11	-
6.792e+04												
2	68	4.364e+04	8074.93	-0.67	0.0	0.0	-311.18	218.44	-74.46	75.32	8074.93	-
8411.34												
		-8411.34	-9720.85	0.69	0.0	119.5	-260.25	218.44	-74.46	75.32	-822.96	
1.761e+04												
						239.0	-209.31	218.44	-74.46	75.32	-9720.85	
4.364e+04												
2	69	2127.89	4811.11	0.74	0.0	0.0	-733.68	-306.53	35.57	-67.95	-3691.78	
2127.89												
		-7.097e+04	-3691.78	-0.75	0.0	119.5	-682.75	-306.53	35.57	-67.95	559.67	-
3.442e+04												
						239.0	-631.81	-306.53	35.57	-67.95	4811.11	-
7.097e+04												
2	70	4.058e+04	9627.57	-0.68	0.0	0.0	-361.87	206.43	-89.59	99.06	9627.57	-
9044.23												
		-9044.23	-1.179e+04	0.79	0.0	119.5	-310.93	206.43	-89.59	99.06	-1080.14	
1.577e+04												
						239.0	-259.99	206.43	-89.59	99.06	-1.179e+04	
4.058e+04												
2	71	2764.26	6900.62	0.75	0.0	0.0	-682.86	-296.35	50.79	-92.21	-5241.99	
2764.26												
		-6.825e+04	-5241.99	-0.85	0.0	119.5	-631.92	-296.35	50.79	-92.21	829.32	-
3.274e+04												
						239.0	-580.98	-296.35	50.79	-92.21	6900.62	-
6.825e+04												
2	72	4.330e+04	8077.36	-0.67	0.0	0.0	-311.04	216.61	-74.37	74.80	8077.36	-
8407.86												
		-8407.86	-9698.34	0.69	0.0	119.5	-260.10	216.61	-74.37	74.80	-810.49	
1.745e+04												
						239.0	-209.16	216.61	-74.37	74.80	-9698.34	
4.330e+04												
2	73	2124.40	4788.60	0.74	0.0	0.0	-733.83	-304.71	35.49	-67.43	-3694.21	

2124.40												
		-7.064e+04	-3694.21	-0.75	0.0	119.5	-682.89	-304.71	35.49	-67.43	547.19	-
3.426e+04												
						239.0	-631.95	-304.71	35.49	-67.43	4788.60	-
7.064e+04												
2	74	4.091e+04	9625.14	-0.68	0.0	0.0	-362.01	208.26	-89.68	99.58	9625.14	-
9047.71												
		-9047.71	-1.181e+04	0.79	0.0	119.5	-311.07	208.26	-89.68	99.58	-1092.61	
1.593e+04												
						239.0	-260.14	208.26	-89.68	99.58	-1.181e+04	
4.091e+04												
2	75	-834.06	2165.82	0.26	0.0	0.0	-500.36	-88.61	14.82	-46.29	-1379.04	-
834.06												
		-2.264e+04	-1379.04	-0.31	0.0	119.5	-449.42	-88.61	14.82	-46.29	393.39	-
1.174e+04												
						239.0	-398.48	-88.61	14.82	-46.29	2165.82	-
2.264e+04												
2	76	3740.38	1484.91	-0.16	0.0	0.0	-404.83	33.66	-12.00	-11.80	1484.91	-
3698.25												
		-3698.25	-1381.43	-0.04	0.0	119.5	-353.89	33.66	-12.00	-11.80	51.74	21.07
						239.0	-302.95	33.66	-12.00	-11.80	-1381.43	
3740.38												
2	77	-2585.21	2898.25	0.23	0.0	0.0	-640.04	-121.75	-26.88	19.17	2898.25	-
2585.21												
		-3.108e+04	-3528.31	-0.02	0.0	119.5	-589.10	-121.75	-26.88	19.17	-315.03	-
1.683e+04												
						239.0	-538.17	-121.75	-26.88	19.17	-3528.31	-
3.108e+04												
2	78	-4697.18	5762.19	-0.19	0.0	0.0	-544.51	0.52	-53.70	53.66	5762.19	-
5449.40												
		-5449.40	-7075.56	0.25	0.0	119.5	-493.57	0.52	-53.70	53.66	-656.68	-
5073.29												
						239.0	-442.64	0.52	-53.70	53.66	-7075.56	-
4697.18												
2	79	-881.01	2449.83	0.23	0.0	0.0	-498.69	-91.06	16.92	-49.75	-1598.18	-
881.01												
		-2.328e+04	-1598.18	-0.36	0.0	119.5	-447.75	-91.06	16.92	-49.75	425.83	-
1.208e+04												
						239.0	-396.81	-91.06	16.92	-49.75	2449.83	-
2.328e+04												
2	80	4378.10	1704.05	-0.13	0.0	0.0	-406.50	36.11	-14.11	-8.34	1704.05	-
3651.30												
		-3651.30	-1665.45	0.02	0.0	119.5	-355.56	36.11	-14.11	-8.34	19.30	363.40
						239.0	-304.63	36.11	-14.11	-8.34	-1665.45	
4378.10												
2	81	-2632.15	2679.10	0.20	0.0	0.0	-638.37	-124.21	-24.77	15.71	2679.10	-
2632.15												
		-3.172e+04	-3244.29	-0.08	0.0	119.5	-587.43	-124.21	-24.77	15.71	-282.59	-
1.717e+04												
						239.0	-536.49	-124.21	-24.77	15.71	-3244.29	-
3.172e+04												
2	82	-4059.46	5981.34	-0.16	0.0	0.0	-546.18	2.97	-55.81	57.12	5981.34	-
5402.45												
		-5402.45	-7359.57	0.31	0.0	119.5	-495.25	2.97	-55.81	57.12	-689.12	-
4730.96												
						239.0	-444.31	2.97	-55.81	57.12	-7359.57	-
4059.46												
2	83	-823.87	2227.89	0.25	0.0	0.0	-499.96	-93.65	15.05	-47.72	-1372.47	-
823.87												
		-2.356e+04	-1372.47	-0.31	0.0	119.5	-449.02	-93.65	15.05	-47.72	427.71	-
1.219e+04												
						239.0	-398.08	-93.65	15.05	-47.72	2227.89	-
2.356e+04												
2	84	2821.73	1491.47	-0.16	0.0	0.0	-404.43	28.62	-11.77	-13.23	1491.47	-
3688.06												
		-3688.06	-1319.36	-0.04	0.0	119.5	-353.49	28.62	-11.77	-13.23	86.06	-
433.16												
						239.0	-302.55	28.62	-11.77	-13.23	-1319.36	
2821.73												
2	85	-2595.40	2891.68	0.23	0.0	0.0	-640.44	-116.72	-27.11	20.60	2891.68	-
2595.40												
		-3.016e+04	-3590.38	-0.02	0.0	119.5	-589.50	-116.72	-27.11	20.60	-349.35	-

1.638e+04												
						239.0	-538.57	-116.72	-27.11	20.60	-3590.38	-
3.016e+04												
2	86	-3778.53	5755.63	-0.18	0.0	0.0	-544.91	5.55	-53.93	55.09	5755.63	-
5459.58												
		-5459.58	-7137.63	0.25	0.0	119.5	-493.97	5.55	-53.93	55.09	-691.00	-
4619.06												
						239.0	-443.04	5.55	-53.93	55.09	-7137.63	-
3778.53												
2	87	-870.82	2511.91	0.22	0.0	0.0	-498.28	-96.10	17.15	-51.18	-1591.62	-
870.82												
		-2.420e+04	-1591.62	-0.36	0.0	119.5	-447.35	-96.10	17.15	-51.18	460.15	-
1.253e+04												
						239.0	-396.41	-96.10	17.15	-51.18	2511.91	-
2.420e+04												
2	88	3459.45	1710.62	-0.13	0.0	0.0	-406.10	31.08	-13.88	-9.77	1710.62	-
3641.12												
		-3641.12	-1603.37	0.02	0.0	119.5	-355.16	31.08	-13.88	-9.77	53.62	-90.83
						239.0	-304.22	31.08	-13.88	-9.77	-1603.37	
3459.45												
2	89	-2642.34	2672.54	0.20	0.0	0.0	-638.77	-119.17	-25.01	17.15	2672.54	-
2642.34												
		-3.080e+04	-3306.37	-0.08	0.0	119.5	-587.83	-119.17	-25.01	17.15	-316.92	-
1.672e+04												
						239.0	-536.89	-119.17	-25.01	17.15	-3306.37	-
3.080e+04												
2	90	-3140.82	5974.77	-0.15	0.0	0.0	-546.58	8.00	-56.04	58.55	5974.77	-
5412.64												
		-5412.64	-7421.65	0.30	0.0	119.5	-495.65	8.00	-56.04	58.55	-723.44	-
4276.73												
						239.0	-444.71	8.00	-56.04	58.55	-7421.65	-
3140.82												
2	91	1894.59	4311.33	0.73	0.0	0.0	-660.70	-242.86	31.52	-63.62	-3223.26	
1894.59												
		-5.637e+04	-3223.26	-0.52	0.0	119.5	-609.76	-242.86	31.52	-63.62	544.03	-
2.724e+04												
						239.0	-558.82	-242.86	31.52	-63.62	4311.33	-
5.637e+04												
2	92	3.157e+04	6323.23	-0.65	0.0	0.0	-342.27	164.71	-57.89	51.35	6323.23	-
7652.70												
		-7652.70	-7512.83	0.38	0.0	119.5	-291.33	164.71	-57.89	51.35	-594.80	
1.196e+04												
						239.0	-240.39	164.71	-57.89	51.35	-7512.83	
3.157e+04												
2	93	1369.25	2603.09	0.72	0.0	0.0	-702.60	-252.80	19.01	-43.98	-1940.07	
1369.25												
		-5.890e+04	-1940.07	-0.44	0.0	119.5	-651.67	-252.80	19.01	-43.98	331.51	-
2.877e+04												
						239.0	-600.73	-252.80	19.01	-43.98	2603.09	-
5.890e+04												
2	94	2.903e+04	7606.41	-0.66	0.0	0.0	-384.17	154.77	-70.40	70.99	7606.41	-
8178.05												
		-8178.05	-9221.07	0.47	0.0	119.5	-333.23	154.77	-70.40	70.99	-807.33	
1.043e+04												
						239.0	-282.29	154.77	-70.40	70.99	-9221.07	
2.903e+04												
2	95	1897.65	4329.95	0.73	0.0	0.0	-660.58	-244.37	31.59	-64.05	-3221.29	
1897.65												
		-5.665e+04	-3221.29	-0.52	0.0	119.5	-609.64	-244.37	31.59	-64.05	554.33	-
2.738e+04												
						239.0	-558.70	-244.37	31.59	-64.05	4329.95	-
5.665e+04												
2	96	3.129e+04	6325.20	-0.66	0.0	0.0	-342.14	163.20	-57.82	50.92	6325.20	-
7649.65												
		-7649.65	-7494.21	0.38	0.0	119.5	-291.21	163.20	-57.82	50.92	-584.50	
1.182e+04												
						239.0	-240.27	163.20	-57.82	50.92	-7494.21	
3.129e+04												
2	97	1366.19	2584.47	0.73	0.0	0.0	-702.72	-251.29	18.94	-43.55	-1942.04	
1366.19												
		-5.863e+04	-1942.04	-0.44	0.0	119.5	-651.79	-251.29	18.94	-43.55	321.21	-
2.863e+04												

						239.0	-600.85	-251.29	18.94	-43.55	2584.47	-5.863e+04
2	98	2.931e+04	7604.44	-0.66	0.0	0.0	-384.29	156.28	-70.47	71.42	7604.44	-8181.10
		-8181.10	-9239.69	0.47	0.0	119.5	-333.35	156.28	-70.47	71.42	-817.62	1.056e+04
						239.0	-282.42	156.28	-70.47	71.42	-9239.69	2.931e+04
2	99	1738.11	5258.05	0.63	0.0	0.0	-655.12	-251.04	38.53	-75.14	-3953.74	1738.11
		-5.850e+04	-3953.74	-0.71	0.0	119.5	-604.19	-251.04	38.53	-75.14	652.16	-2.838e+04
						239.0	-553.25	-251.04	38.53	-75.14	5258.05	-5.850e+04
2	100	3.369e+04	7053.71	-0.55	0.0	0.0	-347.84	172.88	-64.91	62.88	7053.71	-7496.22
		-7496.22	-8459.55	0.57	0.0	119.5	-296.90	172.88	-64.91	62.88	-702.92	1.310e+04
						239.0	-245.97	172.88	-64.91	62.88	-8459.55	3.369e+04
2	101	1212.76	3549.81	0.62	0.0	0.0	-697.03	-260.98	26.02	-55.51	-2670.55	1212.76
		-6.103e+04	-2670.55	-0.62	0.0	119.5	-646.09	-260.98	26.02	-55.51	439.63	-2.991e+04
						239.0	-595.15	-260.98	26.02	-55.51	3549.81	-6.103e+04
2	102	3.116e+04	8336.89	-0.56	0.0	0.0	-389.75	162.94	-77.42	82.52	8336.89	-8021.56
		-8021.56	-1.017e+04	0.65	0.0	119.5	-338.81	162.94	-77.42	82.52	-915.45	1.157e+04
						239.0	-287.87	162.94	-77.42	82.52	-1.017e+04	3.116e+04
2	103	1741.16	5276.67	0.62	0.0	0.0	-655.00	-252.55	38.60	-75.57	-3951.77	1741.16
		-5.877e+04	-3951.77	-0.71	0.0	119.5	-604.06	-252.55	38.60	-75.57	662.45	-2.852e+04
						239.0	-553.13	-252.55	38.60	-75.57	5276.67	-5.877e+04
2	104	3.342e+04	7055.68	-0.55	0.0	0.0	-347.72	171.37	-64.84	62.45	7055.68	-7493.16
		-7493.16	-8440.93	0.57	0.0	119.5	-296.78	171.37	-64.84	62.45	-692.63	1.296e+04
						239.0	-245.84	171.37	-64.84	62.45	-8440.93	3.342e+04
2	105	1209.71	3531.19	0.62	0.0	0.0	-697.15	-259.47	25.95	-55.08	-2672.52	1209.71
		-6.075e+04	-2672.52	-0.62	0.0	119.5	-646.21	-259.47	25.95	-55.08	429.33	-2.977e+04
						239.0	-595.27	-259.47	25.95	-55.08	3531.19	-6.075e+04
2	106	3.144e+04	8334.92	-0.55	0.0	0.0	-389.87	164.45	-77.48	82.95	8334.92	-8024.62
		-8024.62	-1.019e+04	0.65	0.0	119.5	-338.93	164.45	-77.48	82.95	-925.75	1.171e+04
						239.0	-287.99	164.45	-77.48	82.95	-1.019e+04	3.144e+04
7	1	3802.27	106.99	6.03e-03	0.0	0.0	-355.49	17.27	1.06	-2.53	-29.75	1580.20
		1580.20	-29.75	-0.02	0.0	64.3	-319.83	17.27	1.06	-2.53	38.62	2691.24
						128.7	-284.17	17.27	1.06	-2.53	106.99	3802.27
7	2	1.759e+04	2031.29	0.03	0.0	0.0	-1476.37	108.88	-25.34	-9.46	2031.29	3574.69
		3574.69	-1229.21	-0.08	0.0	64.3	-1440.71	108.88	-25.34	-9.46	401.04	1.058e+04
						128.7	-1405.05	108.88	-25.34	-9.46	-1229.21	1.759e+04
7	3	2664.70	107.52	4.13e-03	0.0	0.0	-252.30	11.55	1.32	-1.81	-61.78	1177.90
		1177.90	-61.78	-0.01	0.0	64.3	-224.87	11.55	1.32	-1.81	22.87	1921.30

						128.7	-197.44	11.55	1.32	-1.81	107.52		
2664.70													
7	4	1.645e+04	1999.26	0.03	0.0	0.0	-1373.18	103.16	-25.08	-8.74	1999.26		
3172.39													
		3172.39	-1228.69	-0.08	0.0	64.3	-1345.75	103.16	-25.08	-8.74	385.29		
9810.47													
						128.7	-1318.32	103.16	-25.08	-8.74	-1228.69		
1.645e+04													
7	5	2811.72	93.26	4.42e-03	0.0	0.0	-264.25	12.53	1.03	-1.89	-39.80		
1199.17													
		1199.17	-39.80	-0.01	0.0	64.3	-236.83	12.53	1.03	-1.89	26.73		
2005.45													
						128.7	-209.40	12.53	1.03	-1.89	93.26		
2811.72													
7	6	1.200e+04	1334.23	0.02	0.0	0.0	-1011.51	73.60	-16.56	-6.51	1334.23		
2528.83													
		2528.83	-797.54	-0.06	0.0	64.3	-984.08	73.60	-16.56	-6.51	268.35		
7264.90													
						128.7	-956.65	73.60	-16.56	-6.51	-797.54		
1.200e+04													
7	7	2811.72	93.26	4.42e-03	0.0	0.0	-264.25	12.53	1.03	-1.89	-39.80		
1199.17													
		1199.17	-39.80	-0.01	0.0	64.3	-236.83	12.53	1.03	-1.89	26.73		
2005.45													
						128.7	-209.40	12.53	1.03	-1.89	93.26		
2811.72													
7	8	9244.20	922.02	0.02	0.0	0.0	-787.33	55.28	-11.29	-5.12	922.02		
2129.93													
		2129.93	-530.30	-0.04	0.0	64.3	-759.90	55.28	-11.29	-5.12	195.86		
5687.07													
						128.7	-732.48	55.28	-11.29	-5.12	-530.30		
9244.20													
7	9	2811.72	93.26	4.42e-03	0.0	0.0	-264.25	12.53	1.03	-1.89	-39.80		
1199.17													
		1199.17	-39.80	-0.01	0.0	64.3	-236.83	12.53	1.03	-1.89	26.73		
2005.45													
						128.7	-209.40	12.53	1.03	-1.89	93.26		
2811.72													
7	10	8325.27	784.62	0.02	0.0	0.0	-712.61	49.17	-9.53	-4.66	784.62		
1996.97													
		1996.97	-441.22	-0.04	0.0	64.3	-685.18	49.17	-9.53	-4.66	171.70		
5161.12													
						128.7	-657.75	49.17	-9.53	-4.66	-441.22		
8325.27													
7	11	4.399e+04	2.014e+04	0.07	0.0	0.0	-2010.67	510.77	-264.69	14.71	2.014e+04	-	
2.457e+04													
		-2.457e+04	-1.392e+04	0.07	0.0	64.3	-1983.24	510.77	-264.69	14.71	3112.29		
9708.47													
						128.7	-1955.81	510.77	-264.69	14.71	-1.392e+04		
4.399e+04													
7	12	2.009e+04	2.504e+04	0.07	0.0	0.0	-655.63	217.17	-328.53	38.01	2.504e+04	-	
1.045e+04													
		-1.045e+04	-1.724e+04	0.17	0.0	64.3	-628.20	217.17	-328.53	38.01	3899.67		
4822.93													
						128.7	-600.77	217.17	-328.53	38.01	-1.724e+04		
2.009e+04													
7	13	1.444e+04	1.636e+04	-0.03	0.0	0.0	-769.58	-118.82	309.48	-47.33	-2.347e+04		
1.444e+04													
		-3442.34	-2.347e+04	-0.24	0.0	64.3	-742.15	-118.82	309.48	-47.33	-3556.26		
5499.31													
						128.7	-714.73	-118.82	309.48	-47.33	1.636e+04	-	
3442.34													
7	14	2.856e+04	1.304e+04	-0.04	0.0	0.0	585.45	-412.43	245.64	-24.03	-1.857e+04		
2.856e+04													
		-2.733e+04	-1.857e+04	-0.14	0.0	64.3	612.88	-412.43	245.64	-24.03	-2768.89	613.78	
						128.7	640.31	-412.43	245.64	-24.03	1.304e+04	-	
2.733e+04													
7	15	4.432e+04	1.987e+04	0.07	0.0	0.0	-2012.77	509.71	-260.84	15.58	1.987e+04	-	
2.414e+04													
		-2.414e+04	-1.369e+04	0.07	0.0	64.3	-1985.34	509.71	-260.84	15.58	3088.57		
1.009e+04													
						128.7	-1957.92	509.71	-260.84	15.58	-1.369e+04		

4.432e+04												
7	16	1.976e+04	2.531e+04	0.06	0.0	0.0	-653.52	218.23	-332.38	37.15	2.531e+04	-
1.087e+04												
		-1.087e+04	-1.747e+04	0.16	0.0	64.3	-626.10	218.23	-332.38	37.15	3923.38	
4441.31												
						128.7	-598.67	218.23	-332.38	37.15	-1.747e+04	
1.976e+04												
7	17	1.487e+04	1.658e+04	-0.03	0.0	0.0	-771.69	-119.88	313.33	-46.46	-2.374e+04	
1.487e+04												
		-3106.73	-2.374e+04	-0.24	0.0	64.3	-744.26	-119.88	313.33	-46.46	-3579.98	
5880.93												
						128.7	-716.83	-119.88	313.33	-46.46	1.658e+04	-
3106.73												
7	18	2.813e+04	1.281e+04	-0.04	0.0	0.0	587.56	-411.36	241.79	-24.89	-1.830e+04	
2.813e+04												
		-2.767e+04	-1.830e+04	-0.15	0.0	64.3	614.99	-411.36	241.79	-24.89	-2745.17	232.16
						128.7	642.42	-411.36	241.79	-24.89	1.281e+04	-
2.767e+04												
7	19	4.362e+04	2.011e+04	0.03	0.0	0.0	-1962.85	504.85	-264.06	15.16	2.011e+04	-
2.447e+04												
		-2.447e+04	-1.387e+04	0.03	0.0	64.3	-1935.42	504.85	-264.06	15.16	3117.68	
9578.51												
						128.7	-1908.00	504.85	-264.06	15.16	-1.387e+04	
4.362e+04												
7	20	1.973e+04	2.501e+04	0.02	0.0	0.0	-607.82	211.25	-327.91	38.46	2.501e+04	-
1.034e+04												
		-1.034e+04	-1.720e+04	0.13	0.0	64.3	-580.39	211.25	-327.91	38.46	3905.06	
4692.97												
						128.7	-552.96	211.25	-327.91	38.46	-1.720e+04	
1.973e+04												
7	21	1.434e+04	1.631e+04	6.88e-03	0.0	0.0	-817.40	-112.90	308.85	-47.78	-2.344e+04	
1.434e+04												
		-3079.62	-2.344e+04	-0.20	0.0	64.3	-789.97	-112.90	308.85	-47.78	-3561.66	
5629.27												
						128.7	-762.54	-112.90	308.85	-47.78	1.631e+04	-
3079.62												
7	22	2.846e+04	1.299e+04	3.78e-03	0.0	0.0	537.64	-406.51	245.01	-24.48	-1.854e+04	
2.846e+04												
		-2.697e+04	-1.854e+04	-0.11	0.0	64.3	565.07	-406.51	245.01	-24.48	-2774.28	743.73
						128.7	592.49	-406.51	245.01	-24.48	1.299e+04	-
2.697e+04												
7	23	4.396e+04	1.984e+04	0.03	0.0	0.0	-1964.96	503.79	-260.22	16.03	1.984e+04	-
2.404e+04												
		-2.404e+04	-1.365e+04	0.03	0.0	64.3	-1937.53	503.79	-260.22	16.03	3093.96	
9960.13												
						128.7	-1910.10	503.79	-260.22	16.03	-1.365e+04	
4.396e+04												
7	24	1.939e+04	2.528e+04	0.02	0.0	0.0	-605.71	212.31	-331.75	37.60	2.528e+04	-
1.077e+04												
		-1.077e+04	-1.742e+04	0.13	0.0	64.3	-578.28	212.31	-331.75	37.60	3928.78	
4311.36												
						128.7	-550.85	212.31	-331.75	37.60	-1.742e+04	
1.939e+04												
7	25	1.477e+04	1.654e+04	8.51e-03	0.0	0.0	-819.50	-113.96	312.70	-46.91	-2.371e+04	
1.477e+04												
		-2744.01	-2.371e+04	-0.20	0.0	64.3	-792.07	-113.96	312.70	-46.91	-3585.37	
6010.88												
						128.7	-764.65	-113.96	312.70	-46.91	1.654e+04	-
2744.01												
7	26	2.803e+04	1.277e+04	2.42e-03	0.0	0.0	539.74	-405.44	241.17	-25.34	-1.827e+04	
2.803e+04												
		-2.731e+04	-1.827e+04	-0.11	0.0	64.3	567.17	-405.44	241.17	-25.34	-2750.56	362.11
						128.7	594.60	-405.44	241.17	-25.34	1.277e+04	-
2.731e+04												
7	27	5.526e+04	558.69	0.04	0.0	0.0	-3157.16	632.96	10.75	-34.18	-839.31	-
2.739e+04												
		-2.739e+04	-839.31	-0.15	0.0	64.3	-3129.73	632.96	10.75	-34.18	-140.31	
1.394e+04												
						128.7	-3102.31	632.96	10.75	-34.18	558.69	
5.526e+04												
7	28	1.968e+04	1.549e+04	0.02	0.0	0.0	1359.62	-345.73	-202.05	43.48	1.549e+04	
1.968e+04												

		-2.438e+04	-1.052e+04	0.17	0.0	64.3	1387.05	-345.73	-202.05	43.48	2484.28	-2350.07
						128.7	1414.48	-345.73	-202.05	43.48	-1.052e+04	-2.438e+04
7	29	4.103e+04	9641.94	5.91e-03	0.0	0.0	-2784.84	444.08	183.00	-52.79	-1.392e+04	-1.569e+04
		-1.569e+04	-1.392e+04	-0.25	0.0	64.3	-2757.41	444.08	183.00	-52.79	-2140.88	1.267e+04
						128.7	-2729.98	444.08	183.00	-52.79	9641.94	4.103e+04
7	30	3.138e+04	2408.55	-6.67e-03	0.0	0.0	1731.95	-534.61	-29.80	24.87	2408.55	3.138e+04
		-3.861e+04	-1441.12	0.08	0.0	64.3	1759.38	-534.61	-29.80	24.87	483.71	-3612.82
						128.7	1786.81	-534.61	-29.80	24.87	-1441.12	-3.861e+04
7	31	5.515e+04	572.40	0.02	0.0	0.0	-3142.82	631.18	10.94	-34.05	-849.78	-2.736e+04
		-2.736e+04	-849.78	-0.17	0.0	64.3	-3115.39	631.18	10.94	-34.05	-138.69	1.390e+04
						128.7	-3087.96	631.18	10.94	-34.05	572.40	5.515e+04
7	32	1.971e+04	1.548e+04	0.01	0.0	0.0	1373.97	-347.51	-201.87	43.61	1.548e+04	1.971e+04
		-2.449e+04	-1.051e+04	0.16	0.0	64.3	1401.40	-347.51	-201.87	43.61	2485.90	-2389.06
						128.7	1428.82	-347.51	-201.87	43.61	-1.051e+04	-2.449e+04
7	33	4.114e+04	9628.23	0.02	0.0	0.0	-2799.18	445.86	182.82	-52.93	-1.391e+04	-1.572e+04
		-1.572e+04	-1.391e+04	-0.24	0.0	64.3	-2771.75	445.86	182.82	-52.93	-2142.49	1.271e+04
						128.7	-2744.33	445.86	182.82	-52.93	9628.23	4.114e+04
7	34	3.135e+04	2419.02	7.25e-03	0.0	0.0	1717.61	-532.83	-29.99	24.73	2419.02	3.135e+04
		-3.850e+04	-1454.83	0.09	0.0	64.3	1745.03	-532.83	-29.99	24.73	482.10	-3573.83
						128.7	1772.46	-532.83	-29.99	24.73	-1454.83	-3.850e+04
7	35	5.638e+04	1303.83	0.04	0.0	0.0	-3164.18	629.42	23.58	-31.30	-1742.58	-2.596e+04
		-2.596e+04	-1742.58	-0.15	0.0	64.3	-3136.75	629.42	23.58	-31.30	-219.37	1.521e+04
						128.7	-3109.33	629.42	23.58	-31.30	1303.83	5.638e+04
7	36	1.826e+04	1.640e+04	0.02	0.0	0.0	1366.64	-342.19	-214.88	40.59	1.640e+04	1.826e+04
		-2.550e+04	-1.127e+04	0.17	0.0	64.3	1394.07	-342.19	-214.88	40.59	2563.34	-3622.11
						128.7	1421.50	-342.19	-214.88	40.59	-1.127e+04	-2.550e+04
7	37	4.215e+04	1.039e+04	0.01	0.0	0.0	-2791.86	440.54	195.83	-49.91	-1.483e+04	-1.426e+04
		-1.426e+04	-1.483e+04	-0.24	0.0	64.3	-2764.43	440.54	195.83	-49.91	-2219.94	1.394e+04
						128.7	-2737.00	440.54	195.83	-49.91	1.039e+04	4.215e+04
7	38	2.996e+04	3311.82	-0.01	0.0	0.0	1738.97	-531.07	-42.63	21.98	3311.82	2.996e+04
		-3.973e+04	-2186.27	0.07	0.0	64.3	1766.40	-531.07	-42.63	21.98	562.78	-4884.86
						128.7	1793.82	-531.07	-42.63	21.98	-2186.27	-3.973e+04
7	39	5.627e+04	1317.54	0.03	0.0	0.0	-3149.84	627.64	23.76	-31.16	-1753.05	-2.593e+04
		-2.593e+04	-1753.05	-0.16	0.0	64.3	-3122.41	627.64	23.76	-31.16	-217.76	1.517e+04
						128.7	-3094.98	627.64	23.76	-31.16	1317.54	5.627e+04
7	40	1.829e+04	1.639e+04	7.32e-03	0.0	0.0	1380.99	-343.97	-214.69	40.73	1.639e+04	1.829e+04

		-2.561e+04	-1.126e+04	0.15	0.0	64.3	1408.42	-343.97	-214.69	40.73	2564.96	-3661.10
						128.7	1435.84	-343.97	-214.69	40.73	-1.126e+04	-2.561e+04
7	41	4.226e+04	1.037e+04	0.02	0.0	0.0	-2806.20	442.31	195.64	-50.04	-1.482e+04	-1.429e+04
		-1.429e+04	-1.482e+04	-0.23	0.0	64.3	-2778.77	442.31	195.64	-50.04	-2221.56	1.398e+04
						128.7	-2751.34	442.31	195.64	-50.04	1.037e+04	4.226e+04
7	42	2.993e+04	3322.30	3.47e-03	0.0	0.0	1724.62	-529.29	-42.81	21.85	3322.30	2.993e+04
		-3.962e+04	-2199.98	0.08	0.0	64.3	1752.05	-529.29	-42.81	21.85	561.16	-4845.87
						128.7	1779.48	-529.29	-42.81	21.85	-2199.98	-3.962e+04
7	43	3.647e+04	1.611e+04	0.06	0.0	0.0	-1736.49	412.23	-211.55	10.71	1.611e+04	-1.878e+04
		-1.878e+04	-1.111e+04	0.05	0.0	64.3	-1709.06	412.23	-211.55	10.71	2500.09	8847.01
						128.7	-1681.63	412.23	-211.55	10.71	-1.111e+04	3.647e+04
7	44	1.754e+04	1.997e+04	0.06	0.0	0.0	-662.63	179.71	-261.78	29.11	1.997e+04	-7616.25
		-7616.25	-1.373e+04	0.12	0.0	64.3	-635.20	179.71	-261.78	29.11	3120.64	4962.41
						128.7	-607.77	179.71	-261.78	29.11	-1.373e+04	1.754e+04
7	45	1.161e+04	1.284e+04	-0.02	0.0	0.0	-762.59	-81.36	242.73	-38.42	-1.840e+04	1.161e+04
		-890.53	-1.840e+04	-0.20	0.0	64.3	-735.16	-81.36	242.73	-38.42	-2777.24	5359.83
						128.7	-707.73	-81.36	242.73	-38.42	1.284e+04	-890.53
7	46	2.277e+04	1.023e+04	-0.03	0.0	0.0	311.28	-313.88	192.50	-20.02	-1.454e+04	2.277e+04
		-1.982e+04	-1.454e+04	-0.12	0.0	64.3	338.70	-313.88	192.50	-20.02	-2156.69	1475.23
						128.7	366.13	-313.88	192.50	-20.02	1.023e+04	-1.982e+04
7	47	3.674e+04	1.590e+04	0.06	0.0	0.0	-1738.11	411.35	-208.50	11.38	1.590e+04	-1.843e+04
		-1.843e+04	-1.093e+04	0.05	0.0	64.3	-1710.69	411.35	-208.50	11.38	2481.39	9151.55
						128.7	-1683.26	411.35	-208.50	11.38	-1.093e+04	3.674e+04
7	48	1.728e+04	2.018e+04	0.05	0.0	0.0	-661.00	180.58	-264.83	28.43	2.018e+04	-7960.52
		-7960.52	-1.390e+04	0.12	0.0	64.3	-633.57	180.58	-264.83	28.43	3139.34	4657.87
						128.7	-606.14	180.58	-264.83	28.43	-1.390e+04	1.728e+04
7	49	1.195e+04	1.302e+04	-0.02	0.0	0.0	-764.21	-82.24	245.78	-37.75	-1.861e+04	1.195e+04
		-625.71	-1.861e+04	-0.20	0.0	64.3	-736.78	-82.24	245.78	-37.75	-2795.94	5664.37
						128.7	-709.36	-82.24	245.78	-37.75	1.302e+04	-625.71
7	50	2.243e+04	1.005e+04	-0.03	0.0	0.0	312.90	-313.00	189.45	-20.70	-1.433e+04	2.243e+04
		-2.009e+04	-1.433e+04	-0.12	0.0	64.3	340.33	-313.00	189.45	-20.70	-2137.98	1170.69
						128.7	367.76	-313.00	189.45	-20.70	1.005e+04	-2.009e+04
7	51	3.614e+04	1.608e+04	0.03	0.0	0.0	-1697.30	406.42	-210.95	11.06	1.608e+04	-1.861e+04
		-1.861e+04	-1.107e+04	0.02	0.0	64.3	-1669.87	406.42	-210.95	11.06	2503.35	8766.11
						128.7	-1642.44	406.42	-210.95	11.06	-1.107e+04	3.614e+04
7	52	1.721e+04	1.993e+04	0.02	0.0	0.0	-623.43	173.90	-261.18	29.46	1.993e+04	-7445.75

		-7445.75	-1.368e+04	0.09	0.0	64.3	-596.00	173.90	-261.18	29.46	3123.90	4881.51
						128.7	-568.58	173.90	-261.18	29.46	-1.368e+04	1.721e+04
7	53	1.144e+04	1.280e+04	8.19e-03	0.0	0.0	-801.78	-75.56	242.13	-38.78	-1.836e+04	1.144e+04
		-558.22	-1.836e+04	-0.17	0.0	64.3	-774.35	-75.56	242.13	-38.78	-2780.50	5440.73
						128.7	-746.92	-75.56	242.13	-38.78	1.280e+04	-558.22
7	54	2.260e+04	1.019e+04	5.36e-03	0.0	0.0	272.08	-308.08	191.90	-20.38	-1.451e+04	2.260e+04
		-1.949e+04	-1.451e+04	-0.09	0.0	64.3	299.51	-308.08	191.90	-20.38	-2159.95	1556.13
						128.7	326.94	-308.08	191.90	-20.38	1.019e+04	-1.949e+04
7	55	3.640e+04	1.586e+04	0.03	0.0	0.0	-1698.92	405.55	-207.90	11.74	1.586e+04	-1.826e+04
		-1.826e+04	-1.089e+04	0.02	0.0	64.3	-1671.49	405.55	-207.90	11.74	2484.65	9070.65
						128.7	-1644.07	405.55	-207.90	11.74	-1.089e+04	3.640e+04
7	56	1.694e+04	2.015e+04	0.02	0.0	0.0	-621.81	174.78	-264.23	28.79	2.015e+04	-7790.02
		-7790.02	-1.386e+04	0.09	0.0	64.3	-594.38	174.78	-264.23	28.79	3142.61	4576.97
						128.7	-566.95	174.78	-264.23	28.79	-1.386e+04	1.694e+04
7	57	1.178e+04	1.298e+04	9.47e-03	0.0	0.0	-803.40	-76.43	245.18	-38.10	-1.858e+04	1.178e+04
		-293.41	-1.858e+04	-0.17	0.0	64.3	-775.98	-76.43	245.18	-38.10	-2799.21	5745.28
						128.7	-748.55	-76.43	245.18	-38.10	1.298e+04	-293.41
7	58	2.226e+04	1.001e+04	4.26e-03	0.0	0.0	273.71	-307.20	188.85	-21.05	-1.429e+04	2.226e+04
		-1.975e+04	-1.429e+04	-0.09	0.0	64.3	301.14	-307.20	188.85	-21.05	-2141.25	1251.59
						128.7	328.56	-307.20	188.85	-21.05	1.001e+04	-1.975e+04
7	59	4.548e+04	324.46	0.03	0.0	0.0	-2648.47	510.74	6.06	-27.96	-466.36	2.116e+04
		-2.116e+04	-466.36	-0.13	0.0	64.3	-2621.04	510.74	6.06	-27.96	-70.95	1.216e+04
						128.7	-2593.61	510.74	6.06	-27.96	324.46	4.548e+04
7	60	1.604e+04	1.239e+04	0.02	0.0	0.0	931.08	-264.32	-161.39	33.38	1.239e+04	1.604e+04
		-1.762e+04	-8393.10	0.13	0.0	64.3	958.51	-264.32	-161.39	33.38	1997.55	790.13
						128.7	985.94	-264.32	-161.39	33.38	-8393.10	1.762e+04
7	61	3.427e+04	7510.67	7.59e-03	0.0	0.0	-2356.29	362.67	142.34	-42.70	-1.082e+04	1.205e+04
		-1.205e+04	-1.082e+04	-0.20	0.0	64.3	-2328.87	362.67	142.34	-42.70	-1654.15	1.111e+04
						128.7	-2301.44	362.67	142.34	-42.70	7510.67	3.427e+04
7	62	2.516e+04	2035.60	-1.92e-03	0.0	0.0	1223.25	-412.40	-25.11	18.64	2035.60	2.516e+04
		-2.883e+04	-1206.89	0.05	0.0	64.3	1250.68	-412.40	-25.11	18.64	414.35	1836.29
						128.7	1278.11	-412.40	-25.11	18.64	-1206.89	2.883e+04
7	63	4.538e+04	336.96	0.02	0.0	0.0	-2636.71	509.00	6.24	-27.85	-476.90	2.111e+04
		-2.111e+04	-476.90	-0.14	0.0	64.3	-2609.28	509.00	6.24	-27.85	-69.97	1.213e+04
						128.7	-2581.85	509.00	6.24	-27.85	336.96	4.538e+04
7	64	1.609e+04	1.238e+04	0.01	0.0	0.0	942.84	-266.06	-161.21	33.49	1.238e+04	1.609e+04

		-1.772e+04	-8380.60	0.12	0.0	64.3	970.27	-266.06	-161.21	33.49	1998.53	-814.41
						128.7	997.70	-266.06	-161.21	33.49	-8380.60	-1.772e+04
7	65	3.437e+04	7498.16	0.02	0.0	0.0	-2368.05	364.41	142.16	-42.80	-1.081e+04	-1.210e+04
		-1.210e+04	-1.081e+04	-0.20	0.0	64.3	-2340.62	364.41	142.16	-42.80	-1655.13	1.114e+04
						128.7	-2313.20	364.41	142.16	-42.80	7498.16	3.437e+04
7	66	2.511e+04	2046.14	8.41e-03	0.0	0.0	1211.49	-410.65	-25.29	18.53	2046.14	2.511e+04
		-2.873e+04	-1219.39	0.06	0.0	64.3	1238.92	-410.65	-25.29	18.53	413.37	-1812.02
						128.7	1266.35	-410.65	-25.29	18.53	-1219.39	-2.873e+04
7	67	4.636e+04	915.53	0.04	0.0	0.0	-2653.88	507.83	16.22	-25.70	-1182.11	-2.002e+04
		-2.002e+04	-1182.11	-0.13	0.0	64.3	-2626.45	507.83	16.22	-25.70	-133.29	1.317e+04
						128.7	-2599.02	507.83	16.22	-25.70	915.53	4.636e+04
7	68	1.489e+04	1.310e+04	0.02	0.0	0.0	936.50	-261.40	-171.56	31.13	1.310e+04	1.489e+04
		-1.850e+04	-8984.17	0.12	0.0	64.3	963.93	-261.40	-171.56	31.13	2059.89	-1805.28
						128.7	991.35	-261.40	-171.56	31.13	-8984.17	-1.850e+04
7	69	3.515e+04	8101.74	0.01	0.0	0.0	-2361.71	359.75	152.51	-40.44	-1.153e+04	-1.090e+04
		-1.090e+04	-1.153e+04	-0.20	0.0	64.3	-2334.28	359.75	152.51	-40.44	-1716.49	1.213e+04
						128.7	-2306.85	359.75	152.51	-40.44	8101.74	3.515e+04
7	70	2.401e+04	2751.36	-6.20e-03	0.0	0.0	1228.67	-409.48	-35.27	16.39	2751.36	2.401e+04
		-2.971e+04	-1797.96	0.05	0.0	64.3	1256.10	-409.48	-35.27	16.39	476.70	-2851.43
						128.7	1283.52	-409.48	-35.27	16.39	-1797.96	-2.971e+04
7	71	4.626e+04	928.03	0.03	0.0	0.0	-2642.12	506.09	16.40	-25.60	-1192.66	-1.997e+04
		-1.997e+04	-1192.66	-0.13	0.0	64.3	-2614.69	506.09	16.40	-25.60	-132.31	1.315e+04
						128.7	-2587.27	506.09	16.40	-25.60	928.03	4.626e+04
7	72	1.494e+04	1.309e+04	8.72e-03	0.0	0.0	948.25	-263.14	-171.38	31.23	1.309e+04	1.494e+04
		-1.860e+04	-8971.67	0.11	0.0	64.3	975.68	-263.14	-171.38	31.23	2060.87	-1829.55
						128.7	1003.11	-263.14	-171.38	31.23	-8971.67	-1.860e+04
7	73	3.525e+04	8089.24	0.02	0.0	0.0	-2373.47	361.49	152.33	-40.55	-1.152e+04	-1.095e+04
		-1.095e+04	-1.152e+04	-0.19	0.0	64.3	-2346.04	361.49	152.33	-40.55	-1717.47	1.215e+04
						128.7	-2318.61	361.49	152.33	-40.55	8089.24	3.525e+04
7	74	2.396e+04	2761.90	4.89e-03	0.0	0.0	1216.91	-407.74	-35.45	16.28	2761.90	2.396e+04
		-2.961e+04	-1810.46	0.06	0.0	64.3	1244.34	-407.74	-35.45	16.28	475.72	-2827.16
						128.7	1271.77	-407.74	-35.45	16.28	-1810.46	-2.961e+04
7	75	3.162e+04	1.346e+04	0.05	0.0	0.0	-1559.91	349.93	-176.59	8.04	1.346e+04	-1.523e+04
		-1.523e+04	-9264.33	0.03	0.0	64.3	-1532.48	349.93	-176.59	8.04	2097.01	8193.71
						128.7	-1505.05	349.93	-176.59	8.04	-9264.33	3.162e+04
7	76	1.597e+04	1.665e+04	0.05	0.0	0.0	-672.44	157.75	-218.12	23.25	1.665e+04	-6004.05

		-6004.05	-1.143e+04	0.10	0.0	64.3	-645.01	157.75	-218.12	23.25	2610.05	4984.68
						128.7	-617.58	157.75	-218.12	23.25	-1.143e+04	1.597e+04
7	77	9997.99	1.054e+04	-0.02	0.0	0.0	-752.77	-59.40	199.07	-32.57	-1.508e+04	9997.99
		677.13	-1.508e+04	-0.17	0.0	64.3	-725.35	-59.40	199.07	-32.57	-2266.65	5337.56
						128.7	-697.92	-59.40	199.07	-32.57	1.054e+04	677.13
7	78	1.923e+04	8381.89	-0.02	0.0	0.0	134.70	-251.59	157.53	-17.36	-1.189e+04	1.923e+04
		-1.497e+04	-1.189e+04	-0.11	0.0	64.3	162.12	-251.59	157.53	-17.36	-1753.60	2128.53
						128.7	189.55	-251.59	157.53	-17.36	8381.89	-1.497e+04
7	79	3.184e+04	1.328e+04	0.05	0.0	0.0	-1561.26	349.22	-174.06	8.60	1.328e+04	-1.495e+04
		-1.495e+04	-9117.75	0.03	0.0	64.3	-1533.83	349.22	-174.06	8.60	2081.53	8445.15
						128.7	-1506.40	349.22	-174.06	8.60	-9117.75	3.184e+04
7	80	1.575e+04	1.682e+04	0.05	0.0	0.0	-671.09	158.47	-220.64	22.69	1.682e+04	-6287.93
		-6287.93	-1.157e+04	0.09	0.0	64.3	-643.66	158.47	-220.64	22.69	2625.52	4733.24
						128.7	-616.24	158.47	-220.64	22.69	-1.157e+04	1.575e+04
7	81	1.028e+04	1.069e+04	-0.02	0.0	0.0	-754.12	-60.12	201.59	-32.01	-1.526e+04	1.028e+04
		896.14	-1.526e+04	-0.17	0.0	64.3	-726.69	-60.12	201.59	-32.01	-2282.12	5589.00
						128.7	-699.27	-60.12	201.59	-32.01	1.069e+04	896.14
7	82	1.894e+04	8235.32	-0.02	0.0	0.0	136.04	-250.87	155.01	-17.92	-1.171e+04	1.894e+04
		-1.519e+04	-1.171e+04	-0.11	0.0	64.3	163.47	-250.87	155.01	-17.92	-1738.13	1877.09
						128.7	190.90	-250.87	155.01	-17.92	8235.32	-1.519e+04
7	83	3.134e+04	1.343e+04	0.02	0.0	0.0	-1527.46	345.14	-176.08	8.33	1.343e+04	-1.509e+04
		-1.509e+04	-9229.07	7.10e-03	0.0	64.3	-1500.03	345.14	-176.08	8.33	2099.54	8125.75
						128.7	-1472.60	345.14	-176.08	8.33	-9229.07	3.134e+04
7	84	1.570e+04	1.662e+04	0.02	0.0	0.0	-639.99	152.96	-217.61	23.54	1.662e+04	-5864.32
		-5864.32	-1.139e+04	0.07	0.0	64.3	-612.56	152.96	-217.61	23.54	2612.59	4916.72
						128.7	-585.13	152.96	-217.61	23.54	-1.139e+04	1.570e+04
7	85	9858.26	1.051e+04	9.47e-03	0.0	0.0	-785.23	-54.61	198.56	-32.86	-1.505e+04	9858.26
		952.79	-1.505e+04	-0.15	0.0	64.3	-757.80	-54.61	198.56	-32.86	-2269.18	5405.52
						128.7	-730.37	-54.61	198.56	-32.86	1.051e+04	952.79
7	86	1.909e+04	8346.64	7.10e-03	0.0	0.0	102.25	-246.80	157.03	-17.65	-1.186e+04	1.909e+04
		-1.469e+04	-1.186e+04	-0.08	0.0	64.3	129.67	-246.80	157.03	-17.65	-1756.14	2196.49
						128.7	157.10	-246.80	157.03	-17.65	8346.64	-1.469e+04
7	87	3.156e+04	1.325e+04	0.02	0.0	0.0	-1528.80	344.42	-173.56	8.89	1.325e+04	-1.481e+04
		-1.481e+04	-9082.49	8.35e-03	0.0	64.3	-1501.38	344.42	-173.56	8.89	2084.07	8377.19
						128.7	-1473.95	344.42	-173.56	8.89	-9082.49	3.156e+04
7	88	1.548e+04	1.679e+04	0.02	0.0	0.0	-638.64	153.68	-220.14	22.98	1.679e+04	-6148.20
		-6148.20	-1.154e+04	0.07	0.0	64.3	-611.21	153.68	-220.14	22.98	2628.06	4665.28
						128.7	-583.78	153.68	-220.14	22.98	-1.154e+04	

1.548e+04												
7	89	1.014e+04	1.066e+04	0.01	0.0	0.0	-786.57	-55.33	201.09	-32.30	-1.523e+04	
1.014e+04												
		1171.79	-1.523e+04	-0.15	0.0	64.3	-759.14	-55.33	201.09	-32.30	-2284.65	
5656.97												
						128.7	-731.72	-55.33	201.09	-32.30	1.066e+04	
1171.79												
7	90	1.880e+04	8200.06	6.04e-03	0.0	0.0	103.59	-246.08	154.51	-18.21	-1.168e+04	
1.880e+04												
		-1.491e+04	-1.168e+04	-0.08	0.0	64.3	131.02	-246.08	154.51	-18.21	-1740.67	
1945.05												
						128.7	158.45	-246.08	154.51	-18.21	8200.06	-
1.491e+04												
7	91	3.904e+04	191.74	0.03	0.0	0.0	-2312.80	430.88	3.36	-23.92	-249.39	-
1.717e+04												
		-1.717e+04	-249.39	-0.11	0.0	64.3	-2285.37	430.88	3.36	-23.92	-28.83	
1.094e+04												
						128.7	-2257.94	430.88	3.36	-23.92	191.74	
3.904e+04												
7	92	1.359e+04	1.038e+04	0.02	0.0	0.0	645.44	-209.73	-135.10	26.78	1.038e+04	
1.359e+04												
		-1.311e+04	-7016.81	0.10	0.0	64.3	672.87	-209.73	-135.10	26.78	1681.32	241.16
						128.7	700.30	-209.73	-135.10	26.78	-7016.81	-
1.311e+04												
7	93	2.976e+04	6134.38	8.94e-03	0.0	0.0	-2070.66	308.08	116.05	-36.10	-8810.22	-
9597.89												
		-9597.89	-8810.22	-0.18	0.0	64.3	-2043.23	308.08	116.05	-36.10	-1337.92	
1.008e+04												
						128.7	-2015.80	308.08	116.05	-36.10	6134.38	
2.976e+04												
7	94	2.116e+04	1818.63	2.03e-03	0.0	0.0	887.58	-332.54	-22.41	14.60	1818.63	
2.116e+04												
		-2.239e+04	-1074.18	0.04	0.0	64.3	915.01	-332.54	-22.41	14.60	372.23	-
615.68												
						128.7	942.44	-332.54	-22.41	14.60	-1074.18	-
2.239e+04												
7	95	3.896e+04	202.32	0.02	0.0	0.0	-2303.06	429.45	3.51	-23.83	-258.45	-
1.712e+04												
		-1.712e+04	-258.45	-0.12	0.0	64.3	-2275.63	429.45	3.51	-23.83	-28.06	
1.092e+04												
						128.7	-2248.20	429.45	3.51	-23.83	202.32	
3.896e+04												
7	96	1.363e+04	1.037e+04	0.01	0.0	0.0	655.18	-211.17	-134.95	26.87	1.037e+04	
1.363e+04												
		-1.319e+04	-7006.23	0.09	0.0	64.3	682.61	-211.17	-134.95	26.87	1682.08	220.77
						128.7	710.03	-211.17	-134.95	26.87	-7006.23	-
1.319e+04												
7	97	2.984e+04	6123.80	0.02	0.0	0.0	-2080.39	309.52	115.90	-36.19	-8801.16	-
9639.81												
		-9639.81	-8801.16	-0.17	0.0	64.3	-2052.96	309.52	115.90	-36.19	-1338.68	
1.010e+04												
						128.7	-2025.53	309.52	115.90	-36.19	6123.80	
2.984e+04												
7	98	2.112e+04	1827.69	9.18e-03	0.0	0.0	877.85	-331.10	-22.56	14.51	1827.69	
2.112e+04												
		-2.231e+04	-1084.75	0.05	0.0	64.3	905.28	-331.10	-22.56	14.51	371.47	-
595.29												
						128.7	932.70	-331.10	-22.56	14.51	-1084.75	-
2.231e+04												
7	99	3.977e+04	680.33	0.03	0.0	0.0	-2317.28	428.49	11.76	-22.05	-841.12	-
1.622e+04												
		-1.622e+04	-841.12	-0.11	0.0	64.3	-2289.86	428.49	11.76	-22.05	-80.39	
1.178e+04												
						128.7	-2262.43	428.49	11.76	-22.05	680.33	
3.977e+04												
7	100	1.265e+04	1.097e+04	0.02	0.0	0.0	649.93	-207.34	-143.51	24.92	1.097e+04	
1.265e+04												
		-1.384e+04	-7505.40	0.10	0.0	64.3	677.36	-207.34	-143.51	24.92	1732.89	-
596.98												
						128.7	704.79	-207.34	-143.51	24.92	-7505.40	-
1.384e+04												
7	101	3.049e+04	6622.97	0.01	0.0	0.0	-2075.14	305.69	124.46	-34.24	-9401.95	-

8651.62												
		-8651.62	-9401.95	-0.17	0.0	64.3	-2047.72	305.69	124.46	-34.24	-1389.49	
1.092e+04												
						128.7	-2020.29	305.69	124.46	-34.24	6622.97	
3.049e+04												
7	102	2.021e+04	2410.36	-2.51e-03	0.0	0.0	892.07	-330.14	-30.81	12.74	2410.36	
2.021e+04												
		-2.312e+04	-1562.76	0.03	0.0	64.3	919.50	-330.14	-30.81	12.74	423.80	-
1453.82												
						128.7	946.93	-330.14	-30.81	12.74	-1562.76	-
2.312e+04												
7	103	3.969e+04	690.91	0.02	0.0	0.0	-2307.55	427.05	11.91	-21.97	-850.17	-
1.618e+04												
		-1.618e+04	-850.17	-0.12	0.0	64.3	-2280.12	427.05	11.91	-21.97	-79.63	
1.176e+04												
						128.7	-2252.69	427.05	11.91	-21.97	690.91	
3.969e+04												
7	104	1.269e+04	1.096e+04	9.80e-03	0.0	0.0	659.67	-208.78	-143.36	25.01	1.096e+04	
1.269e+04												
		-1.392e+04	-7494.82	0.09	0.0	64.3	687.09	-208.78	-143.36	25.01	1733.65	-
617.37												
						128.7	714.52	-208.78	-143.36	25.01	-7494.82	-
1.392e+04												
7	105	3.057e+04	6612.39	0.02	0.0	0.0	-2084.88	307.12	124.30	-34.32	-9392.89	-
8693.54												
		-8693.54	-9392.89	-0.16	0.0	64.3	-2057.45	307.12	124.30	-34.32	-1390.25	
1.094e+04												
						128.7	-2030.02	307.12	124.30	-34.32	6612.39	
3.057e+04												
7	106	2.017e+04	2419.41	6.11e-03	0.0	0.0	882.34	-328.70	-30.96	12.65	2419.41	
2.017e+04												
		-2.304e+04	-1573.34	0.04	0.0	64.3	909.76	-328.70	-30.96	12.65	423.04	-
1433.43												
						128.7	937.19	-328.70	-30.96	12.65	-1573.34	-
2.304e+04												
18	1	868.04	216.53	0.01	0.0	0.0	-348.25	-8.79	1.69	-4.34	-186.91	868.04
		-1232.68	-186.91	-0.04	0.0	119.5	-282.04	-8.79	1.69	-4.34	14.81	-
182.32												
						239.0	-215.82	-8.79	1.69	-4.34	216.53	-
1232.68												
18	2	3304.27	489.15	0.05	0.0	0.0	-1466.13	-44.36	-4.35	-12.94	489.15	
3304.27												
		-7298.26	-551.03	-0.10	0.0	119.5	-1399.91	-44.36	-4.35	-12.94	-30.94	-
1997.00												
						239.0	-1333.70	-44.36	-4.35	-12.94	-551.03	-
7298.26												
18	3	621.75	181.05	0.01	0.0	0.0	-246.79	-6.09	1.41	-3.17	-156.54	621.75
		-833.75	-156.54	-0.03	0.0	119.5	-195.85	-6.09	1.41	-3.17	12.25	-
106.00												
						239.0	-144.92	-6.09	1.41	-3.17	181.05	-
833.75												
18	4	3057.97	519.52	0.05	0.0	0.0	-1364.67	-41.66	-4.63	-11.78	519.52	
3057.97												
		-6899.33	-586.51	-0.09	0.0	119.5	-1313.73	-41.66	-4.63	-11.78	-33.50	-
1920.68												
						239.0	-1262.80	-41.66	-4.63	-11.78	-586.51	-
6899.33												
18	5	647.74	172.86	0.01	0.0	0.0	-258.72	-6.47	1.35	-3.27	-149.33	647.74
		-898.45	-149.33	-0.03	0.0	119.5	-207.78	-6.47	1.35	-3.27	11.77	-
125.35												
						239.0	-156.84	-6.47	1.35	-3.27	172.86	-
898.45												
18	6	2271.88	301.38	0.04	0.0	0.0	-1003.97	-30.18	-2.68	-9.00	301.38	
2271.88												
		-4942.17	-338.85	-0.07	0.0	119.5	-953.03	-30.18	-2.68	-9.00	-18.73	-
1335.14												
						239.0	-902.09	-30.18	-2.68	-9.00	-338.85	-
4942.17												
18	7	647.74	172.86	0.01	0.0	0.0	-258.72	-6.47	1.35	-3.27	-149.33	647.74
		-898.45	-149.33	-0.03	0.0	119.5	-207.78	-6.47	1.35	-3.27	11.77	-
125.35												
						239.0	-156.84	-6.47	1.35	-3.27	172.86	-

898.45												
18	8	1784.64	166.17	0.03	0.0	0.0	-780.39	-23.07	-1.47	-7.28	166.17	
1784.64												
		-3729.05	-185.33	-0.06	0.0	119.5	-729.46	-23.07	-1.47	-7.28	-9.58	-
972.20												
						239.0	-678.52	-23.07	-1.47	-7.28	-185.33	-
3729.05												
18	9	647.74	172.86	0.01	0.0	0.0	-258.72	-6.47	1.35	-3.27	-149.33	647.74
		-898.45	-149.33	-0.03	0.0	119.5	-207.78	-6.47	1.35	-3.27	11.77	-
125.35												
						239.0	-156.84	-6.47	1.35	-3.27	172.86	-
898.45												
18	10	1622.23	121.10	0.03	0.0	0.0	-705.87	-20.70	-1.07	-6.71	121.10	
1622.23												
		-3324.68	-134.16	-0.05	0.0	119.5	-654.93	-20.70	-1.07	-6.71	-6.53	-
851.23												
						239.0	-603.99	-20.70	-1.07	-6.71	-134.16	-
3324.68												
18	11	4180.21	7212.02	-0.03	0.0	0.0	-387.83	-36.06	55.71	-79.60	-6099.82	
4180.21												
		-5561.32	-6099.82	-0.29	0.0	119.5	-336.90	-36.06	55.71	-79.60	556.10	-
690.55												
						239.0	-285.96	-36.06	55.71	-79.60	7212.02	-
5561.32												
18	12	2.039e+04	1.028e+04	-0.09	0.0	0.0	-729.67	81.89	-93.84	-22.44	1.028e+04	
1912.43												
		1912.43	-1.215e+04	0.34	0.0	119.5	-678.73	81.89	-93.84	-22.44	-931.84	
1.115e+04												
						239.0	-627.80	81.89	-93.84	-22.44	-1.215e+04	
2.039e+04												
18	13	1332.02	1.188e+04	0.14	0.0	0.0	-682.06	-123.29	91.70	9.02	-1.004e+04	
1332.02												
		-2.703e+04	-1.004e+04	-0.45	0.0	119.5	-631.13	-123.29	91.70	9.02	918.77	-
1.285e+04												
						239.0	-580.19	-123.29	91.70	9.02	1.188e+04	-
2.703e+04												
18	14	-935.76	6342.02	0.08	0.0	0.0	-1023.90	-5.33	-57.84	66.18	6342.02	-
935.76												
		-1088.04	-7480.35	0.18	0.0	119.5	-972.96	-5.33	-57.84	66.18	-569.17	-
1011.90												
						239.0	-922.03	-5.33	-57.84	66.18	-7480.35	-
1088.04												
18	15	4236.37	7657.04	-0.03	0.0	0.0	-372.70	-38.46	59.20	-84.76	-6488.90	
4236.37												
		-6082.99	-6488.90	-0.31	0.0	119.5	-321.76	-38.46	59.20	-84.76	584.07	-
923.31												
						239.0	-270.82	-38.46	59.20	-84.76	7657.04	-
6082.99												
18	16	2.091e+04	1.067e+04	-0.09	0.0	0.0	-744.81	84.29	-97.33	-17.27	1.067e+04	
1856.27												
		1856.27	-1.259e+04	0.36	0.0	119.5	-693.87	84.29	-97.33	-17.27	-959.81	
1.138e+04												
						239.0	-642.93	84.29	-97.33	-17.27	-1.259e+04	
2.091e+04												
18	17	1388.18	1.232e+04	0.14	0.0	0.0	-666.93	-125.69	95.19	3.86	-1.043e+04	
1388.18												
		-2.756e+04	-1.043e+04	-0.47	0.0	119.5	-615.99	-125.69	95.19	3.86	946.74	-
1.308e+04												
						239.0	-565.05	-125.69	95.19	3.86	1.232e+04	-
2.756e+04												
18	18	-566.36	6731.09	0.08	0.0	0.0	-1039.04	-2.93	-61.33	71.34	6731.09	-
991.92												
		-991.92	-7925.37	0.20	0.0	119.5	-988.10	-2.93	-61.33	71.34	-597.14	-
779.14												
						239.0	-937.16	-2.93	-61.33	71.34	-7925.37	-
566.36												
18	19	3876.60	8016.09	-0.03	0.0	0.0	-382.42	-35.18	61.98	-81.62	-6794.12	
3876.60												
		-5762.32	-6794.12	-0.32	0.0	119.5	-331.48	-35.18	61.98	-81.62	610.99	-
942.86												
						239.0	-280.55	-35.18	61.98	-81.62	8016.09	-
5762.32												

18	20	2.018e+04	9588.70	-0.09	0.0	0.0	-724.26	82.77	-87.57	-24.46	9588.70	1608.81
		1608.81	-1.134e+04	0.32	0.0	119.5	-673.32	82.77	-87.57	-24.46	-876.95	1.090e+04
						239.0	-622.38	82.77	-87.57	-24.46	-1.134e+04	2.018e+04
18	21	1635.64	1.107e+04	0.14	0.0	0.0	-687.48	-124.17	85.43	11.04	-9346.51	1635.64
		-2.683e+04	-9346.51	-0.43	0.0	119.5	-636.54	-124.17	85.43	11.04	863.88	-1.260e+04
						239.0	-585.60	-124.17	85.43	11.04	1.107e+04	-2.683e+04
18	22	-632.14	7036.31	0.08	0.0	0.0	-1029.31	-6.21	-64.11	68.20	7036.31	-632.14
		-887.04	-8284.42	0.21	0.0	119.5	-978.38	-6.21	-64.11	68.20	-624.05	-759.59
						239.0	-927.44	-6.21	-64.11	68.20	-8284.42	-887.04
18	23	3932.76	8461.11	-0.03	0.0	0.0	-367.29	-37.58	65.47	-86.78	-7183.19	3932.76
		-6283.99	-7183.19	-0.33	0.0	119.5	-316.35	-37.58	65.47	-86.78	638.96	-1175.62
						239.0	-265.41	-37.58	65.47	-86.78	8461.11	-6283.99
18	24	2.071e+04	9977.77	-0.09	0.0	0.0	-739.39	85.17	-91.06	-19.30	9977.77	1552.65
		1552.65	-1.179e+04	0.33	0.0	119.5	-688.45	85.17	-91.06	-19.30	-904.92	1.113e+04
						239.0	-637.52	85.17	-91.06	-19.30	-1.179e+04	2.071e+04
18	25	1691.80	1.152e+04	0.14	0.0	0.0	-672.34	-126.57	88.92	5.88	-9735.58	1691.80
		-2.736e+04	-9735.58	-0.44	0.0	119.5	-621.40	-126.57	88.92	5.88	891.85	-1.283e+04
						239.0	-570.47	-126.57	88.92	5.88	1.152e+04	-2.736e+04
18	26	-365.36	7425.38	0.08	0.0	0.0	-1044.45	-3.81	-67.60	73.37	7425.38	-688.31
		-688.31	-8729.43	0.22	0.0	119.5	-993.51	-3.81	-67.60	73.37	-652.03	-526.83
						239.0	-942.57	-3.81	-67.60	73.37	-8729.43	-365.36
18	27	5829.09	3.143e+04	0.10	0.0	0.0	-92.01	-204.21	242.77	-115.27	-2.659e+04	5829.09
		-4.335e+04	-2.659e+04	-1.09	0.0	119.5	-41.07	-204.21	242.77	-115.27	2418.96	-1.876e+04
						239.0	9.87	-204.21	242.77	-115.27	3.143e+04	-4.335e+04
18	28	4.314e+04	2.802e+04	-0.10	0.0	0.0	-1231.46	188.98	-255.71	75.27	2.802e+04	-1730.18
		-1730.18	-3.310e+04	1.03	0.0	119.5	-1180.52	188.98	-255.71	75.27	-2540.82	2.071e+04
						239.0	-1129.59	188.98	-255.71	75.27	-3.310e+04	4.314e+04
18	29	4974.64	3.283e+04	0.15	0.0	0.0	-180.27	-230.38	253.57	-88.68	-2.777e+04	4974.64
		-4.979e+04	-2.777e+04	-1.14	0.0	119.5	-129.34	-230.38	253.57	-88.68	2527.76	-2.241e+04
						239.0	-78.40	-230.38	253.57	-88.68	3.283e+04	-4.979e+04
18	30	3.670e+04	2.683e+04	-0.06	0.0	0.0	-1319.73	162.81	-244.91	101.85	2.683e+04	-2584.64
		-2584.64	-3.170e+04	0.98	0.0	119.5	-1268.79	162.81	-244.91	101.85	-2432.02	1.706e+04
						239.0	-1217.85	162.81	-244.91	101.85	-3.170e+04	3.670e+04
18	31	5738.01	3.167e+04	0.10	0.0	0.0	-90.38	-203.95	244.65	-115.87	-2.680e+04	5738.01
		-4.341e+04	-2.680e+04	-1.10	0.0	119.5	-39.44	-203.95	244.65	-115.87	2435.42	-1.884e+04
						239.0	11.49	-203.95	244.65	-115.87	3.167e+04	-4.341e+04

18	32	4.308e+04	2.781e+04	-0.10	0.0	0.0	-1229.84	189.25	-253.83	74.66	2.781e+04	-1821.27
		-1821.27	-3.286e+04	1.02	0.0	119.5	-1178.90	189.25	-253.83	74.66	-2524.36	2.063e+04
						239.0	-1127.96	189.25	-253.83	74.66	-3.286e+04	4.308e+04
18	33	5065.72	3.259e+04	0.15	0.0	0.0	-181.90	-230.64	251.69	-88.07	-2.757e+04	5065.72
		-4.973e+04	-2.757e+04	-1.13	0.0	119.5	-130.96	-230.64	251.69	-88.07	2511.29	-2.233e+04
						239.0	-80.02	-230.64	251.69	-88.07	3.259e+04	-4.973e+04
18	34	3.676e+04	2.704e+04	-0.06	0.0	0.0	-1321.35	162.55	-246.79	102.46	2.704e+04	-2493.56
		-2493.56	-3.194e+04	0.99	0.0	119.5	-1270.42	162.55	-246.79	102.46	-2448.49	1.713e+04
						239.0	-1219.48	162.55	-246.79	102.46	-3.194e+04	3.676e+04
18	35	6016.29	3.291e+04	0.11	0.0	0.0	-41.56	-212.21	254.40	-132.48	-2.789e+04	6016.29
		-4.509e+04	-2.789e+04	-1.13	0.0	119.5	9.38	-212.21	254.40	-132.48	2512.20	-1.954e+04
						239.0	60.32	-212.21	254.40	-132.48	3.291e+04	-4.509e+04
18	36	4.488e+04	2.931e+04	-0.11	0.0	0.0	-1281.91	196.98	-267.34	92.48	2.931e+04	-1917.39
		-1917.39	-3.458e+04	1.07	0.0	119.5	-1230.97	196.98	-267.34	92.48	-2634.07	2.148e+04
						239.0	-1180.04	196.98	-267.34	92.48	-3.458e+04	4.488e+04
18	37	5161.84	3.431e+04	0.15	0.0	0.0	-129.82	-238.38	265.20	-105.89	-2.907e+04	5161.84
		-5.153e+04	-2.907e+04	-1.18	0.0	119.5	-78.89	-238.38	265.20	-105.89	2621.00	-2.318e+04
						239.0	-27.95	-238.38	265.20	-105.89	3.431e+04	-5.153e+04
18	38	3.844e+04	2.813e+04	-0.06	0.0	0.0	-1370.18	170.81	-256.54	119.06	2.813e+04	-2771.84
		-2771.84	-3.318e+04	1.02	0.0	119.5	-1319.24	170.81	-256.54	119.06	-2525.27	1.783e+04
						239.0	-1268.30	170.81	-256.54	119.06	-3.318e+04	3.844e+04
18	39	5925.21	3.315e+04	0.11	0.0	0.0	-39.93	-211.94	256.29	-133.08	-2.810e+04	5925.21
		-4.515e+04	-2.810e+04	-1.14	0.0	119.5	11.01	-211.94	256.29	-133.08	2528.67	-1.961e+04
						239.0	61.94	-211.94	256.29	-133.08	3.315e+04	-4.515e+04
18	40	4.482e+04	2.911e+04	-0.11	0.0	0.0	-1280.29	197.24	-265.46	91.87	2.911e+04	-2008.47
		-2008.47	-3.434e+04	1.06	0.0	119.5	-1229.35	197.24	-265.46	91.87	-2617.60	2.141e+04
						239.0	-1178.41	197.24	-265.46	91.87	-3.434e+04	4.482e+04
18	41	5252.92	3.407e+04	0.15	0.0	0.0	-131.45	-238.64	263.32	-105.29	-2.886e+04	5252.92
		-5.147e+04	-2.886e+04	-1.17	0.0	119.5	-80.51	-238.64	263.32	-105.29	2604.54	-2.311e+04
						239.0	-29.57	-238.64	263.32	-105.29	3.407e+04	-5.147e+04
18	42	3.850e+04	2.834e+04	-0.06	0.0	0.0	-1371.80	170.55	-258.42	119.67	2.834e+04	-2680.76
		-2680.76	-3.342e+04	1.03	0.0	119.5	-1320.87	170.55	-258.42	119.67	-2541.73	1.791e+04
						239.0	-1269.93	170.55	-258.42	119.67	-3.342e+04	3.850e+04
18	43	3486.82	5697.03	-0.02	0.0	0.0	-455.46	-33.20	44.01	-64.37	-4820.47	3486.82
		-5159.54	-4820.47	-0.24	0.0	119.5	-404.52	-33.20	44.01	-64.37	438.28	-836.36
						239.0	-353.58	-33.20	44.01	-64.37	5697.03	-5159.54

18	44	1.541e+04	8163.20	-0.06	0.0	0.0	-726.12	60.29	-74.51	-19.07	8163.20	
1691.26												
		1691.26	-9646.59	0.26	0.0	119.5	-675.18	60.29	-74.51	-19.07	-741.70	
8548.35												
						239.0	-624.24	60.29	-74.51	-19.07	-9646.59	
1.541e+04												
18	45	1553.20	9378.27	0.11	0.0	0.0	-685.62	-101.69	72.37	5.65	-7921.00	
1553.20												
		-2.205e+04	-7921.00	-0.37	0.0	119.5	-634.68	-101.69	72.37	5.65	728.63	-
1.025e+04												
						239.0	-583.74	-101.69	72.37	5.65	9378.27	-
2.205e+04												
18	46	-242.37	5062.66	0.07	0.0	0.0	-956.28	-8.19	-46.15	50.95	5062.66	-
242.37												
		-1489.82	-5965.36	0.13	0.0	119.5	-905.34	-8.19	-46.15	50.95	-451.35	-
866.09												
						239.0	-854.40	-8.19	-46.15	50.95	-5965.36	-
1489.82												
18	47	3530.22	6049.73	-0.01	0.0	0.0	-443.45	-35.11	46.78	-68.46	-5128.81	
3530.22												
		-5573.03	-5128.81	-0.25	0.0	119.5	-392.52	-35.11	46.78	-68.46	460.46	-
1021.40												
						239.0	-341.58	-35.11	46.78	-68.46	6049.73	-
5573.03												
18	48	1.582e+04	8471.54	-0.06	0.0	0.0	-738.12	62.19	-77.28	-14.97	8471.54	
1647.85												
		1647.85	-9999.30	0.27	0.0	119.5	-687.18	62.19	-77.28	-14.97	-763.88	
8733.39												
						239.0	-636.24	62.19	-77.28	-14.97	-9999.30	
1.582e+04												
18	49	1596.60	9730.97	0.12	0.0	0.0	-673.62	-103.59	75.14	1.56	-8229.34	
1596.60												
		-2.247e+04	-8229.34	-0.38	0.0	119.5	-622.68	-103.59	75.14	1.56	750.81	-
1.044e+04												
						239.0	-571.74	-103.59	75.14	1.56	9730.97	-
2.247e+04												
18	50	-285.77	5371.00	0.07	0.0	0.0	-968.28	-6.29	-48.91	55.04	5371.00	-
285.77												
		-1076.33	-6318.06	0.14	0.0	119.5	-917.34	-6.29	-48.91	55.04	-473.53	-
681.05												
						239.0	-866.41	-6.29	-48.91	55.04	-6318.06	-
1076.33												
18	51	3273.00	6338.86	-0.02	0.0	0.0	-451.26	-32.54	49.01	-65.95	-5374.17	
3273.00												
		-5338.15	-5374.17	-0.26	0.0	119.5	-400.32	-32.54	49.01	-65.95	482.34	-
1032.58												
						239.0	-349.38	-32.54	49.01	-65.95	6338.86	-
5338.15												
18	52	1.523e+04	7609.49	-0.06	0.0	0.0	-721.92	60.95	-69.51	-20.65	7609.49	
1477.44												
		1477.44	-9004.76	0.24	0.0	119.5	-670.98	60.95	-69.51	-20.65	-697.64	
8352.13												
						239.0	-620.04	60.95	-69.51	-20.65	-9004.76	
1.523e+04												
18	53	1767.01	8736.44	0.12	0.0	0.0	-689.82	-102.35	67.37	7.23	-7367.30	
1767.01												
		-2.188e+04	-7367.30	-0.35	0.0	119.5	-638.88	-102.35	67.37	7.23	684.57	-
1.005e+04												
						239.0	-587.94	-102.35	67.37	7.23	8736.44	-
2.188e+04												
18	54	-28.55	5616.37	0.07	0.0	0.0	-960.48	-8.85	-51.15	52.53	5616.37	-28.55
		-1311.20	-6607.19	0.15	0.0	119.5	-909.54	-8.85	-51.15	52.53	-495.41	-
669.88												
						239.0	-858.60	-8.85	-51.15	52.53	-6607.19	-
1311.20												
18	55	3316.41	6691.57	-0.02	0.0	0.0	-439.26	-34.44	51.78	-70.04	-5682.51	
3316.41												
		-5751.65	-5682.51	-0.27	0.0	119.5	-388.32	-34.44	51.78	-70.04	504.53	-
1217.62												
						239.0	-337.38	-34.44	51.78	-70.04	6691.57	-
5751.65												
18	56	1.564e+04	7917.83	-0.06	0.0	0.0	-733.92	62.85	-72.27	-16.55	7917.83	

1434.04												
		1434.04	-9357.47	0.25	0.0	119.5	-682.98	62.85	-72.27	-16.55	-719.82	
8537.18												
						239.0	-632.05	62.85	-72.27	-16.55	-9357.47	
1.564e+04												
18	57	1810.42	9089.14	0.12	0.0	0.0	-677.81	-104.25	70.14	3.14	-7675.64	
1810.42												
		-2.229e+04	-7675.64	-0.36	0.0	119.5	-626.88	-104.25	70.14	3.14	706.75	-
1.024e+04												
						239.0	-575.94	-104.25	70.14	3.14	9089.14	-
2.229e+04												
18	58	-71.96	5924.71	0.07	0.0	0.0	-972.48	-6.95	-53.92	56.62	5924.71	-71.96
		-897.71	-6959.89	0.16	0.0	119.5	-921.54	-6.95	-53.92	56.62	-517.59	-
484.83												
						239.0	-870.60	-6.95	-53.92	56.62	-6959.89	-
897.71												
18	59	4904.88	2.489e+04	0.09	0.0	0.0	-220.24	-166.25	192.22	-92.71	-2.105e+04	
4904.88												
		-3.507e+04	-2.105e+04	-0.88	0.0	119.5	-169.31	-166.25	192.22	-92.71	1916.55	-
1.508e+04												
						239.0	-118.37	-166.25	192.22	-92.71	2.489e+04	-
3.507e+04												
18	60	3.348e+04	2.223e+04	-0.08	0.0	0.0	-1122.44	145.40	-202.86	58.29	2.223e+04	-
1080.34												
		-1080.34	-2.626e+04	0.81	0.0	119.5	-1071.50	145.40	-202.86	58.29	-2016.72	
1.620e+04												
						239.0	-1020.57	145.40	-202.86	58.29	-2.626e+04	
3.348e+04												
18	61	4324.79	2.599e+04	0.13	0.0	0.0	-289.29	-186.79	200.72	-71.70	-2.198e+04	
4324.79												
		-4.013e+04	-2.198e+04	-0.92	0.0	119.5	-238.35	-186.79	200.72	-71.70	2003.65	-
1.790e+04												
						239.0	-187.42	-186.79	200.72	-71.70	2.599e+04	-
4.013e+04												
18	62	2.842e+04	2.130e+04	-0.04	0.0	0.0	-1191.49	124.85	-194.35	79.29	2.130e+04	-
1660.43												
		-1660.43	-2.515e+04	0.77	0.0	119.5	-1140.55	124.85	-194.35	79.29	-1929.61	
1.338e+04												
						239.0	-1089.62	124.85	-194.35	79.29	-2.515e+04	
2.842e+04												
18	63	4840.73	2.508e+04	0.09	0.0	0.0	-218.98	-166.05	193.72	-93.18	-2.122e+04	
4840.73												
		-3.512e+04	-2.122e+04	-0.88	0.0	119.5	-168.05	-166.05	193.72	-93.18	1929.77	-
1.514e+04												
						239.0	-117.11	-166.05	193.72	-93.18	2.508e+04	-
3.512e+04												
18	64	3.343e+04	2.206e+04	-0.08	0.0	0.0	-1121.18	145.59	-201.36	57.81	2.206e+04	-
1144.48												
		-1144.48	-2.607e+04	0.80	0.0	119.5	-1070.25	145.59	-201.36	57.81	-2003.50	
1.614e+04												
						239.0	-1019.31	145.59	-201.36	57.81	-2.607e+04	
3.343e+04												
18	65	4388.94	2.580e+04	0.13	0.0	0.0	-290.55	-186.99	199.22	-71.23	-2.182e+04	
4388.94												
		-4.008e+04	-2.182e+04	-0.91	0.0	119.5	-239.61	-186.99	199.22	-71.23	1990.43	-
1.785e+04												
						239.0	-188.68	-186.99	199.22	-71.23	2.580e+04	-
4.008e+04												
18	66	2.847e+04	2.146e+04	-0.04	0.0	0.0	-1192.75	124.65	-195.85	79.77	2.146e+04	-
1596.28												
		-1596.28	-2.535e+04	0.77	0.0	119.5	-1141.81	124.65	-195.85	79.77	-1942.83	
1.344e+04												
						239.0	-1090.88	124.65	-195.85	79.77	-2.535e+04	
2.847e+04												
18	67	5049.55	2.606e+04	0.09	0.0	0.0	-180.23	-172.59	201.43	-106.35	-2.208e+04	
5049.55												
		-3.644e+04	-2.208e+04	-0.91	0.0	119.5	-129.30	-172.59	201.43	-106.35	1990.49	-
1.570e+04												
						239.0	-78.36	-172.59	201.43	-106.35	2.606e+04	-
3.644e+04												
18	68	3.486e+04	2.325e+04	-0.08	0.0	0.0	-1162.45	151.74	-212.08	71.93	2.325e+04	-
1225.02												

		-1225.02	-2.743e+04	0.84	0.0	119.5	-1111.51	151.74	-212.08	71.93	-2090.66	1.682e+04
						239.0	-1060.58	151.74	-212.08	71.93	-2.743e+04	3.486e+04
18	69	4469.47	2.717e+04	0.13	0.0	0.0	-249.28	-193.13	209.94	-85.35	-2.301e+04	4469.47
		-4.151e+04	-2.301e+04	-0.95	0.0	119.5	-198.35	-193.13	209.94	-85.35	2077.59	-1.852e+04
						239.0	-147.41	-193.13	209.94	-85.35	2.717e+04	-4.151e+04
18	70	2.979e+04	2.232e+04	-0.04	0.0	0.0	-1231.50	131.19	-203.57	92.94	2.232e+04	-1805.10
		-1805.10	-2.633e+04	0.80	0.0	119.5	-1180.56	131.19	-203.57	92.94	-2003.55	1.399e+04
						239.0	-1129.63	131.19	-203.57	92.94	-2.633e+04	2.979e+04
18	71	4985.41	2.625e+04	0.09	0.0	0.0	-178.98	-172.39	202.94	-106.83	-2.225e+04	4985.41
		-3.650e+04	-2.225e+04	-0.92	0.0	119.5	-128.04	-172.39	202.94	-106.83	2003.71	-1.576e+04
						239.0	-77.10	-172.39	202.94	-106.83	2.625e+04	-3.650e+04
18	72	3.481e+04	2.309e+04	-0.08	0.0	0.0	-1161.19	151.93	-210.58	71.46	2.309e+04	-1289.16
		-1289.16	-2.724e+04	0.83	0.0	119.5	-1110.25	151.93	-210.58	71.46	-2077.44	1.676e+04
						239.0	-1059.32	151.93	-210.58	71.46	-2.724e+04	3.481e+04
18	73	4533.61	2.697e+04	0.13	0.0	0.0	-250.54	-193.33	208.44	-84.87	-2.285e+04	4533.61
		-4.146e+04	-2.285e+04	-0.94	0.0	119.5	-199.61	-193.33	208.44	-84.87	2064.37	-1.846e+04
						239.0	-148.67	-193.33	208.44	-84.87	2.697e+04	-4.146e+04
18	74	2.985e+04	2.249e+04	-0.04	0.0	0.0	-1232.76	130.99	-205.07	93.41	2.249e+04	-1740.96
		-1740.96	-2.652e+04	0.81	0.0	119.5	-1181.82	130.99	-205.07	93.41	-2016.77	1.405e+04
						239.0	-1130.88	130.99	-205.07	93.41	-2.652e+04	2.985e+04
18	75	3168.80	4683.47	-8.02e-03	0.0	0.0	-498.87	-30.97	36.18	-54.39	-3961.54	3168.80
		-4824.81	-3961.54	-0.21	0.0	119.5	-447.93	-30.97	36.18	-54.39	360.97	-828.01
						239.0	-396.99	-30.97	36.18	-54.39	4683.47	-4824.81
18	76	1.217e+04	6768.32	-0.05	0.0	0.0	-722.55	46.29	-61.77	-16.95	6768.32	1684.85
		1684.85	-7996.64	0.21	0.0	119.5	-671.61	46.29	-61.77	-16.95	-614.16	6927.67
						239.0	-620.68	46.29	-61.77	-16.95	-7996.64	1.217e+04
18	77	1559.61	7728.31	0.10	0.0	0.0	-689.18	-87.69	59.64	3.53	-6526.12	1559.61
		-1.882e+04	-6526.12	-0.32	0.0	119.5	-638.25	-87.69	59.64	3.53	601.10	-8630.12
						239.0	-587.31	-87.69	59.64	3.53	7728.31	-1.882e+04
18	78	75.66	4203.73	0.06	0.0	0.0	-912.87	-10.42	-38.31	40.97	4203.73	75.66
		-1824.54	-4951.80	0.10	0.0	119.5	-861.93	-10.42	-38.31	40.97	-374.03	-874.44
						239.0	-810.99	-10.42	-38.31	40.97	-4951.80	-1824.54
18	79	3204.69	4974.95	-7.77e-03	0.0	0.0	-488.95	-32.54	38.46	-57.77	-4216.35	3204.69
		-5166.52	-4216.35	-0.22	0.0	119.5	-438.01	-32.54	38.46	-57.77	379.30	-980.91
						239.0	-387.07	-32.54	38.46	-57.77	4974.95	-5166.52
18	80	1.251e+04	7023.13	-0.05	0.0	0.0	-732.47	47.86	-64.06	-13.57	7023.13	1648.95
		1648.95	-8288.12	0.21	0.0	119.5	-681.53	47.86	-64.06	-13.57	-632.49	

7080.57												
						239.0	-630.60	47.86	-64.06	-13.57	-8288.12	
1.251e+04												
18	81	1595.50	8019.79	0.10	0.0	0.0	-679.26	-89.26	61.92	0.15	-6780.94	
1595.50												
		-1.916e+04	-6780.94	-0.32	0.0	119.5	-628.33	-89.26	61.92	0.15	619.43	-
8783.02												
						239.0	-577.39	-89.26	61.92	0.15	8019.79	-
1.916e+04												
18	82	39.76	4458.55	0.06	0.0	0.0	-922.79	-8.85	-40.60	44.35	4458.55	39.76
		-1482.84	-5243.28	0.11	0.0	119.5	-871.85	-8.85	-40.60	44.35	-392.37	-
721.54												
						239.0	-820.91	-8.85	-40.60	44.35	-5243.28	-
1482.84												
18	83	2990.64	5213.40	-8.83e-03	0.0	0.0	-495.39	-30.43	40.31	-55.69	-4418.76	
2990.64												
		-4973.24	-4418.76	-0.23	0.0	119.5	-444.46	-30.43	40.31	-55.69	397.32	-
991.30												
						239.0	-393.52	-30.43	40.31	-55.69	5213.40	-
4973.24												
18	84	1.202e+04	6311.09	-0.05	0.0	0.0	-719.08	46.84	-57.64	-18.25	6311.09	
1506.68												
		1506.68	-7466.71	0.19	0.0	119.5	-668.14	46.84	-57.64	-18.25	-577.81	
6764.37												
						239.0	-617.21	46.84	-57.64	-18.25	-7466.71	
1.202e+04												
18	85	1737.77	7198.39	0.10	0.0	0.0	-692.65	-88.23	55.51	4.84	-6068.90	
1737.77												
		-1.867e+04	-6068.90	-0.30	0.0	119.5	-641.72	-88.23	55.51	4.84	564.75	-
8466.83												
						239.0	-590.78	-88.23	55.51	4.84	7198.39	-
1.867e+04												
18	86	253.82	4660.96	0.06	0.0	0.0	-916.34	-10.97	-42.44	42.27	4660.96	253.82
		-1676.12	-5481.72	0.12	0.0	119.5	-865.40	-10.97	-42.44	42.27	-410.38	-
711.15												
						239.0	-814.47	-10.97	-42.44	42.27	-5481.72	-
1676.12												
18	87	3026.53	5504.88	-8.58e-03	0.0	0.0	-485.48	-32.00	42.59	-59.07	-4673.58	
3026.53												
		-5314.94	-4673.58	-0.24	0.0	119.5	-434.54	-32.00	42.59	-59.07	415.65	-
1144.21												
						239.0	-383.60	-32.00	42.59	-59.07	5504.88	-
5314.94												
18	88	1.236e+04	6565.91	-0.05	0.0	0.0	-729.00	48.41	-59.93	-14.87	6565.91	
1470.79												
		1470.79	-7758.19	0.20	0.0	119.5	-678.06	48.41	-59.93	-14.87	-596.14	
6917.28												
						239.0	-627.12	48.41	-59.93	-14.87	-7758.19	
1.236e+04												
18	89	1773.67	7489.87	0.10	0.0	0.0	-682.74	-89.81	57.79	1.45	-6323.71	
1773.67												
		-1.901e+04	-6323.71	-0.31	0.0	119.5	-631.80	-89.81	57.79	1.45	583.08	-
8619.73												
						239.0	-580.86	-89.81	57.79	1.45	7489.87	-
1.901e+04												
18	90	217.92	4915.77	0.06	0.0	0.0	-926.26	-9.40	-44.73	45.66	4915.77	217.92
		-1334.41	-5773.20	0.13	0.0	119.5	-875.32	-9.40	-44.73	45.66	-428.71	-
558.25												
						239.0	-824.38	-9.40	-44.73	45.66	-5773.20	-
1334.41												
18	91	4336.86	2.054e+04	0.08	0.0	0.0	-304.51	-140.96	158.66	-77.79	-1.738e+04	
4336.86												
		-2.955e+04	-1.738e+04	-0.73	0.0	119.5	-253.57	-140.96	158.66	-77.79	1582.66	-
1.261e+04												
						239.0	-202.63	-140.96	158.66	-77.79	2.054e+04	-
2.955e+04												
18	92	2.710e+04	1.839e+04	-0.06	0.0	0.0	-1050.13	116.58	-167.83	47.00	1.839e+04	-
609.65												
		-609.65	-2.172e+04	0.66	0.0	119.5	-999.19	116.58	-167.83	47.00	-1667.77	
1.325e+04												
						239.0	-948.25	116.58	-167.83	47.00	-2.172e+04	
2.710e+04												

18	93	3854.10	2.146e+04	0.11	0.0	0.0	-361.60	-157.98	165.70	-60.41	-1.815e+04	3854.10
		-3.375e+04	-1.815e+04	-0.77	0.0	119.5	-310.67	-157.98	165.70	-60.41	1654.70	-1.495e+04
						239.0	-259.73	-157.98	165.70	-60.41	2.146e+04	-3.375e+04
18	94	2.290e+04	1.762e+04	-0.03	0.0	0.0	-1107.23	99.57	-160.80	64.37	1.762e+04	-1092.40
		-1092.40	-2.081e+04	0.62	0.0	119.5	-1056.29	99.57	-160.80	64.37	-1595.73	1.090e+04
						239.0	-1005.35	99.57	-160.80	64.37	-2.081e+04	2.290e+04
18	95	4283.41	2.070e+04	0.08	0.0	0.0	-303.47	-140.80	159.90	-78.18	-1.751e+04	4283.41
		-2.960e+04	-1.751e+04	-0.74	0.0	119.5	-252.53	-140.80	159.90	-78.18	1593.57	-1.266e+04
						239.0	-201.59	-140.80	159.90	-78.18	2.070e+04	-2.960e+04
18	96	2.706e+04	1.825e+04	-0.06	0.0	0.0	-1049.09	116.75	-166.60	46.61	1.825e+04	-663.10
		-663.10	-2.157e+04	0.65	0.0	119.5	-998.15	116.75	-166.60	46.61	-1656.86	1.320e+04
						239.0	-947.21	116.75	-166.60	46.61	-2.157e+04	2.706e+04
18	97	3907.55	2.130e+04	0.11	0.0	0.0	-362.65	-158.14	164.46	-60.02	-1.801e+04	3907.55
		-3.370e+04	-1.801e+04	-0.76	0.0	119.5	-311.71	-158.14	164.46	-60.02	1643.80	-1.490e+04
						239.0	-260.77	-158.14	164.46	-60.02	2.130e+04	-3.370e+04
18	98	2.295e+04	1.776e+04	-0.03	0.0	0.0	-1108.27	99.40	-162.04	64.77	1.776e+04	-1038.96
		-1038.96	-2.097e+04	0.63	0.0	119.5	-1057.33	99.40	-162.04	64.77	-1606.63	1.095e+04
						239.0	-1006.39	99.40	-162.04	64.77	-2.097e+04	2.295e+04
18	99	4456.52	2.151e+04	0.08	0.0	0.0	-271.45	-146.20	166.28	-89.06	-1.823e+04	4456.52
		-3.069e+04	-1.823e+04	-0.76	0.0	119.5	-220.51	-146.20	166.28	-89.06	1643.77	-1.312e+04
						239.0	-169.57	-146.20	166.28	-89.06	2.151e+04	-3.069e+04
18	100	2.824e+04	1.924e+04	-0.06	0.0	0.0	-1083.19	121.82	-175.45	58.27	1.924e+04	-729.31
		-729.31	-2.270e+04	0.68	0.0	119.5	-1032.26	121.82	-175.45	58.27	-1728.87	1.375e+04
						239.0	-981.32	121.82	-175.45	58.27	-2.270e+04	2.824e+04
18	101	3973.76	2.243e+04	0.11	0.0	0.0	-328.54	-163.22	173.32	-71.69	-1.900e+04	3973.76
		-3.489e+04	-1.900e+04	-0.79	0.0	119.5	-277.60	-163.22	173.32	-71.69	1715.80	-1.546e+04
						239.0	-226.67	-163.22	173.32	-71.69	2.243e+04	-3.489e+04
18	102	2.404e+04	1.847e+04	-0.03	0.0	0.0	-1140.29	104.81	-168.42	75.65	1.847e+04	-1212.06
		-1212.06	-2.178e+04	0.65	0.0	119.5	-1089.35	104.81	-168.42	75.65	-1656.83	1.141e+04
						239.0	-1038.41	104.81	-168.42	75.65	-2.178e+04	2.404e+04
18	103	4403.07	2.167e+04	0.08	0.0	0.0	-270.41	-146.04	167.52	-89.46	-1.836e+04	4403.07
		-3.073e+04	-1.836e+04	-0.77	0.0	119.5	-219.47	-146.04	167.52	-89.46	1654.67	-1.317e+04
						239.0	-168.53	-146.04	167.52	-89.46	2.167e+04	-3.073e+04
18	104	2.819e+04	1.910e+04	-0.06	0.0	0.0	-1082.15	121.99	-174.21	57.88	1.910e+04	-782.75
		-782.75	-2.254e+04	0.68	0.0	119.5	-1031.21	121.99	-174.21	57.88	-1717.97	1.371e+04
						239.0	-980.28	121.99	-174.21	57.88	-2.254e+04	2.819e+04

18	105	4027.21	2.227e+04	0.11	0.0	0.0	-329.58	-163.38	172.08	-71.30	-1.886e+04
4027.21											
		-3.484e+04	-1.886e+04	-0.79	0.0	119.5	-278.65	-163.38	172.08	-71.30	1704.90
-1.541e+04											
						239.0	-227.71	-163.38	172.08	-71.30	2.227e+04
-3.484e+04											
18	106	2.409e+04	1.861e+04	-0.03	0.0	0.0	-1141.33	104.64	-169.65	76.04	1.861e+04
-1158.62											
		-1158.62	-2.194e+04	0.66	0.0	119.5	-1090.39	104.64	-169.65	76.04	-1667.74
-1.146e+04											
						239.0	-1039.45	104.64	-169.65	76.04	-2.194e+04
-2.409e+04											
21	1	4293.61	518.30	-7.33e-04	0.0	0.0	-28.31	-98.32	-28.37	0.58	518.30
4293.61											
		2486.13	-3.20	-1.84e-03	0.0	9.2	-25.68	-98.32	-28.37	0.58	257.55
-3389.87											
						18.4	-23.06	-98.32	-28.37	0.58	-3.20
-2486.13											
21	2	2.646e+04	2307.80	-3.64e-03	0.0	0.0	-206.19	-568.93	-124.94	13.83	2307.80
2.646e+04											
		1.600e+04	10.84	-0.01	0.0	9.2	-203.56	-568.93	-124.94	13.83	1159.32
-2.123e+04											
						18.4	-200.94	-568.93	-124.94	13.83	10.84
-1.600e+04											
21	3	2884.49	364.92	-5.09e-04	0.0	0.0	-18.42	-66.75	-20.00	0.19	364.92
2884.49											
		1657.40	-2.73	-1.25e-03	0.0	9.2	-16.40	-66.75	-20.00	0.19	181.10
-2270.95											
						18.4	-14.38	-66.75	-20.00	0.19	-2.73
-1657.40											
21	4	2.505e+04	2154.42	-3.41e-03	0.0	0.0	-196.30	-537.36	-116.57	13.45	2154.42
2.505e+04											
		1.517e+04	11.31	-9.81e-03	0.0	9.2	-194.28	-537.36	-116.57	13.45	1082.87
-2.011e+04											
						18.4	-192.26	-537.36	-116.57	13.45	11.31
-1.517e+04											
21	5	3120.91	384.01	-5.40e-04	0.0	0.0	-20.32	-71.77	-21.03	0.33	384.01
3120.91											
		1801.53	-2.58	-1.35e-03	0.0	9.2	-18.30	-71.77	-21.03	0.33	190.72
-2461.22											
						18.4	-16.28	-71.77	-21.03	0.33	-2.58
-1801.53											
21	6	1.790e+04	1577.01	-2.48e-03	0.0	0.0	-138.90	-385.51	-85.41	9.17	1577.01
1.790e+04											
		1.081e+04	6.78	-7.05e-03	0.0	9.2	-136.88	-385.51	-85.41	9.17	791.90
-1.435e+04											
						18.4	-134.86	-385.51	-85.41	9.17	6.78
-1.081e+04											
21	7	3120.91	384.01	-5.40e-04	0.0	0.0	-20.32	-71.77	-21.03	0.33	384.01
3120.91											
		1801.53	-2.58	-1.35e-03	0.0	9.2	-18.30	-71.77	-21.03	0.33	190.72
-2461.22											
						18.4	-16.28	-71.77	-21.03	0.33	-2.58
-1801.53											
21	8	1.346e+04	1219.11	-1.89e-03	0.0	0.0	-103.33	-291.39	-66.10	6.52	1219.11
1.346e+04											
		8107.39	3.97	-5.34e-03	0.0	9.2	-101.31	-291.39	-66.10	6.52	611.54
-1.079e+04											
						18.4	-99.29	-291.39	-66.10	6.52	3.97
-8107.39											
21	9	3120.91	384.01	-5.40e-04	0.0	0.0	-20.32	-71.77	-21.03	0.33	384.01
3120.91											
		1801.53	-2.58	-1.35e-03	0.0	9.2	-18.30	-71.77	-21.03	0.33	190.72
-2461.22											
						18.4	-16.28	-71.77	-21.03	0.33	-2.58
-1801.53											
21	10	1.199e+04	1099.81	-1.70e-03	0.0	0.0	-91.47	-260.01	-59.66	5.64	1099.81
1.199e+04											
		7206.56	3.04	-4.77e-03	0.0	9.2	-89.45	-260.01	-59.66	5.64	551.42
-9596.67											
						18.4	-87.43	-260.01	-59.66	5.64	3.04
-7206.56											

21	11	2.146e+04	6392.40	0.06	0.0	0.0	297.16	-811.82	-352.70	-21.36	6392.40	
2.146e+04												
		6442.12	-105.06	1.44e-03	0.0	9.2	299.18	-811.82	-352.70	-21.36	3143.67	
1.395e+04												
						18.4	301.20	-811.82	-352.70	-21.36	-105.06	
6442.12												
21	12	2.397e+04	2020.11	0.07	0.0	0.0	426.91	-985.44	-111.13	-8.26	2020.11	
2.397e+04												
		5421.72	-35.49	5.70e-03	0.0	9.2	428.93	-985.44	-111.13	-8.26	992.31	
1.469e+04												
						18.4	430.95	-985.44	-111.13	-8.26	-35.49	
5421.72												
21	13	8991.40	179.51	-0.07	0.0	0.0	-609.85	465.42	-8.19	19.53	179.51	6.96
		6.96	41.57	-0.02	0.0	9.2	-607.83	465.42	-8.19	19.53	110.54	
4499.18												
						18.4	-605.81	465.42	-8.19	19.53	41.57	
8991.40												
21	14	7970.99	111.13	-0.07	0.0	0.0	-480.10	291.80	233.38	32.63	-4192.78	
2510.04												
		2510.04	-4192.78	-0.01	0.0	9.2	-478.08	291.80	233.38	32.63	-2040.82	
5240.51												
						18.4	-476.06	291.80	233.38	32.63	111.13	
7970.99												
21	15	2.136e+04	6275.48	0.07	0.0	0.0	297.36	-809.89	-346.29	-21.47	6275.48	
2.136e+04												
		6396.85	-104.23	1.49e-03	0.0	9.2	299.39	-809.89	-346.29	-21.47	3085.62	
1.388e+04												
						18.4	301.41	-809.89	-346.29	-21.47	-104.23	
6396.85												
21	16	2.407e+04	2137.03	0.07	0.0	0.0	426.71	-987.38	-117.53	-8.15	2137.03	
2.407e+04												
		5466.99	-36.31	5.65e-03	0.0	9.2	428.73	-987.38	-117.53	-8.15	1050.36	
1.477e+04												
						18.4	430.75	-987.38	-117.53	-8.15	-36.31	
5466.99												
21	17	8946.12	62.59	-0.07	0.0	0.0	-609.65	467.35	-1.78	19.42	62.59	-97.30
		-97.30	42.39	-0.02	0.0	9.2	-607.63	467.35	-1.78	19.42	52.49	
4424.41												
						18.4	-605.61	467.35	-1.78	19.42	42.39	
8946.12												
21	18	8016.26	110.31	-0.07	0.0	0.0	-480.30	289.86	226.98	32.75	-4075.86	
2614.30												
		2614.30	-4075.86	-0.01	0.0	9.2	-478.28	289.86	226.98	32.75	-1982.78	
5315.28												
						18.4	-476.26	289.86	226.98	32.75	110.31	
8016.26												
21	19	2.161e+04	6568.41	4.39e-03	0.0	0.0	305.51	-823.16	-362.24	-21.04	6568.41	
2.161e+04												
		6422.03	-104.75	1.84e-03	0.0	9.2	307.53	-823.16	-362.24	-21.04	3231.83	
1.401e+04												
						18.4	309.55	-823.16	-362.24	-21.04	-104.75	
6422.03												
21	20	2.411e+04	2196.12	0.01	0.0	0.0	435.26	-996.78	-120.67	-7.93	2196.12	
2.411e+04												
		5401.62	-35.18	6.10e-03	0.0	9.2	437.28	-996.78	-120.67	-7.93	1080.47	
1.476e+04												
						18.4	439.30	-996.78	-120.67	-7.93	-35.18	
5401.62												
21	21	9011.49	41.26	-0.01	0.0	0.0	-618.20	476.75	1.36	19.21	3.51	-
135.61												
		-135.61	3.51	-0.02	0.0	9.2	-616.18	476.75	1.36	19.21	22.38	
4437.94												
						18.4	-614.16	476.75	1.36	19.21	41.26	
9011.49												
21	22	7991.09	110.82	-7.79e-03	0.0	0.0	-488.45	303.14	242.93	32.31	-4368.79	
2367.48												
		2367.48	-4368.79	-0.01	0.0	9.2	-486.43	303.14	242.93	32.31	-2128.98	
5179.28												
						18.4	-484.41	303.14	242.93	32.31	110.82	
7991.09												
21	23	2.150e+04	6451.49	4.95e-03	0.0	0.0	305.71	-821.23	-355.83	-21.15	6451.49	
2.150e+04												

		6376.76	-103.92	1.89e-03	0.0	9.2	307.74	-821.23	-355.83	-21.15	3173.78
1.394e+04											
						18.4	309.76	-821.23	-355.83	-21.15	-103.92
6376.76											
21	24	2.421e+04	2313.04	9.97e-03	0.0	0.0	435.06	-998.72	-127.08	-7.82	2313.04
2.421e+04											
		5446.89	-36.00	6.05e-03	0.0	9.2	437.08	-998.72	-127.08	-7.82	1138.52
1.483e+04											
						18.4	439.10	-998.72	-127.08	-7.82	-36.00
5446.89											
21	25	8966.22	42.08	-0.01	0.0	0.0	-618.00	478.69	7.77	19.09	-113.41
239.87											
		-239.87	-113.41	-0.02	0.0	9.2	-615.98	478.69	7.77	19.09	-35.67
4363.18											
						18.4	-613.96	478.69	7.77	19.09	42.08
8966.22											
21	26	8036.36	110.00	-8.35e-03	0.0	0.0	-488.65	301.20	236.52	32.42	-4251.87
2471.74											
		2471.74	-4251.87	-0.01	0.0	9.2	-486.63	301.20	236.52	32.42	-2070.93
5254.05											
						18.4	-484.61	301.20	236.52	32.42	110.00
8036.36											
21	27	1.103e+04	9318.90	8.95e-03	0.0	0.0	-171.66	-162.24	-513.96	-22.33	9318.90
1.103e+04											
		8524.84	-134.90	-9.36e-03	0.0	9.2	-169.64	-162.24	-513.96	-22.33	4592.00
9779.15											
						18.4	-167.62	-162.24	-513.96	-22.33	-134.90
8524.84											
21	28	1.938e+04	96.99	0.03	0.0	0.0	260.83	-740.96	291.29	21.34	-5255.41
1.938e+04											
		5123.49	-5255.41	4.83e-03	0.0	9.2	262.85	-740.96	291.29	21.34	-2579.21
1.225e+04											
						18.4	264.87	-740.96	291.29	21.34	96.99
5123.49											
21	29	9289.63	7455.03	-0.03	0.0	0.0	-443.77	220.93	-410.60	-10.06	7455.03
4596.49											
		4596.49	-90.92	-0.01	0.0	9.2	-441.75	220.93	-410.60	-10.06	3682.06
6943.06											
						18.4	-439.73	220.93	-410.60	-10.06	-90.92
9289.63											
21	30	1.294e+04	140.98	-0.01	0.0	0.0	-11.28	-357.78	394.64	33.60	-7119.28
1.294e+04											
		5888.27	-7119.28	5.63e-04	0.0	9.2	-9.26	-357.78	394.64	33.60	-3489.15
9414.18											
						18.4	-7.23	-357.78	394.64	33.60	140.98
5888.27											
21	31	1.108e+04	9371.70	-9.17e-03	0.0	0.0	-169.16	-165.64	-516.82	-22.23	9371.70
1.108e+04											
		8518.82	-134.81	-9.24e-03	0.0	9.2	-167.14	-165.64	-516.82	-22.23	4618.45
9797.52											
						18.4	-165.12	-165.64	-516.82	-22.23	-134.81
8518.82											
21	32	1.942e+04	97.09	0.01	0.0	0.0	263.33	-744.36	288.43	21.43	-5202.61
1.942e+04											
		5117.46	-5202.61	4.95e-03	0.0	9.2	265.35	-744.36	288.43	21.43	-2552.76
1.227e+04											
						18.4	267.37	-744.36	288.43	21.43	97.09
5117.46											
21	33	9295.66	7402.23	-0.01	0.0	0.0	-446.27	224.33	-407.74	-10.16	7402.23
4553.72											
		4553.72	-91.01	-0.01	0.0	9.2	-444.25	224.33	-407.74	-10.16	3655.61
6924.69											
						18.4	-442.23	224.33	-407.74	-10.16	-91.01
9295.66											
21	34	1.290e+04	140.89	5.77e-03	0.0	0.0	-13.78	-354.38	397.51	33.51	-7172.08
1.290e+04											
		5894.30	-7172.08	5.23e-04	0.0	9.2	-11.76	-354.38	397.51	33.51	-3515.60
9395.81											
						18.4	-9.74	-354.38	397.51	33.51	140.89
5894.30											
21	35	1.069e+04	8929.17	0.01	0.0	0.0	-170.99	-155.78	-492.59	-22.71	8929.17
1.069e+04											

		8373.94	-132.16	-9.20e-03	0.0	9.2	-168.97	-155.78	-492.59	-22.71	4398.50
9529.93											
						18.4	-166.95	-155.78	-492.59	-22.71	-132.16
8373.94											
21	36	1.972e+04	94.25	0.03	0.0	0.0	260.16	-747.42	269.93	21.71	-4865.68
1.972e+04											
		5274.39	-4865.68	4.67e-03	0.0	9.2	262.18	-747.42	269.93	21.71	-2385.71
1.250e+04											
						18.4	264.20	-747.42	269.93	21.71	94.25
5274.39											
21	37	9138.73	7065.30	-0.03	0.0	0.0	-443.10	227.39	-389.24	-10.44	7065.30
4248.95											
		4248.95	-88.17	-0.01	0.0	9.2	-441.08	227.39	-389.24	-10.44	3488.56
6693.84											
						18.4	-439.06	227.39	-389.24	-10.44	-88.17
9138.73											
21	38	1.329e+04	138.23	-0.01	0.0	0.0	-11.95	-364.25	373.28	33.98	-6729.54
1.329e+04											
		6039.17	-6729.54	4.69e-04	0.0	9.2	-9.93	-364.25	373.28	33.98	-3295.66
9663.40											
						18.4	-7.91	-364.25	373.28	33.98	138.23
6039.17											
21	39	1.073e+04	8981.97	-7.33e-03	0.0	0.0	-168.49	-159.18	-495.46	-22.61	8981.97
1.073e+04											
		8367.91	-132.06	-9.08e-03	0.0	9.2	-166.47	-159.18	-495.46	-22.61	4424.95
9548.30											
						18.4	-164.45	-159.18	-495.46	-22.61	-132.06
8367.91											
21	40	1.977e+04	94.34	9.42e-03	0.0	0.0	262.66	-750.82	267.06	21.81	-4812.87
1.977e+04											
		5268.36	-4812.87	4.79e-03	0.0	9.2	264.68	-750.82	267.06	21.81	-2359.27
1.252e+04											
						18.4	266.70	-750.82	267.06	21.81	94.34
5268.36											
21	41	9144.75	7012.50	-0.01	0.0	0.0	-445.60	230.80	-386.38	-10.54	7012.50
4206.18											
		4206.18	-88.26	-0.01	0.0	9.2	-443.58	230.80	-386.38	-10.54	3462.12
6675.47											
						18.4	-441.56	230.80	-386.38	-10.54	-88.26
9144.75											
21	42	1.324e+04	138.14	3.92e-03	0.0	0.0	-14.45	-360.84	376.14	33.88	-6782.35
1.324e+04											
		6045.20	-6782.35	-4.51e-04	0.0	9.2	-12.43	-360.84	376.14	33.88	-3322.10
9645.03											
						18.4	-10.41	-360.84	376.14	33.88	138.14
6045.20											
21	43	1.949e+04	5234.93	0.05	0.0	0.0	216.23	-697.26	-288.59	-15.45	5234.93
1.949e+04											
		6595.93	-81.29	-4.33e-04	0.0	9.2	218.25	-697.26	-288.59	-15.45	2576.82
1.304e+04											
						18.4	220.27	-697.26	-288.59	-15.45	-81.29
6595.93											
21	44	2.144e+04	1776.74	0.06	0.0	0.0	317.46	-832.39	-97.52	-5.08	1776.74
2.144e+04											
		5798.62	-26.25	3.52e-03	0.0	9.2	319.48	-832.39	-97.52	-5.08	875.25
1.362e+04											
						18.4	321.50	-832.39	-97.52	-5.08	-26.25
5798.62											
21	45	8614.49	422.88	-0.06	0.0	0.0	-500.40	312.37	-21.80	16.35	422.88
2538.13											
		2538.13	32.32	-0.01	0.0	9.2	-498.38	312.37	-21.80	16.35	227.60
5576.31											
						18.4	-496.36	312.37	-21.80	16.35	32.32
8614.49											
21	46	7817.18	87.37	-0.05	0.0	0.0	-399.17	177.24	169.27	26.72	-3035.31
4486.21											
		4486.21	-3035.31	-9.61e-03	0.0	9.2	-397.15	177.24	169.27	26.72	-1473.97
6151.70											
						18.4	-395.13	177.24	169.27	26.72	87.37
7817.18											
21	47	1.941e+04	5142.12	0.05	0.0	0.0	216.29	-695.78	-283.50	-15.53	5142.12
1.941e+04											

		6560.04	-80.62	-4.07e-04	0.0	9.2	218.31	-695.78	-283.50	-15.53	2530.75
1.298e+04											
						18.4	220.33	-695.78	-283.50	-15.53	-80.62
6560.04											
21	48	2.152e+04	1869.55	0.06	0.0	0.0	317.40	-833.87	-102.61	-5.00	1869.55
2.152e+04											
		5834.51	-26.92	3.48e-03	0.0	9.2	319.42	-833.87	-102.61	-5.00	921.32
1.368e+04											
						18.4	321.44	-833.87	-102.61	-5.00	-26.92
5834.51											
21	49	8578.60	330.07	-0.06	0.0	0.0	-500.34	313.85	-16.71	16.27	330.07
2456.24											
		2456.24	32.99	-0.01	0.0	9.2	-498.32	313.85	-16.71	16.27	181.53
5517.42											
						18.4	-496.30	313.85	-16.71	16.27	32.99
8578.60											
21	50	7853.07	86.70	-0.05	0.0	0.0	-399.23	175.76	164.18	26.80	-2942.50
4568.10											
		4568.10	-2942.50	-9.66e-03	0.0	9.2	-397.21	175.76	164.18	26.80	-1427.90
6210.59											
						18.4	-395.19	175.76	164.18	26.80	86.70
7853.07											
21	51	1.959e+04	5359.29	3.15e-03	0.0	0.0	222.46	-705.70	-295.31	-15.12	5359.29
1.959e+04											
		6579.63	-80.71	3.82e-04	0.0	9.2	224.48	-705.70	-295.31	-15.12	2639.29
1.308e+04											
						18.4	226.50	-705.70	-295.31	-15.12	-80.71
6579.63											
21	52	2.154e+04	1901.10	8.07e-03	0.0	0.0	323.69	-840.82	-104.24	-4.76	1901.10
2.154e+04											
		5782.32	-25.66	3.82e-03	0.0	9.2	325.71	-840.82	-104.24	-4.76	937.72
1.366e+04											
						18.4	327.73	-840.82	-104.24	-4.76	-25.66
5782.32											
21	53	8630.79	298.53	-0.01	0.0	0.0	-506.63	320.80	-15.08	16.03	298.53
2436.68											
		2436.68	31.74	-0.01	0.0	9.2	-504.61	320.80	-15.08	16.03	165.13
5533.73											
						18.4	-502.59	320.80	-15.08	16.03	31.74
8630.79											
21	54	7833.48	86.78	-6.55e-03	0.0	0.0	-405.40	185.67	175.99	26.39	-3159.66
4384.76											
		4384.76	-3159.66	-9.92e-03	0.0	9.2	-403.38	185.67	175.99	26.39	-1536.44
6109.12											
						18.4	-401.36	185.67	175.99	26.39	86.78
7833.48											
21	55	1.951e+04	5266.48	3.59e-03	0.0	0.0	222.52	-704.21	-290.22	-15.20	5266.48
1.951e+04											
		6543.74	-80.03	4.27e-04	0.0	9.2	224.54	-704.21	-290.22	-15.20	2593.22
1.303e+04											
						18.4	226.56	-704.21	-290.22	-15.20	-80.03
6543.74											
21	56	2.162e+04	1993.91	7.63e-03	0.0	0.0	323.63	-842.31	-109.33	-4.67	1993.91
2.162e+04											
		5818.21	-26.33	3.78e-03	0.0	9.2	325.65	-842.31	-109.33	-4.67	983.79
1.372e+04											
						18.4	327.67	-842.31	-109.33	-4.67	-26.33
5818.21											
21	57	8594.90	205.71	-0.01	0.0	0.0	-506.57	322.28	-9.99	15.95	205.71
2354.79											
		2354.79	32.41	-0.01	0.0	9.2	-504.55	322.28	-9.99	15.95	119.06
5474.84											
						18.4	-502.53	322.28	-9.99	15.95	32.41
8594.90											
21	58	7869.37	86.11	-7.00e-03	0.0	0.0	-405.46	184.19	170.91	26.48	-3066.85
4466.65											
		4466.65	-3066.85	-9.96e-03	0.0	9.2	-403.44	184.19	170.91	26.48	-1490.37
6168.01											
						18.4	-401.42	184.19	170.91	26.48	86.11
7869.37											
21	59	1.128e+04	7585.27	6.55e-03	0.0	0.0	-152.70	-186.25	-418.13	-16.41	7585.27
1.128e+04											

		8232.61	-105.75	-8.53e-03	0.0	9.2	-150.68	-186.25	-418.13	-16.41	3739.76
9757.49											
						18.4	-148.66	-186.25	-418.13	-16.41	-105.75
8232.61											
21	60	1.778e+04	77.74	0.02	0.0	0.0	184.75	-636.67	218.78	18.14	-3942.03
1.778e+04											
		5574.93	-3942.03	2.94e-03	0.0	9.2	186.77	-636.67	218.78	18.14	-1932.14
1.168e+04											
						18.4	188.79	-636.67	218.78	18.14	77.74
5574.93											
21	61	8838.18	6141.65	-0.03	0.0	0.0	-367.69	116.64	-338.09	-6.87	6141.65
6197.60											
		6197.60	-71.67	-0.01	0.0	9.2	-365.67	116.64	-338.09	-6.87	3034.99
7517.89											
						18.4	-363.64	116.64	-338.09	-6.87	-71.67
8838.18											
21	62	1.269e+04	111.83	-9.95e-03	0.0	0.0	-30.24	-333.78	298.81	27.68	-5385.65
1.269e+04											
		6180.50	-5385.65	-1.00e-03	0.0	9.2	-28.22	-333.78	298.81	27.68	-2636.91
9435.84											
						18.4	-26.20	-333.78	298.81	27.68	111.83
6180.50											
21	63	1.131e+04	7622.57	-7.72e-03	0.0	0.0	-150.83	-188.78	-420.14	-16.31	7622.57
1.131e+04											
		8227.72	-105.57	-8.44e-03	0.0	9.2	-148.81	-188.78	-420.14	-16.31	3758.50
9770.26											
						18.4	-146.79	-188.78	-420.14	-16.31	-105.57
8227.72											
21	64	1.781e+04	77.92	8.70e-03	0.0	0.0	186.61	-639.20	216.76	18.24	-3904.72
1.781e+04											
		5570.04	-3904.72	3.03e-03	0.0	9.2	188.63	-639.20	216.76	18.24	-1913.40
1.169e+04											
						18.4	190.66	-639.20	216.76	18.24	77.92
5570.04											
21	65	8843.07	6104.35	-0.01	0.0	0.0	-369.55	119.17	-336.07	-6.97	6104.35
6167.16											
		6167.16	-71.84	-0.01	0.0	9.2	-367.53	119.17	-336.07	-6.97	3016.25
7505.12											
						18.4	-365.51	119.17	-336.07	-6.97	-71.84
8843.07											
21	66	1.266e+04	111.65	4.31e-03	0.0	0.0	-32.11	-331.25	300.83	27.59	-5422.95
1.266e+04											
		6185.39	-5422.95	-1.09e-03	0.0	9.2	-30.09	-331.25	300.83	27.59	-2655.65
9423.07											
						18.4	-28.07	-331.25	300.83	27.59	111.65
6185.39											
21	67	1.101e+04	7275.90	8.04e-03	0.0	0.0	-152.50	-181.30	-401.16	-16.69	7275.90
1.101e+04											
		8113.00	-103.51	-8.38e-03	0.0	9.2	-150.47	-181.30	-401.16	-16.69	3586.19
9561.19											
						18.4	-148.45	-181.30	-401.16	-16.69	-103.51
8113.00											
21	68	1.805e+04	75.50	0.02	0.0	0.0	184.55	-641.61	201.81	18.42	-3632.66
1.805e+04											
		5694.55	-3632.66	2.79e-03	0.0	9.2	186.57	-641.61	201.81	18.42	-1778.58
1.187e+04											
						18.4	188.59	-641.61	201.81	18.42	75.50
5694.55											
21	69	8718.56	5832.28	-0.02	0.0	0.0	-367.48	121.59	-321.13	-7.15	5832.28
5924.62											
		5924.62	-69.43	-0.01	0.0	9.2	-365.46	121.59	-321.13	-7.15	2881.43
7321.59											
						18.4	-363.44	121.59	-321.13	-7.15	-69.43
8718.56											
21	70	1.296e+04	109.59	-0.01	0.0	0.0	-30.44	-338.72	281.85	27.96	-5076.28
1.296e+04											
		6300.12	-5076.28	-1.15e-03	0.0	9.2	-28.42	-338.72	281.85	27.96	-2483.34
9632.14											
						18.4	-26.40	-338.72	281.85	27.96	109.59
6300.12											
21	71	1.104e+04	7313.20	-6.23e-03	0.0	0.0	-150.63	-183.83	-403.18	-16.59	7313.20
1.104e+04											

		8108.11	-103.33	-8.29e-03	0.0	9.2	-148.61	-183.83	-403.18	-16.59	3604.94
9573.96											
						18.4	-146.59	-183.83	-403.18	-16.59	-103.33
8108.11											
21	72	1.808e+04	75.68	7.22e-03	0.0	0.0	186.41	-644.14	199.80	18.52	-3595.35
1.808e+04											
		5689.66	-3595.35	2.88e-03	0.0	9.2	188.43	-644.14	199.80	18.52	-1759.84
1.188e+04											
						18.4	190.45	-644.14	199.80	18.52	75.68
5689.66											
21	73	8723.45	5794.98	-0.01	0.0	0.0	-369.35	124.12	-319.11	-7.24	5794.98
5894.18											
		5894.18	-69.60	-0.01	0.0	9.2	-367.33	124.12	-319.11	-7.24	2862.69
7308.82											
						18.4	-365.31	124.12	-319.11	-7.24	-69.60
8723.45											
21	74	1.293e+04	109.41	2.83e-03	0.0	0.0	-32.31	-336.19	283.87	27.86	-5113.58
1.293e+04											
		6305.00	-5113.58	-1.24e-03	0.0	9.2	-30.29	-336.19	283.87	27.86	-2502.09
9619.37											
						18.4	-28.27	-336.19	283.87	27.86	109.41
6305.00											
21	75	1.819e+04	4526.24	0.04	0.0	0.0	163.01	-621.67	-249.36	-11.83	4526.24
1.819e+04											
		6702.09	-66.86	-8.07e-04	0.0	9.2	165.03	-621.67	-249.36	-11.83	2229.69
1.245e+04											
						18.4	167.05	-621.67	-249.36	-11.83	-66.86
6702.09											
21	76	1.980e+04	1667.87	0.05	0.0	0.0	246.77	-733.46	-91.43	-3.26	1667.87
1.980e+04											
		6042.61	-21.36	2.09e-03	0.0	9.2	248.79	-733.46	-91.43	-3.26	823.26
1.292e+04											
						18.4	250.81	-733.46	-91.43	-3.26	-21.36
6042.61											
21	77	8370.50	531.75	-0.05	0.0	0.0	-429.71	213.44	-27.89	14.53	531.75
4169.26											
		4169.26	27.43	-0.01	0.0	9.2	-427.69	213.44	-27.89	14.53	279.59
6269.88											
						18.4	-425.67	213.44	-27.89	14.53	27.43
8370.50											
21	78	7711.02	72.94	-0.05	0.0	0.0	-345.95	101.64	130.04	23.10	-2326.62
5781.25											
		5781.25	-2326.62	-8.79e-03	0.0	9.2	-343.93	101.64	130.04	23.10	-1126.84
6746.14											
						18.4	-341.91	101.64	130.04	23.10	72.94
7711.02											
21	79	1.812e+04	4449.57	0.04	0.0	0.0	163.06	-620.44	-245.15	-11.90	4449.57
1.812e+04											
		6672.42	-66.30	-7.76e-04	0.0	9.2	165.08	-620.44	-245.15	-11.90	2191.63
1.240e+04											
						18.4	167.10	-620.44	-245.15	-11.90	-66.30
6672.42											
21	80	1.987e+04	1744.55	0.05	0.0	0.0	246.72	-734.69	-95.63	-3.19	1744.55
1.987e+04											
		6072.28	-21.91	2.06e-03	0.0	9.2	248.74	-734.69	-95.63	-3.19	861.32
1.297e+04											
						18.4	250.76	-734.69	-95.63	-3.19	-21.91
6072.28											
21	81	8340.83	455.07	-0.05	0.0	0.0	-429.66	214.67	-23.68	14.46	455.07
4101.53											
		4101.53	27.99	-0.01	0.0	9.2	-427.64	214.67	-23.68	14.46	241.53
6221.18											
						18.4	-425.62	214.67	-23.68	14.46	27.99
8340.83											
21	82	7740.69	72.38	-0.05	0.0	0.0	-346.00	100.42	125.84	23.17	-2249.94
5848.98											
		5848.98	-2249.94	-8.82e-03	0.0	9.2	-343.98	100.42	125.84	23.17	-1088.78
6794.84											
						18.4	-341.96	100.42	125.84	23.17	72.38
7740.69											
21	83	1.828e+04	4629.59	2.30e-03	0.0	0.0	168.17	-628.65	-254.94	-11.56	4629.59
1.828e+04											

		6688.70	-66.38	-6.56e-04	0.0	9.2	170.19	-628.65	-254.94	-11.56	2281.61
1.248e+04											
						18.4	172.21	-628.65	-254.94	-11.56	-66.38
6688.70											
21	84	1.989e+04	1771.22	6.37e-03	0.0	0.0	251.94	-740.45	-97.01	-2.99	1771.22
1.989e+04											
		6029.21	-20.88	2.34e-03	0.0	9.2	253.96	-740.45	-97.01	-2.99	875.17
1.296e+04											
						18.4	255.98	-740.45	-97.01	-2.99	-20.88
6029.21											
21	85	8383.90	428.40	-9.77e-03	0.0	0.0	-434.88	220.42	-22.30	14.26	428.40
4085.33											
		4085.33	26.96	-0.01	0.0	9.2	-432.86	220.42	-22.30	14.26	227.68
6234.62											
						18.4	-430.83	220.42	-22.30	14.26	26.96
8383.90											
21	86	7724.42	72.46	-5.70e-03	0.0	0.0	-351.11	108.63	135.63	22.83	-2429.97
5697.32											
		5697.32	-2429.97	-9.04e-03	0.0	9.2	-349.09	108.63	135.63	22.83	-1178.76
6710.87											
						18.4	-347.07	108.63	135.63	22.83	72.46
7724.42											
21	87	1.821e+04	4552.91	2.67e-03	0.0	0.0	168.23	-627.42	-250.74	-11.63	4552.91
1.821e+04											
		6659.03	-65.83	-6.28e-04	0.0	9.2	170.25	-627.42	-250.74	-11.63	2243.54
1.243e+04											
						18.4	172.27	-627.42	-250.74	-11.63	-65.83
6659.03											
21	88	1.996e+04	1847.90	6.00e-03	0.0	0.0	251.88	-741.67	-101.22	-2.92	1847.90
1.996e+04											
		6058.88	-21.43	2.31e-03	0.0	9.2	253.90	-741.67	-101.22	-2.92	913.23
1.301e+04											
						18.4	255.92	-741.67	-101.22	-2.92	-21.43
6058.88											
21	89	8354.23	351.72	-9.40e-03	0.0	0.0	-434.82	221.65	-18.10	14.20	351.72
4017.60											
		4017.60	27.51	-0.01	0.0	9.2	-432.80	221.65	-18.10	14.20	189.62
6185.92											
						18.4	-430.78	221.65	-18.10	14.20	27.51
8354.23											
21	90	7754.09	71.90	-6.07e-03	0.0	0.0	-351.17	107.40	131.42	22.90	-2353.29
5765.05											
		5765.05	-2353.29	-9.07e-03	0.0	9.2	-349.15	107.40	131.42	22.90	-1140.69
6759.57											
						18.4	-347.13	107.40	131.42	22.90	71.90
7754.09											
21	91	1.140e+04	6462.93	5.14e-03	0.0	0.0	-142.17	-198.95	-356.09	-12.60	6462.93
1.140e+04											
		8055.44	-86.94	-7.87e-03	0.0	9.2	-140.15	-198.95	-356.09	-12.60	3188.00
9729.51											
						18.4	-138.13	-198.95	-356.09	-12.60	-86.94
8055.44											
21	92	1.678e+04	64.73	0.02	0.0	0.0	137.04	-571.60	170.34	15.96	-3064.96
1.678e+04											
		5857.15	-3064.96	1.60e-03	0.0	9.2	139.06	-571.60	170.34	15.96	-1500.12
1.132e+04											
						18.4	141.09	-571.60	170.34	15.96	64.73
5857.15											
21	93	8555.96	5264.58	-0.02	0.0	0.0	-319.98	51.58	-289.65	-4.69	5264.58
7196.67											
		7196.67	-58.65	-0.01	0.0	9.2	-317.96	51.58	-289.65	-4.69	2602.96
7876.31											
						18.4	-315.94	51.58	-289.65	-4.69	-58.65
8555.96											
21	94	1.257e+04	93.02	-8.55e-03	0.0	0.0	-40.77	-321.07	236.78	23.87	-4263.31
1.257e+04											
		6357.67	-4263.31	-1.67e-03	0.0	9.2	-38.75	-321.07	236.78	23.87	-2085.15
9463.82											
						18.4	-36.73	-321.07	236.78	23.87	93.02
6357.67											
21	95	1.143e+04	6493.94	-6.67e-03	0.0	0.0	-140.62	-201.05	-357.77	-12.52	6493.94
1.143e+04											

		8051.42	-86.80	-7.79e-03	0.0	9.2	-138.60	-201.05	-357.77	-12.52	3203.57
9740.09											
						18.4	-136.58	-201.05	-357.77	-12.52	-86.80
8051.42											
21	96	1.680e+04	64.87	6.89e-03	0.0	0.0	138.59	-573.70	168.66	16.04	-3033.96
1.680e+04											
		5853.13	-3033.96	1.67e-03	0.0	9.2	140.61	-573.70	168.66	16.04	-1484.54
1.133e+04											
						18.4	142.63	-573.70	168.66	16.04	64.87
5853.13											
21	97	8559.98	5233.58	-0.01	0.0	0.0	-321.53	53.67	-287.98	-4.77	5233.58
7171.49											
		7171.49	-58.80	-0.01	0.0	9.2	-319.51	53.67	-287.98	-4.77	2587.39
7865.73											
						18.4	-317.49	53.67	-287.98	-4.77	-58.80
8559.98											
21	98	1.254e+04	92.87	3.27e-03	0.0	0.0	-42.32	-318.98	238.45	23.79	-4294.31
1.254e+04											
		6361.69	-4294.31	-1.74e-03	0.0	9.2	-40.30	-318.98	238.45	23.79	-2100.72
9453.24											
						18.4	-38.28	-318.98	238.45	23.79	92.87
6361.69											
21	99	1.118e+04	6207.34	6.37e-03	0.0	0.0	-141.98	-194.86	-342.08	-12.83	6207.34
1.118e+04											
		7956.54	-85.09	-7.74e-03	0.0	9.2	-139.96	-194.86	-342.08	-12.83	3061.12
9567.18											
						18.4	-137.94	-194.86	-342.08	-12.83	-85.09
7956.54											
21	100	1.700e+04	62.88	0.02	0.0	0.0	136.86	-575.70	156.32	16.19	-2809.37
1.700e+04											
		5956.05	-2809.37	1.47e-03	0.0	9.2	138.88	-575.70	156.32	16.19	-1373.24
1.148e+04											
						18.4	140.90	-575.70	156.32	16.19	62.88
5956.05											
21	101	8457.06	5008.99	-0.02	0.0	0.0	-319.80	55.67	-275.64	-4.92	5008.99
6970.91											
		6970.91	-56.81	-0.01	0.0	9.2	-317.78	55.67	-275.64	-4.92	2476.09
7713.98											
						18.4	-315.76	55.67	-275.64	-4.92	-56.81
8457.06											
21	102	1.280e+04	91.17	-9.77e-03	0.0	0.0	-40.96	-325.17	222.77	24.10	-4007.72
1.280e+04											
		6456.57	-4007.72	-1.79e-03	0.0	9.2	-38.93	-325.17	222.77	24.10	-1958.27
9626.15											
						18.4	-36.91	-325.17	222.77	24.10	91.17
6456.57											
21	103	1.120e+04	6238.35	-5.44e-03	0.0	0.0	-140.44	-196.95	-343.76	-12.75	6238.35
1.120e+04											
		7952.52	-84.95	-7.67e-03	0.0	9.2	-138.42	-196.95	-343.76	-12.75	3076.70
9577.76											
						18.4	-136.39	-196.95	-343.76	-12.75	-84.95
7952.52											
21	104	1.703e+04	63.03	5.66e-03	0.0	0.0	138.41	-577.79	154.65	16.27	-2778.37
1.703e+04											
		5952.03	-2778.37	1.55e-03	0.0	9.2	140.43	-577.79	154.65	16.27	-1357.67
1.149e+04											
						18.4	142.45	-577.79	154.65	16.27	63.03
5952.03											
21	105	8461.08	4977.99	-9.06e-03	0.0	0.0	-321.35	57.77	-273.96	-5.00	4977.99
6945.72											
		6945.72	-56.95	-0.01	0.0	9.2	-319.33	57.77	-273.96	-5.00	2460.52
7703.40											
						18.4	-317.31	57.77	-273.96	-5.00	-56.95
8461.08											
21	106	1.277e+04	91.03	2.04e-03	0.0	0.0	-42.50	-323.07	224.44	24.02	-4038.73
1.277e+04											
		6460.59	-4038.73	-1.86e-03	0.0	9.2	-40.48	-323.07	224.44	24.02	-1973.85
9615.57											
						18.4	-38.46	-323.07	224.44	24.02	91.03
6460.59											
22	1	-81.85	543.45	6.11e-03	0.0	0.0	-202.87	24.08	-6.12	-2.48	543.45	-
3180.24											

		-3180.24	-244.01	-0.01	0.0	64.3	-167.21	24.08	-6.12	-2.48	149.72	-
1631.05												
						128.7	-131.55	24.08	-6.12	-2.48	-244.01	-81.85
22	2	-2032.84	4496.17	0.03	0.0	0.0	-1037.11	60.14	-52.86	-10.93	4496.17	-
9771.91												
		-9771.91	-2305.95	-0.07	0.0	64.3	-1001.45	60.14	-52.86	-10.93	1095.11	-
5902.37												
						128.7	-965.79	60.14	-52.86	-10.93	-2305.95	-
2032.84												
22	3	-26.15	343.44	4.19e-03	0.0	0.0	-140.31	17.84	-3.82	-1.75	343.44	-
2321.94												
		-2321.94	-148.78	-9.05e-03	0.0	64.3	-112.88	17.84	-3.82	-1.75	97.33	-
1174.04												
						128.7	-85.45	17.84	-3.82	-1.75	-148.78	-26.15
22	4	-1977.13	4296.16	0.03	0.0	0.0	-974.55	53.90	-50.56	-10.20	4296.16	-
8913.61												
		-8913.61	-2210.73	-0.07	0.0	64.3	-947.12	53.90	-50.56	-10.20	1042.72	-
5445.37												
						128.7	-919.69	53.90	-50.56	-10.20	-2210.73	-
1977.13												
22	5	-46.96	385.60	4.48e-03	0.0	0.0	-149.21	18.22	-4.32	-1.84	385.60	-
2392.25												
		-2392.25	-170.78	-9.69e-03	0.0	64.3	-121.78	18.22	-4.32	-1.84	107.41	-
1219.60												
						128.7	-94.35	18.22	-4.32	-1.84	-170.78	-46.96
22	6	-1347.61	3020.75	0.02	0.0	0.0	-705.37	42.26	-35.48	-7.47	3020.75	-
6786.70												
		-6786.70	-1545.41	-0.05	0.0	64.3	-677.94	42.26	-35.48	-7.47	737.67	-
4067.15												
						128.7	-650.51	42.26	-35.48	-7.47	-1545.41	-
1347.61												
22	7	-46.96	385.60	4.48e-03	0.0	0.0	-149.21	18.22	-4.32	-1.84	385.60	-
2392.25												
		-2392.25	-170.78	-9.69e-03	0.0	64.3	-121.78	18.22	-4.32	-1.84	107.41	-
1219.60												
						128.7	-94.35	18.22	-4.32	-1.84	-170.78	-46.96
22	8	-957.42	2230.21	0.02	0.0	0.0	-538.52	35.05	-26.13	-5.78	2230.21	-
5468.36												
		-5468.36	-1133.02	-0.04	0.0	64.3	-511.09	35.05	-26.13	-5.78	548.59	-
3212.89												
						128.7	-483.66	35.05	-26.13	-5.78	-1133.02	-
957.42												
22	9	-46.96	385.60	4.48e-03	0.0	0.0	-149.21	18.22	-4.32	-1.84	385.60	-
2392.25												
		-2392.25	-170.78	-9.69e-03	0.0	64.3	-121.78	18.22	-4.32	-1.84	107.41	-
1219.60												
						128.7	-94.35	18.22	-4.32	-1.84	-170.78	-46.96
22	10	-827.35	1966.69	0.02	0.0	0.0	-482.90	32.65	-23.02	-5.22	1966.69	-
5028.92												
		-5028.92	-995.56	-0.03	0.0	64.3	-455.47	32.65	-23.02	-5.22	485.57	-
2928.13												
						128.7	-428.05	32.65	-23.02	-5.22	-995.56	-
827.35												
22	11	-1.039e+04	1.054e+04	0.07	0.0	0.0	-474.26	404.74	-137.19	11.46	1.054e+04	-
3.104e+04												
		-3.104e+04	-7114.75	0.06	0.0	64.3	-446.84	404.74	-137.19	11.46	1711.36	-
2.072e+04												
						128.7	-419.41	404.74	-137.19	11.46	-7114.75	-
1.039e+04												
22	12	-1.347e+04	1.331e+04	0.06	0.0	0.0	-1022.62	170.83	-173.30	28.98	1.331e+04	-
1.347e+04												
		-2.297e+04	-8990.74	0.14	0.0	64.3	-995.20	170.83	-173.30	28.98	2161.79	-
1.822e+04												
						128.7	-967.77	170.83	-173.30	28.98	-8990.74	-
2.297e+04												
22	13	2.132e+04	6999.63	-0.03	0.0	0.0	56.82	-105.53	127.26	-39.42	-9380.94	
3411.26												
		3411.26	-9380.94	-0.21	0.0	64.3	84.25	-105.53	127.26	-39.42	-1190.65	
1.237e+04												
						128.7	111.68	-105.53	127.26	-39.42	6999.63	
2.132e+04												
22	14	2.098e+04	5123.63	-0.04	0.0	0.0	-491.54	-339.44	91.15	-21.90	-6604.08	

2.098e+04												
		8736.11	-6604.08	-0.13	0.0	64.3	-464.11	-339.44	91.15	-21.90	-740.23	
1.486e+04												
						128.7	-436.68	-339.44	91.15	-21.90	5123.63	
8736.11												
22	15	-1.108e+04	1.033e+04	0.07	0.0	0.0	-485.58	393.22	-134.44	12.08	1.033e+04	-
3.026e+04												
		-3.026e+04	-6972.84	0.06	0.0	64.3	-458.16	393.22	-134.44	12.08	1677.24	-
2.067e+04												
						128.7	-430.73	393.22	-134.44	12.08	-6972.84	-
1.108e+04												
22	16	-1.425e+04	1.352e+04	0.06	0.0	0.0	-1011.30	182.35	-176.04	28.37	1.352e+04	-
1.425e+04												
		-2.228e+04	-9132.65	0.14	0.0	64.3	-983.88	182.35	-176.04	28.37	2195.91	-
1.827e+04												
						128.7	-956.45	182.35	-176.04	28.37	-9132.65	-
2.228e+04												
22	17	2.063e+04	7141.53	-0.03	0.0	0.0	45.50	-117.05	130.00	-38.81	-9591.09	
4194.83												
		4194.83	-9591.09	-0.21	0.0	64.3	72.93	-117.05	130.00	-38.81	-1224.78	
1.241e+04												
						128.7	100.36	-117.05	130.00	-38.81	7141.53	
2.063e+04												
22	18	2.020e+04	4981.72	-0.04	0.0	0.0	-480.22	-327.93	88.41	-22.52	-6393.93	
2.020e+04												
		9427.53	-6393.93	-0.13	0.0	64.3	-452.79	-327.93	88.41	-22.52	-706.10	
1.481e+04												
						128.7	-425.36	-327.93	88.41	-22.52	4981.72	
9427.53												
22	19	-1.110e+04	1.067e+04	0.03	0.0	0.0	-488.27	413.27	-138.91	11.53	1.067e+04	-
3.139e+04												
		-3.139e+04	-7208.61	0.02	0.0	64.3	-460.85	413.27	-138.91	11.53	1728.20	-
2.124e+04												
						128.7	-433.42	413.27	-138.91	11.53	-7208.61	-
1.110e+04												
22	20	-1.382e+04	1.344e+04	0.02	0.0	0.0	-1036.63	179.36	-175.02	29.04	1.344e+04	-
1.382e+04												
		-2.368e+04	-9084.61	0.10	0.0	64.3	-1009.21	179.36	-175.02	29.04	2178.63	-
1.875e+04												
						128.7	-981.78	179.36	-175.02	29.04	-9084.61	-
2.368e+04												
22	21	2.202e+04	7093.49	9.74e-03	0.0	0.0	70.83	-114.06	128.98	-39.48	-9508.49	
3762.94												
		3762.94	-9508.49	-0.17	0.0	64.3	98.26	-114.06	128.98	-39.48	-1207.50	
1.289e+04												
						128.7	125.69	-114.06	128.98	-39.48	7093.49	
2.202e+04												
22	22	2.133e+04	5217.50	5.19e-03	0.0	0.0	-477.53	-347.97	92.87	-21.97	-6731.63	
2.133e+04												
		9440.38	-6731.63	-0.09	0.0	64.3	-450.10	-347.97	92.87	-21.97	-757.07	
1.539e+04												
						128.7	-422.67	-347.97	92.87	-21.97	5217.50	
9440.38												
22	23	-1.179e+04	1.045e+04	0.03	0.0	0.0	-499.59	401.75	-136.16	12.14	1.045e+04	-
3.061e+04												
		-3.061e+04	-7066.70	0.03	0.0	64.3	-472.17	401.75	-136.16	12.14	1694.08	-
2.120e+04												
						128.7	-444.74	401.75	-136.16	12.14	-7066.70	-
1.179e+04												
22	24	-1.460e+04	1.365e+04	0.02	0.0	0.0	-1025.31	190.87	-177.76	28.43	1.365e+04	-
1.460e+04												
		-2.299e+04	-9226.51	0.10	0.0	64.3	-997.89	190.87	-177.76	28.43	2212.75	-
1.880e+04												
						128.7	-970.46	190.87	-177.76	28.43	-9226.51	-
2.299e+04												
22	25	2.133e+04	7235.40	0.01	0.0	0.0	59.51	-125.58	131.72	-38.87	-9718.64	
4546.51												
		4546.51	-9718.64	-0.17	0.0	64.3	86.94	-125.58	131.72	-38.87	-1241.62	
1.294e+04												
						128.7	114.37	-125.58	131.72	-38.87	7235.40	
2.133e+04												
22	26	2.055e+04	5075.59	-4.59e-03	0.0	0.0	-466.21	-336.46	90.13	-22.58	-6521.48	

2.055e+04												
		1.013e+04	-6521.48	-0.09	0.0	64.3	-438.78	-336.46	90.13	-22.58	-722.95	
1.534e+04												
						128.7	-411.35	-336.46	90.13	-22.58	5075.59	
1.013e+04												
22	27	1.539e+04	326.36	0.04	0.0	0.0	351.37	499.04	-2.50	-26.78	326.36	-
3.948e+04												
		-3.948e+04	13.95	-0.12	0.0	64.3	378.79	499.04	-2.50	-26.78	170.15	-
1.205e+04												
						128.7	406.22	499.04	-2.50	-26.78	13.95	
1.539e+04												
22	28	1.909e+04	9582.54	0.02	0.0	0.0	-1476.50	-280.66	-122.87	31.61	9582.54	
1.909e+04												
		-2.656e+04	-6239.37	0.14	0.0	64.3	-1449.07	-280.66	-122.87	31.61	1671.59	-
3734.21												
						128.7	-1421.64	-280.66	-122.87	31.61	-6239.37	-
2.656e+04												
22	29	2.490e+04	4248.26	7.80e-03	0.0	0.0	510.69	345.96	76.83	-42.05	-5649.16	-
2.914e+04												
		-2.914e+04	-5649.16	-0.20	0.0	64.3	538.12	345.96	76.83	-42.05	-700.45	-
2122.05												
						128.7	565.55	345.96	76.83	-42.05	4248.26	
2.490e+04												
22	30	2.942e+04	3607.02	-7.36e-03	0.0	0.0	-1317.17	-433.74	-43.53	16.34	3607.02	
2.942e+04												
		-1.704e+04	-2005.06	0.06	0.0	64.3	-1289.74	-433.74	-43.53	16.34	800.98	
6189.85												
						128.7	-1262.31	-433.74	-43.53	16.34	-2005.06	-
1.704e+04												
22	31	1.518e+04	364.63	0.03	0.0	0.0	347.16	501.60	-3.02	-26.76	364.63	-
3.959e+04												
		-3.959e+04	-14.21	-0.13	0.0	64.3	374.59	501.60	-3.02	-26.76	175.21	-
1.220e+04												
						128.7	402.02	501.60	-3.02	-26.76	-14.21	
1.518e+04												
22	32	1.898e+04	9620.81	0.01	0.0	0.0	-1480.70	-278.10	-123.38	31.63	9620.81	
1.898e+04												
		-2.677e+04	-6267.53	0.13	0.0	64.3	-1453.27	-278.10	-123.38	31.63	1676.64	-
3892.61												
						128.7	-1425.84	-278.10	-123.38	31.63	-6267.53	-
2.677e+04												
22	33	2.511e+04	4276.42	0.02	0.0	0.0	514.90	343.40	77.35	-42.07	-5687.43	-
2.904e+04												
		-2.904e+04	-5687.43	-0.19	0.0	64.3	542.32	343.40	77.35	-42.07	-705.50	-
1963.66												
						128.7	569.75	343.40	77.35	-42.07	4276.42	
2.511e+04												
22	34	2.953e+04	3568.76	5.33e-03	0.0	0.0	-1312.97	-436.30	-43.02	16.32	3568.76	
2.953e+04												
		-1.683e+04	-1976.90	0.07	0.0	64.3	-1285.54	-436.30	-43.02	16.32	795.93	
6348.24												
						128.7	-1258.11	-436.30	-43.02	16.32	-1976.90	-
1.683e+04												
22	35	1.308e+04	486.97	0.04	0.0	0.0	313.64	460.65	6.64	-24.74	-374.14	-
3.687e+04												
		-3.687e+04	-374.14	-0.12	0.0	64.3	341.06	460.65	6.64	-24.74	56.42	-
1.189e+04												
						128.7	368.49	460.65	6.64	-24.74	486.97	
1.308e+04												
22	36	1.648e+04	1.028e+04	0.02	0.0	0.0	-1438.76	-242.27	-132.01	29.56	1.028e+04	
1.648e+04												
		-2.425e+04	-6712.40	0.13	0.0	64.3	-1411.34	-242.27	-132.01	29.56	1785.32	-
3887.81												
						128.7	-1383.91	-242.27	-132.01	29.56	-6712.40	-
2.425e+04												
22	37	2.260e+04	4721.28	0.01	0.0	0.0	472.96	307.57	85.97	-40.00	-6349.66	-
2.653e+04												
		-2.653e+04	-6349.66	-0.20	0.0	64.3	500.39	307.57	85.97	-40.00	-814.19	-
1968.46												
						128.7	527.82	307.57	85.97	-40.00	4721.28	
2.260e+04												
22	38	2.681e+04	4307.52	-0.01	0.0	0.0	-1279.44	-395.36	-52.67	14.30	4307.52	

2.681e+04												
		-1.474e+04	-2478.09	0.05	0.0	64.3	-1252.01	-395.36	-52.67	14.30	914.72	
6036.26												
						128.7	-1224.58	-395.36	-52.67	14.30	-2478.09	-
1.474e+04												
22	39	1.287e+04	458.81	0.03	0.0	0.0	309.43	463.21	6.12	-24.72	-335.87	-
3.697e+04												
		-3.697e+04	-335.87	-0.13	0.0	64.3	336.86	463.21	6.12	-24.72	61.47	-
1.205e+04												
						128.7	364.29	463.21	6.12	-24.72	458.81	
1.287e+04												
22	40	1.637e+04	1.032e+04	5.13e-03	0.0	0.0	-1442.97	-239.72	-132.52	29.58	1.032e+04	
1.637e+04												
		-2.446e+04	-6740.56	0.12	0.0	64.3	-1415.54	-239.72	-132.52	29.58	1790.38	-
4046.20												
						128.7	-1388.11	-239.72	-132.52	29.58	-6740.56	-
2.446e+04												
22	41	2.281e+04	4749.44	0.03	0.0	0.0	477.16	305.01	86.49	-40.02	-6387.92	-
2.643e+04												
		-2.643e+04	-6387.92	-0.19	0.0	64.3	504.59	305.01	86.49	-40.02	-819.24	-
1810.07												
						128.7	532.02	305.01	86.49	-40.02	4749.44	
2.281e+04												
22	42	2.692e+04	4269.26	-3.22e-03	0.0	0.0	-1275.23	-397.91	-52.16	14.28	4269.26	
2.692e+04												
		-1.453e+04	-2449.93	0.06	0.0	64.3	-1247.81	-397.91	-52.16	14.28	909.67	
6194.65												
						128.7	-1220.38	-397.91	-52.16	14.28	-2449.93	-
1.453e+04												
22	43	-8341.43	8768.98	0.06	0.0	0.0	-475.62	326.01	-113.63	8.01	8768.98	-
2.552e+04												
		-2.552e+04	-5852.17	0.04	0.0	64.3	-448.19	326.01	-113.63	8.01	1458.41	-
1.693e+04												
						128.7	-420.76	326.01	-113.63	8.01	-5852.17	-
8341.43												
22	44	-1.163e+04	1.092e+04	0.05	0.0	0.0	-909.73	140.99	-141.65	21.82	1.092e+04	-
1.163e+04												
		-1.830e+04	-7307.81	0.10	0.0	64.3	-882.30	140.99	-141.65	21.82	1808.39	-
1.496e+04												
						128.7	-854.87	140.99	-141.65	21.82	-7307.81	-
1.830e+04												
22	45	1.664e+04	5316.70	-0.02	0.0	0.0	-56.07	-75.70	95.62	-32.26	-6991.21	
1573.11												
		1573.11	-6991.21	-0.17	0.0	64.3	-28.64	-75.70	95.62	-32.26	-837.25	
9107.24												
						128.7	-1.22	-75.70	95.62	-32.26	5316.70	
1.664e+04												
22	46	1.547e+04	3861.05	-0.03	0.0	0.0	-490.19	-260.72	67.59	-18.45	-4835.60	
1.547e+04												
		6686.73	-4835.60	-0.11	0.0	64.3	-462.76	-260.72	67.59	-18.45	-487.27	
1.108e+04												
						128.7	-435.33	-260.72	67.59	-18.45	3861.05	
6686.73												
22	47	-8892.96	8598.03	0.06	0.0	0.0	-484.55	316.83	-111.40	8.48	8598.03	-
2.490e+04												
		-2.490e+04	-5736.77	0.04	0.0	64.3	-457.13	316.83	-111.40	8.48	1430.63	-
1.690e+04												
						128.7	-429.70	316.83	-111.40	8.48	-5736.77	-
8892.96												
22	48	-1.226e+04	1.110e+04	0.05	0.0	0.0	-900.79	150.18	-143.88	21.35	1.110e+04	-
1.226e+04												
		-1.774e+04	-7423.21	0.10	0.0	64.3	-873.36	150.18	-143.88	21.35	1836.17	-
1.500e+04												
						128.7	-845.94	150.18	-143.88	21.35	-7423.21	-
1.774e+04												
22	49	1.609e+04	5432.09	-0.02	0.0	0.0	-65.01	-84.88	97.85	-31.79	-7162.16	
2198.12												
		2198.12	-7162.16	-0.17	0.0	64.3	-37.58	-84.88	97.85	-31.79	-865.03	
9143.97												
						128.7	-10.16	-84.88	97.85	-31.79	5432.09	
1.609e+04												
22	50	1.484e+04	3745.66	-0.03	0.0	0.0	-481.25	-251.53	65.36	-18.92	-4664.64	

1.484e+04												
		7238.26	-4664.64	-0.11	0.0	64.3	-453.82	-251.53	65.36	-18.92	-459.49	
1.104e+04												
						128.7	-426.39	-251.53	65.36	-18.92	3745.66	
7238.26												
22	51	-8880.33	8863.80	0.02	0.0	0.0	-486.51	332.35	-114.91	8.06	8863.80	-
2.577e+04												
		-2.577e+04	-5922.47	0.01	0.0	64.3	-459.08	332.35	-114.91	8.06	1470.67	-
1.732e+04												
						128.7	-431.66	332.35	-114.91	8.06	-5922.47	-
8880.33												
22	52	-1.187e+04	1.102e+04	0.02	0.0	0.0	-920.63	147.33	-142.94	21.87	1.102e+04	-
1.187e+04												
		-1.883e+04	-7378.12	0.07	0.0	64.3	-893.20	147.33	-142.94	21.87	1820.65	-
1.535e+04												
						128.7	-865.77	147.33	-142.94	21.87	-7378.12	-
1.883e+04												
22	53	1.718e+04	5387.01	0.01	0.0	0.0	-45.17	-82.03	96.90	-32.31	-7086.03	
1816.57												
		1816.57	-7086.03	-0.14	0.0	64.3	-17.75	-82.03	96.90	-32.31	-849.51	
9498.42												
						128.7	9.68	-82.03	96.90	-32.31	5387.01	
1.718e+04												
22	54	1.571e+04	3931.36	7.03e-03	0.0	0.0	-479.29	-267.06	68.88	-18.49	-4930.42	
1.571e+04												
		7225.63	-4930.42	-0.08	0.0	64.3	-451.86	-267.06	68.88	-18.49	-499.53	
1.147e+04												
						128.7	-424.43	-267.06	68.88	-18.49	3931.36	
7225.63												
22	55	-9431.86	8692.85	0.02	0.0	0.0	-495.45	323.17	-112.68	8.53	8692.85	-
2.514e+04												
		-2.514e+04	-5807.08	0.01	0.0	64.3	-468.02	323.17	-112.68	8.53	1442.89	-
1.729e+04												
						128.7	-440.60	323.17	-112.68	8.53	-5807.08	-
9431.86												
22	56	-1.250e+04	1.119e+04	0.02	0.0	0.0	-911.69	156.52	-145.17	21.40	1.119e+04	-
1.250e+04												
		-1.828e+04	-7493.51	0.07	0.0	64.3	-884.26	156.52	-145.17	21.40	1848.43	-
1.539e+04												
						128.7	-856.83	156.52	-145.17	21.40	-7493.51	-
1.828e+04												
22	57	1.663e+04	5502.40	0.01	0.0	0.0	-54.11	-91.22	99.13	-31.84	-7256.99	
2441.58												
		2441.58	-7256.99	-0.14	0.0	64.3	-26.69	-91.22	99.13	-31.84	-877.29	
9535.16												
						128.7	0.74	-91.22	99.13	-31.84	5502.40	
1.663e+04												
22	58	1.509e+04	3815.97	5.58e-03	0.0	0.0	-470.35	-257.87	66.65	-18.97	-4759.47	
1.509e+04												
		7777.16	-4759.47	-0.08	0.0	64.3	-442.92	-257.87	66.65	-18.97	-471.75	
1.143e+04												
						128.7	-415.50	-257.87	66.65	-18.97	3815.97	
7777.16												
22	59	1.202e+04	738.03	0.03	0.0	0.0	177.69	401.28	-7.70	-22.21	738.03	-
3.225e+04												
		-3.225e+04	-244.81	-0.10	0.0	64.3	205.12	401.28	-7.70	-22.21	246.61	-
1.012e+04												
						128.7	232.55	401.28	-7.70	-22.21	-244.81	
1.202e+04												
22	60	1.406e+04	7923.41	0.02	0.0	0.0	-1269.36	-215.47	-101.11	23.85	7923.41	
1.406e+04												
		-2.117e+04	-5096.97	0.10	0.0	64.3	-1241.93	-215.47	-101.11	23.85	1413.22	-
3551.62												
						128.7	-1214.50	-215.47	-101.11	23.85	-5096.97	-
2.117e+04												
22	61	1.951e+04	3105.85	8.90e-03	0.0	0.0	303.56	280.76	55.08	-34.29	-3990.03	-
2.412e+04												
		-2.412e+04	-3990.03	-0.17	0.0	64.3	330.98	280.76	55.08	-34.29	-442.09	-
2304.65												
						128.7	358.41	280.76	55.08	-34.29	3105.85	
1.951e+04												
22	62	2.219e+04	3195.35	-2.99e-03	0.0	0.0	-1143.50	-335.98	-38.34	11.77	3195.35	

2.219e+04												
		-1.367e+04	-1746.31	0.04	0.0	64.3	-1116.07	-335.98	-38.34	11.77	724.52	
4260.46												
						128.7	-1088.64	-335.98	-38.34	11.77	-1746.31	-
1.367e+04												
22	63	1.185e+04	766.48	0.02	0.0	0.0	174.42	403.18	-8.08	-22.19	766.48	-
3.232e+04												
		-3.232e+04	-265.90	-0.11	0.0	64.3	201.85	403.18	-8.08	-22.19	250.29	-
1.023e+04												
						128.7	229.28	403.18	-8.08	-22.19	-265.90	
1.185e+04												
22	64	1.399e+04	7951.86	0.01	0.0	0.0	-1272.63	-213.57	-101.50	23.87	7951.86	
1.399e+04												
		-2.133e+04	-5118.06	0.09	0.0	64.3	-1245.20	-213.57	-101.50	23.87	1416.90	-
3668.98												
						128.7	-1217.77	-213.57	-101.50	23.87	-5118.06	-
2.133e+04												
22	65	1.967e+04	3126.94	0.02	0.0	0.0	306.82	278.86	55.46	-34.30	-4018.47	-
2.405e+04												
		-2.405e+04	-4018.47	-0.16	0.0	64.3	334.25	278.86	55.46	-34.30	-445.76	-
2187.29												
						128.7	361.68	278.86	55.46	-34.30	3126.94	
1.967e+04												
22	66	2.226e+04	3166.91	7.69e-03	0.0	0.0	-1140.23	-337.88	-37.95	11.76	3166.91	
2.226e+04												
		-1.351e+04	-1725.21	0.05	0.0	64.3	-1112.80	-337.88	-37.95	11.76	720.85	
4377.82												
						128.7	-1085.37	-337.88	-37.95	11.76	-1725.21	-
1.351e+04												
22	67	1.018e+04	168.19	0.04	0.0	0.0	147.90	370.65	-0.26	-20.63	168.19	-
3.017e+04												
		-3.017e+04	139.84	-0.10	0.0	64.3	175.32	370.65	-0.26	-20.63	154.01	-
9994.27												
						128.7	202.75	370.65	-0.26	-20.63	139.84	
1.018e+04												
22	68	1.198e+04	8493.25	0.02	0.0	0.0	-1239.56	-184.84	-108.55	22.27	8493.25	
1.198e+04												
		-1.933e+04	-5481.61	0.10	0.0	64.3	-1212.13	-184.84	-108.55	22.27	1505.82	-
3674.08												
						128.7	-1184.71	-184.84	-108.55	22.27	-5481.61	-
1.933e+04												
22	69	1.767e+04	3490.50	0.01	0.0	0.0	273.76	250.14	62.51	-32.71	-4559.87	-
2.204e+04												
		-2.204e+04	-4559.87	-0.16	0.0	64.3	301.19	250.14	62.51	-32.71	-534.68	-
2182.19												
						128.7	328.62	250.14	62.51	-32.71	3490.50	
1.767e+04												
22	70	2.011e+04	3765.19	-7.10e-03	0.0	0.0	-1113.70	-305.35	-45.77	10.19	3765.19	
2.011e+04												
		-1.183e+04	-2130.95	0.03	0.0	64.3	-1086.27	-305.35	-45.77	10.19	817.12	
4138.00												
						128.7	-1058.84	-305.35	-45.77	10.19	-2130.95	-
1.183e+04												
22	71	1.002e+04	196.64	0.03	0.0	0.0	144.63	372.55	-0.65	-20.61	196.64	-
3.024e+04												
		-3.024e+04	118.75	-0.11	0.0	64.3	172.06	372.55	-0.65	-20.61	157.69	-
1.011e+04												
						128.7	199.48	372.55	-0.65	-20.61	118.75	
1.002e+04												
22	72	1.191e+04	8521.70	7.27e-03	0.0	0.0	-1242.83	-182.94	-108.93	22.29	8521.70	
1.191e+04												
		-1.949e+04	-5502.70	0.09	0.0	64.3	-1215.40	-182.94	-108.93	22.29	1509.50	-
3791.43												
						128.7	-1187.98	-182.94	-108.93	22.29	-5502.70	-
1.949e+04												
22	73	1.783e+04	3511.59	0.02	0.0	0.0	277.03	248.24	62.90	-32.72	-4588.31	-
2.196e+04												
		-2.196e+04	-4588.31	-0.15	0.0	64.3	304.46	248.24	62.90	-32.72	-538.36	-
2064.84												
						128.7	331.88	248.24	62.90	-32.72	3511.59	
1.783e+04												
22	74	2.018e+04	3736.75	2.87e-03	0.0	0.0	-1110.43	-307.26	-45.39	10.18	3736.75	

2.018e+04												
		-1.167e+04	-2109.86	0.04	0.0	64.3	-1083.00	-307.26	-45.39	10.18	813.44	
4255.36												
						128.7	-1055.57	-307.26	-45.39	10.18	-2109.86	-
1.167e+04												
22	75	-7049.97	7590.65	0.05	0.0	0.0	-476.92	275.40	-97.93	5.72	7590.65	-
2.199e+04												
		-2.199e+04	-5010.73	0.03	0.0	64.3	-449.49	275.40	-97.93	5.72	1289.96	-
1.452e+04												
						128.7	-422.06	275.40	-97.93	5.72	-5010.73	-
7049.97												
22	76	-1.051e+04	9374.76	0.05	0.0	0.0	-835.69	122.47	-121.13	17.14	9374.76	-
1.051e+04												
		-1.528e+04	-6215.54	0.08	0.0	64.3	-808.27	122.47	-121.13	17.14	1579.61	-
1.289e+04												
						128.7	-780.84	122.47	-121.13	17.14	-6215.54	-
1.528e+04												
22	77	1.362e+04	4224.43	-0.02	0.0	0.0	-130.11	-57.17	75.09	-27.58	-5441.38	451.63
		451.63	-5441.38	-0.15	0.0	64.3	-102.68	-57.17	75.09	-27.58	-608.47	
7037.41												
						128.7	-75.25	-57.17	75.09	-27.58	4224.43	
1.362e+04												
22	78	1.194e+04	3019.62	-0.02	0.0	0.0	-488.89	-210.11	51.90	-16.15	-3657.26	
1.194e+04												
		5395.27	-3657.26	-0.10	0.0	64.3	-461.46	-210.11	51.90	-16.15	-318.82	
8665.57												
						128.7	-434.03	-210.11	51.90	-16.15	3019.62	
5395.27												
22	79	-7505.47	7449.65	0.05	0.0	0.0	-484.30	267.82	-96.09	6.11	7449.65	-
2.148e+04												
		-2.148e+04	-4915.55	0.03	0.0	64.3	-456.88	267.82	-96.09	6.11	1267.05	-
1.449e+04												
						128.7	-429.45	267.82	-96.09	6.11	-4915.55	-
7505.47												
22	80	-1.103e+04	9515.76	0.05	0.0	0.0	-828.30	130.06	-122.97	16.75	9515.76	-
1.103e+04												
		-1.482e+04	-6310.72	0.08	0.0	64.3	-800.88	130.06	-122.97	16.75	1602.52	-
1.292e+04												
						128.7	-773.45	130.06	-122.97	16.75	-6310.72	-
1.482e+04												
22	81	1.317e+04	4319.60	-0.02	0.0	0.0	-137.50	-64.76	76.93	-27.18	-5582.37	967.81
		967.81	-5582.37	-0.15	0.0	64.3	-110.07	-64.76	76.93	-27.18	-631.38	
7067.75												
						128.7	-82.64	-64.76	76.93	-27.18	4319.60	
1.317e+04												
22	82	1.142e+04	2924.44	-0.02	0.0	0.0	-481.50	-202.52	50.06	-16.55	-3516.27	
1.142e+04												
		5850.77	-3516.27	-0.10	0.0	64.3	-454.07	-202.52	50.06	-16.55	-295.91	
8635.23												
						128.7	-426.64	-202.52	50.06	-16.55	2924.44	
5850.77												
22	83	-7495.25	7669.23	0.02	0.0	0.0	-485.94	280.63	-98.99	5.75	7669.23	-
2.219e+04												
		-2.219e+04	-5068.96	3.67e-03	0.0	64.3	-458.51	280.63	-98.99	5.75	1300.13	-
1.484e+04												
						128.7	-431.08	280.63	-98.99	5.75	-5068.96	-
7495.25												
22	84	-1.071e+04	9453.34	0.02	0.0	0.0	-844.72	127.70	-122.19	17.18	9453.34	-
1.071e+04												
		-1.572e+04	-6273.78	0.05	0.0	64.3	-817.29	127.70	-122.19	17.18	1589.78	-
1.322e+04												
						128.7	-789.86	127.70	-122.19	17.18	-6273.78	-
1.572e+04												
22	85	1.407e+04	4282.66	0.01	0.0	0.0	-121.09	-62.40	76.15	-27.61	-5519.96	651.63
		651.63	-5519.96	-0.12	0.0	64.3	-93.66	-62.40	76.15	-27.61	-618.65	
7360.06												
						128.7	-66.23	-62.40	76.15	-27.61	4282.66	
1.407e+04												
22	86	1.214e+04	3077.85	8.50e-03	0.0	0.0	-479.87	-215.34	52.96	-16.19	-3735.85	
1.214e+04												
		5840.55	-3735.85	-0.07	0.0	64.3	-452.44	-215.34	52.96	-16.19	-329.00	
8988.21												

						128.7	-425.01	-215.34	52.96	-16.19	3077.85	
5840.55												
22	87	-7950.76	7528.24	0.02	0.0	0.0	-493.33	273.04	-97.16	6.15	7528.24	-
2.168e+04												
		-2.168e+04	-4973.79	4.81e-03	0.0	64.3	-465.90	273.04	-97.16	6.15	1277.22	-
1.481e+04												
						128.7	-438.47	273.04	-97.16	6.15	-4973.79	-
7950.76												
22	88	-1.123e+04	9594.34	0.02	0.0	0.0	-837.33	135.29	-124.03	16.78	9594.34	-
1.123e+04												
		-1.527e+04	-6368.95	0.05	0.0	64.3	-809.90	135.29	-124.03	16.78	1612.70	-
1.325e+04												
						128.7	-782.47	135.29	-124.03	16.78	-6368.95	-
1.527e+04												
22	89	1.361e+04	4377.84	0.01	0.0	0.0	-128.48	-69.99	77.99	-27.22	-5660.96	
1167.80												
		1167.80	-5660.96	-0.12	0.0	64.3	-101.05	-69.99	77.99	-27.22	-641.56	
7390.39												
						128.7	-73.62	-69.99	77.99	-27.22	4377.84	
1.361e+04												
22	90	1.162e+04	2982.67	7.31e-03	0.0	0.0	-472.48	-207.75	51.12	-16.58	-3594.85	
1.162e+04												
		6296.06	-3594.85	-0.07	0.0	64.3	-445.05	-207.75	51.12	-16.58	-306.09	
8957.88												
						128.7	-417.62	-207.75	51.12	-16.58	2982.67	
6296.06												
22	91	9784.89	947.97	0.03	0.0	0.0	63.04	337.42	-10.31	-19.26	947.97	-
2.754e+04												
		-2.754e+04	-372.81	-0.09	0.0	64.3	90.47	337.42	-10.31	-19.26	287.58	-
8875.61												
						128.7	117.90	337.42	-10.31	-19.26	-372.81	
9784.89												
22	92	1.074e+04	6895.02	0.02	0.0	0.0	-1132.89	-172.35	-87.63	18.81	6895.02	
1.074e+04												
		-1.764e+04	-4388.85	0.08	0.0	64.3	-1105.46	-172.35	-87.63	18.81	1253.08	-
3448.43												
						128.7	-1078.03	-172.35	-87.63	18.81	-4388.85	-
1.764e+04												
22	93	1.599e+04	2397.74	0.01	0.0	0.0	167.08	237.65	41.59	-29.25	-2961.63	-
2.080e+04												
		-2.080e+04	-2961.63	-0.15	0.0	64.3	194.51	237.65	41.59	-29.25	-281.95	-
2407.84												
						128.7	221.94	237.65	41.59	-29.25	2397.74	
1.599e+04												
22	94	1.748e+04	2985.41	-1.43e-03	0.0	0.0	-1028.85	-272.13	-35.72	8.82	2985.41	
1.748e+04												
		-1.144e+04	-1618.30	0.03	0.0	64.3	-1001.42	-272.13	-35.72	8.82	683.55	
3019.34												
						128.7	-973.99	-272.13	-35.72	8.82	-1618.30	-
1.144e+04												
22	95	9651.31	971.55	0.02	0.0	0.0	60.34	338.99	-10.63	-19.25	971.55	-
2.760e+04												
		-2.760e+04	-390.28	-0.10	0.0	64.3	87.76	338.99	-10.63	-19.25	290.64	-
8972.40												
						128.7	115.19	338.99	-10.63	-19.25	-390.28	
9651.31												
22	96	1.068e+04	6918.59	0.01	0.0	0.0	-1135.59	-170.78	-87.95	18.82	6918.59	
1.068e+04												
		-1.778e+04	-4406.32	0.07	0.0	64.3	-1108.17	-170.78	-87.95	18.82	1256.13	-
3545.23												
						128.7	-1080.74	-170.78	-87.95	18.82	-4406.32	-
1.778e+04												
22	97	1.612e+04	2415.21	0.02	0.0	0.0	169.79	236.08	41.91	-29.26	-2985.21	-
2.074e+04												
		-2.074e+04	-2985.21	-0.14	0.0	64.3	197.22	236.08	41.91	-29.26	-285.00	-
2311.04												
						128.7	224.65	236.08	41.91	-29.26	2415.21	
1.612e+04												
22	98	1.754e+04	2961.83	8.98e-03	0.0	0.0	-1026.14	-273.69	-35.40	8.81	2961.83	
1.754e+04												
		-1.131e+04	-1600.83	0.03	0.0	64.3	-998.71	-273.69	-35.40	8.81	680.50	
3116.14												

						128.7	-971.28	-273.69	-35.40	8.81	-1600.83	-1.131e+04
22	99	8266.55	477.99	0.03	0.0	0.0	38.41	312.13	-4.18	-17.96	477.99	-2.582e+04
		-2.582e+04	-55.56	-0.09	0.0	64.3	65.84	312.13	-4.18	-17.96	211.21	-8774.49
						128.7	93.27	312.13	-4.18	-17.96	-55.56	8266.55
22	100	9024.10	7365.00	0.02	0.0	0.0	-1108.26	-147.06	-93.76	17.50	7365.00	9024.10
		-1.612e+04	-4706.10	0.07	0.0	64.3	-1080.83	-147.06	-93.76	17.50	1329.45	-3549.55
						128.7	-1053.40	-147.06	-93.76	17.50	-4706.10	-1.612e+04
22	101	1.447e+04	2714.99	0.01	0.0	0.0	142.45	212.36	47.73	-27.94	-3431.62	-1.908e+04
		-1.908e+04	-3431.62	-0.14	0.0	64.3	169.88	212.36	47.73	-27.94	-358.32	-2306.72
						128.7	197.31	212.36	47.73	-27.94	2714.99	1.447e+04
22	102	1.576e+04	3455.40	-3.25e-03	0.0	0.0	-1004.21	-246.83	-41.85	7.52	3455.40	1.576e+04
		-9921.25	-1935.55	0.02	0.0	64.3	-976.79	-246.83	-41.85	7.52	759.92	-2918.22
						128.7	-949.36	-246.83	-41.85	7.52	-1935.55	-9921.25
22	103	8132.97	501.56	0.03	0.0	0.0	35.71	313.70	-4.50	-17.94	501.56	-2.588e+04
		-2.588e+04	-73.03	-0.10	0.0	64.3	63.13	313.70	-4.50	-17.94	214.27	-8871.29
						128.7	90.56	313.70	-4.50	-17.94	-73.03	8132.97
22	104	8964.10	7388.58	8.37e-03	0.0	0.0	-1110.96	-145.49	-94.08	17.52	7388.58	8964.10
		-1.626e+04	-4723.57	0.07	0.0	64.3	-1083.54	-145.49	-94.08	17.52	1332.50	-3646.34
						128.7	-1056.11	-145.49	-94.08	17.52	-4723.57	-1.626e+04
22	105	1.460e+04	2732.46	0.02	0.0	0.0	145.16	210.79	48.04	-27.95	-3455.19	-1.902e+04
		-1.902e+04	-3455.19	-0.13	0.0	64.3	172.59	210.79	48.04	-27.95	-361.37	-2209.92
						128.7	200.02	210.79	48.04	-27.95	2732.46	1.460e+04
22	106	1.582e+04	3431.82	4.99e-03	0.0	0.0	-1001.51	-248.40	-41.54	7.51	3431.82	1.582e+04
		-9787.67	-1918.08	0.03	0.0	64.3	-974.08	-248.40	-41.54	7.51	756.87	-3015.02
						128.7	-946.65	-248.40	-41.54	7.51	-1918.08	-9787.67
24	1	5552.92	1525.01	0.01	0.0	0.0	-442.06	-29.48	-10.95	-6.09	1525.01	5552.92
		-2035.57	-1292.33	-0.02	0.0	128.7	-370.75	-29.48	-10.95	-6.09	116.34	-1758.67
						257.4	-299.44	-29.48	-10.95	-6.09	-1292.33	-2035.57
24	2	1.965e+04	9898.69	0.07	0.0	0.0	-2080.69	-74.53	-69.80	-12.02	9898.69	1.965e+04
		466.69	-8067.57	-0.05	0.0	128.7	-2009.38	-74.53	-69.80	-12.02	915.56	-1.006e+04
						257.4	-1938.06	-74.53	-69.80	-12.02	-8067.57	466.69
24	3	4005.46	1015.06	9.09e-03	0.0	0.0	-309.12	-21.83	-7.31	-4.57	1015.06	4005.46
		-1613.05	-866.24	-0.01	0.0	128.7	-254.27	-21.83	-7.31	-4.57	74.41	-1196.21
						257.4	-199.41	-21.83	-7.31	-4.57	-866.24	-1613.05
24	4	1.810e+04	9388.74	0.07	0.0	0.0	-1947.75	-66.87	-66.17	-10.50	9388.74	1.810e+04
		889.22	-7641.48	-0.05	0.0	128.7	-1892.89	-66.87	-66.17	-10.50	873.63	-9495.24
						257.4	-1838.04	-66.87	-66.17	-10.50	-7641.48	889.22

24	5	4155.82	1104.37	9.73e-03	0.0	0.0	-326.60	-22.31	-7.94	-4.64	1104.37	4155.82
		-1586.35	-938.50	-0.01	0.0	128.7	-271.75	-22.31	-7.94	-4.64	82.93	1284.73
						257.4	-216.89	-22.31	-7.94	-4.64	-938.50	-1586.35
24	6	1.355e+04	6686.83	0.05	0.0	0.0	-1419.02	-52.34	-47.18	-8.59	6686.83	1.355e+04
		81.82	-5455.33	-0.04	0.0	128.7	-1364.16	-52.34	-47.18	-8.59	615.75	6817.42
						257.4	-1309.31	-52.34	-47.18	-8.59	-5455.33	81.82
24	7	4155.82	1104.37	9.73e-03	0.0	0.0	-326.60	-22.31	-7.94	-4.64	1104.37	4155.82
		-1586.35	-938.50	-0.01	0.0	128.7	-271.75	-22.31	-7.94	-4.64	82.93	1284.73
						257.4	-216.89	-22.31	-7.94	-4.64	-938.50	-1586.35
24	8	1.073e+04	5012.09	0.04	0.0	0.0	-1091.30	-43.33	-35.40	-7.40	5012.09	1.073e+04
		-418.63	-4100.28	-0.03	0.0	128.7	-1036.44	-43.33	-35.40	-7.40	455.91	5157.61
						257.4	-981.58	-43.33	-35.40	-7.40	-4100.28	-418.63
24	9	4155.82	1104.37	9.73e-03	0.0	0.0	-326.60	-22.31	-7.94	-4.64	1104.37	4155.82
		-1586.35	-938.50	-0.01	0.0	128.7	-271.75	-22.31	-7.94	-4.64	82.93	1284.73
						257.4	-216.89	-22.31	-7.94	-4.64	-938.50	-1586.35
24	10	9794.14	4453.85	0.03	0.0	0.0	-982.05	-40.33	-31.48	-7.01	4453.85	9794.14
		-585.45	-3648.60	-0.03	0.0	128.7	-927.20	-40.33	-31.48	-7.01	402.62	4604.34
						257.4	-872.34	-40.33	-31.48	-7.01	-3648.60	-585.45
24	11	1.399e+04	1.105e+04	-0.06	0.0	0.0	-662.06	-69.08	-78.63	-101.58	1.105e+04	1.399e+04
		-2038.18	-9184.38	0.06	0.0	128.7	-607.21	-69.08	-78.63	-101.58	934.77	5976.02
						257.4	-552.35	-69.08	-78.63	-101.58	-9184.38	-2038.18
24	12	3.842e+04	2.162e+04	-0.18	0.0	0.0	-1066.68	267.50	-153.02	8.81	2.162e+04	-3.226e+04
		-3.226e+04	-1.776e+04	0.41	0.0	128.7	-1011.83	267.50	-153.02	8.81	1930.68	3078.71
						257.4	-956.97	267.50	-153.02	8.81	-1.776e+04	-3.842e+04
24	13	5.185e+04	1.046e+04	0.24	0.0	0.0	-897.42	-348.16	90.06	-22.82	-1.272e+04	5.185e+04
		-3.959e+04	-1.272e+04	-0.46	0.0	128.7	-842.57	-348.16	90.06	-22.82	-1125.43	6129.98
						257.4	-787.71	-348.16	90.06	-22.82	1.046e+04	-3.959e+04
24	14	5598.06	1887.17	0.13	0.0	0.0	-1302.04	-11.58	15.67	87.56	-2146.21	5598.06
		867.29	-2146.21	-0.11	0.0	128.7	-1247.19	-11.58	15.67	87.56	-129.52	3232.67
						257.4	-1192.33	-11.58	15.67	87.56	1887.17	867.29
24	15	1.415e+04	1.159e+04	-0.06	0.0	0.0	-649.98	-72.78	-82.44	-103.20	1.159e+04	1.415e+04
		-2829.34	-9629.11	0.07	0.0	128.7	-595.13	-72.78	-82.44	-103.20	980.57	5660.89
						257.4	-540.27	-72.78	-82.44	-103.20	-9629.11	-2829.34
24	16	3.921e+04	2.109e+04	-0.17	0.0	0.0	-1078.77	271.20	-149.21	10.43	2.109e+04	-3.242e+04
		-3.242e+04	-1.732e+04	0.40	0.0	128.7	-1023.91	271.20	-149.21	10.43	1884.88	3393.84
						257.4	-969.06	271.20	-149.21	10.43	-1.732e+04	-3.921e+04
24	17	5.201e+04	1.002e+04	0.24	0.0	0.0	-885.34	-351.86	86.25	-24.45	-1.218e+04	5.201e+04

		-4.038e+04	-1.218e+04	-0.45	0.0	128.7	-830.49	-351.86	86.25	-24.45	-1079.63	5814.85
						257.4	-775.63	-351.86	86.25	-24.45	1.002e+04	-4.038e+04
24	18	5437.16	2331.91	0.13	0.0	0.0	-1314.13	-7.88	19.48	89.19	-2682.54	5437.16
		1658.44	-2682.54	-0.12	0.0	128.7	-1259.27	-7.88	19.48	89.19	-175.32	3547.80
						257.4	-1204.41	-7.88	19.48	89.19	2331.91	1658.44
24	19	1.400e+04	1.147e+04	-0.07	0.0	0.0	-685.17	-72.72	-81.60	-100.28	1.147e+04	1.400e+04
		-2999.45	-9529.00	0.07	0.0	128.7	-630.31	-72.72	-81.60	-100.28	972.87	5502.42
						257.4	-575.45	-72.72	-81.60	-100.28	-9529.00	-2999.45
24	20	3.746e+04	2.204e+04	-0.18	0.0	0.0	-1089.79	263.86	-155.99	10.10	2.204e+04	-3.225e+04
		-3.225e+04	-1.811e+04	0.42	0.0	128.7	-1034.93	263.86	-155.99	10.10	1968.77	2605.12
						257.4	-980.07	263.86	-155.99	10.10	-1.811e+04	3.746e+04
24	21	5.184e+04	1.081e+04	0.25	0.0	0.0	-874.32	-344.51	93.03	-24.12	-1.314e+04	5.184e+04
		-3.863e+04	-1.314e+04	-0.47	0.0	128.7	-819.47	-344.51	93.03	-24.12	-1163.53	6603.57
						257.4	-764.61	-344.51	93.03	-24.12	1.081e+04	-3.863e+04
24	22	5583.99	2231.80	0.13	0.0	0.0	-1278.94	-7.93	18.64	86.26	-2567.03	5583.99
		1828.55	-2567.03	-0.12	0.0	128.7	-1224.09	-7.93	18.64	86.26	-167.62	3706.27
						257.4	-1169.23	-7.93	18.64	86.26	2231.80	1828.55
24	23	1.417e+04	1.201e+04	-0.07	0.0	0.0	-673.08	-76.42	-85.42	-101.90	1.201e+04	1.417e+04
		-3790.60	-9973.73	0.08	0.0	128.7	-618.23	-76.42	-85.42	-101.90	1018.66	5187.29
						257.4	-563.37	-76.42	-85.42	-101.90	-9973.73	-3790.60
24	24	3.825e+04	2.151e+04	-0.18	0.0	0.0	-1101.87	267.56	-152.18	11.73	2.151e+04	-3.241e+04
		-3.241e+04	-1.766e+04	0.41	0.0	128.7	-1047.01	267.56	-152.18	11.73	1922.98	2920.24
						257.4	-992.16	267.56	-152.18	11.73	-1.766e+04	3.825e+04
24	25	5.200e+04	1.036e+04	0.25	0.0	0.0	-862.24	-348.21	89.22	-25.74	-1.260e+04	5.200e+04
		-3.942e+04	-1.260e+04	-0.46	0.0	128.7	-807.38	-348.21	89.22	-25.74	-1117.73	6288.44
						257.4	-752.53	-348.21	89.22	-25.74	1.036e+04	-3.942e+04
24	26	5423.09	2676.53	0.14	0.0	0.0	-1291.02	-4.23	22.46	87.89	-3103.36	5423.09
		2619.71	-3103.36	-0.13	0.0	128.7	-1236.17	-4.23	22.46	87.89	-213.42	4021.40
						257.4	-1181.31	-4.23	22.46	87.89	2676.53	2619.71
24	27	8.120e+04	7699.51	0.18	0.0	0.0	-272.39	-559.43	67.20	-202.79	-9595.90	8.120e+04
		-6.238e+04	-9595.90	-0.53	0.0	128.7	-217.53	-559.43	67.20	-202.79	-948.20	9410.09
						257.4	-162.67	-559.43	67.20	-202.79	7699.51	-6.238e+04
24	28	7.248e+04	2.563e+04	-0.20	0.0	0.0	-1621.11	562.50	-180.76	165.15	2.563e+04	-7.297e+04
		-7.297e+04	-2.089e+04	0.64	0.0	128.7	-1566.26	562.50	-180.76	165.15	2371.50	247.59
						257.4	-1511.40	562.50	-180.76	165.15	-2.089e+04	7.248e+04
24	29	9.256e+04	1.359e+04	0.27	0.0	0.0	-342.99	-643.15	117.80	-179.16	-1.673e+04	9.256e+04

		-7.365e+04	-1.673e+04	-0.69	0.0	128.7	-288.14	-643.15	117.80	-179.16	-1566.26	9456.28
						257.4	-233.28	-643.15	117.80	-179.16	1.359e+04	-7.365e+04
24	30	6.121e+04	1.850e+04	-0.11	0.0	0.0	-1691.72	478.77	-130.16	188.78	1.850e+04	-6.162e+04
		-6.162e+04	-1.500e+04	0.48	0.0	128.7	-1636.87	478.77	-130.16	188.78	1753.44	-201.40
						257.4	-1582.01	478.77	-130.16	188.78	-1.500e+04	6.121e+04
24	31	8.121e+04	7596.12	0.18	0.0	0.0	-279.32	-560.52	66.30	-202.40	-9469.65	8.121e+04
		-6.267e+04	-9469.65	-0.53	0.0	128.7	-224.46	-560.52	66.30	-202.40	-936.77	9268.01
						257.4	-169.60	-560.52	66.30	-202.40	7596.12	-6.267e+04
24	32	7.219e+04	2.576e+04	-0.21	0.0	0.0	-1628.04	561.41	-181.66	165.54	2.576e+04	-7.297e+04
		-7.297e+04	-2.099e+04	0.64	0.0	128.7	-1573.19	561.41	-181.66	165.54	2382.93	-389.67
						257.4	-1518.33	561.41	-181.66	165.54	-2.099e+04	7.219e+04
24	33	9.256e+04	1.370e+04	0.27	0.0	0.0	-336.06	-642.06	118.70	-179.55	-1.685e+04	9.256e+04
		-7.336e+04	-1.685e+04	-0.69	0.0	128.7	-281.21	-642.06	118.70	-179.55	-1577.68	9598.36
						257.4	-226.35	-642.06	118.70	-179.55	1.370e+04	-7.336e+04
24	34	6.150e+04	1.838e+04	-0.11	0.0	0.0	-1684.79	479.87	-129.26	188.39	1.838e+04	-6.162e+04
		-6.162e+04	-1.489e+04	0.48	0.0	128.7	-1629.94	479.87	-129.26	188.39	1742.01	-59.32
						257.4	-1575.08	479.87	-129.26	188.39	-1.489e+04	6.150e+04
24	35	8.174e+04	6217.06	0.17	0.0	0.0	-232.11	-571.76	54.49	-208.21	-7808.14	8.174e+04
		-6.502e+04	-7808.14	-0.50	0.0	128.7	-177.25	-571.76	54.49	-208.21	-795.54	8359.66
						257.4	-122.40	-571.76	54.49	-208.21	6217.06	-6.502e+04
24	36	7.512e+04	2.385e+04	-0.19	0.0	0.0	-1661.39	574.83	-168.06	170.57	2.385e+04	-7.351e+04
		-7.351e+04	-1.941e+04	0.61	0.0	128.7	-1606.54	574.83	-168.06	170.57	2218.84	802.84
						257.4	-1551.68	574.83	-168.06	170.57	-1.941e+04	7.512e+04
24	37	9.310e+04	1.211e+04	0.26	0.0	0.0	-302.72	-655.49	105.10	-184.58	-1.494e+04	9.310e+04
		-7.629e+04	-1.494e+04	-0.66	0.0	128.7	-247.86	-655.49	105.10	-184.58	-1413.60	8405.85
						257.4	-193.00	-655.49	105.10	-184.58	1.211e+04	-7.629e+04
24	38	6.385e+04	1.672e+04	-0.10	0.0	0.0	-1732.00	491.11	-117.45	194.19	1.672e+04	-6.215e+04
		-6.215e+04	-1.351e+04	0.45	0.0	128.7	-1677.14	491.11	-117.45	194.19	1600.78	849.02
						257.4	-1622.29	491.11	-117.45	194.19	-1.351e+04	6.385e+04
24	39	8.174e+04	6113.68	0.17	0.0	0.0	-239.04	-572.85	53.60	-207.82	-7681.89	8.174e+04
		-6.531e+04	-7681.89	-0.50	0.0	128.7	-184.18	-572.85	53.60	-207.82	-784.11	8217.59
						257.4	-129.33	-572.85	53.60	-207.82	6113.68	-6.531e+04
24	40	7.483e+04	2.397e+04	-0.20	0.0	0.0	-1668.32	573.74	-168.95	170.96	2.397e+04	-7.351e+04
		-7.351e+04	-1.951e+04	0.61	0.0	128.7	-1613.47	573.74	-168.95	170.96	2230.27	660.76
						257.4	-1558.61	573.74	-168.95	170.96	-1.951e+04	7.483e+04
24	41	9.309e+04	1.222e+04	0.26	0.0	0.0	-295.78	-654.39	105.99	-184.97	-1.507e+04	9.309e+04
		-7.600e+04	-1.507e+04	-0.66	0.0	128.7	-240.93	-654.39	105.99	-184.97	-1425.03	8547.93
						257.4	-186.07	-654.39	105.99	-184.97	1.222e+04	-7.600e+04

24	42	6.414e+04	1.659e+04	-0.10	0.0	0.0	-1725.07	492.20	-116.56	193.80	1.659e+04	-6.216e+04
		-6.216e+04	-1.341e+04	0.45	0.0	128.7	-1670.21	492.20	-116.56	193.80	1589.35	991.10
						257.4	-1615.36	492.20	-116.56	193.80	-1.341e+04	6.414e+04
24	43	1.327e+04	9638.02	-0.04	0.0	0.0	-731.00	-64.58	-68.52	-81.85	9638.02	1.327e+04
		-1953.19	-7997.15	0.04	0.0	128.7	-676.14	-64.58	-68.52	-81.85	820.43	5658.10
						257.4	-621.29	-64.58	-68.52	-81.85	-7997.15	-1953.19
24	44	3.008e+04	1.801e+04	-0.13	0.0	0.0	-1051.56	202.05	-127.45	5.63	1.801e+04	-2.338e+04
		-2.338e+04	-1.479e+04	0.32	0.0	128.7	-996.71	202.05	-127.45	5.63	1609.48	3348.56
						257.4	-941.85	202.05	-127.45	5.63	-1.479e+04	3.008e+04
24	45	4.297e+04	7495.00	0.20	0.0	0.0	-912.55	-282.70	64.49	-19.64	-9103.47	4.297e+04
		-3.125e+04	-9103.47	-0.37	0.0	128.7	-857.69	-282.70	64.49	-19.64	-804.24	5860.13
						257.4	-802.83	-282.70	64.49	-19.64	7495.00	-3.125e+04
24	46	6318.88	699.95	0.11	0.0	0.0	-1233.11	-16.08	5.56	67.83	-730.32	6318.88
		782.30	-730.32	-0.09	0.0	128.7	-1178.25	-16.08	5.56	67.83	-15.19	3550.59
						257.4	-1123.40	-16.08	5.56	67.83	699.95	782.30
24	47	1.340e+04	1.006e+04	-0.04	0.0	0.0	-721.41	-67.52	-71.55	-83.13	1.006e+04	1.340e+04
		-2581.97	-8350.64	0.05	0.0	128.7	-666.56	-67.52	-71.55	-83.13	856.82	5407.40
						257.4	-611.70	-67.52	-71.55	-83.13	-8350.64	-2581.97
24	48	3.071e+04	1.758e+04	-0.13	0.0	0.0	-1061.15	204.98	-124.42	6.91	1.758e+04	-2.351e+04
		-2.351e+04	-1.444e+04	0.31	0.0	128.7	-1006.29	204.98	-124.42	6.91	1573.09	3599.27
						257.4	-951.44	204.98	-124.42	6.91	-1.444e+04	3.071e+04
24	49	4.310e+04	7141.51	0.20	0.0	0.0	-902.96	-285.64	61.46	-20.93	-8677.20	4.310e+04
		-3.188e+04	-8677.20	-0.36	0.0	128.7	-848.10	-285.64	61.46	-20.93	-767.85	5609.42
						257.4	-793.25	-285.64	61.46	-20.93	7141.51	-3.188e+04
24	50	6191.51	1053.44	0.11	0.0	0.0	-1242.70	-13.14	8.59	69.12	-1156.59	6191.51
		1411.08	-1156.59	-0.10	0.0	128.7	-1187.84	-13.14	8.59	69.12	-51.58	3801.29
						257.4	-1132.98	-13.14	8.59	69.12	1053.44	1411.08
24	51	1.330e+04	9954.67	-0.05	0.0	0.0	-749.57	-67.80	-70.75	-80.77	9954.67	1.330e+04
		-2778.89	-8256.03	0.05	0.0	128.7	-694.71	-67.80	-70.75	-80.77	849.32	5262.13
						257.4	-639.85	-67.80	-70.75	-80.77	-8256.03	-2778.89
24	52	2.925e+04	1.833e+04	-0.14	0.0	0.0	-1070.13	198.82	-129.68	6.70	1.833e+04	-2.335e+04
		-2.335e+04	-1.505e+04	0.33	0.0	128.7	-1015.27	198.82	-129.68	6.70	1638.37	2952.59
						257.4	-960.42	198.82	-129.68	6.70	-1.505e+04	2.925e+04
24	53	4.294e+04	7753.88	0.20	0.0	0.0	-893.98	-279.48	66.72	-20.71	-9420.12	4.294e+04
		-3.042e+04	-9420.12	-0.38	0.0	128.7	-839.12	-279.48	66.72	-20.71	-833.12	6256.10
						257.4	-784.27	-279.48	66.72	-20.71	7753.88	-3.042e+04
24	54	6285.14	958.83	0.11	0.0	0.0	-1214.54	-12.85	7.79	66.76	-1046.98	6285.14

		1607.99	-1046.98	-0.10	0.0	128.7	-1159.69	-12.85	7.79	66.76	-44.07	3946.56
						257.4	-1104.83	-12.85	7.79	66.76	958.83	1607.99
24	55	1.343e+04	1.038e+04	-0.05	0.0	0.0	-739.98	-70.74	-73.78	-82.06	1.038e+04	1.343e+04
		-3407.67	-8609.52	0.06	0.0	128.7	-685.12	-70.74	-73.78	-82.06	885.71	5011.42
						257.4	-630.27	-70.74	-73.78	-82.06	-8609.52	-3407.67
24	56	2.988e+04	1.790e+04	-0.13	0.0	0.0	-1079.71	201.76	-126.65	7.99	1.790e+04	-2.348e+04
		-2.348e+04	-1.470e+04	0.32	0.0	128.7	-1024.86	201.76	-126.65	7.99	1601.98	3203.29
						257.4	-970.00	201.76	-126.65	7.99	-1.470e+04	2.988e+04
24	57	4.306e+04	7400.39	0.20	0.0	0.0	-884.39	-282.41	63.70	-22.00	-8993.86	4.306e+04
		-3.105e+04	-8993.86	-0.37	0.0	128.7	-829.54	-282.41	63.70	-22.00	-796.73	6005.40
						257.4	-774.68	-282.41	63.70	-22.00	7400.39	-3.105e+04
24	58	6157.76	1312.32	0.12	0.0	0.0	-1224.13	-9.91	10.82	68.05	-1473.24	6157.76
		2236.77	-1473.24	-0.11	0.0	128.7	-1169.27	-9.91	10.82	68.05	-80.46	4197.27
						257.4	-1114.42	-9.91	10.82	68.05	1312.32	2236.77
24	59	6.642e+04	5352.66	0.15	0.0	0.0	-420.55	-451.99	46.79	-162.12	-6690.17	6.642e+04
		-4.958e+04	-6690.17	-0.43	0.0	128.7	-365.70	-451.99	46.79	-162.12	-668.76	8423.27
						257.4	-310.84	-451.99	46.79	-162.12	5352.66	-4.958e+04
24	60	5.720e+04	2.122e+04	-0.15	0.0	0.0	-1489.09	436.77	-149.65	129.45	2.122e+04	-5.575e+04
		-5.575e+04	-1.730e+04	0.50	0.0	128.7	-1434.24	436.77	-149.65	129.45	1961.41	724.81
						257.4	-1379.38	436.77	-149.65	129.45	-1.730e+04	5.720e+04
24	61	7.534e+04	1.000e+04	0.22	0.0	0.0	-475.01	-517.42	86.69	-143.46	-1.231e+04	7.534e+04
		-5.837e+04	-1.231e+04	-0.55	0.0	128.7	-420.16	-517.42	86.69	-143.46	-1156.16	8483.88
						257.4	-365.30	-517.42	86.69	-143.46	1.000e+04	-5.837e+04
24	62	4.841e+04	1.560e+04	-0.08	0.0	0.0	-1543.56	371.33	-109.75	148.11	1.560e+04	-4.684e+04
		-4.684e+04	-1.265e+04	0.38	0.0	128.7	-1488.70	371.33	-109.75	148.11	1474.01	785.42
						257.4	-1433.85	371.33	-109.75	148.11	-1.265e+04	4.841e+04
24	63	6.643e+04	5274.99	0.15	0.0	0.0	-426.12	-452.95	46.12	-161.80	-6595.18	6.643e+04
		-4.983e+04	-6595.18	-0.42	0.0	128.7	-371.26	-452.95	46.12	-161.80	-660.09	8304.48
						257.4	-316.41	-452.95	46.12	-161.80	5274.99	-4.983e+04
24	64	5.695e+04	2.132e+04	-0.16	0.0	0.0	-1494.66	435.80	-150.32	129.77	2.132e+04	-5.574e+04
		-5.574e+04	-1.738e+04	0.50	0.0	128.7	-1439.81	435.80	-150.32	129.77	1970.07	606.02
						257.4	-1384.95	435.80	-150.32	129.77	-1.738e+04	5.695e+04
24	65	7.532e+04	1.008e+04	0.22	0.0	0.0	-469.44	-516.46	87.36	-143.78	-1.241e+04	7.532e+04
		-5.812e+04	-1.241e+04	-0.55	0.0	128.7	-414.59	-516.46	87.36	-143.78	-1164.83	8602.67
						257.4	-359.73	-516.46	87.36	-143.78	1.008e+04	-5.812e+04
24	66	4.866e+04	1.550e+04	-0.08	0.0	0.0	-1537.99	372.30	-109.08	147.79	1.550e+04	-4.685e+04
		-4.685e+04	-1.257e+04	0.37	0.0	128.7	-1483.13	372.30	-109.08	147.79	1465.34	904.21
						257.4	-1428.28	372.30	-109.08	147.79	-1.257e+04	4.866e+04

24	67	6.685e+04	4174.36	0.14	0.0	0.0	-388.59	-461.77	36.69	-166.42	-5269.28	
6.685e+04												
		-5.167e+04	-5269.28	-0.40	0.0	128.7	-333.74	-461.77	36.69	-166.42	-547.46	
7587.59												
						257.4	-278.88	-461.77	36.69	-166.42	4174.36	-
5.167e+04												
24	68	5.929e+04	1.980e+04	-0.15	0.0	0.0	-1521.05	446.56	-139.55	133.74	1.980e+04	-
5.617e+04												
		-5.617e+04	-1.612e+04	0.48	0.0	128.7	-1466.19	446.56	-139.55	133.74	1840.11	
1560.49												
						257.4	-1411.34	446.56	-139.55	133.74	-1.612e+04	
5.929e+04												
24	69	7.576e+04	8822.01	0.21	0.0	0.0	-443.06	-527.21	76.59	-147.76	-1.089e+04	
7.576e+04												
		-6.046e+04	-1.089e+04	-0.53	0.0	128.7	-388.20	-527.21	76.59	-147.76	-1034.86	
7648.20												
						257.4	-333.35	-527.21	76.59	-147.76	8822.01	-
6.046e+04												
24	70	5.050e+04	1.418e+04	-0.08	0.0	0.0	-1575.51	381.12	-99.65	152.41	1.418e+04	-
4.726e+04												
		-4.726e+04	-1.147e+04	0.35	0.0	128.7	-1520.66	381.12	-99.65	152.41	1352.71	
1621.10												
						257.4	-1465.80	381.12	-99.65	152.41	-1.147e+04	
5.050e+04												
24	71	6.686e+04	4096.70	0.14	0.0	0.0	-394.16	-462.74	36.02	-166.10	-5174.29	
6.686e+04												
		-5.192e+04	-5174.29	-0.40	0.0	128.7	-339.31	-462.74	36.02	-166.10	-538.79	
7468.80												
						257.4	-284.45	-462.74	36.02	-166.10	4096.70	-
5.192e+04												
24	72	5.904e+04	1.989e+04	-0.15	0.0	0.0	-1526.62	445.59	-140.22	134.07	1.989e+04	-
5.616e+04												
		-5.616e+04	-1.620e+04	0.48	0.0	128.7	-1471.76	445.59	-140.22	134.07	1848.77	
1441.70												
						257.4	-1416.91	445.59	-140.22	134.07	-1.620e+04	
5.904e+04												
24	73	7.575e+04	8899.67	0.22	0.0	0.0	-437.49	-526.24	77.26	-148.08	-1.099e+04	
7.575e+04												
		-6.022e+04	-1.099e+04	-0.53	0.0	128.7	-382.63	-526.24	77.26	-148.08	-1043.53	
7766.99												
						257.4	-327.78	-526.24	77.26	-148.08	8899.67	-
6.022e+04												
24	74	5.075e+04	1.408e+04	-0.07	0.0	0.0	-1569.94	382.09	-98.98	152.08	1.408e+04	-
4.727e+04												
		-4.727e+04	-1.139e+04	0.35	0.0	128.7	-1515.09	382.09	-98.98	152.08	1344.04	
1739.89												
						257.4	-1460.23	382.09	-98.98	152.08	-1.139e+04	
5.075e+04												
24	75	1.264e+04	8748.92	-0.03	0.0	0.0	-774.48	-60.07	-62.16	-68.88	8748.92	
1.264e+04												
		-1664.54	-7251.35	0.03	0.0	128.7	-719.63	-60.07	-62.16	-68.88	748.79	
5488.21												
						257.4	-664.77	-60.07	-62.16	-68.88	-7251.35	-
1664.54												
24	76	2.481e+04	1.567e+04	-0.10	0.0	0.0	-1039.41	160.28	-110.87	3.41	1.567e+04	-
1.765e+04												
		-1.765e+04	-1.287e+04	0.26	0.0	128.7	-984.55	160.28	-110.87	3.41	1400.91	
3580.42												
						257.4	-929.69	160.28	-110.87	3.41	-1.287e+04	
2.481e+04												
24	77	3.724e+04	5570.15	0.17	0.0	0.0	-924.70	-240.94	47.91	-17.42	-6761.48	
3.724e+04												
		-2.598e+04	-6761.48	-0.31	0.0	128.7	-869.85	-240.94	47.91	-17.42	-595.66	
5628.27												
						257.4	-814.99	-240.94	47.91	-17.42	5570.15	-
2.598e+04												
24	78	6947.31	158.78	0.10	0.0	0.0	-1189.62	-20.59	-0.80	54.86	158.78	
6947.31												
		493.64	-45.86	-0.08	0.0	128.7	-1134.77	-20.59	-0.80	54.86	56.46	
3720.47												
						257.4	-1079.91	-20.59	-0.80	54.86	-45.86	493.64
24	79	1.275e+04	9101.02	-0.03	0.0	0.0	-766.56	-62.49	-64.67	-69.94	9101.02	

1.275e+04												
		-2184.09	-7543.32	0.04	0.0	128.7	-711.71	-62.49	-64.67	-69.94	778.85	
5281.07												
						257.4	-656.85	-62.49	-64.67	-69.94	-7543.32	-
2184.09												
24	80	2.533e+04	1.532e+04	-0.10	0.0	0.0	-1047.33	162.71	-108.37	4.48	1.532e+04	-
1.775e+04												
		-1.775e+04	-1.258e+04	0.25	0.0	128.7	-992.47	162.71	-108.37	4.48	1370.85	
3787.56												
						257.4	-937.62	162.71	-108.37	4.48	-1.258e+04	
2.533e+04												
24	81	3.734e+04	5278.18	0.17	0.0	0.0	-916.78	-243.36	45.41	-18.49	-6409.38	
3.734e+04												
		-2.650e+04	-6409.38	-0.31	0.0	128.7	-861.92	-243.36	45.41	-18.49	-565.60	
5421.13												
						257.4	-807.07	-243.36	45.41	-18.49	5278.18	-
2.650e+04												
24	82	6842.04	246.12	0.10	0.0	0.0	-1197.55	-18.16	1.71	55.93	-193.32	
6842.04												
		1013.19	-193.32	-0.09	0.0	128.7	-1142.69	-18.16	1.71	55.93	26.40	
3927.62												
						257.4	-1087.83	-18.16	1.71	55.93	246.12	
1013.19												
24	83	1.267e+04	9010.93	-0.03	0.0	0.0	-789.82	-62.74	-64.01	-67.99	9010.93	
1.267e+04												
		-2347.68	-7465.57	0.04	0.0	128.7	-734.96	-62.74	-64.01	-67.99	772.68	
5160.55												
						257.4	-680.11	-62.74	-64.01	-67.99	-7465.57	-
2347.68												
24	84	2.413e+04	1.593e+04	-0.11	0.0	0.0	-1054.74	157.62	-112.72	4.29	1.593e+04	-
1.762e+04												
		-1.762e+04	-1.308e+04	0.27	0.0	128.7	-999.88	157.62	-112.72	4.29	1424.80	
3252.75												
						257.4	-945.03	157.62	-112.72	4.29	-1.308e+04	
2.413e+04												
24	85	3.721e+04	5784.37	0.17	0.0	0.0	-909.37	-238.27	49.76	-18.31	-7023.48	
3.721e+04												
		-2.530e+04	-7023.48	-0.32	0.0	128.7	-854.51	-238.27	49.76	-18.31	-619.55	
5955.94												
						257.4	-799.66	-238.27	49.76	-18.31	5784.37	-
2.530e+04												
24	86	6919.50	168.37	0.10	0.0	0.0	-1174.29	-17.92	1.06	53.98	-103.23	
6919.50												
		1176.79	-103.23	-0.09	0.0	128.7	-1119.43	-17.92	1.06	53.98	32.57	
4048.14												
						257.4	-1064.58	-17.92	1.06	53.98	168.37	
1176.79												
24	87	1.277e+04	9363.02	-0.03	0.0	0.0	-781.90	-65.16	-66.52	-69.06	9363.02	
1.277e+04												
		-2867.24	-7757.54	0.04	0.0	128.7	-727.04	-65.16	-66.52	-69.06	802.74	
4953.40												
						257.4	-672.18	-65.16	-66.52	-69.06	-7757.54	-
2867.24												
24	88	2.465e+04	1.558e+04	-0.11	0.0	0.0	-1062.66	160.04	-110.22	5.36	1.558e+04	-
1.773e+04												
		-1.773e+04	-1.279e+04	0.26	0.0	128.7	-1007.81	160.04	-110.22	5.36	1394.74	
3459.90												
						257.4	-952.95	160.04	-110.22	5.36	-1.279e+04	
2.465e+04												
24	89	3.731e+04	5492.40	0.17	0.0	0.0	-901.45	-240.70	47.26	-19.37	-6671.39	
3.731e+04												
		-2.582e+04	-6671.39	-0.31	0.0	128.7	-846.59	-240.70	47.26	-19.37	-589.49	
5748.79												
						257.4	-791.73	-240.70	47.26	-19.37	5492.40	-
2.582e+04												
24	90	6814.23	460.34	0.10	0.0	0.0	-1182.21	-15.49	3.56	55.04	-455.32	
6814.23												
		1696.34	-455.32	-0.09	0.0	128.7	-1127.36	-15.49	3.56	55.04	2.51	
4255.29												
						257.4	-1072.50	-15.49	3.56	55.04	460.34	
1696.34												
24	91	5.659e+04	3788.19	0.13	0.0	0.0	-517.99	-380.45	33.19	-135.21	-4753.35	

5.659e+04												
		-4.106e+04	-4753.35	-0.36	0.0	128.7	-463.13	-380.45	33.19	-135.21	-482.58	
7762.99												
						257.4	-408.27	-380.45	33.19	-135.21	3788.19	-
4.106e+04												
24	92	4.719e+04	1.831e+04	-0.12	0.0	0.0	-1401.06	354.06	-129.17	105.76	1.831e+04	-
4.438e+04												
		-4.438e+04	-1.493e+04	0.41	0.0	128.7	-1346.20	354.06	-129.17	105.76	1691.17	
1403.68												
						257.4	-1291.35	354.06	-129.17	105.76	-1.493e+04	
4.719e+04												
24	93	6.397e+04	7634.64	0.19	0.0	0.0	-563.05	-434.71	66.21	-119.77	-9406.47	
6.397e+04												
		-4.836e+04	-9406.47	-0.46	0.0	128.7	-508.19	-434.71	66.21	-119.77	-885.92	
7805.01												
						257.4	-453.34	-434.71	66.21	-119.77	7634.64	-
4.836e+04												
24	94	3.989e+04	1.366e+04	-0.06	0.0	0.0	-1446.12	299.80	-96.15	121.19	1.366e+04	-
3.700e+04												
		-3.700e+04	-1.109e+04	0.31	0.0	128.7	-1391.27	299.80	-96.15	121.19	1287.83	
1445.70												
						257.4	-1336.41	299.80	-96.15	121.19	-1.109e+04	
3.989e+04												
24	95	5.660e+04	3723.92	0.13	0.0	0.0	-522.59	-381.25	32.63	-134.94	-4674.75	
5.660e+04												
		-4.127e+04	-4674.75	-0.36	0.0	128.7	-467.73	-381.25	32.63	-134.94	-475.41	
7664.69												
						257.4	-412.87	-381.25	32.63	-134.94	3723.92	-
4.127e+04												
24	96	4.698e+04	1.839e+04	-0.12	0.0	0.0	-1405.66	353.26	-129.72	106.02	1.839e+04	-
4.437e+04												
		-4.437e+04	-1.500e+04	0.41	0.0	128.7	-1350.80	353.26	-129.72	106.02	1698.33	
1305.38												
						257.4	-1295.95	353.26	-129.72	106.02	-1.500e+04	
4.698e+04												
24	97	6.396e+04	7698.90	0.19	0.0	0.0	-558.45	-433.91	66.76	-120.03	-9485.07	
6.396e+04												
		-4.815e+04	-9485.07	-0.46	0.0	128.7	-503.59	-433.91	66.76	-120.03	-893.08	
7903.31												
						257.4	-448.74	-433.91	66.76	-120.03	7698.90	-
4.815e+04												
24	98	4.010e+04	1.358e+04	-0.06	0.0	0.0	-1441.52	300.60	-95.59	120.93	1.358e+04	-
3.701e+04												
		-3.701e+04	-1.102e+04	0.30	0.0	128.7	-1386.67	300.60	-95.59	120.93	1280.66	
1544.00												
						257.4	-1331.81	300.60	-95.59	120.93	-1.102e+04	
4.010e+04												
24	99	5.694e+04	2814.94	0.12	0.0	0.0	-491.58	-388.54	24.84	-138.76	-3579.70	
5.694e+04												
		-4.279e+04	-3579.70	-0.34	0.0	128.7	-436.72	-388.54	24.84	-138.76	-382.38	
7072.52												
						257.4	-381.87	-388.54	24.84	-138.76	2814.94	-
4.279e+04												
24	100	4.892e+04	1.714e+04	-0.12	0.0	0.0	-1427.46	362.14	-120.83	109.31	1.714e+04	-
4.473e+04												
		-4.473e+04	-1.396e+04	0.39	0.0	128.7	-1372.61	362.14	-120.83	109.31	1590.96	
2094.16												
						257.4	-1317.75	362.14	-120.83	109.31	-1.396e+04	
4.892e+04												
24	101	6.432e+04	6661.39	0.18	0.0	0.0	-536.64	-442.80	57.87	-123.32	-8232.82	
6.432e+04												
		-5.009e+04	-8232.82	-0.44	0.0	128.7	-481.79	-442.80	57.87	-123.32	-785.72	
7114.53												
						257.4	-426.93	-442.80	57.87	-123.32	6661.39	-
5.009e+04												
24	102	4.162e+04	1.249e+04	-0.06	0.0	0.0	-1472.53	307.88	-87.80	124.74	1.249e+04	-
3.735e+04												
		-3.735e+04	-1.011e+04	0.29	0.0	128.7	-1417.67	307.88	-87.80	124.74	1187.63	
2136.17												
						257.4	-1362.82	307.88	-87.80	124.74	-1.011e+04	
4.162e+04												
24	103	5.695e+04	2750.67	0.12	0.0	0.0	-496.18	-389.34	24.29	-138.49	-3501.10	

5.695e+04												
		-4.300e+04	-3501.10	-0.34	0.0	128.7	-441.32	-389.34	24.29	-138.49	-375.21	
6974.22												
						257.4	-386.47	-389.34	24.29	-138.49	2750.67	-
4.300e+04												
24	104	4.871e+04	1.722e+04	-0.12	0.0	0.0	-1432.06	361.34	-121.38	109.57	1.722e+04	-
4.472e+04												
		-4.472e+04	-1.402e+04	0.39	0.0	128.7	-1377.21	361.34	-121.38	109.57	1598.13	
1995.86												
						257.4	-1322.35	361.34	-121.38	109.57	-1.402e+04	
4.871e+04												
24	105	6.431e+04	6725.65	0.18	0.0	0.0	-532.04	-442.00	58.42	-123.59	-8311.42	
6.431e+04												
		-4.988e+04	-8311.42	-0.44	0.0	128.7	-477.19	-442.00	58.42	-123.59	-792.88	
7212.83												
						257.4	-422.33	-442.00	58.42	-123.59	6725.65	-
4.988e+04												
24	106	4.183e+04	1.241e+04	-0.06	0.0	0.0	-1467.93	308.68	-87.25	124.48	1.241e+04	-
3.736e+04												
		-3.736e+04	-1.005e+04	0.28	0.0	128.7	-1413.07	308.68	-87.25	124.48	1180.46	
2234.47												
						257.4	-1358.22	308.68	-87.25	124.48	-1.005e+04	
4.183e+04												
25	1	4174.75	1473.95	6.94e-03	0.0	0.0	-364.35	12.44	-10.14	-6.01	1473.95	973.37
		973.37	-1136.86	-0.02	0.0	128.7	-293.03	12.44	-10.14	-6.01	168.54	
2574.06												
						257.4	-221.72	12.44	-10.14	-6.01	-1136.86	
4174.75												
25	2	1.559e+04	9906.71	0.06	0.0	0.0	-1487.89	24.92	-69.28	-11.69	9906.71	
9172.68												
		9172.68	-7925.78	-0.05	0.0	128.7	-1416.58	24.92	-69.28	-11.69	990.47	
1.238e+04												
						257.4	-1345.27	24.92	-69.28	-11.69	-7925.78	
1.559e+04												
25	3	2995.97	974.67	4.33e-03	0.0	0.0	-259.06	9.33	-6.69	-4.52	974.67	594.01
		594.01	-746.39	-0.01	0.0	128.7	-204.21	9.33	-6.69	-4.52	114.14	
1794.99												
						257.4	-149.35	9.33	-6.69	-4.52	-746.39	
2995.97												
25	4	1.441e+04	9407.43	0.06	0.0	0.0	-1382.61	21.82	-65.83	-10.19	9407.43	
8793.31												
		8793.31	-7535.31	-0.05	0.0	128.7	-1327.75	21.82	-65.83	-10.19	936.06	
1.160e+04												
						257.4	-1272.90	21.82	-65.83	-10.19	-7535.31	
1.441e+04												
25	5	3117.70	1064.62	4.90e-03	0.0	0.0	-271.05	9.47	-7.32	-4.58	1064.62	681.47
		681.47	-818.81	-0.01	0.0	128.7	-216.19	9.47	-7.32	-4.58	122.90	
1899.59												
						257.4	-161.34	9.47	-7.32	-4.58	-818.81	
3117.70												
25	6	1.073e+04	6686.46	0.04	0.0	0.0	-1020.08	17.79	-46.74	-8.36	6686.46	
6147.67												
		6147.67	-5344.75	-0.04	0.0	128.7	-965.22	17.79	-46.74	-8.36	670.85	
8436.92												
						257.4	-910.37	17.79	-46.74	-8.36	-5344.75	
1.073e+04												
25	7	3117.70	1064.62	4.90e-03	0.0	0.0	-271.05	9.47	-7.32	-4.58	1064.62	681.47
		681.47	-818.81	-0.01	0.0	128.7	-216.19	9.47	-7.32	-4.58	122.90	
1899.59												
						257.4	-161.34	9.47	-7.32	-4.58	-818.81	
3117.70												
25	8	8443.63	4999.91	0.03	0.0	0.0	-795.37	15.29	-34.92	-7.23	4999.91	
4507.81												
		4507.81	-3986.97	-0.03	0.0	128.7	-740.51	15.29	-34.92	-7.23	506.47	
6475.72												
						257.4	-685.66	15.29	-34.92	-7.23	-3986.97	
8443.63												
25	9	3117.70	1064.62	4.90e-03	0.0	0.0	-271.05	9.47	-7.32	-4.58	1064.62	681.47
		681.47	-818.81	-0.01	0.0	128.7	-216.19	9.47	-7.32	-4.58	122.90	
1899.59												
						257.4	-161.34	9.47	-7.32	-4.58	-818.81	
3117.70												

25	10	7682.78	4437.72	0.03	0.0	0.0	-720.47	14.46	-30.97	-6.85	4437.72	3961.19
		3961.19	-3534.37	-0.03	0.0	128.7	-665.61	14.46	-30.97	-6.85	451.67	5821.99
						257.4	-610.75	14.46	-30.97	-6.85	-3534.37	7682.78
25	11	8.660e+04	1.102e+04	-0.15	0.0	0.0	-531.39	558.92	-78.03	-101.26	1.102e+04	-5.742e+04
		-5.742e+04	-9063.96	0.06	0.0	128.7	-476.53	558.92	-78.03	-101.26	977.61	1.459e+04
						257.4	-421.67	558.92	-78.03	-101.26	-9063.96	8.660e+04
25	12	4.105e+04	2.156e+04	-0.19	0.0	0.0	-446.88	285.32	-152.29	9.31	2.156e+04	-3.228e+04
		-3.228e+04	-1.764e+04	0.41	0.0	128.7	-392.02	285.32	-152.29	9.31	1962.90	4385.67
						257.4	-337.17	285.32	-152.29	9.31	-1.764e+04	4.105e+04
25	13	4.021e+04	1.057e+04	0.24	0.0	0.0	-994.05	-256.40	90.34	-23.01	-1.269e+04	4.021e+04
		-2.569e+04	-1.269e+04	-0.46	0.0	128.7	-939.20	-256.40	90.34	-23.01	-1059.55	7258.30
						257.4	-884.34	-256.40	90.34	-23.01	1.057e+04	-2.569e+04
25	14	6.534e+04	1995.22	0.20	0.0	0.0	-909.54	-530.00	16.08	87.57	-2143.75	6.534e+04
		-7.123e+04	-2143.75	-0.11	0.0	128.7	-854.69	-530.00	16.08	87.57	-74.26	2947.05
						257.4	-799.83	-530.00	16.08	87.57	1995.22	-7.123e+04
25	15	8.857e+04	1.155e+04	-0.15	0.0	0.0	-542.99	573.19	-81.83	-102.85	1.155e+04	-5.910e+04
		-5.910e+04	-9508.42	0.07	0.0	128.7	-488.13	573.19	-81.83	-102.85	1022.98	1.473e+04
						257.4	-433.27	573.19	-81.83	-102.85	-9508.42	8.857e+04
25	16	3.908e+04	2.103e+04	-0.19	0.0	0.0	-435.28	271.05	-148.48	10.90	2.103e+04	-3.060e+04
		-3.060e+04	-1.719e+04	0.40	0.0	128.7	-380.42	271.05	-148.48	10.90	1917.53	4242.28
						257.4	-325.57	271.05	-148.48	10.90	-1.719e+04	3.908e+04
25	17	3.852e+04	1.012e+04	0.24	0.0	0.0	-1005.65	-242.13	86.54	-24.59	-1.215e+04	3.852e+04
		-2.372e+04	-1.215e+04	-0.45	0.0	128.7	-950.80	-242.13	86.54	-24.59	-1014.19	7401.69
						257.4	-895.94	-242.13	86.54	-24.59	1.012e+04	-2.372e+04
25	18	6.703e+04	2439.67	0.20	0.0	0.0	-897.94	-544.27	19.89	89.15	-2678.93	6.703e+04
		-7.321e+04	-2678.93	-0.12	0.0	128.7	-843.09	-544.27	19.89	89.15	-119.63	3090.44
						257.4	-788.23	-544.27	19.89	89.15	2439.67	-7.321e+04
25	19	8.695e+04	1.144e+04	-0.15	0.0	0.0	-515.62	563.05	-80.99	-99.91	1.144e+04	-5.811e+04
		-5.811e+04	-9407.97	0.07	0.0	128.7	-460.77	563.05	-80.99	-99.91	1015.33	1.442e+04
						257.4	-405.91	563.05	-80.99	-99.91	-9407.97	8.695e+04
25	20	4.141e+04	2.198e+04	-0.19	0.0	0.0	-431.11	289.45	-155.26	10.66	2.198e+04	-3.298e+04
		-3.298e+04	-1.798e+04	0.42	0.0	128.7	-376.26	289.45	-155.26	10.66	2000.61	4215.66
						257.4	-321.40	289.45	-155.26	10.66	-1.798e+04	4.141e+04
25	21	4.090e+04	1.091e+04	0.24	0.0	0.0	-1009.82	-260.53	93.31	-24.36	-1.311e+04	4.090e+04
		-2.604e+04	-1.311e+04	-0.47	0.0	128.7	-954.96	-260.53	93.31	-24.36	-1097.27	7428.32
						257.4	-900.10	-260.53	93.31	-24.36	1.091e+04	-2.604e+04

25	22	6.603e+04	2339.23	0.20	0.0	0.0	-925.31	-534.13	19.05	86.22	-2563.18	6.603e+04
		-7.159e+04	-2563.18	-0.12	0.0	128.7	-870.45	-534.13	19.05	86.22	-111.98	-2777.03
						257.4	-815.60	-534.13	19.05	86.22	2339.23	-7.159e+04
25	23	8.893e+04	1.197e+04	-0.15	0.0	0.0	-527.22	577.32	-84.80	-101.50	1.197e+04	-5.980e+04
		-5.980e+04	-9852.43	0.08	0.0	128.7	-472.37	577.32	-84.80	-101.50	1060.69	1.456e+04
						257.4	-417.51	577.32	-84.80	-101.50	-9852.43	8.893e+04
25	24	3.944e+04	2.145e+04	-0.20	0.0	0.0	-419.51	275.18	-151.45	12.25	2.145e+04	-3.129e+04
		-3.129e+04	-1.754e+04	0.41	0.0	128.7	-364.66	275.18	-151.45	12.25	1955.25	4072.27
						257.4	-309.80	275.18	-151.45	12.25	-1.754e+04	3.944e+04
25	25	3.921e+04	1.047e+04	0.25	0.0	0.0	-1021.42	-246.26	89.50	-25.94	-1.257e+04	3.921e+04
		-2.407e+04	-1.257e+04	-0.46	0.0	128.7	-966.56	-246.26	89.50	-25.94	-1051.90	7571.71
						257.4	-911.70	-246.26	89.50	-25.94	1.047e+04	-2.407e+04
25	26	6.772e+04	2783.68	0.20	0.0	0.0	-913.71	-548.40	22.85	87.80	-3098.37	6.772e+04
		-7.356e+04	-3098.37	-0.13	0.0	128.7	-858.85	-548.40	22.85	87.80	-157.34	-2920.42
						257.4	-804.00	-548.40	22.85	87.80	2783.68	-7.356e+04
25	27	1.004e+05	7807.11	0.04	0.0	0.0	-791.91	592.75	67.54	-202.87	-9576.90	-5.257e+04
		-5.257e+04	-9576.90	-0.53	0.0	128.7	-737.06	592.75	67.54	-202.87	-884.89	2.393e+04
						257.4	-682.20	592.75	67.54	-202.87	7807.11	1.004e+05
25	28	3.121e+04	2.556e+04	-0.10	0.0	0.0	-510.22	-319.24	-180.00	165.70	2.556e+04	3.121e+04
		-5.138e+04	-2.077e+04	0.64	0.0	128.7	-455.36	-319.24	-180.00	165.70	2399.39	-1.009e+04
						257.4	-400.51	-319.24	-180.00	165.70	-2.077e+04	5.138e+04
25	29	6.675e+04	1.370e+04	0.15	0.0	0.0	-930.71	348.15	118.05	-179.40	-1.669e+04	2.328e+04
		-2.328e+04	-1.669e+04	-0.69	0.0	128.7	-875.86	348.15	118.05	-179.40	-1496.04	2.173e+04
						257.4	-821.00	348.15	118.05	-179.40	1.370e+04	6.675e+04
25	30	6.049e+04	1.845e+04	0.04	0.0	0.0	-649.02	-563.83	-129.49	189.18	1.845e+04	6.049e+04
		-8.507e+04	-1.488e+04	0.48	0.0	128.7	-594.16	-563.83	-129.49	189.18	1788.24	-1.229e+04
						257.4	-539.31	-563.83	-129.49	189.18	-1.488e+04	8.507e+04
25	31	1.005e+05	7703.90	0.03	0.0	0.0	-787.18	593.99	66.65	-202.47	-9451.06	-5.278e+04
		-5.278e+04	-9451.06	-0.53	0.0	128.7	-732.33	593.99	66.65	-202.47	-873.58	2.388e+04
						257.4	-677.47	593.99	66.65	-202.47	7703.90	1.005e+05
25	32	3.100e+04	2.569e+04	-0.10	0.0	0.0	-505.49	-318.00	-180.89	166.11	2.569e+04	3.100e+04
		-5.127e+04	-2.087e+04	0.64	0.0	128.7	-450.63	-318.00	-180.89	166.11	2410.71	-1.014e+04
						257.4	-395.78	-318.00	-180.89	166.11	-2.087e+04	5.127e+04
25	33	6.664e+04	1.380e+04	0.15	0.0	0.0	-935.44	346.92	118.94	-179.80	-1.681e+04	2.308e+04
		-2.308e+04	-1.681e+04	-0.69	0.0	128.7	-880.59	346.92	118.94	-179.80	-1507.36	2.178e+04
						257.4	-825.73	346.92	118.94	-179.80	1.380e+04	6.664e+04

25	34	6.070e+04	1.833e+04	0.04	0.0	0.0	-653.75	-565.07	-128.60	188.77	1.833e+04	6.070e+04
		-8.517e+04	-1.477e+04	0.48	0.0	128.7	-598.89	-565.07	-128.60	188.77	1776.93	-1.224e+04
						257.4	-544.03	-565.07	-128.60	188.77	-1.477e+04	8.517e+04
25	35	1.070e+05	6325.59	0.05	0.0	0.0	-830.58	640.32	54.85	-208.16	-7792.95	-5.820e+04
		-5.820e+04	-7792.95	-0.50	0.0	128.7	-775.72	640.32	54.85	-208.16	-733.68	2.441e+04
						257.4	-720.86	640.32	54.85	-208.16	6325.59	1.070e+05
25	36	3.683e+04	2.378e+04	-0.11	0.0	0.0	-471.55	-366.81	-167.31	170.98	2.378e+04	3.683e+04
		-5.796e+04	-1.928e+04	0.61	0.0	128.7	-416.70	-366.81	-167.31	170.98	2248.18	-1.056e+04
						257.4	-361.84	-366.81	-167.31	170.98	-1.928e+04	5.796e+04
25	37	7.333e+04	1.221e+04	0.16	0.0	0.0	-969.38	395.73	105.36	-184.68	-1.490e+04	-2.891e+04
		-2.891e+04	-1.490e+04	-0.66	0.0	128.7	-914.52	395.73	105.36	-184.68	-1344.83	2.221e+04
						257.4	-859.66	395.73	105.36	-184.68	1.221e+04	7.333e+04
25	38	6.612e+04	1.667e+04	0.03	0.0	0.0	-610.35	-611.40	-116.80	194.46	1.667e+04	6.612e+04
		-9.165e+04	-1.339e+04	0.45	0.0	128.7	-555.50	-611.40	-116.80	194.46	1637.03	-1.276e+04
						257.4	-500.64	-611.40	-116.80	194.46	-1.339e+04	9.165e+04
25	39	1.071e+05	6222.39	0.05	0.0	0.0	-825.85	641.56	53.96	-207.75	-7667.12	-5.841e+04
		-5.841e+04	-7667.12	-0.50	0.0	128.7	-770.99	641.56	53.96	-207.75	-722.37	2.436e+04
						257.4	-716.14	641.56	53.96	-207.75	6222.39	1.071e+05
25	40	3.662e+04	2.391e+04	-0.11	0.0	0.0	-466.82	-365.57	-168.20	171.39	2.391e+04	3.662e+04
		-5.786e+04	-1.939e+04	0.61	0.0	128.7	-411.97	-365.57	-168.20	171.39	2259.49	-1.062e+04
						257.4	-357.11	-365.57	-168.20	171.39	-1.939e+04	5.786e+04
25	41	7.322e+04	1.232e+04	0.17	0.0	0.0	-974.11	394.49	106.25	-185.08	-1.503e+04	-2.870e+04
		-2.870e+04	-1.503e+04	-0.66	0.0	128.7	-919.25	394.49	106.25	-185.08	-1356.14	2.226e+04
						257.4	-864.39	394.49	106.25	-185.08	1.232e+04	7.322e+04
25	42	6.633e+04	1.654e+04	0.03	0.0	0.0	-615.08	-612.64	-115.91	194.05	1.654e+04	6.633e+04
		-9.176e+04	-1.329e+04	0.45	0.0	128.7	-560.23	-612.64	-115.91	194.05	1625.72	-1.271e+04
						257.4	-505.37	-612.64	-115.91	194.05	-1.329e+04	9.176e+04
25	43	7.016e+04	9607.07	-0.12	0.0	0.0	-573.22	445.42	-67.93	-81.56	9607.07	-4.461e+04
		-4.461e+04	-7877.98	0.04	0.0	128.7	-518.36	445.42	-67.93	-81.56	864.54	1.277e+04
						257.4	-463.51	445.42	-67.93	-81.56	-7877.98	7.016e+04
25	44	3.408e+04	1.796e+04	-0.14	0.0	0.0	-507.25	228.79	-126.77	6.06	1.796e+04	-2.473e+04
		-2.473e+04	-1.467e+04	0.32	0.0	128.7	-452.39	228.79	-126.77	6.06	1645.17	4676.77
						257.4	-397.54	228.79	-126.77	6.06	-1.467e+04	3.408e+04
25	45	3.265e+04	7599.85	0.20	0.0	0.0	-933.68	-199.87	64.82	-19.76	-9083.50	3.265e+04
		-1.872e+04	-9083.50	-0.37	0.0	128.7	-878.83	-199.87	64.82	-19.76	-741.83	6967.20
						257.4	-823.97	-199.87	64.82	-19.76	7599.85	-1.872e+04

25	46	5.253e+04	809.23	0.16	0.0	0.0	-867.71	-416.50	5.99	67.87	-731.63	5.253e+04
		-5.479e+04	-731.63	-0.09	0.0	128.7	-812.86	-416.50	5.99	67.87	38.80	-1128.51
						257.4	-758.00	-416.50	5.99	67.87	809.23	-5.479e+04
25	47	7.172e+04	1.003e+04	-0.11	0.0	0.0	-582.51	456.74	-70.96	-82.82	1.003e+04	-4.595e+04
		-4.595e+04	-8231.25	0.05	0.0	128.7	-527.65	456.74	-70.96	-82.82	900.59	1.289e+04
						257.4	-472.79	456.74	-70.96	-82.82	-8231.25	7.172e+04
25	48	3.252e+04	1.753e+04	-0.15	0.0	0.0	-497.96	217.47	-123.74	7.32	1.753e+04	-2.339e+04
		-2.339e+04	-1.432e+04	0.31	0.0	128.7	-443.10	217.47	-123.74	7.32	1609.13	-4564.22
						257.4	-388.25	217.47	-123.74	7.32	-1.432e+04	3.252e+04
25	49	3.131e+04	7246.58	0.20	0.0	0.0	-942.97	-188.55	61.79	-21.01	-8658.14	3.131e+04
		-1.715e+04	-8658.14	-0.36	0.0	128.7	-888.12	-188.55	61.79	-21.01	-705.78	7079.76
						257.4	-833.26	-188.55	61.79	-21.01	7246.58	-1.715e+04
25	50	5.387e+04	1162.50	0.16	0.0	0.0	-858.42	-427.82	9.01	69.12	-1156.98	5.387e+04
		-5.636e+04	-1156.98	-0.10	0.0	128.7	-803.57	-427.82	9.01	69.12	2.76	-1241.07
						257.4	-748.71	-427.82	9.01	69.12	1162.50	-5.636e+04
25	51	7.041e+04	9922.55	-0.12	0.0	0.0	-562.06	448.48	-70.16	-80.45	9922.55	-4.513e+04
		-4.513e+04	-8136.34	0.05	0.0	128.7	-507.21	448.48	-70.16	-80.45	893.11	1.264e+04
						257.4	-452.35	448.48	-70.16	-80.45	-8136.34	7.041e+04
25	52	3.433e+04	1.827e+04	-0.15	0.0	0.0	-496.09	231.84	-128.99	7.18	1.827e+04	-2.525e+04
		-2.525e+04	-1.493e+04	0.33	0.0	128.7	-441.24	231.84	-128.99	7.18	1673.73	-4541.19
						257.4	-386.38	231.84	-128.99	7.18	-1.493e+04	3.433e+04
25	53	3.317e+04	7858.21	0.20	0.0	0.0	-944.84	-202.93	67.05	-20.87	-9398.98	3.317e+04
		-1.897e+04	-9398.98	-0.38	0.0	128.7	-889.98	-202.93	67.05	-20.87	-770.39	7102.78
						257.4	-835.13	-202.93	67.05	-20.87	7858.21	-1.897e+04
25	54	5.306e+04	1067.59	0.17	0.0	0.0	-878.87	-419.56	8.22	66.75	-1047.11	5.306e+04
		-5.504e+04	-1047.11	-0.10	0.0	128.7	-824.01	-419.56	8.22	66.75	10.24	-992.93
						257.4	-769.15	-419.56	8.22	66.75	1067.59	-5.504e+04
25	55	7.197e+04	1.035e+04	-0.12	0.0	0.0	-571.35	459.80	-73.19	-81.70	1.035e+04	-4.647e+04
		-4.647e+04	-8489.61	0.06	0.0	128.7	-516.50	459.80	-73.19	-81.70	929.15	1.275e+04
						257.4	-461.64	459.80	-73.19	-81.70	-8489.61	7.197e+04
25	56	3.277e+04	1.785e+04	-0.15	0.0	0.0	-486.80	220.52	-125.97	8.43	1.785e+04	-2.391e+04
		-2.391e+04	-1.457e+04	0.32	0.0	128.7	-431.95	220.52	-125.97	8.43	1637.69	-4428.64
						257.4	-377.09	220.52	-125.97	8.43	-1.457e+04	3.277e+04
25	57	3.183e+04	7504.94	0.20	0.0	0.0	-954.13	-191.61	64.02	-22.13	-8973.62	3.183e+04
		-1.740e+04	-8973.62	-0.37	0.0	128.7	-899.27	-191.61	64.02	-22.13	-734.34	7215.34
						257.4	-844.41	-191.61	64.02	-22.13	7504.94	-1.740e+04

25	58	5.440e+04	1420.86	0.16	0.0	0.0	-869.58	-430.88	11.24	68.01	-1472.47	5.440e+04
		-5.661e+04	-1472.47	-0.11	0.0	128.7	-814.72	-430.88	11.24	68.01	-25.80	-1105.49
						257.4	-759.87	-430.88	11.24	68.01	1420.86	5.661e+04
25	59	8.114e+04	5461.64	0.03	0.0	0.0	-776.35	472.31	47.17	-162.16	-6678.48	-4.077e+04
		-4.077e+04	-6678.48	-0.43	0.0	128.7	-721.49	472.31	47.17	-162.16	-608.42	2.019e+04
						257.4	-666.64	472.31	47.17	-162.16	5461.64	8.114e+04
25	60	2.551e+04	2.116e+04	-0.07	0.0	0.0	-556.44	-249.80	-148.94	129.92	2.116e+04	2.551e+04
		-3.911e+04	-1.717e+04	0.50	0.0	128.7	-501.59	-249.80	-148.94	129.92	1993.68	-6800.08
						257.4	-446.73	-249.80	-148.94	129.92	-1.717e+04	3.911e+04
25	61	5.448e+04	1.010e+04	0.13	0.0	0.0	-884.49	278.72	86.99	-143.62	-1.229e+04	-1.759e+04
		-1.759e+04	-1.229e+04	-0.55	0.0	128.7	-829.63	278.72	86.99	-143.62	-1090.33	1.844e+04
						257.4	-774.78	278.72	86.99	-143.62	1.010e+04	5.448e+04
25	62	4.869e+04	1.555e+04	0.03	0.0	0.0	-664.58	-443.39	-109.11	148.46	1.555e+04	4.869e+04
		-6.577e+04	-1.253e+04	0.38	0.0	128.7	-609.73	-443.39	-109.11	148.46	1511.77	-8541.67
						257.4	-554.87	-443.39	-109.11	148.46	-1.253e+04	6.577e+04
25	63	8.121e+04	5384.13	0.03	0.0	0.0	-773.00	473.22	46.50	-161.82	-6583.83	-4.092e+04
		-4.092e+04	-6583.83	-0.42	0.0	128.7	-718.15	473.22	46.50	-161.82	-599.85	2.014e+04
						257.4	-663.29	473.22	46.50	-161.82	5384.13	8.121e+04
25	64	2.535e+04	2.126e+04	-0.07	0.0	0.0	-553.10	-248.88	-149.61	130.26	2.126e+04	2.535e+04
		-3.904e+04	-1.725e+04	0.50	0.0	128.7	-498.24	-248.88	-149.61	130.26	2002.25	-6840.76
						257.4	-443.39	-248.88	-149.61	130.26	-1.725e+04	3.904e+04
25	65	5.440e+04	1.018e+04	0.13	0.0	0.0	-887.83	277.80	87.66	-143.95	-1.238e+04	-1.743e+04
		-1.743e+04	-1.238e+04	-0.55	0.0	128.7	-832.98	277.80	87.66	-143.95	-1098.90	1.848e+04
						257.4	-778.12	277.80	87.66	-143.95	1.018e+04	5.440e+04
25	66	4.885e+04	1.546e+04	0.04	0.0	0.0	-667.93	-444.30	-108.45	148.13	1.546e+04	4.885e+04
		-6.585e+04	-1.245e+04	0.37	0.0	128.7	-613.07	-444.30	-108.45	148.13	1503.20	-8500.99
						257.4	-558.22	-444.30	-108.45	148.13	-1.245e+04	6.585e+04
25	67	8.636e+04	4284.08	0.04	0.0	0.0	-807.31	510.04	37.08	-166.34	-5260.62	-4.523e+04
		-4.523e+04	-5260.62	-0.40	0.0	128.7	-752.45	510.04	37.08	-166.34	-488.27	2.056e+04
						257.4	-697.60	510.04	37.08	-166.34	4284.08	8.636e+04
25	68	2.998e+04	1.974e+04	-0.08	0.0	0.0	-525.48	-287.53	-138.86	134.11	1.974e+04	2.998e+04
		-4.433e+04	-1.600e+04	0.48	0.0	128.7	-470.63	-287.53	-138.86	134.11	1873.53	-7175.27
						257.4	-415.77	-287.53	-138.86	134.11	-1.600e+04	4.433e+04
25	69	5.969e+04	8927.43	0.14	0.0	0.0	-915.45	316.45	76.91	-147.80	-1.087e+04	-2.206e+04
		-2.206e+04	-1.087e+04	-0.53	0.0	128.7	-860.59	316.45	76.91	-147.80	-970.18	1.882e+04
						257.4	-805.74	316.45	76.91	-147.80	8927.43	5.969e+04

25	70	5.316e+04	1.414e+04	0.03	0.0	0.0	-633.62	-481.12	-99.03	152.65	1.414e+04	
5.316e+04												
		-7.099e+04	-1.135e+04	0.35	0.0	128.7	-578.77	-481.12	-99.03	152.65	1391.62	-
8916.85												
						257.4	-523.91	-481.12	-99.03	152.65	-1.135e+04	-
7.099e+04												
25	71	8.643e+04	4206.57	0.04	0.0	0.0	-803.96	510.95	36.41	-166.01	-5165.97	-
4.539e+04												
		-4.539e+04	-5165.97	-0.40	0.0	128.7	-749.11	510.95	36.41	-166.01	-479.70	
2.052e+04												
						257.4	-694.25	510.95	36.41	-166.01	4206.57	
8.643e+04												
25	72	2.982e+04	1.984e+04	-0.08	0.0	0.0	-522.14	-286.62	-139.52	134.44	1.984e+04	
2.982e+04												
		-4.425e+04	-1.607e+04	0.48	0.0	128.7	-467.28	-286.62	-139.52	134.44	1882.10	-
7215.94												
						257.4	-412.42	-286.62	-139.52	134.44	-1.607e+04	-
4.425e+04												
25	73	5.962e+04	9004.94	0.14	0.0	0.0	-918.80	315.53	77.58	-148.14	-1.096e+04	-
2.190e+04												
		-2.190e+04	-1.096e+04	-0.53	0.0	128.7	-863.94	315.53	77.58	-148.14	-978.75	
1.886e+04												
						257.4	-809.08	315.53	77.58	-148.14	9004.94	
5.962e+04												
25	74	5.331e+04	1.404e+04	0.03	0.0	0.0	-636.97	-482.04	-98.36	152.31	1.404e+04	
5.331e+04												
		-7.107e+04	-1.128e+04	0.35	0.0	128.7	-582.11	-482.04	-98.36	152.31	1383.05	-
8876.18												
						257.4	-527.26	-482.04	-98.36	152.31	-1.128e+04	-
7.107e+04												
25	75	5.933e+04	8720.58	-0.09	0.0	0.0	-598.12	370.76	-61.60	-68.62	8720.58	-
3.620e+04												
		-3.620e+04	-7133.05	0.03	0.0	128.7	-543.27	370.76	-61.60	-68.62	793.77	
1.157e+04												
						257.4	-488.41	370.76	-61.60	-68.62	-7133.05	
5.933e+04												
25	76	2.952e+04	1.562e+04	-0.11	0.0	0.0	-543.51	191.72	-110.22	3.80	1.562e+04	-
1.976e+04												
		-1.976e+04	-1.275e+04	0.26	0.0	128.7	-488.65	191.72	-110.22	3.80	1438.93	
4877.16												
						257.4	-433.80	191.72	-110.22	3.80	-1.275e+04	
2.952e+04												
25	77	2.769e+04	5676.64	0.17	0.0	0.0	-897.42	-162.80	48.27	-17.49	-6747.81	
2.769e+04												
		-1.415e+04	-6747.81	-0.31	0.0	128.7	-842.57	-162.80	48.27	-17.49	-535.58	
6766.82												
						257.4	-787.71	-162.80	48.27	-17.49	5676.64	-
1.415e+04												
25	78	4.412e+04	154.86	0.14	0.0	0.0	-842.81	-341.84	-0.35	54.92	154.86	
4.412e+04												
		-4.397e+04	64.30	-0.08	0.0	128.7	-787.95	-341.84	-0.35	54.92	109.58	76.90
						257.4	-733.10	-341.84	-0.35	54.92	64.30	-
4.397e+04												
25	79	6.063e+04	9071.92	-0.09	0.0	0.0	-605.80	380.12	-64.09	-69.65	9071.92	-
3.730e+04												
		-3.730e+04	-7424.84	0.04	0.0	128.7	-550.94	380.12	-64.09	-69.65	823.54	
1.166e+04												
						257.4	-496.08	380.12	-64.09	-69.65	-7424.84	
6.063e+04												
25	80	2.822e+04	1.527e+04	-0.12	0.0	0.0	-535.83	182.37	-107.72	4.84	1.527e+04	-
1.866e+04												
		-1.866e+04	-1.245e+04	0.25	0.0	128.7	-480.98	182.37	-107.72	4.84	1409.16	
4784.08												
						257.4	-426.12	182.37	-107.72	4.84	-1.245e+04	
2.822e+04												
25	81	2.658e+04	5384.85	0.17	0.0	0.0	-905.10	-153.45	45.77	-18.53	-6396.47	
2.658e+04												
		-1.286e+04	-6396.47	-0.31	0.0	128.7	-850.24	-153.45	45.77	-18.53	-505.81	
6859.90												
						257.4	-795.39	-153.45	45.77	-18.53	5384.85	-
1.286e+04												
25	82	4.523e+04	356.09	0.14	0.0	0.0	-835.13	-351.20	2.15	55.96	-196.48	

4.523e+04												
		-4.526e+04	-196.48	-0.09	0.0	128.7	-780.28	-351.20	2.15	55.96	79.81	-16.18
						257.4	-725.42	-351.20	2.15	55.96	356.09	-
4.526e+04												
	25	83 5.954e+04	8981.62	-0.09	0.0	0.0	-588.84	373.29	-63.44	-67.70	8981.62	-
3.663e+04												
		-3.663e+04	-7346.84	0.04	0.0	128.7	-533.99	373.29	-63.44	-67.70	817.39	
1.145e+04												
						257.4	-479.13	373.29	-63.44	-67.70	-7346.84	
5.954e+04												
	25	84 2.973e+04	1.588e+04	-0.12	0.0	0.0	-534.23	194.24	-112.06	4.72	1.588e+04	-
2.020e+04												
		-2.020e+04	-1.296e+04	0.27	0.0	128.7	-479.37	194.24	-112.06	4.72	1462.55	
4764.66												
						257.4	-424.52	194.24	-112.06	4.72	-1.296e+04	
2.973e+04												
	25	85 2.812e+04	5890.44	0.17	0.0	0.0	-906.70	-165.33	50.12	-18.41	-7008.85	
2.812e+04												
		-1.436e+04	-7008.85	-0.32	0.0	128.7	-851.84	-165.33	50.12	-18.41	-559.21	
6879.32												
						257.4	-796.99	-165.33	50.12	-18.41	5890.44	-
1.436e+04												
	25	86 4.455e+04	278.10	0.14	0.0	0.0	-852.09	-344.37	1.49	54.00	-106.18	
4.455e+04												
		-4.417e+04	-106.18	-0.09	0.0	128.7	-797.23	-344.37	1.49	54.00	85.96	189.40
						257.4	-742.37	-344.37	1.49	54.00	278.10	-
4.417e+04												
	25	87 6.083e+04	9332.96	-0.09	0.0	0.0	-596.52	382.64	-65.94	-68.74	9332.96	-
3.774e+04												
		-3.774e+04	-7638.64	0.04	0.0	128.7	-541.66	382.64	-65.94	-68.74	847.16	
1.155e+04												
						257.4	-486.81	382.64	-65.94	-68.74	-7638.64	
6.083e+04												
	25	88 2.843e+04	1.553e+04	-0.12	0.0	0.0	-526.56	184.89	-109.56	5.75	1.553e+04	-
1.909e+04												
		-1.909e+04	-1.267e+04	0.26	0.0	128.7	-471.70	184.89	-109.56	5.75	1432.78	
4671.57												
						257.4	-416.84	184.89	-109.56	5.75	-1.267e+04	
2.843e+04												
	25	89 2.701e+04	5598.65	0.17	0.0	0.0	-914.37	-155.97	47.62	-19.45	-6657.51	
2.701e+04												
		-1.307e+04	-6657.51	-0.31	0.0	128.7	-859.52	-155.97	47.62	-19.45	-529.43	
6972.40												
						257.4	-804.66	-155.97	47.62	-19.45	5598.65	-
1.307e+04												
	25	90 4.566e+04	569.89	0.14	0.0	0.0	-844.41	-353.72	3.99	55.04	-457.52	
4.566e+04												
		-4.547e+04	-457.52	-0.09	0.0	128.7	-789.56	-353.72	3.99	55.04	56.18	96.32
						257.4	-734.70	-353.72	3.99	55.04	569.89	-
4.547e+04												
	25	91 6.840e+04	3898.08	0.03	0.0	0.0	-766.59	392.90	33.59	-135.21	-4746.47	-
3.301e+04												
		-3.301e+04	-4746.47	-0.36	0.0	128.7	-711.74	392.90	33.59	-135.21	-424.20	
1.769e+04												
						257.4	-656.88	392.90	33.59	-135.21	3898.08	
6.840e+04												
	25	92 2.177e+04	1.826e+04	-0.06	0.0	0.0	-584.55	-203.91	-128.49	106.17	1.826e+04	
2.177e+04												
		-3.099e+04	-1.481e+04	0.41	0.0	128.7	-529.69	-203.91	-128.49	106.17	1726.35	-
4607.83												
						257.4	-474.83	-203.91	-128.49	106.17	-1.481e+04	-
3.099e+04												
	25	93 4.635e+04	7740.98	0.11	0.0	0.0	-856.38	232.83	66.55	-119.87	-9386.99	-
1.385e+04												
		-1.385e+04	-9386.99	-0.46	0.0	128.7	-801.53	232.83	66.55	-119.87	-823.00	
1.625e+04												
						257.4	-746.67	232.83	66.55	-119.87	7740.98	
4.635e+04												
	25	94 4.093e+04	1.362e+04	0.03	0.0	0.0	-674.34	-363.98	-95.53	121.51	1.362e+04	
4.093e+04												
		-5.303e+04	-1.097e+04	0.31	0.0	128.7	-619.48	-363.98	-95.53	121.51	1327.55	-
6047.91												

						257.4	-564.62	-363.98	-95.53	121.51	-1.097e+04		-5.303e+04
25	95	6.846e+04	3833.94	0.03	0.0	0.0	-763.81	393.65	33.03	-134.93	-4668.16		-3.314e+04
		-3.314e+04	-4668.16	-0.36	0.0	128.7	-708.95	393.65	33.03	-134.93	-417.11		1.766e+04
						257.4	-654.10	393.65	33.03	-134.93	3833.94		6.846e+04
25	96	2.164e+04	1.834e+04	-0.06	0.0	0.0	-581.76	-203.15	-129.05	106.45	1.834e+04		2.164e+04
		-3.092e+04	-1.487e+04	0.41	0.0	128.7	-526.91	-203.15	-129.05	106.45	1733.44		-4641.58
						257.4	-472.05	-203.15	-129.05	106.45	-1.487e+04		-3.092e+04
25	97	4.629e+04	7805.12	0.11	0.0	0.0	-859.17	232.07	67.10	-120.15	-9465.30		-1.372e+04
		-1.372e+04	-9465.30	-0.46	0.0	128.7	-804.31	232.07	67.10	-120.15	-830.09		1.629e+04
						257.4	-749.46	232.07	67.10	-120.15	7805.12		4.629e+04
25	98	4.106e+04	1.354e+04	0.03	0.0	0.0	-677.12	-364.74	-94.98	121.23	1.354e+04		4.106e+04
		-5.309e+04	-1.090e+04	0.30	0.0	128.7	-622.26	-364.74	-94.98	121.23	1320.46		-6014.16
						257.4	-567.41	-364.74	-94.98	121.23	-1.090e+04		-5.309e+04
25	99	7.271e+04	2925.44	0.04	0.0	0.0	-792.17	424.08	25.26	-138.67	-3575.33		-3.670e+04
		-3.670e+04	-3575.33	-0.34	0.0	128.7	-737.32	424.08	25.26	-138.67	-324.95		1.800e+04
						257.4	-682.46	424.08	25.26	-138.67	2925.44		7.271e+04
25	100	2.546e+04	1.709e+04	-0.06	0.0	0.0	-558.97	-235.09	-120.16	109.63	1.709e+04		2.546e+04
		-3.530e+04	-1.384e+04	0.39	0.0	128.7	-504.11	-235.09	-120.16	109.63	1627.10		-4918.11
						257.4	-449.25	-235.09	-120.16	109.63	-1.384e+04		-3.530e+04
25	101	5.066e+04	6768.34	0.12	0.0	0.0	-881.96	264.01	58.22	-123.33	-8215.85		-1.754e+04
		-1.754e+04	-8215.85	-0.44	0.0	128.7	-827.11	264.01	58.22	-123.33	-723.75		1.656e+04
						257.4	-772.25	264.01	58.22	-123.33	6768.34		5.066e+04
25	102	4.463e+04	1.245e+04	0.03	0.0	0.0	-648.76	-395.16	-87.20	124.97	1.245e+04		4.463e+04
		-5.734e+04	-9994.18	0.29	0.0	128.7	-593.90	-395.16	-87.20	124.97	1228.30		-6358.19
						257.4	-539.04	-395.16	-87.20	124.97	-9994.18		-5.734e+04
25	103	7.277e+04	2861.30	0.04	0.0	0.0	-789.39	424.84	24.70	-138.39	-3497.02		-3.683e+04
		-3.683e+04	-3497.02	-0.34	0.0	128.7	-734.54	424.84	24.70	-138.39	-317.86		1.797e+04
						257.4	-679.68	424.84	24.70	-138.39	2861.30		7.277e+04
25	104	2.533e+04	1.717e+04	-0.06	0.0	0.0	-556.18	-234.33	-120.72	109.91	1.717e+04		2.533e+04
		-3.523e+04	-1.390e+04	0.39	0.0	128.7	-501.33	-234.33	-120.72	109.91	1634.19		-4951.86
						257.4	-446.47	-234.33	-120.72	109.91	-1.390e+04		-3.523e+04
25	105	5.060e+04	6832.48	0.12	0.0	0.0	-884.75	263.25	58.77	-123.61	-8294.16		-1.741e+04
		-1.741e+04	-8294.16	-0.44	0.0	128.7	-829.89	263.25	58.77	-123.61	-730.84		1.660e+04
						257.4	-775.04	263.25	58.77	-123.61	6832.48		5.060e+04
25	106	4.476e+04	1.237e+04	0.03	0.0	0.0	-651.54	-395.92	-86.65	124.69	1.237e+04		4.476e+04
		-5.740e+04	-9930.04	0.28	0.0	128.7	-596.68	-395.92	-86.65	124.69	1221.21		-6324.44

						257.4	-541.83	-395.92	-86.65	124.69	-9930.04	-	5.740e+04
31	1	-904.24	253.82	3.34e-03	0.0	0.0	-333.16	-3.16	-2.20	-1.54	253.82	-	904.24
		-1658.73	-271.67	-0.03	0.0	119.5	-266.94	-3.16	-2.20	-1.54	-8.93	-	1281.49
						239.0	-200.72	-3.16	-2.20	-1.54	-271.67	-	1658.73
31	2	-4505.41	4106.02	0.02	0.0	0.0	-1615.17	-56.63	-37.05	-2.85	4106.02	-	4505.41
		-1.804e+04	-4749.54	-0.09	0.0	119.5	-1548.95	-56.63	-37.05	-2.85	-321.76	-	1.127e+04
						239.0	-1482.73	-56.63	-37.05	-2.85	-4749.54	-	1.804e+04
31	3	-627.61	122.55	2.29e-03	0.0	0.0	-232.08	-1.42	-1.03	-1.16	122.55	-	627.61
		-966.79	-124.47	-0.02	0.0	119.5	-181.14	-1.42	-1.03	-1.16	-0.96	-	797.20
						239.0	-130.21	-1.42	-1.03	-1.16	-124.47	-	966.79
31	4	-4228.78	3974.75	0.02	0.0	0.0	-1514.09	-54.90	-35.89	-2.47	3974.75	-	4228.78
		-1.735e+04	-4602.34	-0.09	0.0	119.5	-1463.16	-54.90	-35.89	-2.47	-313.80	-	1.079e+04
						239.0	-1412.22	-54.90	-35.89	-2.47	-4602.34	-	1.735e+04
31	5	-666.02	163.64	2.45e-03	0.0	0.0	-245.76	-1.99	-1.41	-1.17	163.64	-	666.02
		-1141.53	-172.24	-0.02	0.0	119.5	-194.82	-1.99	-1.41	-1.17	-4.30	-	903.78
						239.0	-143.88	-1.99	-1.41	-1.17	-172.24	-	1141.53
31	6	-3066.80	2731.77	0.01	0.0	0.0	-1100.43	-37.64	-24.64	-2.05	2731.77	-	3066.80
		-1.206e+04	-3157.48	-0.06	0.0	119.5	-1049.49	-37.64	-24.64	-2.05	-212.85	-	7564.88
						239.0	-998.56	-37.64	-24.64	-2.05	-3157.48	-	1.206e+04
31	7	-666.02	163.64	2.45e-03	0.0	0.0	-245.76	-1.99	-1.41	-1.17	163.64	-	666.02
		-1141.53	-172.24	-0.02	0.0	119.5	-194.82	-1.99	-1.41	-1.17	-4.30	-	903.78
						239.0	-143.88	-1.99	-1.41	-1.17	-172.24	-	1141.53
31	8	-2346.57	1961.33	1.00e-02	0.0	0.0	-844.03	-26.95	-17.67	-1.79	1961.33	-	2346.57
		-8786.52	-2261.91	-0.05	0.0	119.5	-793.09	-26.95	-17.67	-1.79	-150.29	-	5566.55
						239.0	-742.15	-26.95	-17.67	-1.79	-2261.91	-	8786.52
31	9	-666.02	163.64	2.45e-03	0.0	0.0	-245.76	-1.99	-1.41	-1.17	163.64	-	666.02
		-1141.53	-172.24	-0.02	0.0	119.5	-194.82	-1.99	-1.41	-1.17	-4.30	-	903.78
						239.0	-143.88	-1.99	-1.41	-1.17	-172.24	-	1141.53
31	10	-2106.49	1704.52	8.91e-03	0.0	0.0	-758.56	-23.38	-15.35	-1.70	1704.52	-	2106.49
		-7694.38	-1963.38	-0.05	0.0	119.5	-707.62	-23.38	-15.35	-1.70	-129.43	-	4900.44
						239.0	-656.69	-23.38	-15.35	-1.70	-1963.38	-	7694.38
31	11	2.597e+04	1.758e+04	-0.08	0.0	0.0	355.91	101.81	134.94	-36.29	-1.468e+04		1696.09
		1696.09	-1.468e+04	-0.21	0.0	119.5	406.85	101.81	134.94	-36.29	1450.51		1.383e+04
						239.0	457.79	101.81	134.94	-36.29	1.758e+04		2.597e+04
31	12	3.530e+04	6519.65	-0.10	0.0	0.0	714.55	135.81	49.94	3.60	-5415.29		3154.31
		3154.31	-5415.29	0.30	0.0	119.5	765.49	135.81	49.94	3.60	552.18		1.923e+04

						239.0	816.43	135.81	49.94	3.60	6519.65	
3.530e+04												
31	13	-7367.29	8824.32	0.11	0.0	0.0	-2231.67	-182.57	-80.63	-6.99	8824.32	-
7367.29												
		-5.069e+04	-1.045e+04	-0.40	0.0	119.5	-2180.74	-182.57	-80.63	-6.99	-811.05	-
2.903e+04												
						239.0	-2129.80	-182.57	-80.63	-6.99	-1.045e+04	-
5.069e+04												
31	14	-5909.07	1.808e+04	0.09	0.0	0.0	-1873.03	-148.57	-165.64	32.90	1.808e+04	-
5909.07												
		-4.136e+04	-2.150e+04	0.11	0.0	119.5	-1822.09	-148.57	-165.64	32.90	-1709.38	-
2.363e+04												
						239.0	-1771.16	-148.57	-165.64	32.90	-2.150e+04	-
4.136e+04												
31	15	2.436e+04	1.928e+04	-0.08	0.0	0.0	776.69	95.64	148.13	-35.84	-1.612e+04	
3258.03												
		3258.03	-1.612e+04	-0.21	0.0	119.5	827.63	95.64	148.13	-35.84	1582.10	
1.381e+04												
						239.0	878.56	95.64	148.13	-35.84	1.928e+04	
2.436e+04												
31	16	3.691e+04	4812.64	-0.10	0.0	0.0	293.78	141.98	36.75	3.15	-3971.44	
1592.38												
		1592.38	-3971.44	0.30	0.0	119.5	344.71	141.98	36.75	3.15	420.60	
1.925e+04												
						239.0	395.65	141.98	36.75	3.15	4812.64	
3.691e+04												
31	17	-5805.36	7380.48	0.12	0.0	0.0	-1810.90	-188.74	-67.45	-6.54	7380.48	-
5805.36												
		-5.230e+04	-8739.40	-0.40	0.0	119.5	-1759.96	-188.74	-67.45	-6.54	-679.46	-
2.905e+04												
						239.0	-1709.02	-188.74	-67.45	-6.54	-8739.40	-
5.230e+04												
31	18	-7471.01	1.953e+04	0.09	0.0	0.0	-2293.81	-142.40	-178.82	32.44	1.953e+04	-
7471.01												
		-3.975e+04	-2.321e+04	0.11	0.0	119.5	-2242.87	-142.40	-178.82	32.44	-1840.96	-
2.361e+04												
						239.0	-2191.93	-142.40	-178.82	32.44	-2.321e+04	-
3.975e+04												
31	19	2.885e+04	1.829e+04	-0.08	0.0	0.0	464.47	112.52	140.30	-33.68	-1.524e+04	
2005.77												
		2005.77	-1.524e+04	-0.21	0.0	119.5	515.41	112.52	140.30	-33.68	1521.74	
1.543e+04												
						239.0	566.34	112.52	140.30	-33.68	1.829e+04	
2.885e+04												
31	20	3.819e+04	7230.64	-0.10	0.0	0.0	823.11	146.53	55.29	6.21	-5983.83	
3463.99												
		3463.99	-5983.83	0.30	0.0	119.5	874.05	146.53	55.29	6.21	623.40	
2.083e+04												
						239.0	924.99	146.53	55.29	6.21	7230.64	
3.819e+04												
31	21	-7676.98	9392.87	0.12	0.0	0.0	-2340.23	-193.29	-85.98	-9.60	9392.87	-
7676.98												
		-5.358e+04	-1.116e+04	-0.39	0.0	119.5	-2289.30	-193.29	-85.98	-9.60	-882.27	-
3.063e+04												
						239.0	-2238.36	-193.29	-85.98	-9.60	-1.116e+04	-
5.358e+04												
31	22	-6218.76	1.865e+04	0.10	0.0	0.0	-1981.59	-159.28	-170.99	30.29	1.865e+04	-
6218.76												
		-4.424e+04	-2.221e+04	0.11	0.0	119.5	-1930.65	-159.28	-170.99	30.29	-1780.60	-
2.523e+04												
						239.0	-1879.72	-159.28	-170.99	30.29	-2.221e+04	-
4.424e+04												
31	23	2.724e+04	1.999e+04	-0.08	0.0	0.0	885.25	106.35	153.48	-33.23	-1.669e+04	
3567.71												
		3567.71	-1.669e+04	-0.21	0.0	119.5	936.18	106.35	153.48	-33.23	1653.32	
1.541e+04												
						239.0	987.12	106.35	153.48	-33.23	1.999e+04	
2.724e+04												
31	24	3.980e+04	5523.63	-0.11	0.0	0.0	402.34	152.70	42.11	5.75	-4539.99	
1902.06												
		1902.06	-4539.99	0.30	0.0	119.5	453.27	152.70	42.11	5.75	491.82	
2.085e+04												

						239.0	504.21	152.70	42.11	5.75	5523.63		
3.980e+04													
31	25	-6115.04	7949.03	0.12	0.0	0.0	-1919.46	-199.46	-72.80	-9.15	7949.03		-
6115.04													
		-5.519e+04	-9450.39	-0.39	0.0	119.5	-1868.52	-199.46	-72.80	-9.15	-750.68		-
3.065e+04													
						239.0	-1817.58	-199.46	-72.80	-9.15	-9450.39		-
5.519e+04													
31	26	-7780.69	2.010e+04	0.10	0.0	0.0	-2402.37	-153.11	-184.18	29.84	2.010e+04		-
7780.69													
		-4.263e+04	-2.392e+04	0.11	0.0	119.5	-2351.43	-153.11	-184.18	29.84	-1912.18		-
2.521e+04													
						239.0	-2300.49	-153.11	-184.18	29.84	-2.392e+04		-
4.263e+04													
31	27	-3177.35	2.067e+04	0.02	0.0	0.0	-968.16	-37.40	158.67	-72.57	-1.725e+04		-
3177.35													
		-1.175e+04	-1.725e+04	-0.86	0.0	119.5	-917.22	-37.40	158.67	-72.57	1707.02		-
7465.55													
						239.0	-866.29	-37.40	158.67	-72.57	2.067e+04		-
1.175e+04													
31	28	1.936e+04	1.361e+04	-0.06	0.0	0.0	227.32	75.96	-124.69	60.39	1.361e+04		
1683.38													
		1683.38	-1.619e+04	0.82	0.0	119.5	278.25	75.96	-124.69	60.39	-1287.42		
1.052e+04													
						239.0	329.19	75.96	-124.69	60.39	-1.619e+04		
1.936e+04													
31	29	-5896.37	1.226e+04	0.07	0.0	0.0	-1744.44	-122.72	94.00	-63.78	-1.020e+04		-
5896.37													
		-3.475e+04	-1.020e+04	-0.92	0.0	119.5	-1693.50	-122.72	94.00	-63.78	1028.55		-
2.032e+04													
						239.0	-1642.56	-122.72	94.00	-63.78	1.226e+04		-
3.475e+04													
31	30	-1035.63	2.066e+04	2.35e-03	0.0	0.0	-548.96	-9.36	-189.36	69.18	2.066e+04		-
1035.63													
		-3635.02	-2.460e+04	0.77	0.0	119.5	-498.02	-9.36	-189.36	69.18	-1965.89		-
2335.32													
						239.0	-447.09	-9.36	-189.36	69.18	-2.460e+04		-
3635.02													
31	31	-3084.45	2.088e+04	0.01	0.0	0.0	-935.59	-34.19	160.27	-71.79	-1.743e+04		-
3084.45													
		-1.089e+04	-1.743e+04	-0.86	0.0	119.5	-884.66	-34.19	160.27	-71.79	1728.39		-
6986.60													
						239.0	-833.72	-34.19	160.27	-71.79	2.088e+04		-
1.089e+04													
31	32	2.023e+04	1.344e+04	-0.06	0.0	0.0	259.88	79.17	-123.08	61.17	1.344e+04		
1776.29													
		1776.29	-1.598e+04	0.82	0.0	119.5	310.82	79.17	-123.08	61.17	-1266.05		
1.100e+04													
						239.0	361.76	79.17	-123.08	61.17	-1.598e+04		
2.023e+04													
31	33	-5989.27	1.205e+04	0.07	0.0	0.0	-1777.00	-125.93	92.39	-64.57	-1.003e+04		-
5989.27													
		-3.562e+04	-1.003e+04	-0.92	0.0	119.5	-1726.07	-125.93	92.39	-64.57	1007.19		-
2.080e+04													
						239.0	-1675.13	-125.93	92.39	-64.57	1.205e+04		-
3.562e+04													
31	34	-1128.54	2.083e+04	3.33e-03	0.0	0.0	-581.53	-12.57	-190.97	68.40	2.083e+04		-
1128.54													
		-4500.02	-2.481e+04	0.77	0.0	119.5	-530.59	-12.57	-190.97	68.40	-1987.25		-
2814.28													
						239.0	-479.65	-12.57	-190.97	68.40	-2.481e+04		-
4500.02													
31	35	2029.10	2.636e+04	0.02	0.0	0.0	434.43	-57.96	202.62	-71.07	-2.207e+04		
2029.10													
		-1.712e+04	-2.207e+04	-0.86	0.0	119.5	485.37	-57.96	202.62	-71.07	2145.63		-
7545.31													
						239.0	536.31	-57.96	202.62	-71.07	2.636e+04		-
1.712e+04													
31	36	2.473e+04	1.843e+04	-0.06	0.0	0.0	-1175.28	96.51	-168.64	58.88	1.843e+04		-
3523.07													
		-3523.07	-2.188e+04	0.83	0.0	119.5	-1124.34	96.51	-168.64	58.88	-1726.03		
1.060e+04													

						239.0	-1073.40	96.51	-168.64	58.88	-2.188e+04		2.473e+04
31	37	-689.92	1.795e+04	0.08	0.0	0.0	-341.85	-143.27	137.95	-62.28	-1.502e+04	-	689.92
		-4.012e+04	-1.502e+04	-0.92	0.0	119.5	-290.91	-143.27	137.95	-62.28	1467.17	-	2.040e+04
						239.0	-239.97	-143.27	137.95	-62.28	1.795e+04	-	4.012e+04
31	38	1730.96	2.548e+04	-5.94e-03	0.0	0.0	-1951.55	11.20	-233.31	67.67	2.548e+04	-	6242.08
		-6242.08	-3.029e+04	0.77	0.0	119.5	-1900.61	11.20	-233.31	67.67	-2404.50	-	2255.56
						239.0	-1849.68	11.20	-233.31	67.67	-3.029e+04		1730.96
31	39	2122.00	2.657e+04	0.02	0.0	0.0	467.00	-54.74	204.22	-70.29	-2.224e+04		2122.00
		-1.625e+04	-2.224e+04	-0.86	0.0	119.5	517.94	-54.74	204.22	-70.29	2167.00	-	7066.36
						239.0	568.87	-54.74	204.22	-70.29	2.657e+04	-	1.625e+04
31	40	2.559e+04	1.826e+04	-0.06	0.0	0.0	-1142.71	99.73	-167.03	59.66	1.826e+04	-	3430.16
		-3430.16	-2.167e+04	0.82	0.0	119.5	-1091.77	99.73	-167.03	59.66	-1704.66		1.108e+04
						239.0	-1040.83	99.73	-167.03	59.66	-2.167e+04		2.559e+04
31	41	-782.82	1.774e+04	0.08	0.0	0.0	-374.41	-146.49	136.34	-63.06	-1.485e+04	-	782.82
		-4.098e+04	-1.485e+04	-0.92	0.0	119.5	-323.48	-146.49	136.34	-63.06	1445.80	-	2.088e+04
						239.0	-272.54	-146.49	136.34	-63.06	1.774e+04	-	4.098e+04
31	42	865.95	2.565e+04	-5.29e-03	0.0	0.0	-1984.12	7.98	-234.92	66.89	2.565e+04	-	6334.99
		-6334.99	-3.050e+04	0.77	0.0	119.5	-1933.18	7.98	-234.92	66.89	-2425.86	-	2734.52
						239.0	-1882.24	7.98	-234.92	66.89	-3.050e+04	865.95	
31	43	1.900e+04	1.345e+04	-0.06	0.0	0.0	125.50	75.83	103.17	-28.92	-1.121e+04	908.47	
		908.47	-1.121e+04	-0.17	0.0	119.5	176.44	75.83	103.17	-28.92	1118.54		9955.29
						239.0	227.37	75.83	103.17	-28.92	1.345e+04		1.900e+04
31	44	2.635e+04	4713.17	-0.08	0.0	0.0	402.28	102.68	36.03	2.66	-3899.05		2016.70
		2016.70	-3899.05	0.23	0.0	119.5	453.22	102.68	36.03	2.66	407.06		1.418e+04
						239.0	504.16	102.68	36.03	2.66	4713.17		2.635e+04
31	45	-6229.68	7308.08	0.09	0.0	0.0	-1919.40	-149.45	-66.73	-6.06	7308.08	-	6229.68
		-4.174e+04	-8639.93	-0.32	0.0	119.5	-1868.47	-149.45	-66.73	-6.06	-665.92	-	2.398e+04
						239.0	-1817.53	-149.45	-66.73	-6.06	-8639.93	-	4.174e+04
31	46	-5121.45	1.462e+04	0.08	0.0	0.0	-1642.62	-122.59	-133.86	25.52	1.462e+04	-	5121.45
		-3.439e+04	-1.737e+04	0.08	0.0	119.5	-1591.68	-122.59	-133.86	25.52	-1377.40	-	1.976e+04
						239.0	-1540.75	-122.59	-133.86	25.52	-1.737e+04	-	3.439e+04
31	47	1.772e+04	1.480e+04	-0.06	0.0	0.0	452.49	70.93	113.65	-28.56	-1.236e+04		2101.95
		2101.95	-1.236e+04	-0.17	0.0	119.5	503.43	70.93	113.65	-28.56	1222.68		9910.44
						239.0	554.37	70.93	113.65	-28.56	1.480e+04		1.772e+04
31	48	2.763e+04	3356.31	-0.08	0.0	0.0	75.29	107.59	25.55	2.30	-2750.47	823.22	
		823.22	-2750.47	0.23	0.0	119.5	126.23	107.59	25.55	2.30	302.92		1.423e+04
						239.0	177.17	107.59	25.55	2.30	3356.31		2.763e+04
31	49	-5036.20	6159.50	0.09	0.0	0.0	-1592.41	-154.35	-56.24	-5.70	6159.50	-	

5036.20												
		-4.302e+04	-7283.07	-0.32	0.0	119.5	-1541.47	-154.35	-56.24	-5.70	-561.78	-
2.403e+04												
						239.0	-1490.54	-154.35	-56.24	-5.70	-7283.07	-
4.302e+04												
	31	50 -6314.93	1.577e+04	0.07	0.0	0.0	-1969.61	-117.69	-144.35	25.17	1.577e+04	-
6314.93												
		-3.311e+04	-1.873e+04	0.08	0.0	119.5	-1918.67	-117.69	-144.35	25.17	-1481.54	-
1.971e+04												
						239.0	-1867.74	-117.69	-144.35	25.17	-1.873e+04	-
3.311e+04												
	31	51 2.129e+04	1.400e+04	-0.06	0.0	0.0	210.93	84.33	107.32	-26.82	-1.165e+04	
1153.39												
		1153.39	-1.165e+04	-0.18	0.0	119.5	261.87	84.33	107.32	-26.82	1174.08	
1.122e+04												
						239.0	312.81	84.33	107.32	-26.82	1.400e+04	
2.129e+04												
	31	52 2.863e+04	5264.77	-0.08	0.0	0.0	487.71	111.18	40.19	4.77	-4339.56	
2261.62												
		2261.62	-4339.56	0.23	0.0	119.5	538.65	111.18	40.19	4.77	462.60	
1.545e+04												
						239.0	589.59	111.18	40.19	4.77	5264.77	
2.863e+04												
	31	53 -6474.61	7748.60	0.09	0.0	0.0	-2004.83	-157.94	-70.88	-8.16	7748.60	-
6474.61												
		-4.402e+04	-9191.53	-0.32	0.0	119.5	-1953.90	-157.94	-70.88	-8.16	-721.47	-
2.525e+04												
						239.0	-1902.96	-157.94	-70.88	-8.16	-9191.53	-
4.402e+04												
	31	54 -5366.37	1.506e+04	0.08	0.0	0.0	-1728.05	-131.09	-138.01	23.42	1.506e+04	-
5366.37												
		-3.668e+04	-1.793e+04	0.08	0.0	119.5	-1677.11	-131.09	-138.01	23.42	-1432.95	-
2.102e+04												
						239.0	-1626.18	-131.09	-138.01	23.42	-1.793e+04	-
3.668e+04												
	31	55 2.000e+04	1.536e+04	-0.06	0.0	0.0	537.92	79.42	117.80	-26.46	-1.280e+04	
2346.87												
		2346.87	-1.280e+04	-0.18	0.0	119.5	588.86	79.42	117.80	-26.46	1278.22	
1.118e+04												
						239.0	639.80	79.42	117.80	-26.46	1.536e+04	
2.000e+04												
	31	56 2.992e+04	3907.91	-0.08	0.0	0.0	160.72	116.08	29.70	4.41	-3190.98	
1068.14												
		1068.14	-3190.98	0.23	0.0	119.5	211.66	116.08	29.70	4.41	358.46	
1.549e+04												
						239.0	262.60	116.08	29.70	4.41	3907.91	
2.992e+04												
	31	57 -5281.12	6600.02	0.10	0.0	0.0	-1677.84	-162.84	-60.40	-7.80	6600.02	-
5281.12												
		-4.531e+04	-7834.67	-0.32	0.0	119.5	-1626.91	-162.84	-60.40	-7.80	-617.33	-
2.529e+04												
						239.0	-1575.97	-162.84	-60.40	-7.80	-7834.67	-
4.531e+04												
	31	58 -6559.86	1.621e+04	0.08	0.0	0.0	-2055.04	-126.18	-148.50	23.06	1.621e+04	-
6559.86												
		-3.539e+04	-1.928e+04	0.08	0.0	119.5	-2004.11	-126.18	-148.50	23.06	-1537.09	-
2.098e+04												
						239.0	-1953.17	-126.18	-148.50	23.06	-1.928e+04	-
3.539e+04												
	31	59 -2882.83	1.591e+04	0.01	0.0	0.0	-913.13	-34.34	122.03	-57.76	-1.326e+04	-
2882.83												
		-1.083e+04	-1.326e+04	-0.69	0.0	119.5	-862.19	-34.34	122.03	-57.76	1324.04	-
6855.74												
						239.0	-811.25	-34.34	122.03	-57.76	1.591e+04	-
1.083e+04												
	31	60 1.366e+04	1.111e+04	-0.05	0.0	0.0	9.48	55.17	-101.76	47.51	1.111e+04	811.29
		811.29	-1.321e+04	0.64	0.0	119.5	60.42	55.17	-101.76	47.51	-1047.56	
7236.62												
						239.0	111.35	55.17	-101.76	47.51	-1.321e+04	
1.366e+04												
	31	61 -5024.27	9281.00	0.06	0.0	0.0	-1526.60	-101.93	71.06	-50.91	-7703.60	-
5024.27												

		-2.905e+04	-7703.60	-0.74	0.0	119.5	-1475.66	-101.93	71.06	-50.91	788.70	-1.704e+04
						239.0	-1424.73	-101.93	71.06	-50.91	9281.00	-2.905e+04
31	62	-1330.16	1.667e+04	3.68e-03	0.0	0.0	-603.99	-12.42	-152.72	54.37	1.667e+04	-1330.16
		-4560.10	-1.983e+04	0.60	0.0	119.5	-553.05	-12.42	-152.72	54.37	-1582.90	-2945.13
						239.0	-502.12	-12.42	-152.72	54.37	-1.983e+04	-4560.10
31	63	-2809.35	1.607e+04	0.01	0.0	0.0	-887.50	-31.79	123.28	-57.13	-1.339e+04	-2809.35
		-1.014e+04	-1.339e+04	-0.69	0.0	119.5	-836.56	-31.79	123.28	-57.13	1340.70	-6476.21
						239.0	-785.63	-31.79	123.28	-57.13	1.607e+04	-1.014e+04
31	64	1.435e+04	1.098e+04	-0.05	0.0	0.0	35.11	57.71	-100.51	48.14	1.098e+04	884.76
		884.76	-1.304e+04	0.64	0.0	119.5	86.05	57.71	-100.51	48.14	-1030.90	-7616.15
						239.0	136.98	57.71	-100.51	48.14	-1.304e+04	-1.435e+04
31	65	-5097.75	9115.52	0.06	0.0	0.0	-1552.23	-104.47	69.82	-51.54	-7571.45	-5097.75
		-2.974e+04	-7571.45	-0.74	0.0	119.5	-1501.29	-104.47	69.82	-51.54	772.04	-1.742e+04
						239.0	-1450.35	-104.47	69.82	-51.54	9115.52	-2.974e+04
31	66	-1403.63	1.680e+04	4.45e-03	0.0	0.0	-629.62	-14.97	-153.97	53.74	1.680e+04	-1403.63
		-5245.69	-2.000e+04	0.60	0.0	119.5	-578.68	-14.97	-153.97	53.74	-1599.57	-3324.66
						239.0	-527.75	-14.97	-153.97	53.74	-2.000e+04	-5245.69
31	67	1095.45	2.043e+04	0.02	0.0	0.0	176.84	-50.69	156.98	-56.57	-1.709e+04	-1095.45
		-1.511e+04	-1.709e+04	-0.69	0.0	119.5	227.78	-50.69	156.98	-56.57	1671.17	-7005.24
						239.0	278.72	-50.69	156.98	-56.57	2.043e+04	-1.511e+04
31	68	1.794e+04	1.494e+04	-0.05	0.0	0.0	-1080.49	71.51	-136.70	46.31	1.494e+04	-3166.99
		-3166.99	-1.773e+04	0.64	0.0	119.5	-1029.55	71.51	-136.70	46.31	-1394.70	-7386.12
						239.0	-978.62	71.51	-136.70	46.31	-1.773e+04	-1.794e+04
31	69	-1045.99	1.380e+04	0.06	0.0	0.0	-436.63	-118.27	106.01	-49.71	-1.153e+04	-1045.99
		-3.333e+04	-1.153e+04	-0.74	0.0	119.5	-385.69	-118.27	106.01	-49.71	1135.83	-1.719e+04
						239.0	-334.75	-118.27	106.01	-49.71	1.380e+04	-3.333e+04
31	70	-282.82	2.050e+04	-4.03e-03	0.0	0.0	-1693.96	3.93	-187.67	53.17	2.050e+04	-5308.43
		-5308.43	-2.436e+04	0.60	0.0	119.5	-1643.03	3.93	-187.67	53.17	-1930.03	-2795.63
						239.0	-1592.09	3.93	-187.67	53.17	-2.436e+04	-282.82
31	71	1168.93	2.060e+04	0.02	0.0	0.0	202.47	-48.14	158.22	-55.94	-1.722e+04	-1168.93
		-1.442e+04	-1.722e+04	-0.70	0.0	119.5	253.41	-48.14	158.22	-55.94	1687.83	-6625.71
						239.0	304.35	-48.14	158.22	-55.94	2.060e+04	-1.442e+04
31	72	1.862e+04	1.481e+04	-0.05	0.0	0.0	-1054.86	74.06	-135.46	46.94	1.481e+04	-3093.51
		-3093.51	-1.757e+04	0.64	0.0	119.5	-1003.93	74.06	-135.46	46.94	-1378.03	-7765.65
						239.0	-952.99	74.06	-135.46	46.94	-1.757e+04	-1.862e+04
31	73	-1119.47	1.364e+04	0.06	0.0	0.0	-462.26	-120.82	104.76	-50.34	-1.140e+04	-1119.47
		-3.401e+04	-1.140e+04	-0.74	0.0	119.5	-411.32	-120.82	104.76	-50.34	1119.17	-

1.757e+04												
						239.0	-360.38	-120.82	104.76	-50.34	1.364e+04	-
3.401e+04												
31	74	-968.41	2.063e+04	-3.53e-03	0.0	0.0	-1719.59	1.38	-188.92	52.54	2.063e+04	-
5381.91												
		-5381.91	-2.452e+04	0.60	0.0	119.5	-1668.65	1.38	-188.92	52.54	-1946.70	-
3175.16												
						239.0	-1617.72	1.38	-188.92	52.54	-2.452e+04	-
968.41												
31	75	1.437e+04	1.079e+04	-0.05	0.0	0.0	-27.46	58.61	82.73	-24.23	-8983.24	385.45
		385.45	-8983.24	-0.15	0.0	119.5	23.48	58.61	82.73	-24.23	903.09	
7376.60												
						239.0	74.41	58.61	82.73	-24.23	1.079e+04	
1.437e+04												
31	76	2.044e+04	3569.04	-0.06	0.0	0.0	201.76	80.81	27.23	1.87	-2939.01	
1303.91												
		1303.91	-2939.01	0.18	0.0	119.5	252.69	80.81	27.23	1.87	315.02	
1.087e+04												
						239.0	303.63	80.81	27.23	1.87	3569.04	
2.044e+04												
31	77	-5516.90	6348.04	0.08	0.0	0.0	-1718.88	-127.57	-57.92	-5.27	6348.04	-
5516.90												
		-3.583e+04	-7495.81	-0.28	0.0	119.5	-1667.94	-127.57	-57.92	-5.27	-573.88	-
2.067e+04												
						239.0	-1617.00	-127.57	-57.92	-5.27	-7495.81	-
3.583e+04												
31	78	-4598.43	1.239e+04	0.06	0.0	0.0	-1489.66	-105.37	-113.42	20.83	1.239e+04	-
4598.43												
		-2.976e+04	-1.472e+04	0.06	0.0	119.5	-1438.72	-105.37	-113.42	20.83	-1161.96	-
1.718e+04												
						239.0	-1387.78	-105.37	-113.42	20.83	-1.472e+04	-
2.976e+04												
31	79	1.331e+04	1.191e+04	-0.05	0.0	0.0	243.18	54.56	91.39	-23.93	-9932.16	
1374.13												
		1374.13	-9932.16	-0.15	0.0	119.5	294.12	54.56	91.39	-23.93	989.15	
7340.97												
						239.0	345.06	54.56	91.39	-23.93	1.191e+04	
1.331e+04												
31	80	2.150e+04	2448.00	-0.07	0.0	0.0	-68.89	84.86	18.57	1.58	-1990.08	315.23
		315.23	-1990.08	0.18	0.0	119.5	-17.95	84.86	18.57	1.58	228.96	
1.091e+04												
						239.0	32.99	84.86	18.57	1.58	2448.00	
2.150e+04												
31	81	-4528.21	5399.12	0.08	0.0	0.0	-1448.23	-131.62	-49.26	-4.97	5399.12	-
4528.21												
		-3.689e+04	-6374.77	-0.28	0.0	119.5	-1397.30	-131.62	-49.26	-4.97	-487.82	-
2.071e+04												
						239.0	-1346.36	-131.62	-49.26	-4.97	-6374.77	-
3.689e+04												
31	82	-5587.11	1.334e+04	0.06	0.0	0.0	-1760.30	-101.32	-122.08	20.54	1.334e+04	-
5587.11												
		-2.870e+04	-1.584e+04	0.06	0.0	119.5	-1709.37	-101.32	-122.08	20.54	-1248.01	-
1.714e+04												
						239.0	-1658.43	-101.32	-122.08	20.54	-1.584e+04	-
2.870e+04												
31	83	1.626e+04	1.124e+04	-0.05	0.0	0.0	43.04	65.63	86.14	-22.49	-9345.52	587.68
		587.68	-9345.52	-0.15	0.0	119.5	93.98	65.63	86.14	-22.49	948.81	
8421.87												
						239.0	144.91	65.63	86.14	-22.49	1.124e+04	
1.626e+04												
31	84	2.233e+04	4022.75	-0.07	0.0	0.0	272.26	87.83	30.64	3.61	-3301.29	
1506.14												
		1506.14	-3301.29	0.18	0.0	119.5	323.20	87.83	30.64	3.61	360.73	
1.192e+04												
						239.0	374.13	87.83	30.64	3.61	4022.75	
2.233e+04												
31	85	-5719.12	6710.32	0.08	0.0	0.0	-1789.38	-134.59	-61.34	-7.01	6710.32	-
5719.12												
		-3.772e+04	-7949.52	-0.27	0.0	119.5	-1738.44	-134.59	-61.34	-7.01	-619.60	-
2.172e+04												
						239.0	-1687.50	-134.59	-61.34	-7.01	-7949.52	-
3.772e+04												

31	86	-4800.66	1.275e+04	0.07	0.0	0.0	-1560.16	-112.39	-116.84	19.09	1.275e+04	-4800.66
		-3.164e+04	-1.517e+04	0.06	0.0	119.5	-1509.22	-112.39	-116.84	19.09	-1207.67	-1.822e+04
						239.0	-1458.29	-112.39	-116.84	19.09	-1.517e+04	-3.164e+04
31	87	1.520e+04	1.236e+04	-0.05	0.0	0.0	313.68	61.58	94.80	-22.19	-1.029e+04	1576.36
		1576.36	-1.029e+04	-0.15	0.0	119.5	364.62	61.58	94.80	-22.19	1034.86	8386.23
						239.0	415.56	61.58	94.80	-22.19	1.236e+04	1.520e+04
31	88	2.339e+04	2901.71	-0.07	0.0	0.0	1.61	91.88	21.98	3.32	-2352.36	517.46
		517.46	-2352.36	0.18	0.0	119.5	52.55	91.88	21.98	3.32	274.68	1.195e+04
						239.0	103.49	91.88	21.98	3.32	2901.71	2.339e+04
31	89	-4730.44	5761.40	0.08	0.0	0.0	-1518.74	-138.64	-52.68	-6.71	5761.40	-4730.44
		-3.878e+04	-6828.48	-0.27	0.0	119.5	-1467.80	-138.64	-52.68	-6.71	-533.54	-2.176e+04
						239.0	-1416.86	-138.64	-52.68	-6.71	-6828.48	-3.878e+04
31	90	-5789.34	1.370e+04	0.07	0.0	0.0	-1830.80	-108.34	-125.50	18.80	1.370e+04	-5789.34
		-3.058e+04	-1.629e+04	0.06	0.0	119.5	-1779.87	-108.34	-125.50	18.80	-1293.73	-1.819e+04
						239.0	-1728.93	-108.34	-125.50	18.80	-1.629e+04	-3.058e+04
31	91	-2751.91	1.281e+04	0.01	0.0	0.0	-886.88	-32.45	98.25	-48.05	-1.067e+04	-2751.91
		-1.029e+04	-1.067e+04	-0.58	0.0	119.5	-835.94	-32.45	98.25	-48.05	1072.24	-6520.55
						239.0	-785.00	-32.45	98.25	-48.05	1.281e+04	-1.029e+04
31	92	9960.15	9478.54	-0.04	0.0	0.0	-122.82	41.54	-86.75	38.96	9478.54	309.63
		309.63	-1.125e+04	0.52	0.0	119.5	-71.88	41.54	-86.75	38.96	-888.01	-5134.89
						239.0	-20.94	41.54	-86.75	38.96	-1.125e+04	-9960.15
31	93	-4522.61	7327.80	0.05	0.0	0.0	-1394.30	-88.30	56.05	-42.36	-6069.51	-4522.61
		-2.535e+04	-6069.51	-0.62	0.0	119.5	-1343.37	-88.30	56.05	-42.36	629.15	-1.494e+04
						239.0	-1292.43	-88.30	56.05	-42.36	7327.80	-2.535e+04
31	94	-1461.07	1.408e+04	4.53e-03	0.0	0.0	-630.24	-14.31	-128.94	44.65	1.408e+04	-1461.07
		-5099.57	-1.674e+04	0.49	0.0	119.5	-579.30	-14.31	-128.94	44.65	-1331.10	-3280.32
						239.0	-528.37	-14.31	-128.94	44.65	-1.674e+04	-5099.57
31	95	-2691.24	1.295e+04	0.01	0.0	0.0	-865.73	-30.34	99.27	-47.52	-1.078e+04	-2691.24
		-9722.70	-1.078e+04	-0.58	0.0	119.5	-814.79	-30.34	99.27	-47.52	1085.95	-6206.97
						239.0	-763.85	-30.34	99.27	-47.52	1.295e+04	-9722.70
31	96	1.053e+04	9369.86	-0.04	0.0	0.0	-101.67	43.65	-85.72	39.48	9369.86	370.30
		370.30	-1.112e+04	0.52	0.0	119.5	-50.73	43.65	-85.72	39.48	-874.30	-5448.47
						239.0	0.21	43.65	-85.72	39.48	-1.112e+04	-1.053e+04
31	97	-4583.28	7191.68	0.05	0.0	0.0	-1415.46	-90.41	55.03	-42.88	-5960.82	-4583.28
		-2.592e+04	-5960.82	-0.62	0.0	119.5	-1364.52	-90.41	55.03	-42.88	615.43	-1.525e+04
						239.0	-1313.58	-90.41	55.03	-42.88	7191.68	-2.592e+04
31	98	-1521.74	1.419e+04	5.16e-03	0.0	0.0	-651.39	-16.42	-129.97	44.13	1.419e+04	-1521.74
		-5666.06	-1.688e+04	0.49	0.0	119.5	-600.45	-16.42	-129.97	44.13	-1344.82	-

3593.90												
						239.0	-549.52	-16.42	-129.97	44.13	-1.688e+04	-
5666.06												
31	99	543.69	1.655e+04	0.02	0.0	0.0	15.27	-45.95	127.12	-47.05	-1.383e+04	543.69
		-1.382e+04	-1.383e+04	-0.58	0.0	119.5	66.20	-45.95	127.12	-47.05	1359.09	-
6639.34												
						239.0	117.14	-45.95	127.12	-47.05	1.655e+04	-
1.382e+04												
31	100	1.349e+04	1.264e+04	-0.04	0.0	0.0	-1024.96	55.05	-115.62	37.97	1.264e+04	-
2985.97												
		-2985.97	-1.499e+04	0.52	0.0	119.5	-974.03	55.05	-115.62	37.97	-1174.87	
5253.67												
						239.0	-923.09	55.05	-115.62	37.97	-1.499e+04	
1.349e+04												
31	101	-1227.01	1.106e+04	0.05	0.0	0.0	-492.16	-101.81	84.92	-41.37	-9232.59	-
1227.01												
		-2.888e+04	-9232.59	-0.62	0.0	119.5	-441.22	-101.81	84.92	-41.37	916.00	-
1.505e+04												
						239.0	-390.28	-101.81	84.92	-41.37	1.106e+04	-
2.888e+04												
31	102	-1566.40	1.724e+04	3.21e-03	0.0	0.0	-1532.39	-0.81	-157.81	43.66	1.724e+04	-
4756.68												
		-4756.68	-2.048e+04	0.49	0.0	119.5	-1481.45	-0.81	-157.81	43.66	-1617.96	-
3161.54												
						239.0	-1430.51	-0.81	-157.81	43.66	-2.048e+04	-
1566.40												
31	103	604.36	1.669e+04	0.01	0.0	0.0	36.42	-43.85	128.14	-46.53	-1.394e+04	604.36
		-1.326e+04	-1.394e+04	-0.58	0.0	119.5	87.35	-43.85	128.14	-46.53	1372.81	-
6325.76												
						239.0	138.29	-43.85	128.14	-46.53	1.669e+04	-
1.326e+04												
31	104	1.406e+04	1.253e+04	-0.04	0.0	0.0	-1003.81	57.15	-114.59	38.49	1.253e+04	-
2925.31												
		-2925.31	-1.486e+04	0.52	0.0	119.5	-952.88	57.15	-114.59	38.49	-1161.15	
5567.25												
						239.0	-901.94	57.15	-114.59	38.49	-1.486e+04	
1.406e+04												
31	105	-1287.68	1.093e+04	0.05	0.0	0.0	-513.31	-103.91	83.90	-41.89	-9123.91	-
1287.68												
		-2.945e+04	-9123.91	-0.62	0.0	119.5	-462.37	-103.91	83.90	-41.89	902.29	-
1.537e+04												
						239.0	-411.43	-103.91	83.90	-41.89	1.093e+04	-
2.945e+04												
31	106	-2132.89	1.735e+04	3.74e-03	0.0	0.0	-1553.54	-2.91	-158.84	43.14	1.735e+04	-
4817.35												
		-4817.35	-2.061e+04	0.49	0.0	119.5	-1502.60	-2.91	-158.84	43.14	-1631.67	-
3475.12												
						239.0	-1451.66	-2.91	-158.84	43.14	-2.061e+04	-
2132.89												
34	1	857.20	431.85	0.02	0.0	0.0	-559.47	-8.07	-3.05	-3.41	431.85	857.20
		-1071.87	-297.89	-0.03	0.0	119.5	-493.25	-8.07	-3.05	-3.41	66.98	-
107.33												
						239.0	-427.03	-8.07	-3.05	-3.41	-297.89	-
1071.87												
34	2	9274.42	5444.64	0.06	0.0	0.0	-2005.99	-57.01	-37.74	-1.18	5444.64	
9274.42												
		-4352.01	-3574.64	-0.10	0.0	119.5	-1939.77	-57.01	-37.74	-1.18	935.00	
2461.21												
						239.0	-1873.56	-57.01	-37.74	-1.18	-3574.64	-
4352.01												
34	3	500.54	237.60	0.01	0.0	0.0	-403.06	-5.29	-1.69	-2.66	237.60	500.54
		-762.61	-167.31	-0.02	0.0	119.5	-352.12	-5.29	-1.69	-2.66	35.14	-
131.04												
						239.0	-301.19	-5.29	-1.69	-2.66	-167.31	-
762.61												
34	4	8917.76	5250.38	0.05	0.0	0.0	-1849.59	-54.23	-36.38	-0.44	5250.38	
8917.76												
		-4042.75	-3444.06	-0.09	0.0	119.5	-1798.65	-54.23	-36.38	-0.44	903.16	
2437.51												
						239.0	-1747.71	-54.23	-36.38	-0.44	-3444.06	-
4042.75												
34	5	590.32	291.07	0.01	0.0	0.0	-418.49	-5.81	-2.06	-2.64	291.07	590.32

		-797.60	-202.26	-0.02	0.0	119.5	-367.55	-5.81	-2.06	-2.64	44.40	-103.64
						239.0	-316.62	-5.81	-2.06	-2.64	-202.26	-797.60
34	6	6201.80	3632.92	0.04	0.0	0.0	-1382.84	-38.44	-25.19	-1.16	3632.92	6201.80
		-2984.36	-2386.76	-0.07	0.0	119.5	-1331.90	-38.44	-25.19	-1.16	623.08	1608.72
						239.0	-1280.97	-38.44	-25.19	-1.16	-2386.76	-2984.36
34	7	590.32	291.07	0.01	0.0	0.0	-418.49	-5.81	-2.06	-2.64	291.07	590.32
		-797.60	-202.26	-0.02	0.0	119.5	-367.55	-5.81	-2.06	-2.64	44.40	-103.64
						239.0	-316.62	-5.81	-2.06	-2.64	-202.26	-797.60
34	8	4518.36	2630.37	0.03	0.0	0.0	-1093.54	-28.65	-18.25	-1.60	2630.37	4518.36
		-2328.33	-1731.41	-0.06	0.0	119.5	-1042.60	-28.65	-18.25	-1.60	449.48	1095.01
						239.0	-991.66	-28.65	-18.25	-1.60	-1731.41	-2328.33
34	9	590.32	291.07	0.01	0.0	0.0	-418.49	-5.81	-2.06	-2.64	291.07	590.32
		-797.60	-202.26	-0.02	0.0	119.5	-367.55	-5.81	-2.06	-2.64	44.40	-103.64
						239.0	-316.62	-5.81	-2.06	-2.64	-202.26	-797.60
34	10	3957.21	2296.18	0.03	0.0	0.0	-997.10	-25.38	-15.94	-1.75	2296.18	3957.21
		-2109.65	-1512.96	-0.05	0.0	119.5	-946.16	-25.38	-15.94	-1.75	391.61	923.78
						239.0	-895.23	-25.38	-15.94	-1.75	-1512.96	-2109.65
34	11	4153.31	1.177e+04	-0.03	0.0	0.0	243.43	49.66	122.17	-117.20	-1.743e+04	-1.088e+04
		-1.088e+04	-1.743e+04	-0.17	0.0	119.5	294.37	49.66	122.17	-117.20	-2831.96	-3361.16
						239.0	345.30	49.66	122.17	-117.20	1.177e+04	4153.31
34	12	2741.81	2181.64	-0.08	0.0	0.0	-372.63	103.63	22.54	-66.56	-3206.12	-2.283e+04
		-2.283e+04	-3206.12	0.33	0.0	119.5	-321.70	103.63	22.54	-66.56	-512.24	-1.004e+04
						239.0	-270.76	103.63	22.54	-66.56	2181.64	2741.81
34	13	3.074e+04	7798.48	0.14	0.0	0.0	-1621.57	-154.40	-54.42	63.06	7798.48	3.074e+04
		-6961.12	-5207.56	-0.43	0.0	119.5	-1570.63	-154.40	-54.42	63.06	1295.46	1.189e+04
						239.0	-1519.69	-154.40	-54.42	63.06	-5207.56	-6961.12
34	14	1.879e+04	2.202e+04	0.08	0.0	0.0	-2237.63	-100.43	-154.04	113.70	2.202e+04	1.879e+04
		-8372.61	-1.479e+04	0.06	0.0	119.5	-2186.69	-100.43	-154.04	113.70	3615.18	5208.72
						239.0	-2135.76	-100.43	-154.04	113.70	-1.479e+04	-8372.61
34	15	2354.37	1.277e+04	-0.02	0.0	0.0	168.18	43.76	132.76	-126.65	-1.896e+04	-9933.23
		-9933.23	-1.896e+04	-0.16	0.0	119.5	219.11	43.76	132.76	-126.65	-3093.05	-3789.43
						239.0	270.05	43.76	132.76	-126.65	1.277e+04	2354.37
34	16	4540.74	1176.55	-0.08	0.0	0.0	-297.38	109.52	11.94	-57.11	-1678.84	-2.377e+04
		-2.377e+04	-1678.84	0.33	0.0	119.5	-246.44	109.52	11.94	-57.11	-251.15	-9614.64
						239.0	-195.51	109.52	11.94	-57.11	1176.55	4540.74
34	17	3.168e+04	6271.21	0.14	0.0	0.0	-1696.82	-160.29	-43.82	53.61	6271.21	3.168e+04
		-8760.05	-4202.48	-0.43	0.0	119.5	-1645.88	-160.29	-43.82	53.61	1034.36	1.146e+04
						239.0	-1594.95	-160.29	-43.82	53.61	-4202.48	-8760.05

8760.05												
34	18	1.785e+04	2.355e+04	0.08	0.0	0.0	-2162.38	-94.53	-164.64	123.15	2.355e+04	
1.785e+04												
		-6573.68	-1.580e+04	0.06	0.0	119.5	-2111.44	-94.53	-164.64	123.15	3876.27	
5636.99												
						239.0	-2060.50	-94.53	-164.64	123.15	-1.580e+04	-
6573.68												
34	19	3785.82	1.232e+04	-0.02	0.0	0.0	224.41	39.47	127.69	-121.95	-1.820e+04	-
9379.50												
		-9379.50	-1.820e+04	-0.17	0.0	119.5	275.35	39.47	127.69	-121.95	-2944.69	-
2796.84												
						239.0	326.29	39.47	127.69	-121.95	1.232e+04	
3785.82												
34	20	2374.32	2728.96	-0.07	0.0	0.0	-391.65	93.44	28.07	-71.31	-3978.89	-
2.133e+04												
		-2.133e+04	-3978.89	0.33	0.0	119.5	-340.71	93.44	28.07	-71.31	-624.96	-
9478.59												
						239.0	-289.77	93.44	28.07	-71.31	2728.96	
2374.32												
34	21	2.925e+04	8571.25	0.13	0.0	0.0	-1602.55	-144.21	-59.94	67.81	8571.25	
2.925e+04												
		-6593.63	-5754.88	-0.43	0.0	119.5	-1551.62	-144.21	-59.94	67.81	1408.18	
1.133e+04												
						239.0	-1500.68	-144.21	-59.94	67.81	-5754.88	-
6593.63												
34	22	1.729e+04	2.280e+04	0.08	0.0	0.0	-2218.62	-90.24	-159.57	118.45	2.280e+04	
1.729e+04												
		-8005.13	-1.534e+04	0.06	0.0	119.5	-2167.68	-90.24	-159.57	118.45	3727.90	
4644.40												
						239.0	-2116.74	-90.24	-159.57	118.45	-1.534e+04	-
8005.13												
34	23	1986.89	1.332e+04	-0.02	0.0	0.0	149.16	33.57	138.29	-131.40	-1.973e+04	-
8437.11												
		-8437.11	-1.973e+04	-0.16	0.0	119.5	200.10	33.57	138.29	-131.40	-3205.78	-
3225.11												
						239.0	251.04	33.57	138.29	-131.40	1.332e+04	
1986.89												
34	24	4173.26	1723.88	-0.08	0.0	0.0	-316.39	99.33	17.47	-61.86	-2451.62	-
2.227e+04												
		-2.227e+04	-2451.62	0.33	0.0	119.5	-265.46	99.33	17.47	-61.86	-363.87	-
9050.32												
						239.0	-214.52	99.33	17.47	-61.86	1723.88	
4173.26												
34	25	3.019e+04	7043.98	0.13	0.0	0.0	-1677.81	-150.10	-49.34	58.36	7043.98	
3.019e+04												
		-8392.57	-4749.80	-0.43	0.0	119.5	-1626.87	-150.10	-49.34	58.36	1147.09	
1.090e+04												
						239.0	-1575.93	-150.10	-49.34	58.36	-4749.80	-
8392.57												
34	26	1.635e+04	2.432e+04	0.08	0.0	0.0	-2143.36	-84.34	-170.16	127.90	2.432e+04	
1.635e+04												
		-6206.19	-1.635e+04	0.06	0.0	119.5	-2092.43	-84.34	-170.16	127.90	3989.00	
5072.67												
						239.0	-2041.49	-84.34	-170.16	127.90	-1.635e+04	-
6206.19												
34	27	1.763e+04	1.701e+04	0.09	0.0	0.0	309.42	-84.73	176.59	-113.19	-2.520e+04	
1.763e+04												
		1910.00	-2.520e+04	-0.84	0.0	119.5	360.36	-84.73	176.59	-113.19	-4093.71	
9772.29												
						239.0	411.29	-84.73	176.59	-113.19	1.701e+04	
1910.00												
34	28	-2794.99	2.222e+04	-0.08	0.0	0.0	-1744.12	95.18	-155.49	55.61	2.222e+04	-
2.221e+04												
		-2.221e+04	-1.494e+04	0.81	0.0	119.5	-1693.18	95.18	-155.49	55.61	3638.70	-
1.250e+04												
						239.0	-1642.25	95.18	-155.49	55.61	-1.494e+04	-
2794.99												
34	29	3.012e+04	1.192e+04	0.14	0.0	0.0	-250.08	-145.95	123.62	-59.11	-1.763e+04	
3.012e+04												
		-1424.32	-1.763e+04	-0.92	0.0	119.5	-199.14	-145.95	123.62	-59.11	-2855.48	
1.435e+04												
						239.0	-148.21	-145.95	123.62	-59.11	1.192e+04	-

1424.32												
34	30	-6129.31	2.979e+04	-0.03	0.0	0.0	-2303.62	33.96	-208.47	109.69	2.979e+04	-
9720.15												
		-9720.15	-2.004e+04	0.73	0.0	119.5	-2252.68	33.96	-208.47	109.69	4876.93	-
7924.73												
						239.0	-2201.75	33.96	-208.47	109.69	-2.004e+04	-
6129.31												
34	31	1.808e+04	1.717e+04	0.09	0.0	0.0	303.71	-87.79	178.25	-114.61	-2.543e+04	
1.808e+04												
		1799.76	-2.543e+04	-0.84	0.0	119.5	354.65	-87.79	178.25	-114.61	-4127.53	
9941.58												
						239.0	405.59	-87.79	178.25	-114.61	1.717e+04	
1799.76												
34	32	-2905.23	2.199e+04	-0.08	0.0	0.0	-1749.83	92.12	-153.84	54.19	2.199e+04	-
2.176e+04												
		-2.176e+04	-1.478e+04	0.81	0.0	119.5	-1698.89	92.12	-153.84	54.19	3604.88	-
1.233e+04												
						239.0	-1647.95	92.12	-153.84	54.19	-1.478e+04	-
2905.23												
34	33	2.967e+04	1.175e+04	0.14	0.0	0.0	-244.38	-142.89	121.96	-57.69	-1.740e+04	
2.967e+04												
		-1314.08	-1.740e+04	-0.92	0.0	119.5	-193.44	-142.89	121.96	-57.69	-2821.66	
1.418e+04												
						239.0	-142.50	-142.89	121.96	-57.69	1.175e+04	-
1314.08												
34	34	-6019.07	3.002e+04	-0.03	0.0	0.0	-2297.92	37.02	-210.13	111.11	3.002e+04	-
1.017e+04												
		-1.017e+04	-2.020e+04	0.73	0.0	119.5	-2246.98	37.02	-210.13	111.11	4910.74	-
8094.03												
						239.0	-2196.04	37.02	-210.13	111.11	-2.020e+04	-
6019.07												
34	35	2.078e+04	2.036e+04	0.10	0.0	0.0	58.57	-104.38	211.92	-144.69	-3.029e+04	
2.078e+04												
		-4086.44	-3.029e+04	-0.83	0.0	119.5	109.51	-104.38	211.92	-144.69	-4964.02	
8344.72												
						239.0	160.45	-104.38	211.92	-144.69	2.036e+04	-
4086.44												
34	36	3201.46	2.731e+04	-0.09	0.0	0.0	-1493.28	114.83	-190.82	87.11	2.731e+04	-
2.535e+04												
		-2.535e+04	-1.829e+04	0.80	0.0	119.5	-1442.34	114.83	-190.82	87.11	4509.01	-
1.107e+04												
						239.0	-1391.40	114.83	-190.82	87.11	-1.829e+04	
3201.46												
34	37	3.326e+04	1.527e+04	0.15	0.0	0.0	-500.92	-165.59	158.94	-90.61	-2.272e+04	
3.326e+04												
		-7420.77	-2.272e+04	-0.91	0.0	119.5	-449.99	-165.59	158.94	-90.61	-3725.79	
1.292e+04												
						239.0	-399.05	-165.59	158.94	-90.61	1.527e+04	-
7420.77												
34	38	-132.87	3.488e+04	-0.04	0.0	0.0	-2052.78	53.61	-243.79	141.19	3.488e+04	-
1.286e+04												
		-1.286e+04	-2.339e+04	0.72	0.0	119.5	-2001.84	53.61	-243.79	141.19	5747.24	-
6497.16												
						239.0	-1950.90	53.61	-243.79	141.19	-2.339e+04	-
132.87												
34	39	2.122e+04	2.052e+04	0.10	0.0	0.0	52.87	-107.43	213.57	-146.12	-3.052e+04	
2.122e+04												
		-4196.69	-3.052e+04	-0.83	0.0	119.5	103.81	-107.43	213.57	-146.12	-4997.84	
8514.02												
						239.0	154.74	-107.43	213.57	-146.12	2.052e+04	-
4196.69												
34	40	3091.22	2.708e+04	-0.09	0.0	0.0	-1498.98	111.77	-189.16	85.69	2.708e+04	-
2.490e+04												
		-2.490e+04	-1.813e+04	0.80	0.0	119.5	-1448.04	111.77	-189.16	85.69	4475.20	-
1.090e+04												
						239.0	-1397.11	111.77	-189.16	85.69	-1.813e+04	
3091.22												
34	41	3.281e+04	1.510e+04	0.15	0.0	0.0	-495.22	-162.54	157.28	-89.19	-2.249e+04	
3.281e+04												
		-7310.52	-2.249e+04	-0.91	0.0	119.5	-444.28	-162.54	157.28	-89.19	-3691.98	
1.275e+04												
						239.0	-393.35	-162.54	157.28	-89.19	1.510e+04	-

7310.52												
34	42	-22.62	3.511e+04	-0.04	0.0	0.0	-2047.07	56.67	-245.45	142.62	3.511e+04	-
1.331e+04												
		-1.331e+04	-2.355e+04	0.72	0.0	119.5	-1996.13	56.67	-245.45	142.62	5781.06	-
6666.46												
						239.0	-1945.20	56.67	-245.45	142.62	-2.355e+04	-22.62
34	43	2773.68	8973.65	-0.02	0.0	0.0	-22.66	33.19	93.12	-92.91	-1.328e+04	-
7652.25												
		-7652.25	-1.328e+04	-0.14	0.0	119.5	28.27	33.19	93.12	-92.91	-2154.67	-
2439.28												
						239.0	79.21	33.19	93.12	-92.91	8973.65	
2773.68												
34	44	1671.60	1389.72	-0.06	0.0	0.0	-509.97	75.86	14.29	-52.88	-2025.62	-
1.711e+04												
		-1.711e+04	-2025.62	0.25	0.0	119.5	-459.03	75.86	14.29	-52.88	-317.95	-
7718.41												
						239.0	-408.10	75.86	14.29	-52.88	1389.72	
1671.60												
34	45	2.502e+04	6617.99	0.11	0.0	0.0	-1484.23	-126.62	-46.16	49.38	6617.99	
2.502e+04												
		-5890.91	-4415.64	-0.35	0.0	119.5	-1433.29	-126.62	-46.16	49.38	1101.17	
9565.97												
						239.0	-1382.36	-126.62	-46.16	49.38	-4415.64	-
5890.91												
34	46	1.557e+04	1.788e+04	0.07	0.0	0.0	-1971.54	-83.96	-125.00	89.41	1.788e+04	
1.557e+04												
		-6992.99	-1.200e+04	0.04	0.0	119.5	-1920.60	-83.96	-125.00	89.41	2937.89	
4286.84												
						239.0	-1869.66	-83.96	-125.00	89.41	-1.200e+04	-
6992.99												
34	47	1362.95	9772.51	-0.01	0.0	0.0	-82.61	28.52	101.54	-100.42	-1.450e+04	-
6905.62												
		-6905.62	-1.450e+04	-0.14	0.0	119.5	-31.67	28.52	101.54	-100.42	-2361.65	-
2771.33												
						239.0	19.27	28.52	101.54	-100.42	9772.51	
1362.95												
34	48	3082.33	590.86	-0.06	0.0	0.0	-450.03	80.53	5.87	-45.38	-812.81	-
1.786e+04												
		-1.786e+04	-812.81	0.25	0.0	119.5	-399.09	80.53	5.87	-45.38	-110.98	-
7386.36												
						239.0	-348.15	80.53	5.87	-45.38	590.86	
3082.33												
34	49	2.577e+04	5405.17	0.11	0.0	0.0	-1544.18	-131.30	-37.75	41.88	5405.17	
2.577e+04												
		-7301.63	-3616.78	-0.35	0.0	119.5	-1493.24	-131.30	-37.75	41.88	894.20	
9233.92												
						239.0	-1442.30	-131.30	-37.75	41.88	-3616.78	-
7301.63												
34	50	1.482e+04	1.909e+04	0.07	0.0	0.0	-1911.60	-79.29	-133.41	96.92	1.909e+04	
1.482e+04												
		-5582.26	-1.280e+04	0.04	0.0	119.5	-1860.66	-79.29	-133.41	96.92	3144.86	
4618.89												
						239.0	-1809.72	-79.29	-133.41	96.92	-1.280e+04	-
5582.26												
34	51	2484.34	9403.53	-0.01	0.0	0.0	-39.77	24.82	97.45	-96.63	-1.389e+04	-
6411.31												
		-6411.31	-1.389e+04	-0.14	0.0	119.5	11.17	24.82	97.45	-96.63	-2242.30	-
1963.49												
						239.0	62.10	24.82	97.45	-96.63	9403.53	
2484.34												
34	52	1382.26	1819.60	-0.05	0.0	0.0	-527.08	67.48	18.62	-56.60	-2630.78	-
1.587e+04												
		-1.587e+04	-2630.78	0.25	0.0	119.5	-476.14	67.48	18.62	-56.60	-405.59	-
7242.62												
						239.0	-425.20	67.48	18.62	-56.60	1819.60	
1382.26												
34	53	2.378e+04	7223.14	0.11	0.0	0.0	-1467.12	-118.25	-50.50	53.10	7223.14	
2.378e+04												
		-5601.56	-4845.53	-0.35	0.0	119.5	-1416.19	-118.25	-50.50	53.10	1188.81	
9090.17												
						239.0	-1365.25	-118.25	-50.50	53.10	-4845.53	-
5601.56												

34	54	1.433e+04	1.848e+04	0.07	0.0	0.0	-1954.43	-75.59	-129.33	93.13	1.848e+04	1.433e+04
		-6703.65	-1.243e+04	0.04	0.0	119.5	-1903.49	-75.59	-129.33	93.13	3025.52	3811.04
						239.0	-1852.56	-75.59	-129.33	93.13	-1.243e+04	-6703.65
34	55	1073.61	1.020e+04	-9.79e-03	0.0	0.0	-99.72	20.15	105.87	-104.13	-1.510e+04	-5664.69
		-5664.69	-1.510e+04	-0.14	0.0	119.5	-48.78	20.15	105.87	-104.13	-2449.28	-2295.54
						239.0	2.16	20.15	105.87	-104.13	1.020e+04	1073.61
34	56	2792.98	1020.74	-0.05	0.0	0.0	-467.14	72.15	10.20	-49.10	-1417.97	-1.661e+04
		-1.661e+04	-1417.97	0.25	0.0	119.5	-416.20	72.15	10.20	-49.10	-198.61	-6910.56
						239.0	-365.26	72.15	10.20	-49.10	1020.74	2792.98
34	57	2.453e+04	6010.33	0.11	0.0	0.0	-1527.07	-122.92	-42.08	45.60	6010.33	2.453e+04
		-7012.29	-4046.67	-0.35	0.0	119.5	-1476.13	-122.92	-42.08	45.60	981.83	8758.12
						239.0	-1425.19	-122.92	-42.08	45.60	-4046.67	-7012.29
34	58	1.358e+04	1.969e+04	0.07	0.0	0.0	-1894.49	-70.92	-137.74	100.63	1.969e+04	1.358e+04
		-5292.92	-1.323e+04	0.04	0.0	119.5	-1843.55	-70.92	-137.74	100.63	3232.50	4143.10
						239.0	-1792.61	-70.92	-137.74	100.63	-1.323e+04	-5292.92
34	59	1.482e+04	1.314e+04	0.08	0.0	0.0	34.31	-72.52	136.34	-89.81	-1.945e+04	1.482e+04
		1026.84	-1.945e+04	-0.67	0.0	119.5	85.25	-72.52	136.34	-89.81	-3157.96	7921.54
						239.0	136.19	-72.52	136.34	-89.81	1.314e+04	1026.84
34	60	-2646.77	1.807e+04	-0.06	0.0	0.0	-1590.04	69.69	-126.43	43.62	1.807e+04	-1.670e+04
		-1.670e+04	-1.214e+04	0.63	0.0	119.5	-1539.11	69.69	-126.43	43.62	2964.42	-9675.56
						239.0	-1488.17	69.69	-126.43	43.62	-1.214e+04	-2646.77
34	61	2.462e+04	9118.53	0.12	0.0	0.0	-404.16	-120.46	94.55	-47.12	-1.348e+04	2.462e+04
		-1572.54	-1.348e+04	-0.74	0.0	119.5	-353.22	-120.46	94.55	-47.12	-2181.21	1.152e+04
						239.0	-302.28	-120.46	94.55	-47.12	9118.53	-1572.54
34	62	-5246.14	2.404e+04	-0.02	0.0	0.0	-2028.52	21.75	-168.22	86.31	2.404e+04	-6901.82
		-6901.82	-1.616e+04	0.57	0.0	119.5	-1977.58	21.75	-168.22	86.31	3941.18	-6073.98
						239.0	-1926.64	21.75	-168.22	86.31	-1.616e+04	-5246.14
34	63	1.519e+04	1.326e+04	0.08	0.0	0.0	29.18	-75.03	137.64	-90.93	-1.963e+04	1.519e+04
		940.03	-1.963e+04	-0.67	0.0	119.5	80.12	-75.03	137.64	-90.93	-3184.25	8064.28
						239.0	131.06	-75.03	137.64	-90.93	1.326e+04	940.03
34	64	-2733.57	1.789e+04	-0.06	0.0	0.0	-1595.18	67.18	-125.13	42.51	1.789e+04	-1.633e+04
		-1.633e+04	-1.202e+04	0.63	0.0	119.5	-1544.24	67.18	-125.13	42.51	2938.13	-9532.82
						239.0	-1493.30	67.18	-125.13	42.51	-1.202e+04	-2733.57
34	65	2.425e+04	8989.56	0.11	0.0	0.0	-399.02	-117.95	93.26	-46.01	-1.330e+04	2.425e+04
		-1485.74	-1.330e+04	-0.74	0.0	119.5	-348.09	-117.95	93.26	-46.01	-2154.92	1.138e+04
						239.0	-297.15	-117.95	93.26	-46.01	8989.56	-1485.74
34	66	-5159.34	2.423e+04	-0.02	0.0	0.0	-2023.38	24.26	-169.52	87.43	2.423e+04	-

7274.10												
		-7274.10	-1.629e+04	0.57	0.0	119.5	-1972.45	24.26	-169.52	87.43	3967.47	-
6216.72												
						239.0	-1921.51	24.26	-169.52	87.43	-1.629e+04	-
5159.34												
34	67	1.730e+04	1.580e+04	0.08	0.0	0.0	-165.50	-88.09	164.40	-114.82	-2.349e+04	
1.730e+04												
		-3675.58	-2.349e+04	-0.67	0.0	119.5	-114.56	-88.09	164.40	-114.82	-3847.88	
6814.70												
						239.0	-63.63	-88.09	164.40	-114.82	1.580e+04	-
3675.58												
34	68	2055.65	2.212e+04	-0.07	0.0	0.0	-1390.23	85.26	-154.49	68.64	2.212e+04	-
1.919e+04												
		-1.919e+04	-1.481e+04	0.62	0.0	119.5	-1339.29	85.26	-154.49	68.64	3654.34	-
8568.72												
						239.0	-1288.36	85.26	-154.49	68.64	-1.481e+04	
2055.65												
34	69	2.711e+04	1.178e+04	0.12	0.0	0.0	-603.97	-136.03	122.61	-72.14	-1.752e+04	
2.711e+04												
		-6274.96	-1.752e+04	-0.73	0.0	119.5	-553.03	-136.03	122.61	-72.14	-2871.13	
1.042e+04												
						239.0	-502.10	-136.03	122.61	-72.14	1.178e+04	-
6274.96												
34	70	-543.72	2.809e+04	-0.03	0.0	0.0	-1828.70	37.32	-196.28	111.32	2.809e+04	-
9390.56												
		-9390.56	-1.882e+04	0.56	0.0	119.5	-1777.76	37.32	-196.28	111.32	4631.10	-
4967.14												
						239.0	-1726.83	37.32	-196.28	111.32	-1.882e+04	-
543.72												
34	71	1.768e+04	1.593e+04	0.08	0.0	0.0	-170.63	-90.60	165.70	-115.94	-2.368e+04	
1.768e+04												
		-3762.39	-2.368e+04	-0.67	0.0	119.5	-119.70	-90.60	165.70	-115.94	-3874.17	
6957.44												
						239.0	-68.76	-90.60	165.70	-115.94	1.593e+04	-
3762.39												
34	72	1968.85	2.193e+04	-0.06	0.0	0.0	-1395.36	82.75	-153.19	67.52	2.193e+04	-
1.882e+04												
		-1.882e+04	-1.468e+04	0.62	0.0	119.5	-1344.43	82.75	-153.19	67.52	3628.05	-
8425.98												
						239.0	-1293.49	82.75	-153.19	67.52	-1.468e+04	
1968.85												
34	73	2.674e+04	1.165e+04	0.12	0.0	0.0	-598.84	-133.52	121.31	-71.02	-1.734e+04	
2.674e+04												
		-6188.16	-1.734e+04	-0.73	0.0	119.5	-547.90	-133.52	121.31	-71.02	-2844.84	
1.027e+04												
						239.0	-496.96	-133.52	121.31	-71.02	1.165e+04	-
6188.16												
34	74	-456.92	2.827e+04	-0.03	0.0	0.0	-1823.57	39.83	-197.57	112.44	2.827e+04	-
9762.84												
		-9762.84	-1.895e+04	0.56	0.0	119.5	-1772.63	39.83	-197.57	112.44	4657.39	-
5109.88												
						239.0	-1721.69	39.83	-197.57	112.44	-1.895e+04	-
456.92												
34	75	1941.36	7161.43	-7.82e-03	0.0	0.0	-189.46	23.29	74.28	-77.17	-1.059e+04	-
5681.60												
		-5681.60	-1.059e+04	-0.13	0.0	119.5	-138.52	23.29	74.28	-77.17	-1714.82	-
1870.12												
						239.0	-87.59	23.29	74.28	-77.17	7161.43	
1941.36												
34	76	1028.33	893.18	-0.04	0.0	0.0	-592.32	58.56	9.12	-44.08	-1286.71	-
1.350e+04												
		-1.350e+04	-1286.71	0.20	0.0	119.5	-541.38	58.56	9.12	-44.08	-196.76	-
6235.44												
						239.0	-490.45	58.56	9.12	-44.08	893.18	
1028.33												
34	77	2.141e+04	5879.07	0.10	0.0	0.0	-1401.88	-109.33	-41.00	40.58	5879.07	
2.141e+04												
		-5247.64	-3919.11	-0.30	0.0	119.5	-1350.94	-109.33	-41.00	40.58	979.98	
8083.00												
						239.0	-1300.00	-109.33	-41.00	40.58	-3919.11	-
5247.64												
34	78	1.360e+04	1.518e+04	0.06	0.0	0.0	-1804.74	-74.06	-106.15	73.67	1.518e+04	

1.360e+04												
		-6160.67	-1.019e+04	0.02	0.0	119.5	-1753.80	-74.06	-106.15	73.67	2498.04	
3717.68												
						239.0	-1702.87	-74.06	-106.15	73.67	-1.019e+04	-
6160.67												
34	79	773.56	7821.52	-6.16e-03	0.0	0.0	-238.96	19.43	81.23	-83.37	-1.159e+04	-
5064.60												
		-5064.60	-1.159e+04	-0.12	0.0	119.5	-188.02	19.43	81.23	-83.37	-1885.85	-
2145.52												
						239.0	-137.08	19.43	81.23	-83.37	7821.52	773.56
34	80	2196.13	233.10	-0.04	0.0	0.0	-542.83	62.42	2.16	-37.88	-284.56	-
1.412e+04												
		-1.412e+04	-284.56	0.20	0.0	119.5	-491.89	62.42	2.16	-37.88	-25.73	-
5960.04												
						239.0	-440.95	62.42	2.16	-37.88	233.10	
2196.13												
34	81	2.203e+04	4876.92	0.10	0.0	0.0	-1451.38	-113.19	-34.04	34.38	4876.92	
2.203e+04												
		-6415.44	-3259.02	-0.30	0.0	119.5	-1400.44	-113.19	-34.04	34.38	808.95	
7807.59												
						239.0	-1349.50	-113.19	-34.04	34.38	-3259.02	-
6415.44												
34	82	1.298e+04	1.619e+04	0.06	0.0	0.0	-1755.25	-70.19	-113.11	79.87	1.619e+04	
1.298e+04												
		-4992.86	-1.085e+04	0.02	0.0	119.5	-1704.31	-70.19	-113.11	79.87	2669.07	
3993.08												
						239.0	-1653.37	-70.19	-113.11	79.87	-1.085e+04	-
4992.86												
34	83	1698.97	7515.39	-4.93e-03	0.0	0.0	-203.86	16.35	77.84	-80.23	-1.109e+04	-
4653.41												
		-4653.41	-1.109e+04	-0.13	0.0	119.5	-152.92	16.35	77.84	-80.23	-1786.95	-
1477.22												
						239.0	-101.99	16.35	77.84	-80.23	7515.39	
1698.97												
34	84	785.95	1247.14	-0.04	0.0	0.0	-606.72	51.62	12.69	-47.14	-1784.92	-
1.247e+04												
		-1.247e+04	-1784.92	0.20	0.0	119.5	-555.79	51.62	12.69	-47.14	-268.89	-
5842.54												
						239.0	-504.85	51.62	12.69	-47.14	1247.14	785.95
34	85	2.039e+04	6377.28	0.10	0.0	0.0	-1387.48	-102.39	-44.56	43.64	6377.28	
2.039e+04												
		-5005.25	-4273.06	-0.30	0.0	119.5	-1336.54	-102.39	-44.56	43.64	1052.11	
7690.10												
						239.0	-1285.60	-102.39	-44.56	43.64	-4273.06	-
5005.25												
34	86	1.257e+04	1.568e+04	0.06	0.0	0.0	-1790.34	-67.12	-109.72	76.73	1.568e+04	
1.257e+04												
		-5918.28	-1.054e+04	0.02	0.0	119.5	-1739.40	-67.12	-109.72	76.73	2570.17	
3324.78												
						239.0	-1688.47	-67.12	-109.72	76.73	-1.054e+04	-
5918.28												
34	87	531.17	8175.47	-3.28e-03	0.0	0.0	-253.36	12.49	84.80	-86.43	-1.209e+04	-
4036.42												
		-4036.42	-1.209e+04	-0.13	0.0	119.5	-202.42	12.49	84.80	-86.43	-1957.98	-
1752.63												
						239.0	-151.48	12.49	84.80	-86.43	8175.47	531.17
34	88	1953.75	587.05	-0.04	0.0	0.0	-557.23	55.48	5.73	-40.94	-782.77	-
1.309e+04												
		-1.309e+04	-782.77	0.19	0.0	119.5	-506.29	55.48	5.73	-40.94	-97.86	-
5567.14												
						239.0	-455.35	55.48	5.73	-40.94	587.05	
1953.75												
34	89	2.100e+04	5375.13	0.10	0.0	0.0	-1436.97	-106.25	-37.61	37.44	5375.13	
2.100e+04												
		-6173.06	-3612.98	-0.30	0.0	119.5	-1386.04	-106.25	-37.61	37.44	881.08	
7414.69												
						239.0	-1335.10	-106.25	-37.61	37.44	-3612.98	-
6173.06												
34	90	1.195e+04	1.668e+04	0.06	0.0	0.0	-1740.85	-63.26	-116.67	82.93	1.668e+04	
1.195e+04												
		-4750.48	-1.120e+04	0.02	0.0	119.5	-1689.91	-63.26	-116.67	82.93	2741.20	
3600.18												

						239.0	-1638.97	-63.26	-116.67	82.93	-1.120e+04	-	
4750.48													
34	91	1.292e+04	1.060e+04	0.07	0.0	0.0	-143.80	-64.28	109.94	-74.56	-1.568e+04		
1.292e+04													
		490.40	-1.568e+04	-0.57	0.0	119.5	-92.86	-64.28	109.94	-74.56	-2542.70		
6706.35													
						239.0	-41.93	-64.28	109.94	-74.56	1.060e+04	490.40	
34	92	-2553.01	1.533e+04	-0.04	0.0	0.0	-1486.67	53.30	-107.24	35.74	1.533e+04	-	
1.314e+04													
		-1.314e+04	-1.030e+04	0.51	0.0	119.5	-1435.74	53.30	-107.24	35.74	2517.48	-	
7844.72													
						239.0	-1384.80	53.30	-107.24	35.74	-1.030e+04	-	
2553.01													
34	93	2.105e+04	7272.04	0.10	0.0	0.0	-507.53	-104.07	75.36	-39.24	-1.074e+04		
2.105e+04													
		-1666.30	-1.074e+04	-0.62	0.0	119.5	-456.59	-104.07	75.36	-39.24	-1734.26		
9692.28													
						239.0	-405.65	-104.07	75.36	-39.24	7272.04	-	
1666.30													
34	94	-4709.71	2.027e+04	-0.01	0.0	0.0	-1850.40	13.52	-141.82	71.06	2.027e+04	-	
5007.87													
		-5007.87	-1.362e+04	0.46	0.0	119.5	-1799.46	13.52	-141.82	71.06	3325.92	-	
4858.79													
						239.0	-1748.53	13.52	-141.82	71.06	-1.362e+04	-	
4709.71													
34	95	1.323e+04	1.070e+04	0.07	0.0	0.0	-148.12	-66.37	111.01	-75.48	-1.583e+04		
1.323e+04													
		417.69	-1.583e+04	-0.57	0.0	119.5	-97.18	-66.37	111.01	-75.48	-2564.34		
6824.21													
						239.0	-46.25	-66.37	111.01	-75.48	1.070e+04	417.69	
34	96	-2625.73	1.518e+04	-0.04	0.0	0.0	-1491.00	51.22	-106.17	34.82	1.518e+04	-	
1.283e+04													
		-1.283e+04	-1.019e+04	0.51	0.0	119.5	-1440.06	51.22	-106.17	34.82	2495.84	-	
7726.85													
						239.0	-1389.12	51.22	-106.17	34.82	-1.019e+04	-	
2625.73													
34	97	2.074e+04	7165.85	0.10	0.0	0.0	-503.21	-101.99	74.29	-38.32	-1.059e+04		
2.074e+04													
		-1593.58	-1.059e+04	-0.62	0.0	119.5	-452.27	-101.99	74.29	-38.32	-1712.63		
9574.41													
						239.0	-401.33	-101.99	74.29	-38.32	7165.85	-	
1593.58													
34	98	-4637.00	2.042e+04	-0.01	0.0	0.0	-1846.08	15.60	-142.89	71.98	2.042e+04	-	
5316.32													
		-5316.32	-1.373e+04	0.46	0.0	119.5	-1795.14	15.60	-142.89	71.98	3347.56	-	
4976.66													
						239.0	-1744.21	15.60	-142.89	71.98	-1.373e+04	-	
4637.00													
34	99	1.498e+04	1.280e+04	0.07	0.0	0.0	-308.79	-77.15	133.13	-95.23	-1.902e+04		
1.498e+04													
		-3402.26	-1.902e+04	-0.56	0.0	119.5	-257.85	-77.15	133.13	-95.23	-3112.81		
5788.33													
						239.0	-206.91	-77.15	133.13	-95.23	1.280e+04	-	
3402.26													
34	100	1339.66	1.867e+04	-0.05	0.0	0.0	-1321.69	66.17	-130.42	56.41	1.867e+04	-	
1.519e+04													
		-1.519e+04	-1.250e+04	0.51	0.0	119.5	-1270.75	66.17	-130.42	56.41	3087.59	-	
6926.71													
						239.0	-1219.82	66.17	-130.42	56.41	-1.250e+04		
1339.66													
34	101	2.311e+04	9472.32	0.11	0.0	0.0	-672.51	-116.94	98.55	-59.91	-1.408e+04		
2.311e+04													
		-5558.96	-1.408e+04	-0.61	0.0	119.5	-621.57	-116.94	98.55	-59.91	-2304.37		
8774.27													
						239.0	-570.64	-116.94	98.55	-59.91	9472.32	-	
5558.96													
34	102	-817.04	2.361e+04	-0.02	0.0	0.0	-1685.42	26.38	-165.01	91.73	2.361e+04	-	
7064.50													
		-7064.50	-1.582e+04	0.45	0.0	119.5	-1634.48	26.38	-165.01	91.73	3896.03	-	
3940.77													
						239.0	-1583.54	26.38	-165.01	91.73	-1.582e+04	-	
817.04													

34	103	1.529e+04	1.290e+04	0.07	0.0	0.0	-313.11	-79.23	134.20	-96.15	-1.917e+04	1.529e+04
		-3474.98	-1.917e+04	-0.56	0.0	119.5	-262.17	-79.23	134.20	-96.15	-3134.45	5906.20
						239.0	-211.23	-79.23	134.20	-96.15	1.290e+04	-3474.98
34	104	1266.94	1.852e+04	-0.05	0.0	0.0	-1326.01	64.09	-129.35	55.49	1.852e+04	-1.488e+04
		-1.488e+04	-1.239e+04	0.51	0.0	119.5	-1275.07	64.09	-129.35	55.49	3065.95	-6808.84
						239.0	-1224.14	64.09	-129.35	55.49	-1.239e+04	1266.94
34	105	2.280e+04	9366.14	0.11	0.0	0.0	-668.19	-114.86	97.48	-58.99	-1.393e+04	2.280e+04
		-5486.25	-1.393e+04	-0.61	0.0	119.5	-617.25	-114.86	97.48	-58.99	-2282.73	8656.40
						239.0	-566.32	-114.86	97.48	-58.99	9366.14	-5486.25
34	106	-744.33	2.376e+04	-0.02	0.0	0.0	-1681.10	28.47	-166.08	92.65	2.376e+04	-7372.96
		-7372.96	-1.593e+04	0.45	0.0	119.5	-1630.16	28.47	-166.08	92.65	3917.67	-4058.64
						239.0	-1579.22	28.47	-166.08	92.65	-1.593e+04	-744.33
35	1	-140.68	438.45	0.01	0.0	0.0	-462.35	-3.19	-2.81	-3.41	438.45	-140.68
		-903.88	-233.70	-0.03	0.0	119.5	-396.13	-3.19	-2.81	-3.41	102.37	-522.28
						239.0	-329.92	-3.19	-2.81	-3.41	-233.70	-903.88
35	2	9022.27	5526.64	0.06	0.0	0.0	-1604.17	-56.60	-37.92	-1.18	5526.64	9022.27
		-4505.24	-3536.92	-0.10	0.0	119.5	-1537.95	-56.60	-37.92	-1.18	994.86	2258.52
						239.0	-1471.73	-56.60	-37.92	-1.18	-3536.92	-4505.24
35	3	-281.14	241.24	8.76e-03	0.0	0.0	-334.11	-1.45	-1.50	-2.66	241.24	-281.14
		-627.33	-117.43	-0.02	0.0	119.5	-283.17	-1.45	-1.50	-2.66	61.91	-454.23
						239.0	-232.23	-1.45	-1.50	-2.66	-117.43	-627.33
35	4	8881.82	5329.43	0.05	0.0	0.0	-1475.92	-54.86	-36.61	-0.44	5329.43	8881.82
		-4228.69	-3420.65	-0.09	0.0	119.5	-1424.98	-54.86	-36.61	-0.44	954.39	2326.56
						239.0	-1374.05	-54.86	-36.61	-0.44	-3420.65	-4228.69
35	5	-183.40	295.52	9.23e-03	0.0	0.0	-346.29	-2.02	-1.88	-2.64	295.52	-183.40
		-665.75	-152.66	-0.02	0.0	119.5	-295.35	-2.02	-1.88	-2.64	71.43	-424.57
						239.0	-244.41	-2.02	-1.88	-2.64	-152.66	-665.75
35	6	5925.24	3687.64	0.04	0.0	0.0	-1107.50	-37.62	-25.28	-1.16	3687.64	5925.24
		-3066.65	-2354.81	-0.07	0.0	119.5	-1056.56	-37.62	-25.28	-1.16	666.42	1429.29
						239.0	-1005.62	-37.62	-25.28	-1.16	-2354.81	-3066.65
35	7	-183.40	295.52	9.23e-03	0.0	0.0	-346.29	-2.02	-1.88	-2.64	295.52	-183.40
		-665.75	-152.66	-0.02	0.0	119.5	-295.35	-2.02	-1.88	-2.64	71.43	-424.57
						239.0	-244.41	-2.02	-1.88	-2.64	-152.66	-665.75
35	8	4092.65	2670.01	0.03	0.0	0.0	-879.13	-26.94	-18.26	-1.60	2670.01	4092.65
		-2346.38	-1694.17	-0.06	0.0	119.5	-828.20	-26.94	-18.26	-1.60	487.92	873.13
						239.0	-777.26	-26.94	-18.26	-1.60	-1694.17	-2346.38
35	9	-183.40	295.52	9.23e-03	0.0	0.0	-346.29	-2.02	-1.88	-2.64	295.52	-

183.40												
		-665.75	-152.66	-0.02	0.0	119.5	-295.35	-2.02	-1.88	-2.64	71.43	-
424.57												
						239.0	-244.41	-2.02	-1.88	-2.64	-152.66	-
665.75												
35	10	3481.78	2330.79	0.03	0.0	0.0	-803.01	-23.38	-15.92	-1.75	2330.79	
3481.78												
		-2106.29	-1473.95	-0.05	0.0	119.5	-752.08	-23.38	-15.92	-1.75	428.42	687.75
						239.0	-701.14	-23.38	-15.92	-1.75	-1473.95	-
2106.29												
35	11	1703.94	1.180e+04	-0.08	0.0	0.0	-97.00	117.58	122.13	-117.20	-1.739e+04	-
2.655e+04												
		-2.655e+04	-1.739e+04	-0.17	0.0	119.5	-46.06	117.58	122.13	-117.20	-2793.26	-
1.243e+04												
						239.0	4.88	117.58	122.13	-117.20	1.180e+04	
1703.94												
35	12	3163.34	2242.02	-0.11	0.0	0.0	328.20	156.52	22.91	-66.56	-3234.35	-
3.465e+04												
		-3.465e+04	-3234.35	0.33	0.0	119.5	379.14	156.52	22.91	-66.56	-496.16	-
1.574e+04												
						239.0	430.07	156.52	22.91	-66.56	2242.02	
3163.34												
35	13	4.161e+04	7895.93	0.16	0.0	0.0	-1934.23	-203.28	-54.75	63.06	7895.93	
4.161e+04												
		-7375.92	-5189.92	-0.43	0.0	119.5	-1883.29	-203.28	-54.75	63.06	1353.01	
1.712e+04												
						239.0	-1832.35	-203.28	-54.75	63.06	-5189.92	-
7375.92												
35	14	3.352e+04	2.205e+04	0.14	0.0	0.0	-1509.03	-164.34	-153.97	113.70	2.205e+04	
3.352e+04												
		-5916.52	-1.475e+04	0.06	0.0	119.5	-1458.09	-164.34	-153.97	113.70	3650.10	
1.380e+04												
						239.0	-1407.16	-164.34	-153.97	113.70	-1.475e+04	-
5916.52												
35	15	3268.86	1.281e+04	-0.08	0.0	0.0	-47.25	111.79	132.74	-126.65	-1.892e+04	-
2.531e+04												
		-2.531e+04	-1.892e+04	-0.16	0.0	119.5	3.69	111.79	132.74	-126.65	-3054.78	-
1.102e+04												
						239.0	54.62	111.79	132.74	-126.65	1.281e+04	
3268.86												
35	16	1598.42	1236.56	-0.11	0.0	0.0	278.45	162.30	12.31	-57.11	-1705.85	-
3.589e+04												
		-3.589e+04	-1705.85	0.33	0.0	119.5	329.39	162.30	12.31	-57.11	-234.64	-
1.715e+04												
						239.0	380.33	162.30	12.31	-57.11	1236.56	
1598.42												
35	17	4.285e+04	6367.43	0.16	0.0	0.0	-1884.48	-209.07	-44.15	53.61	6367.43	
4.285e+04												
		-5811.00	-4184.46	-0.43	0.0	119.5	-1833.54	-209.07	-44.15	53.61	1091.49	
1.852e+04												
						239.0	-1782.61	-209.07	-44.15	53.61	-4184.46	-
5811.00												
35	18	3.228e+04	2.358e+04	0.13	0.0	0.0	-1558.78	-158.55	-164.58	123.15	2.358e+04	
3.228e+04												
		-7481.44	-1.576e+04	0.06	0.0	119.5	-1507.84	-158.55	-164.58	123.15	3911.62	
1.240e+04												
						239.0	-1456.90	-158.55	-164.58	123.15	-1.576e+04	-
7481.44												
35	19	2014.17	1.235e+04	-0.09	0.0	0.0	-13.96	127.29	127.69	-121.94	-1.817e+04	-
2.854e+04												
		-2.854e+04	-1.817e+04	-0.17	0.0	119.5	36.98	127.29	127.69	-121.94	-2908.28	-
1.326e+04												
						239.0	87.92	127.29	127.69	-121.94	1.235e+04	
2014.17												
35	20	3473.58	2790.79	-0.12	0.0	0.0	411.24	166.22	28.47	-71.30	-4013.16	-
3.663e+04												
		-3.663e+04	-4013.16	0.33	0.0	119.5	462.18	166.22	28.47	-71.30	-611.18	-
1.658e+04												
						239.0	513.11	166.22	28.47	-71.30	2790.79	
3473.58												
35	21	4.359e+04	8674.75	0.17	0.0	0.0	-2017.27	-212.99	-60.31	67.80	8674.75	
4.359e+04												

		-7686.16	-5738.70	-0.43	0.0	119.5	-1966.33	-212.99	-60.31	67.80	1468.03	1.795e+04
						239.0	-1915.39	-212.99	-60.31	67.80	-5738.70	-7686.16
35	22	3.550e+04	2.283e+04	0.14	0.0	0.0	-1592.07	-174.05	-159.53	118.44	2.283e+04	3.550e+04
		-6226.75	-1.530e+04	0.06	0.0	119.5	-1541.13	-174.05	-159.53	118.44	3765.12	1.464e+04
						239.0	-1490.20	-174.05	-159.53	118.44	-1.530e+04	-6226.75
35	23	3579.09	1.336e+04	-0.09	0.0	0.0	35.79	121.50	138.29	-131.39	-1.970e+04	-2.729e+04
		-2.729e+04	-1.970e+04	-0.16	0.0	119.5	86.73	121.50	138.29	-131.39	-3169.80	-1.186e+04
						239.0	137.66	121.50	138.29	-131.39	1.336e+04	3579.09
35	24	1908.66	1785.34	-0.12	0.0	0.0	361.49	172.01	17.86	-61.85	-2484.66	-3.787e+04
		-3.787e+04	-2484.66	0.33	0.0	119.5	412.43	172.01	17.86	-61.85	-349.66	-1.798e+04
						239.0	463.37	172.01	17.86	-61.85	1785.34	1908.66
35	25	4.484e+04	7146.25	0.17	0.0	0.0	-1967.52	-218.77	-49.70	58.35	7146.25	4.484e+04
		-6121.24	-4733.24	-0.43	0.0	119.5	-1916.58	-218.77	-49.70	58.35	1206.51	1.936e+04
						239.0	-1865.65	-218.77	-49.70	58.35	-4733.24	-6121.24
35	26	3.426e+04	2.436e+04	0.14	0.0	0.0	-1641.82	-168.26	-170.13	127.89	2.436e+04	3.426e+04
		-7791.67	-1.630e+04	0.06	0.0	119.5	-1590.88	-168.26	-170.13	127.89	4026.64	1.323e+04
						239.0	-1539.94	-168.26	-170.13	127.89	-1.630e+04	-7791.67
35	27	6745.69	1.701e+04	0.04	0.0	0.0	-1236.09	-40.15	175.98	-113.19	-2.505e+04	6745.69
		-3176.65	-2.505e+04	-0.84	0.0	119.5	-1185.15	-40.15	175.98	-113.19	-4022.01	1784.52
						239.0	-1134.21	-40.15	175.98	-113.19	1.701e+04	-3176.65
35	28	1688.03	2.213e+04	-0.06	0.0	0.0	181.23	89.64	-154.76	55.61	2.213e+04	-2.023e+04
		-2.023e+04	-1.486e+04	0.81	0.0	119.5	232.17	89.64	-154.76	55.61	3634.97	-9272.05
						239.0	283.11	89.64	-154.76	55.61	-1.486e+04	1688.03
35	29	2.720e+04	1.191e+04	0.11	0.0	0.0	-1787.26	-136.40	122.92	-59.11	-1.747e+04	2.720e+04
		-5900.61	-1.747e+04	-0.92	0.0	119.5	-1736.32	-136.40	122.92	-59.11	-2778.13	1.065e+04
						239.0	-1685.38	-136.40	122.92	-59.11	1.191e+04	-5900.61
35	30	217.88	2.971e+04	0.02	0.0	0.0	-369.94	-6.61	-207.82	109.69	2.971e+04	217.88
		-1035.93	-1.996e+04	0.73	0.0	119.5	-319.00	-6.61	-207.82	109.69	4878.85	-409.02
						239.0	-268.06	-6.61	-207.82	109.69	-1.996e+04	1035.93
35	31	6151.08	1.717e+04	0.04	0.0	0.0	-1211.18	-37.24	177.65	-114.61	-2.529e+04	6151.08
		-3083.58	-2.529e+04	-0.84	0.0	119.5	-1160.24	-37.24	177.65	-114.61	-4056.52	1533.75
						239.0	-1109.30	-37.24	177.65	-114.61	1.717e+04	-3083.58
35	32	1781.10	2.190e+04	-0.06	0.0	0.0	206.14	92.55	-153.09	54.19	2.190e+04	-2.083e+04
		-2.083e+04	-1.469e+04	0.81	0.0	119.5	257.08	92.55	-153.09	54.19	3600.47	-9522.81
						239.0	308.02	92.55	-153.09	54.19	-1.469e+04	1781.10
35	33	2.779e+04	1.175e+04	0.11	0.0	0.0	-1812.17	-139.32	121.25	-57.69	-1.723e+04	2.779e+04
		-5993.68	-1.723e+04	-0.92	0.0	119.5	-1761.23	-139.32	121.25	-57.69	-2743.63	

1.090e+04												
						239.0	-1710.29	-139.32	121.25	-57.69	1.175e+04	-
5993.68												
35	34	812.49	2.995e+04	0.02	0.0	0.0	-394.85	-9.53	-209.49	111.11	2.995e+04	812.49
		-1129.00	-2.012e+04	0.73	0.0	119.5	-343.91	-9.53	-209.49	111.11	4913.36	-
158.25												
						239.0	-292.98	-9.53	-209.49	111.11	-2.012e+04	-
1129.00												
35	35	1.089e+04	2.036e+04	0.04	0.0	0.0	-1070.27	-59.44	211.33	-144.69	-3.015e+04	
1.089e+04												
		2039.75	-3.015e+04	-0.83	0.0	119.5	-1019.33	-59.44	211.33	-144.69	-4893.75	
6463.60												
						239.0	-968.39	-59.44	211.33	-144.69	2.036e+04	
2039.75												
35	36	-3528.37	2.722e+04	-0.06	0.0	0.0	15.41	108.94	-190.10	87.11	2.722e+04	-
2.437e+04												
		-2.437e+04	-1.821e+04	0.80	0.0	119.5	66.35	108.94	-190.10	87.11	4506.71	-
1.395e+04												
						239.0	117.29	108.94	-190.10	87.11	-1.821e+04	-
3528.37												
35	37	3.134e+04	1.526e+04	0.12	0.0	0.0	-1621.44	-155.70	158.26	-90.61	-2.256e+04	
3.134e+04												
		-684.21	-2.256e+04	-0.91	0.0	119.5	-1570.50	-155.70	158.26	-90.61	-3649.87	
1.533e+04												
						239.0	-1519.56	-155.70	158.26	-90.61	1.526e+04	-
684.21												
35	38	-3923.89	3.481e+04	0.01	0.0	0.0	-535.76	12.68	-243.17	141.19	3.481e+04	-
3923.89												
		-6252.32	-2.331e+04	0.72	0.0	119.5	-484.82	12.68	-243.17	141.19	5750.59	-
5088.11												
						239.0	-433.88	12.68	-243.17	141.19	-2.331e+04	-
6252.32												
35	39	1.029e+04	2.053e+04	0.04	0.0	0.0	-1045.36	-56.53	212.99	-146.11	-3.038e+04	
1.029e+04												
		2132.82	-3.038e+04	-0.83	0.0	119.5	-994.42	-56.53	212.99	-146.11	-4928.26	
6212.83												
						239.0	-943.48	-56.53	212.99	-146.11	2.053e+04	
2132.82												
35	40	-3435.30	2.699e+04	-0.06	0.0	0.0	40.32	111.85	-188.43	85.69	2.699e+04	-
2.497e+04												
		-2.497e+04	-1.805e+04	0.80	0.0	119.5	91.26	111.85	-188.43	85.69	4472.21	-
1.420e+04												
						239.0	142.20	111.85	-188.43	85.69	-1.805e+04	-
3435.30												
35	41	3.193e+04	1.510e+04	0.12	0.0	0.0	-1646.35	-158.61	156.60	-89.19	-2.233e+04	
3.193e+04												
		-777.28	-2.233e+04	-0.91	0.0	119.5	-1595.41	-158.61	156.60	-89.19	-3615.36	
1.558e+04												
						239.0	-1544.48	-158.61	156.60	-89.19	1.510e+04	-
777.28												
35	42	-3329.28	3.504e+04	0.02	0.0	0.0	-560.67	9.77	-244.83	142.61	3.504e+04	-
3329.28												
		-6345.39	-2.347e+04	0.72	0.0	119.5	-509.73	9.77	-244.83	142.61	5785.10	-
4837.34												
						239.0	-458.79	9.77	-244.83	142.61	-2.347e+04	-
6345.39												
35	43	914.75	9009.18	-0.06	0.0	0.0	-243.28	88.45	93.10	-92.91	-1.324e+04	-
2.034e+04												
		-2.034e+04	-1.324e+04	-0.14	0.0	119.5	-192.34	88.45	93.10	-92.91	-2116.37	-
9712.13												
						239.0	-141.40	88.45	93.10	-92.91	9009.18	914.75
35	44	2023.90	1445.72	-0.08	0.0	0.0	90.26	119.06	14.59	-52.88	-2041.04	-
2.672e+04												
		-2.672e+04	-2041.04	0.25	0.0	119.5	141.19	119.06	14.59	-52.88	-297.66	-
1.235e+04												
						239.0	192.13	119.06	14.59	-52.88	1445.72	
2023.90												
35	45	3.369e+04	6702.63	0.14	0.0	0.0	-1696.28	-165.83	-46.43	49.38	6702.63	
3.369e+04												
		-6236.48	-4393.63	-0.35	0.0	119.5	-1645.35	-165.83	-46.43	49.38	1154.50	
1.373e+04												
						239.0	-1594.41	-165.83	-46.43	49.38	-4393.63	-

6236.48												
35	46	2.730e+04	1.790e+04	0.11	0.0	0.0	-1362.75	-135.21	-124.94	89.41	1.790e+04	
2.730e+04												
		-5127.33	-1.196e+04	0.04	0.0	119.5	-1311.81	-135.21	-124.94	89.41	2973.22	
1.109e+04												
						239.0	-1260.87	-135.21	-124.94	89.41	-1.196e+04	-
5127.33												
35	47	2110.62	9808.34	-0.06	0.0	0.0	-203.28	83.83	101.52	-100.41	-1.446e+04	-
1.935e+04												
		-1.935e+04	-1.446e+04	-0.14	0.0	119.5	-152.35	83.83	101.52	-100.41	-2323.70	-
8619.70												
						239.0	-101.41	83.83	101.52	-100.41	9808.34	
2110.62												
35	48	828.03	646.56	-0.08	0.0	0.0	50.26	123.68	6.16	-45.37	-827.23	-
2.771e+04												
		-2.771e+04	-827.23	0.25	0.0	119.5	101.20	123.68	6.16	-45.37	-90.34	-
1.344e+04												
						239.0	152.14	123.68	6.16	-45.37	646.56	828.03
35	49	3.468e+04	5488.82	0.14	0.0	0.0	-1656.29	-170.45	-38.00	41.87	5488.82	
3.468e+04												
		-5040.61	-3594.46	-0.35	0.0	119.5	-1605.35	-170.45	-38.00	41.87	947.18	
1.482e+04												
						239.0	-1554.41	-170.45	-38.00	41.87	-3594.46	-
5040.61												
35	50	2.631e+04	1.912e+04	0.11	0.0	0.0	-1402.74	-130.59	-133.36	96.91	1.912e+04	
2.631e+04												
		-6323.20	-1.276e+04	0.04	0.0	119.5	-1351.80	-130.59	-133.36	96.91	3180.54	
9995.20												
						239.0	-1300.87	-130.59	-133.36	96.91	-1.276e+04	-
6323.20												
35	51	1160.11	9440.21	-0.07	0.0	0.0	-177.81	96.15	97.45	-96.63	-1.385e+04	-
2.191e+04												
		-2.191e+04	-1.385e+04	-0.14	0.0	119.5	-126.87	96.15	97.45	-96.63	-2205.83	-
1.037e+04												
						239.0	-75.94	96.15	97.45	-96.63	9440.21	
1160.11												
35	52	2269.26	1876.76	-0.09	0.0	0.0	155.72	126.76	18.94	-56.60	-2650.99	-
2.830e+04												
		-2.830e+04	-2650.99	0.25	0.0	119.5	206.66	126.76	18.94	-56.60	-387.11	-
1.301e+04												
						239.0	257.60	126.76	18.94	-56.60	1876.76	
2269.26												
35	53	3.526e+04	7312.58	0.14	0.0	0.0	-1761.75	-173.52	-50.78	53.10	7312.58	
3.526e+04												
		-6481.84	-4824.66	-0.35	0.0	119.5	-1710.81	-173.52	-50.78	53.10	1243.96	
1.439e+04												
						239.0	-1659.88	-173.52	-50.78	53.10	-4824.66	-
6481.84												
35	54	2.887e+04	1.851e+04	0.12	0.0	0.0	-1428.21	-142.91	-129.29	93.13	1.851e+04	
2.887e+04												
		-5372.69	-1.239e+04	0.04	0.0	119.5	-1377.28	-142.91	-129.29	93.13	3062.67	
1.175e+04												
						239.0	-1326.34	-142.91	-129.29	93.13	-1.239e+04	-
5372.69												
35	55	2355.98	1.024e+04	-0.06	0.0	0.0	-137.82	91.53	105.88	-104.13	-1.507e+04	-
2.092e+04												
		-2.092e+04	-1.507e+04	-0.14	0.0	119.5	-86.88	91.53	105.88	-104.13	-2413.15	-
9282.38												
						239.0	-35.94	91.53	105.88	-104.13	1.024e+04	
2355.98												
35	56	1073.39	1077.59	-0.09	0.0	0.0	115.73	131.38	10.52	-49.09	-1437.18	-
2.928e+04												
		-2.928e+04	-1437.18	0.25	0.0	119.5	166.67	131.38	10.52	-49.09	-179.79	-
1.411e+04												
						239.0	217.60	131.38	10.52	-49.09	1077.59	
1073.39												
35	57	3.625e+04	6098.77	0.14	0.0	0.0	-1721.76	-178.14	-42.36	45.59	6098.77	
3.625e+04												
		-5285.97	-4025.50	-0.35	0.0	119.5	-1670.82	-178.14	-42.36	45.59	1036.63	
1.548e+04												
						239.0	-1619.88	-178.14	-42.36	45.59	-4025.50	-
5285.97												

35	58	2.788e+04	1.973e+04	0.12	0.0	0.0	-1468.21	-138.29	-137.72	100.63	1.973e+04	2.788e+04
		-6568.56	-1.319e+04	0.04	0.0	119.5	-1417.27	-138.29	-137.72	100.63	3270.00	1.066e+04
						239.0	-1366.33	-138.29	-137.72	100.63	-1.319e+04	-6568.56
35	59	6020.71	1.314e+04	0.04	0.0	0.0	-1140.96	-36.26	135.86	-89.81	-1.933e+04	6020.71
		-2882.19	-1.933e+04	-0.67	0.0	119.5	-1090.02	-36.26	135.86	-89.81	-3093.40	1569.26
						239.0	-1039.08	-36.26	135.86	-89.81	1.314e+04	-2882.19
35	60	814.97	1.801e+04	-0.04	0.0	0.0	-29.17	65.78	-125.84	43.62	1.801e+04	-1.527e+04
		-1.527e+04	-1.207e+04	0.63	0.0	119.5	21.77	65.78	-125.84	43.62	2968.98	-7225.20
						239.0	72.71	65.78	-125.84	43.62	-1.207e+04	814.97
35	61	2.223e+04	9121.39	0.09	0.0	0.0	-1576.86	-112.54	94.00	-47.12	-1.335e+04	2.223e+04
		-5027.55	-1.335e+04	-0.74	0.0	119.5	-1525.92	-112.54	94.00	-47.12	-2112.14	8600.69
						239.0	-1474.98	-112.54	94.00	-47.12	9121.39	-5027.55
35	62	942.86	2.399e+04	0.02	0.0	0.0	-465.07	-10.50	-167.70	86.31	2.399e+04	942.86
		-1330.39	-1.609e+04	0.57	0.0	119.5	-414.13	-10.50	-167.70	86.31	3950.25	-193.77
						239.0	-363.19	-10.50	-167.70	86.31	-1.609e+04	-1330.39
35	63	5549.49	1.327e+04	0.03	0.0	0.0	-1121.32	-33.95	137.16	-90.92	-1.951e+04	5549.49
		-2808.58	-1.951e+04	-0.67	0.0	119.5	-1070.38	-33.95	137.16	-90.92	-3120.24	1370.46
						239.0	-1019.44	-33.95	137.16	-90.92	1.327e+04	-2808.58
35	64	888.58	1.782e+04	-0.04	0.0	0.0	-9.53	68.09	-124.53	42.51	1.782e+04	-1.574e+04
		-1.574e+04	-1.194e+04	0.63	0.0	119.5	41.41	68.09	-124.53	42.51	2942.15	-7424.00
						239.0	92.35	68.09	-124.53	42.51	-1.194e+04	888.58
35	65	2.270e+04	8992.08	0.10	0.0	0.0	-1596.50	-114.85	92.69	-46.01	-1.316e+04	2.270e+04
		-5101.16	-1.316e+04	-0.74	0.0	119.5	-1545.56	-114.85	92.69	-46.01	-2085.30	8799.50
						239.0	-1494.62	-114.85	92.69	-46.01	8992.08	-5101.16
35	66	1414.07	2.417e+04	0.02	0.0	0.0	-484.71	-12.81	-169.00	87.42	2.417e+04	1414.07
		-1404.00	-1.622e+04	0.57	0.0	119.5	-433.77	-12.81	-169.00	87.42	3977.08	5.04
						239.0	-382.83	-12.81	-169.00	87.42	-1.622e+04	-1404.00
35	67	9317.37	1.581e+04	0.04	0.0	0.0	-1007.64	-51.66	163.94	-114.82	-2.338e+04	9317.37
		1104.04	-2.338e+04	-0.67	0.0	119.5	-956.70	-51.66	163.94	-114.82	-3784.48	5210.71
						239.0	-905.77	-51.66	163.94	-114.82	1.581e+04	-1104.04
35	68	-3171.25	2.205e+04	-0.04	0.0	0.0	-162.48	81.18	-153.92	68.64	2.205e+04	-1.856e+04
		-1.856e+04	-1.473e+04	0.62	0.0	119.5	-111.55	81.18	-153.92	68.64	3660.06	-1.087e+04
						239.0	-60.61	81.18	-153.92	68.64	-1.473e+04	3171.25
35	69	2.553e+04	1.179e+04	0.10	0.0	0.0	-1443.54	-127.95	122.08	-72.14	-1.739e+04	2.553e+04
		-1041.32	-1.739e+04	-0.73	0.0	119.5	-1392.60	-127.95	122.08	-72.14	-2803.22	1.224e+04
						239.0	-1341.67	-127.95	122.08	-72.14	1.179e+04	-1041.32
35	70	-2353.80	2.804e+04	0.02	0.0	0.0	-598.39	4.90	-195.77	111.32	2.804e+04	-2353.80
		-5316.62	-1.875e+04	0.56	0.0	119.5	-547.45	4.90	-195.77	111.32	4641.32	-3835.21

						239.0	-496.51	4.90	-195.77	111.32	-1.875e+04	-	5316.62
35	71	8846.16	1.594e+04	0.04	0.0	0.0	-988.00	-49.36	165.24	-115.94	-2.356e+04		8846.16
		1177.65	-2.356e+04	-0.67	0.0	119.5	-937.06	-49.36	165.24	-115.94	-3811.32		5011.90
						239.0	-886.13	-49.36	165.24	-115.94	1.594e+04		1177.65
35	72	-3097.65	2.187e+04	-0.05	0.0	0.0	-142.84	83.49	-152.61	67.52	2.187e+04	-	1.903e+04
		-1.903e+04	-1.460e+04	0.62	0.0	119.5	-91.91	83.49	-152.61	67.52	3633.22	-	1.107e+04
						239.0	-40.97	83.49	-152.61	67.52	-1.460e+04	-	3097.65
35	73	2.600e+04	1.166e+04	0.10	0.0	0.0	-1463.18	-130.26	120.77	-71.02	-1.721e+04		2.600e+04
		-1114.93	-1.721e+04	-0.73	0.0	119.5	-1412.24	-130.26	120.77	-71.02	-2776.38		1.244e+04
						239.0	-1361.31	-130.26	120.77	-71.02	1.166e+04	-	1114.93
35	74	-1882.59	2.822e+04	0.02	0.0	0.0	-618.03	2.59	-197.08	112.44	2.822e+04	-	1882.59
		-5390.23	-1.888e+04	0.56	0.0	119.5	-567.09	2.59	-197.08	112.44	4668.16	-	3636.41
						239.0	-516.15	2.59	-197.08	112.44	-1.888e+04	-	5390.23
35	75	390.68	7197.56	-0.04	0.0	0.0	-340.18	69.03	74.26	-77.17	-1.055e+04	-	1.620e+04
		-1.620e+04	-1.055e+04	-0.13	0.0	119.5	-289.24	69.03	74.26	-77.17	-1676.77	-	7906.32
						239.0	-238.31	69.03	74.26	-77.17	7197.56	390.68	
35	76	1309.90	946.23	-0.06	0.0	0.0	-64.34	94.34	9.37	-44.08	-1293.41	-	2.148e+04
		-2.148e+04	-1293.41	0.20	0.0	119.5	-13.40	94.34	9.37	-44.08	-173.59	-	1.009e+04
						239.0	37.54	94.34	9.37	-44.08	946.23		1309.90
35	77	2.845e+04	5954.99	0.12	0.0	0.0	-1541.69	-141.11	-41.21	40.58	5954.99		2.845e+04
		-5522.48	-3894.14	-0.30	0.0	119.5	-1490.75	-141.11	-41.21	40.58	1030.43		1.146e+04
						239.0	-1439.81	-141.11	-41.21	40.58	-3894.14	-	5522.48
35	78	2.317e+04	1.521e+04	0.10	0.0	0.0	-1265.84	-115.79	-106.10	73.67	1.521e+04		2.317e+04
		-4603.26	-1.015e+04	0.02	0.0	119.5	-1214.91	-115.79	-106.10	73.67	2533.62		9281.82
						239.0	-1163.97	-115.79	-106.10	73.67	-1.015e+04	-	4603.26
35	79	1381.34	7857.90	-0.04	0.0	0.0	-307.16	65.22	81.22	-83.37	-1.155e+04	-	1.539e+04
		-1.539e+04	-1.155e+04	-0.12	0.0	119.5	-256.22	65.22	81.22	-83.37	-1848.09	-	7002.46
						239.0	-205.29	65.22	81.22	-83.37	7857.90		1381.34
35	80	319.25	285.90	-0.06	0.0	0.0	-97.36	98.16	2.41	-37.88	-290.43	-	2.230e+04
		-2.230e+04	-290.43	0.20	0.0	119.5	-46.42	98.16	2.41	-37.88	-2.27	-	1.099e+04
						239.0	4.52	98.16	2.41	-37.88	285.90	319.25	
35	81	2.926e+04	4952.02	0.12	0.0	0.0	-1508.67	-144.92	-34.25	34.38	4952.02		2.926e+04
		-4531.83	-3233.80	-0.30	0.0	119.5	-1457.73	-144.92	-34.25	34.38	859.11		1.237e+04
						239.0	-1406.79	-144.92	-34.25	34.38	-3233.80	-	4531.83
35	82	2.235e+04	1.622e+04	0.10	0.0	0.0	-1298.87	-111.98	-113.06	79.87	1.622e+04		2.235e+04
		-5593.91	-1.081e+04	0.02	0.0	119.5	-1247.93	-111.98	-113.06	79.87	2704.93		8377.96
						239.0	-1196.99	-111.98	-113.06	79.87	-1.081e+04	-	5593.91

35	83	593.27	7552.47	-0.05	0.0	0.0	-286.12	75.39	77.85	-80.23	-1.105e+04	-1.750e+04
		-1.750e+04	-1.105e+04	-0.13	0.0	119.5	-235.18	75.39	77.85	-80.23	-1750.41	-8454.10
						239.0	-184.25	75.39	77.85	-80.23	7552.47	593.27
35	84	1512.49	1301.14	-0.07	0.0	0.0	-10.27	100.70	12.96	-47.14	-1795.59	-2.278e+04
		-2.278e+04	-1795.59	0.20	0.0	119.5	40.66	100.70	12.96	-47.14	-247.22	-1.063e+04
						239.0	91.60	100.70	12.96	-47.14	1301.14	1512.49
35	85	2.974e+04	6457.17	0.12	0.0	0.0	-1595.75	-147.47	-44.80	43.64	6457.17	2.974e+04
		-5725.07	-4249.04	-0.30	0.0	119.5	-1544.81	-147.47	-44.80	43.64	1104.07	1.201e+04
						239.0	-1493.88	-147.47	-44.80	43.64	-4249.04	-5725.07
35	86	2.447e+04	1.571e+04	0.10	0.0	0.0	-1319.91	-122.15	-109.68	76.73	1.571e+04	2.447e+04
		-4805.85	-1.050e+04	0.02	0.0	119.5	-1268.97	-122.15	-109.68	76.73	2607.25	9829.60
						239.0	-1218.03	-122.15	-109.68	76.73	-1.050e+04	-4805.85
35	87	1583.92	8212.81	-0.05	0.0	0.0	-253.10	71.57	84.81	-86.43	-1.206e+04	-1.668e+04
		-1.668e+04	-1.206e+04	-0.13	0.0	119.5	-202.16	71.57	84.81	-86.43	-1921.73	-7550.24
						239.0	-151.22	71.57	84.81	-86.43	8212.81	1583.92
35	88	521.83	640.80	-0.07	0.0	0.0	-43.30	104.52	6.00	-40.94	-792.61	-2.360e+04
		-2.360e+04	-792.61	0.19	0.0	119.5	7.64	104.52	6.00	-40.94	-75.91	-1.154e+04
						239.0	58.58	104.52	6.00	-40.94	640.80	521.83
35	89	3.056e+04	5454.20	0.12	0.0	0.0	-1562.73	-151.28	-37.84	37.44	5454.20	3.056e+04
		-4734.41	-3588.70	-0.30	0.0	119.5	-1511.79	-151.28	-37.84	37.44	932.75	1.291e+04
						239.0	-1460.85	-151.28	-37.84	37.44	-3588.70	-4734.41
35	90	2.365e+04	1.672e+04	0.10	0.0	0.0	-1352.93	-118.34	-116.64	82.93	1.672e+04	2.365e+04
		-5796.50	-1.116e+04	0.02	0.0	119.5	-1301.99	-118.34	-116.64	82.93	2778.57	8925.74
						239.0	-1251.05	-118.34	-116.64	82.93	-1.116e+04	-5796.50
35	91	5582.47	1.061e+04	0.03	0.0	0.0	-1082.53	-34.05	109.55	-74.56	-1.557e+04	5582.47
		-2751.35	-1.557e+04	-0.57	0.0	119.5	-1031.59	-34.05	109.55	-74.56	-2482.97	1415.56
						239.0	-980.65	-34.05	109.55	-74.56	1.061e+04	-2751.35
35	92	312.72	1.528e+04	-0.03	0.0	0.0	-163.04	50.33	-106.75	35.74	1.528e+04	-1.201e+04
		-1.201e+04	-1.023e+04	0.51	0.0	119.5	-112.11	50.33	-106.75	35.74	2527.65	-5850.45
						239.0	-61.17	50.33	-106.75	35.74	-1.023e+04	312.72
35	93	1.898e+04	7281.18	0.08	0.0	0.0	-1442.98	-97.09	74.91	-39.24	-1.062e+04	1.898e+04
		-4525.30	-1.062e+04	-0.62	0.0	119.5	-1392.04	-97.09	74.91	-39.24	-1670.81	7225.94
						239.0	-1341.11	-97.09	74.91	-39.24	7281.18	-4525.30
35	94	1381.10	2.024e+04	0.02	0.0	0.0	-523.50	-12.72	-141.39	71.06	2.024e+04	1381.10
		-1461.23	-1.356e+04	0.46	0.0	119.5	-472.56	-12.72	-141.39	71.06	3339.81	-40.07
						239.0	-421.62	-12.72	-141.39	71.06	-1.356e+04	-1461.23
35	95	5193.03	1.072e+04	0.03	0.0	0.0	-1066.31	-32.14	110.63	-75.48	-1.573e+04	5193.03
		-2690.57	-1.573e+04	-0.57	0.0	119.5	-1015.37	-32.14	110.63	-75.48	-2505.06	1251.23

						239.0	-964.44	-32.14	110.63	-75.48	1.072e+04	-	
2690.57													
35	96	373.49	1.513e+04	-0.03	0.0	0.0	-146.83	52.23	-105.67	34.82	1.513e+04	-	
1.240e+04													
		-1.240e+04	-1.012e+04	0.51	0.0	119.5	-95.89	52.23	-105.67	34.82	2505.56	-	
6014.78													
						239.0	-44.95	52.23	-105.67	34.82	-1.012e+04	373.49	
35	97	1.937e+04	7174.71	0.08	0.0	0.0	-1459.20	-99.00	73.83	-38.32	-1.047e+04		
1.937e+04													
		-4586.07	-1.047e+04	-0.62	0.0	119.5	-1408.26	-99.00	73.83	-38.32	-1648.72		
7390.28													
						239.0	-1357.33	-99.00	73.83	-38.32	7174.71	-	
4586.07													
35	98	1770.54	2.039e+04	0.02	0.0	0.0	-539.72	-14.62	-142.46	71.98	2.039e+04		
1770.54													
		-1522.01	-1.366e+04	0.46	0.0	119.5	-488.78	-14.62	-142.46	71.98	3361.90	124.27	
						239.0	-437.84	-14.62	-142.46	71.98	-1.366e+04	-	
1522.01													
35	99	8306.03	1.281e+04	0.04	0.0	0.0	-972.46	-46.77	132.75	-95.23	-1.892e+04		
8306.03													
		550.83	-1.892e+04	-0.56	0.0	119.5	-921.52	-46.77	132.75	-95.23	-3054.03		
4428.43													
						239.0	-870.58	-46.77	132.75	-95.23	1.281e+04	550.83	
35	100	-2989.46	1.863e+04	-0.03	0.0	0.0	-273.12	63.05	-129.95	56.41	1.863e+04	-	
1.474e+04													
		-1.474e+04	-1.243e+04	0.51	0.0	119.5	-222.18	63.05	-129.95	56.41	3098.71	-	
8863.32													
						239.0	-171.24	63.05	-129.95	56.41	-1.243e+04	-	
2989.46													
35	101	2.170e+04	9482.30	0.08	0.0	0.0	-1332.91	-109.81	98.11	-59.91	-1.397e+04		
2.170e+04													
		-1223.12	-1.397e+04	-0.61	0.0	119.5	-1281.97	-109.81	98.11	-59.91	-2241.87		
1.024e+04													
						239.0	-1231.03	-109.81	98.11	-59.91	9482.30	-	
1223.12													
35	102	-1342.46	2.358e+04	0.02	0.0	0.0	-633.57	6.75e-03	-164.59	91.73	2.358e+04	-	
1342.46													
		-4763.41	-1.576e+04	0.45	0.0	119.5	-582.63	6.75e-03	-164.59	91.73	3910.87	-	
3052.93													
						239.0	-531.70	6.75e-03	-164.59	91.73	-1.576e+04	-	
4763.41													
35	103	7916.59	1.292e+04	0.03	0.0	0.0	-956.24	-44.86	133.83	-96.15	-1.907e+04		
7916.59													
		611.60	-1.907e+04	-0.56	0.0	119.5	-905.30	-44.86	133.83	-96.15	-3076.12		
4264.09													
						239.0	-854.36	-44.86	133.83	-96.15	1.292e+04	611.60	
35	104	-2928.68	1.848e+04	-0.03	0.0	0.0	-256.90	64.96	-128.87	55.49	1.848e+04	-	
1.513e+04													
		-1.513e+04	-1.232e+04	0.51	0.0	119.5	-205.96	64.96	-128.87	55.49	3076.62	-	
9027.65													
						239.0	-155.02	64.96	-128.87	55.49	-1.232e+04	-	
2928.68													
35	105	2.209e+04	9375.83	0.09	0.0	0.0	-1349.13	-111.72	97.03	-58.99	-1.382e+04		
2.209e+04													
		-1283.90	-1.382e+04	-0.61	0.0	119.5	-1298.19	-111.72	97.03	-58.99	-2219.78		
1.040e+04													
						239.0	-1247.25	-111.72	97.03	-58.99	9375.83	-	
1283.90													
35	106	-953.02	2.373e+04	0.02	0.0	0.0	-649.79	-1.90	-165.66	92.65	2.373e+04	-	
953.02													
		-4824.18	-1.586e+04	0.45	0.0	119.5	-598.85	-1.90	-165.66	92.65	3932.96	-	
2888.60													
						239.0	-547.91	-1.90	-165.66	92.65	-1.586e+04	-	
4824.18													
41	1	3933.30	517.35	-8.57e-04	0.0	0.0	-198.33	133.99	-28.56	-2.89	517.35		
1470.01													
		1470.01	-7.70	-1.84e-03	0.0	9.2	-195.71	133.99	-28.56	-2.89	254.83		
2701.66													
						18.4	-193.08	133.99	-28.56	-2.89	-7.70		
3933.30													
41	2	2.377e+04	2257.98	-4.39e-03	0.0	0.0	-1191.72	788.45	-124.01	-11.55	2257.98		
9272.46													

		9272.46	-21.91	-0.01	0.0	9.2	-1189.10	788.45	-124.01	-11.55	1118.04	
1.652e+04												
						18.4	-1186.47	788.45	-124.01	-11.55	-21.91	
2.377e+04												
41	3	2651.31	365.11	-5.93e-04	0.0	0.0	-133.82	90.72	-20.17	-2.06	365.11	983.53
		983.53	-5.65	-1.25e-03	0.0	9.2	-131.80	90.72	-20.17	-2.06	179.73	
1817.42												
						18.4	-129.78	90.72	-20.17	-2.06	-5.65	
2651.31												
41	4	2.249e+04	2105.74	-4.13e-03	0.0	0.0	-1127.21	745.17	-115.62	-10.72	2105.74	
8785.98												
		8785.98	-19.86	-9.82e-03	0.0	9.2	-1125.19	745.17	-115.62	-10.72	1042.94	
1.564e+04												
						18.4	-1123.17	745.17	-115.62	-10.72	-19.86	
2.249e+04												
41	5	2862.87	383.68	-6.30e-04	0.0	0.0	-144.41	97.70	-21.19	-2.15	383.68	
1066.76												
		1066.76	-5.80	-1.34e-03	0.0	9.2	-142.39	97.70	-21.19	-2.15	188.94	
1964.82												
						18.4	-140.37	97.70	-21.19	-2.15	-5.80	
2862.87												
41	6	1.609e+04	1544.10	-2.99e-03	0.0	0.0	-806.67	534.00	-84.82	-7.93	1544.10	
6268.39												
		6268.39	-15.28	-7.05e-03	0.0	9.2	-804.65	534.00	-84.82	-7.93	764.41	
1.118e+04												
						18.4	-802.63	534.00	-84.82	-7.93	-15.28	
1.609e+04												
41	7	2862.87	383.68	-6.30e-04	0.0	0.0	-144.41	97.70	-21.19	-2.15	383.68	
1066.76												
		1066.76	-5.80	-1.34e-03	0.0	9.2	-142.39	97.70	-21.19	-2.15	188.94	
1964.82												
						18.4	-140.37	97.70	-21.19	-2.15	-5.80	
2862.87												
41	8	1.212e+04	1195.97	-2.28e-03	0.0	0.0	-607.99	403.11	-65.73	-6.19	1195.97	
4707.90												
		4707.90	-12.43	-5.34e-03	0.0	9.2	-605.97	403.11	-65.73	-6.19	591.77	
8413.42												
						18.4	-603.95	403.11	-65.73	-6.19	-12.43	
1.212e+04												
41	9	2862.87	383.68	-6.30e-04	0.0	0.0	-144.41	97.70	-21.19	-2.15	383.68	
1066.76												
		1066.76	-5.80	-1.34e-03	0.0	9.2	-142.39	97.70	-21.19	-2.15	188.94	
1964.82												
						18.4	-140.37	97.70	-21.19	-2.15	-5.80	
2862.87												
41	10	1.080e+04	1079.93	-2.05e-03	0.0	0.0	-541.77	359.48	-59.37	-5.61	1079.93	
4187.74												
		4187.74	-11.49	-4.77e-03	0.0	9.2	-539.75	359.48	-59.37	-5.61	534.22	
7492.19												
						18.4	-537.73	359.48	-59.37	-5.61	-11.49	
1.080e+04												
41	11	9576.31	6742.59	0.06	0.0	0.0	-1060.40	1066.78	-373.56	-40.86	6742.59	-
7605.98												
		-7605.98	-126.12	1.43e-03	0.0	9.2	-1058.38	1066.78	-373.56	-40.86	3308.23	985.17
						18.4	-1056.36	1066.78	-373.56	-40.86	-126.12	
9576.31												
41	12	3624.28	2014.93	0.06	0.0	0.0	-748.08	706.29	-111.23	-9.62	2014.93	-
4586.73												
		-4586.73	-30.84	5.56e-03	0.0	9.2	-746.06	706.29	-111.23	-9.62	992.04	-
481.23												
						18.4	-744.04	706.29	-111.23	-9.62	-30.84	
3624.28												
41	13	1.797e+04	144.94	-0.07	0.0	0.0	-335.45	12.67	-7.51	-1.61	144.94	
1.296e+04												
		1.296e+04	7.86	-0.02	0.0	9.2	-333.43	12.67	-7.51	-1.61	76.40	
1.547e+04												
						18.4	-331.41	12.67	-7.51	-1.61	7.86	
1.797e+04												
41	14	1.598e+04	103.14	-0.06	0.0	0.0	-23.14	-347.82	254.83	29.63	-4582.72	
1.598e+04												
		1.202e+04	-4582.72	-0.01	0.0	9.2	-21.11	-347.82	254.83	29.63	-2239.79	
1.400e+04												

						18.4	-19.09	-347.82	254.83	29.63	103.14	
1.202e+04												
41	15	9400.37	6611.80	0.06	0.0	0.0	-1051.45	1055.13	-366.32	-39.94	6611.80	-
7494.69												
		-7494.69	-123.83	1.48e-03	0.0	9.2	-1049.43	1055.13	-366.32	-39.94	3243.99	952.84
						18.4	-1047.41	1055.13	-366.32	-39.94	-123.83	
9400.37												
41	16	3800.23	2145.71	0.06	0.0	0.0	-757.04	717.94	-118.46	-10.55	2145.71	-
4698.02												
		-4698.02	-33.13	5.52e-03	0.0	9.2	-755.02	717.94	-118.46	-10.55	1056.29	-
448.90												
						18.4	-753.00	717.94	-118.46	-10.55	-33.13	
3800.23												
41	17	1.779e+04	14.15	-0.07	0.0	0.0	-326.50	1.02	-0.27	-0.68	14.15	
1.307e+04												
		1.307e+04	10.15	-0.02	0.0	9.2	-324.48	1.02	-0.27	-0.68	12.15	
1.543e+04												
						18.4	-322.46	1.02	-0.27	-0.68	10.15	
1.779e+04												
41	18	1.587e+04	100.85	-0.07	0.0	0.0	-32.09	-336.17	247.59	28.71	-4451.93	
1.587e+04												
		1.219e+04	-4451.93	-0.01	0.0	9.2	-30.07	-336.17	247.59	28.71	-2175.54	
1.403e+04												
						18.4	-28.05	-336.17	247.59	28.71	100.85	
1.219e+04												
41	19	9337.50	6930.23	0.06	0.0	0.0	-1052.17	1041.22	-383.93	-42.51	6930.23	-
6828.33												
		-6828.33	-129.04	1.83e-03	0.0	9.2	-1050.15	1041.22	-383.93	-42.51	3400.60	
1254.59												
						18.4	-1048.13	1041.22	-383.93	-42.51	-129.04	
9337.50												
41	20	3385.47	2202.57	0.06	0.0	0.0	-739.85	680.72	-121.59	-11.27	2202.57	-
3809.08												
		-3809.08	-33.76	5.96e-03	0.0	9.2	-737.83	680.72	-121.59	-11.27	1084.41	-
211.80												
						18.4	-735.81	680.72	-121.59	-11.27	-33.76	
3385.47												
41	21	1.821e+04	10.79	-0.06	0.0	0.0	-343.68	38.24	2.86	0.04	-42.71	
1.218e+04												
		1.218e+04	-42.71	-0.02	0.0	9.2	-341.66	38.24	2.86	0.04	-15.96	
1.520e+04												
						18.4	-339.64	38.24	2.86	0.04	10.79	
1.821e+04												
41	22	1.520e+04	106.07	-0.06	0.0	0.0	-31.37	-322.26	265.20	31.28	-4770.37	
1.520e+04												
		1.226e+04	-4770.37	-0.01	0.0	9.2	-29.35	-322.26	265.20	31.28	-2332.15	
1.373e+04												
						18.4	-27.33	-322.26	265.20	31.28	106.07	
1.226e+04												
41	23	9161.56	6799.44	0.06	0.0	0.0	-1043.22	1029.57	-376.69	-41.58	6799.44	-
6717.04												
		-6717.04	-126.75	1.88e-03	0.0	9.2	-1041.20	1029.57	-376.69	-41.58	3336.35	
1222.26												
						18.4	-1039.18	1029.57	-376.69	-41.58	-126.75	
9161.56												
41	24	3561.42	2333.36	0.06	0.0	0.0	-748.81	692.38	-128.83	-12.20	2333.36	-
3920.37												
		-3920.37	-36.05	5.92e-03	0.0	9.2	-746.79	692.38	-128.83	-12.20	1148.65	-
179.48												
						18.4	-744.77	692.38	-128.83	-12.20	-36.05	
3561.42												
41	25	1.803e+04	13.08	-0.06	0.0	0.0	-334.73	26.59	10.10	0.97	-173.50	
1.230e+04												
		1.230e+04	-173.50	-0.02	0.0	9.2	-332.71	26.59	10.10	0.97	-80.21	
1.516e+04												
						18.4	-330.69	26.59	10.10	0.97	13.08	
1.803e+04												
41	26	1.509e+04	103.78	-0.06	0.0	0.0	-40.32	-310.61	257.96	30.35	-4639.58	
1.509e+04												
		1.243e+04	-4639.58	-0.01	0.0	9.2	-38.30	-310.61	257.96	30.35	-2267.90	
1.376e+04												
						18.4	-36.28	-310.61	257.96	30.35	103.78	

1.243e+04												
41	27	1.946e+04	9949.01	0.01	0.0	0.0	-1171.04	1118.43	-551.50	-63.57	9949.01	-
3929.57												
		-3929.57	-190.39	-9.16e-03	0.0	9.2	-1169.02	1118.43	-551.50	-63.57	4879.31	
7764.11												
						18.4	-1167.00	1118.43	-551.50	-63.57	-190.39	
1.946e+04												
41	28	6134.59	127.22	0.02	0.0	0.0	-129.98	-83.23	322.95	40.56	-5809.86	
6134.59												
		-382.31	-5809.86	4.58e-03	0.0	9.2	-127.96	-83.23	322.95	40.56	-2841.32	
2876.14												
						18.4	-125.94	-83.23	322.95	40.56	127.22	-
382.31												
41	29	2.198e+04	7969.72	-0.02	0.0	0.0	-953.55	802.19	-441.68	-51.79	7969.72	
2240.88												
		2240.88	-150.19	-0.01	0.0	9.2	-951.53	802.19	-441.68	-51.79	3909.76	
1.211e+04												
						18.4	-949.51	802.19	-441.68	-51.79	-150.19	
2.198e+04												
41	30	1.231e+04	167.41	-0.02	0.0	0.0	87.50	-399.47	432.77	52.34	-7789.15	
1.231e+04												
		2135.50	-7789.15	5.44e-04	0.0	9.2	89.52	-399.47	432.77	52.34	-3810.87	
7220.27												
						18.4	91.54	-399.47	432.77	52.34	167.41	
2135.50												
41	31	1.939e+04	1.001e+04	0.01	0.0	0.0	-1168.57	1110.76	-554.61	-64.06	1.001e+04	-
3696.28												
		-3696.28	-191.26	-9.04e-03	0.0	9.2	-1166.55	1110.76	-554.61	-64.06	4907.02	
7844.94												
						18.4	-1164.53	1110.76	-554.61	-64.06	-191.26	
1.939e+04												
41	32	6367.89	126.34	0.02	0.0	0.0	-127.51	-90.90	319.84	40.07	-5753.56	
6367.89												
		-453.96	-5753.56	4.70e-03	0.0	9.2	-125.49	-90.90	319.84	40.07	-2813.61	
2956.97												
						18.4	-123.47	-90.90	319.84	40.07	126.34	-
453.96												
41	33	2.205e+04	7913.43	-0.02	0.0	0.0	-956.02	809.86	-438.57	-51.30	7913.43	
2007.59												
		2007.59	-149.32	-0.01	0.0	9.2	-954.00	809.86	-438.57	-51.30	3882.06	
1.203e+04												
						18.4	-951.98	809.86	-438.57	-51.30	-149.32	
2.205e+04												
41	34	1.207e+04	168.29	-0.02	0.0	0.0	85.03	-391.80	435.88	52.83	-7845.44	
1.207e+04												
		2207.14	-7845.44	5.04e-04	0.0	9.2	87.05	-391.80	435.88	52.83	-3838.58	
7139.45												
						18.4	89.07	-391.80	435.88	52.83	168.29	
2207.14												
41	35	1.887e+04	9513.05	0.02	0.0	0.0	-1141.19	1079.58	-527.37	-60.48	9513.05	-
3558.60												
		-3558.60	-182.75	-9.02e-03	0.0	9.2	-1139.17	1079.58	-527.37	-60.48	4665.15	
7656.35												
						18.4	-1137.15	1079.58	-527.37	-60.48	-182.75	
1.887e+04												
41	36	5763.62	119.58	0.02	0.0	0.0	-159.83	-44.39	298.82	37.47	-5373.90	
5763.62												
		204.17	-5373.90	4.44e-03	0.0	9.2	-157.81	-44.39	298.82	37.47	-2627.16	
2983.90												
						18.4	-155.79	-44.39	298.82	37.47	119.58	204.17
41	37	2.139e+04	7533.76	-0.02	0.0	0.0	-923.71	763.35	-417.55	-48.70	7533.76	
2611.85												
		2611.85	-142.56	-0.01	0.0	9.2	-921.69	763.35	-417.55	-48.70	3695.60	
1.200e+04												
						18.4	-919.67	763.35	-417.55	-48.70	-142.56	
2.139e+04												
41	38	1.193e+04	159.78	-0.02	0.0	0.0	57.66	-360.62	408.64	49.25	-7353.19	
1.193e+04												
		2721.98	-7353.19	-5.15e-04	0.0	9.2	59.68	-360.62	408.64	49.25	-3596.71	
7328.03												
						18.4	61.70	-360.62	408.64	49.25	159.78	
2721.98												

41	39	1.880e+04	9569.35	0.02	0.0	0.0	-1138.72	1071.91	-530.48	-60.97	9569.35	-3325.31
		-3325.31	-183.63	-8.90e-03	0.0	9.2	-1136.70	1071.91	-530.48	-60.97	4692.86	7737.18
						18.4	-1134.68	1071.91	-530.48	-60.97	-183.63	1.880e+04
41	40	5996.92	118.71	0.02	0.0	0.0	-157.36	-52.06	295.71	36.98	-5317.60	5996.92
		132.53	-5317.60	4.56e-03	0.0	9.2	-155.34	-52.06	295.71	36.98	-2599.45	3064.72
						18.4	-153.32	-52.06	295.71	36.98	118.71	132.53
41	41	2.146e+04	7477.47	-0.02	0.0	0.0	-926.18	771.02	-414.44	-48.21	7477.47	2378.56
		2378.56	-141.68	-0.01	0.0	9.2	-924.16	771.02	-414.44	-48.21	3667.89	1.192e+04
						18.4	-922.14	771.02	-414.44	-48.21	-141.68	2.146e+04
41	42	1.170e+04	160.65	-0.02	0.0	0.0	55.19	-352.95	411.75	49.74	-7409.48	1.170e+04
		2793.62	-7409.48	-6.35e-04	0.0	9.2	57.21	-352.95	411.75	49.74	-3624.41	7247.20
						18.4	59.23	-352.95	411.75	49.74	160.65	2793.62
41	43	9839.28	5508.84	0.05	0.0	0.0	-947.53	913.20	-305.10	-33.30	5508.84	-5022.63
		-5022.63	-100.99	-4.58e-04	0.0	9.2	-945.51	913.20	-305.10	-33.30	2703.93	2408.32
						18.4	-943.49	913.20	-305.10	-33.30	-100.99	9839.28
41	44	5133.23	1768.82	0.05	0.0	0.0	-700.86	629.27	-97.57	-8.60	1768.82	-2751.01
		-2751.01	-25.61	3.41e-03	0.0	9.2	-698.84	629.27	-97.57	-8.60	871.60	1191.11
						18.4	-696.82	629.27	-97.57	-8.60	-25.61	5133.23
41	45	1.646e+04	391.04	-0.05	0.0	0.0	-382.67	89.69	-21.17	-2.63	391.04	1.113e+04
		1.113e+04	2.64	-0.01	0.0	9.2	-380.65	89.69	-21.17	-2.63	196.84	1.379e+04
						18.4	-378.63	89.69	-21.17	-2.63	2.64	1.646e+04
41	46	1.340e+04	78.01	-0.05	0.0	0.0	-136.01	-194.24	186.36	22.07	-3348.98	1.340e+04
		1.175e+04	-3348.98	-9.61e-03	0.0	9.2	-133.99	-194.24	186.36	22.07	-1635.48	1.258e+04
						18.4	-131.97	-194.24	186.36	22.07	78.01	1.175e+04
41	47	9701.80	5404.98	0.05	0.0	0.0	-940.32	904.02	-299.35	-32.57	5404.98	-4952.00
		-4952.00	-99.16	-4.34e-04	0.0	9.2	-938.30	904.02	-299.35	-32.57	2652.91	2374.90
						18.4	-936.28	904.02	-299.35	-32.57	-99.16	9701.80
41	48	5270.71	1872.69	0.05	0.0	0.0	-708.07	638.45	-103.31	-9.33	1872.69	-2821.64
		-2821.64	-27.43	3.37e-03	0.0	9.2	-706.05	638.45	-103.31	-9.33	922.63	1224.53
						18.4	-704.03	638.45	-103.31	-9.33	-27.43	5270.71
41	49	1.632e+04	287.18	-0.05	0.0	0.0	-375.46	80.51	-15.42	-1.90	287.18	1.120e+04
		1.120e+04	4.46	-0.01	0.0	9.2	-373.44	80.51	-15.42	-1.90	145.82	1.376e+04
						18.4	-371.42	80.51	-15.42	-1.90	4.46	1.632e+04
41	50	1.333e+04	76.19	-0.05	0.0	0.0	-143.22	-185.06	180.61	21.34	-3245.11	1.333e+04
		1.189e+04	-3245.11	-9.65e-03	0.0	9.2	-141.20	-185.06	180.61	21.34	-1584.46	1.261e+04
						18.4	-139.18	-185.06	180.61	21.34	76.19	1.189e+04
41	51	9657.46	5642.39	0.05	0.0	0.0	-939.38	890.91	-312.47	-34.55	5642.39	-

4387.15												
		-4387.15	-102.97	3.72e-04	0.0	9.2	-937.35	890.91	-312.47	-34.55	2769.71	
2635.16												
						18.4	-935.33	890.91	-312.47	-34.55	-102.97	
9657.46												
41	52	4951.41	1902.36	0.05	0.0	0.0	-692.71	606.98	-104.94	-9.85	1902.36	-
2115.53												
		-2115.53	-27.60	3.71e-03	0.0	9.2	-690.69	606.98	-104.94	-9.85	937.38	
1417.94												
						18.4	-688.67	606.98	-104.94	-9.85	-27.60	
4951.41												
41	53	1.664e+04	257.50	-0.05	0.0	0.0	-390.83	111.98	-13.79	-1.38	257.50	
1.049e+04												
		1.049e+04	4.62	-0.01	0.0	9.2	-388.81	111.98	-13.79	-1.38	131.06	
1.357e+04												
						18.4	-386.79	111.98	-13.79	-1.38	4.62	
1.664e+04												
41	54	1.276e+04	79.99	-0.05	0.0	0.0	-144.16	-171.95	193.74	23.32	-3482.52	
1.276e+04												
		1.194e+04	-3482.52	-9.91e-03	0.0	9.2	-142.14	-171.95	193.74	23.32	-1701.26	
1.235e+04												
						18.4	-140.12	-171.95	193.74	23.32	79.99	
1.194e+04												
41	55	9519.99	5538.52	0.05	0.0	0.0	-932.17	881.73	-306.72	-33.82	5538.52	-
4316.51												
		-4316.51	-101.15	4.12e-04	0.0	9.2	-930.14	881.73	-306.72	-33.82	2718.69	
2601.74												
						18.4	-928.12	881.73	-306.72	-33.82	-101.15	
9519.99												
41	56	5088.89	2006.23	0.05	0.0	0.0	-699.92	616.16	-110.69	-10.58	2006.23	-
2186.16												
		-2186.16	-29.42	3.67e-03	0.0	9.2	-697.90	616.16	-110.69	-10.58	988.41	
1451.37												
						18.4	-695.88	616.16	-110.69	-10.58	-29.42	
5088.89												
41	57	1.650e+04	153.64	-0.05	0.0	0.0	-383.62	102.80	-8.04	-0.65	153.64	
1.056e+04												
		1.056e+04	6.44	-0.01	0.0	9.2	-381.60	102.80	-8.04	-0.65	80.04	
1.353e+04												
						18.4	-379.58	102.80	-8.04	-0.65	6.44	
1.650e+04												
41	58	1.269e+04	78.17	-0.05	0.0	0.0	-151.37	-162.77	187.99	22.59	-3378.65	
1.269e+04												
		1.207e+04	-3378.65	-9.95e-03	0.0	9.2	-149.35	-162.77	187.99	22.59	-1650.24	
1.238e+04												
						18.4	-147.33	-162.77	187.99	22.59	78.17	
1.207e+04												
41	59	1.765e+04	8080.98	0.01	0.0	0.0	-1037.61	956.24	-447.84	-51.38	8080.98	-
2020.66												
		-2020.66	-152.65	-8.37e-03	0.0	9.2	-1035.58	956.24	-447.84	-51.38	3964.16	
7813.14												
						18.4	-1033.56	956.24	-447.84	-51.38	-152.65	
1.765e+04												
41	60	5551.40	98.59	0.02	0.0	0.0	-215.39	9.78	243.93	30.95	-4385.77	
5551.40												
		1960.11	-4385.77	2.74e-03	0.0	9.2	-213.37	9.78	243.93	30.95	-2143.59	
3755.76												
						18.4	-211.35	9.78	243.93	30.95	98.59	
1960.11												
41	61	1.963e+04	6545.64	-0.02	0.0	0.0	-868.15	709.18	-362.66	-42.18	6545.64	
2824.07												
		2824.07	-121.57	-0.01	0.0	9.2	-866.13	709.18	-362.66	-42.18	3212.03	
1.123e+04												
						18.4	-864.11	709.18	-362.66	-42.18	-121.57	
1.963e+04												
41	62	1.040e+04	129.68	-0.01	0.0	0.0	-45.93	-237.28	329.11	40.15	-5921.11	
1.040e+04												
		3946.34	-5921.11	-1.17e-03	0.0	9.2	-43.91	-237.28	329.11	40.15	-2895.72	
7171.24												
						18.4	-41.89	-237.28	329.11	40.15	129.68	
3946.34												
41	63	1.759e+04	8121.04	0.01	0.0	0.0	-1035.16	949.55	-450.05	-51.75	8121.04	-

1830.02												
		-1830.02	-153.25	-8.28e-03	0.0	9.2	-1033.14	949.55	-450.05	-51.75	3983.90	
7881.19												
						18.4	-1031.12	949.55	-450.05	-51.75	-153.25	
1.759e+04												
41	64	5742.05	98.00	0.01	0.0	0.0	-212.94	3.09	241.72	30.57	-4345.71	
5742.05												
		1905.57	-4345.71	2.83e-03	0.0	9.2	-210.92	3.09	241.72	30.57	-2123.86	
3823.81												
						18.4	-208.90	3.09	241.72	30.57	98.00	
1905.57												
41	65	1.969e+04	6505.57	-0.02	0.0	0.0	-870.59	715.87	-360.45	-41.80	6505.57	
2633.43												
		2633.43	-120.97	-0.01	0.0	9.2	-868.57	715.87	-360.45	-41.80	3192.30	
1.116e+04												
						18.4	-866.55	715.87	-360.45	-41.80	-120.97	
1.969e+04												
41	66	1.021e+04	130.27	-0.01	0.0	0.0	-48.38	-230.59	331.32	40.52	-5961.18	
1.021e+04												
		4000.89	-5961.18	-1.25e-03	0.0	9.2	-46.36	-230.59	331.32	40.52	-2915.45	
7103.19												
						18.4	-44.34	-230.59	331.32	40.52	130.27	
4000.89												
41	67	1.719e+04	7734.75	0.01	0.0	0.0	-1013.57	925.63	-428.68	-48.94	7734.75	-
1785.22												
		-1785.22	-146.58	-8.24e-03	0.0	9.2	-1011.55	925.63	-428.68	-48.94	3794.09	
7701.73												
						18.4	-1009.53	925.63	-428.68	-48.94	-146.58	
1.719e+04												
41	68	5315.96	92.52	0.01	0.0	0.0	-239.42	40.38	224.77	28.51	-4039.55	
5315.96												
		2418.37	-4039.55	2.61e-03	0.0	9.2	-237.40	40.38	224.77	28.51	-1973.51	
3867.17												
						18.4	-235.38	40.38	224.77	28.51	92.52	
2418.37												
41	69	1.917e+04	6199.41	-0.02	0.0	0.0	-844.12	678.58	-343.50	-39.74	6199.41	
3059.51												
		3059.51	-115.49	-0.01	0.0	9.2	-842.10	678.58	-343.50	-39.74	3041.96	
1.112e+04												
						18.4	-840.08	678.58	-343.50	-39.74	-115.49	
1.917e+04												
41	70	1.016e+04	123.60	-0.02	0.0	0.0	-69.96	-206.67	309.94	37.71	-5574.89	
1.016e+04												
		4404.60	-5574.89	-1.30e-03	0.0	9.2	-67.94	-206.67	309.94	37.71	-2725.64	
7282.65												
						18.4	-65.92	-206.67	309.94	37.71	123.60	
4404.60												
41	71	1.713e+04	7774.81	0.01	0.0	0.0	-1011.13	918.94	-430.89	-49.32	7774.81	-
1594.58												
		-1594.58	-147.17	-8.15e-03	0.0	9.2	-1009.11	918.94	-430.89	-49.32	3813.82	
7769.78												
						18.4	-1007.09	918.94	-430.89	-49.32	-147.17	
1.713e+04												
41	72	5506.61	91.92	0.01	0.0	0.0	-236.97	33.70	222.55	28.14	-3999.49	
5506.61												
		2363.82	-3999.49	2.70e-03	0.0	9.2	-234.95	33.70	222.55	28.14	-1953.78	
3935.22												
						18.4	-232.93	33.70	222.55	28.14	91.92	
2363.82												
41	73	1.923e+04	6159.35	-0.02	0.0	0.0	-846.56	685.26	-341.29	-39.37	6159.35	
2868.87												
		2868.87	-114.90	-0.01	0.0	9.2	-844.54	685.26	-341.29	-39.37	3022.23	
1.105e+04												
						18.4	-842.52	685.26	-341.29	-39.37	-114.90	
1.923e+04												
41	74	9970.05	124.20	-0.02	0.0	0.0	-72.41	-199.98	312.16	38.09	-5614.95	
9970.05												
		4459.15	-5614.95	-1.39e-03	0.0	9.2	-70.39	-199.98	312.16	38.09	-2745.38	
7214.60												
						18.4	-68.37	-199.98	312.16	38.09	124.20	
4459.15												
41	75	1.000e+04	4749.25	0.04	0.0	0.0	-878.23	818.70	-262.95	-28.53	4749.25	-

3449.32												
		-3449.32	-85.65	-8.24e-04	0.0	9.2	-876.21	818.70	-262.95	-28.53	2331.80	
3277.65												
						18.4	-874.19	818.70	-262.95	-28.53	-85.65	
1.000e+04												
41	76	6114.99	1657.99	0.04	0.0	0.0	-674.31	583.90	-91.42	-8.11	1657.99	-
1563.47												
		-1563.47	-23.35	2.00e-03	0.0	9.2	-672.29	583.90	-91.42	-8.11	817.32	
2275.76												
						18.4	-670.27	583.90	-91.42	-8.11	-23.35	
6114.99												
41	77	1.548e+04	501.88	-0.04	0.0	0.0	-409.23	135.06	-27.31	-3.12	501.88	
9938.94												
		9938.94	0.38	-0.01	0.0	9.2	-407.21	135.06	-27.31	-3.12	251.13	
1.271e+04												
						18.4	-405.19	135.06	-27.31	-3.12	0.38	
1.548e+04												
41	78	1.182e+04	62.68	-0.04	0.0	0.0	-205.31	-99.74	144.22	17.30	-2589.39	
1.182e+04												
		1.159e+04	-2589.39	-8.79e-03	0.0	9.2	-203.29	-99.74	144.22	17.30	-1263.36	
1.171e+04												
						18.4	-201.26	-99.74	144.22	17.30	62.68	
1.159e+04												
41	79	9890.93	4663.45	0.04	0.0	0.0	-872.28	811.12	-258.20	-27.92	4663.45	-
3390.12												
		-3390.12	-84.15	-7.97e-04	0.0	9.2	-870.26	811.12	-258.20	-27.92	2289.65	
3250.40												
						18.4	-868.24	811.12	-258.20	-27.92	-84.15	
9890.93												
41	80	6228.70	1743.80	0.04	0.0	0.0	-680.26	591.48	-96.17	-8.72	1743.80	-
1622.67												
		-1622.67	-24.86	1.96e-03	0.0	9.2	-678.24	591.48	-96.17	-8.72	859.47	
2303.01												
						18.4	-676.22	591.48	-96.17	-8.72	-24.86	
6228.70												
41	81	1.536e+04	416.07	-0.04	0.0	0.0	-403.28	127.48	-22.56	-2.51	416.07	
9998.15												
		9998.15	1.89	-0.01	0.0	9.2	-401.26	127.48	-22.56	-2.51	208.98	
1.268e+04												
						18.4	-399.24	127.48	-22.56	-2.51	1.89	
1.536e+04												
41	82	1.177e+04	61.17	-0.04	0.0	0.0	-211.25	-92.16	139.47	16.69	-2503.58	
1.177e+04												
		1.170e+04	-2503.58	-8.82e-03	0.0	9.2	-209.23	-92.16	139.47	16.69	-1221.20	
1.173e+04												
						18.4	-207.21	-92.16	139.47	16.69	61.17	
1.170e+04												
41	83	9853.63	4860.16	0.04	0.0	0.0	-871.49	800.25	-269.08	-29.56	4860.16	-
2922.00												
		-2922.00	-87.30	-6.77e-04	0.0	9.2	-869.47	800.25	-269.08	-29.56	2386.43	
3465.81												
						18.4	-867.45	800.25	-269.08	-29.56	-87.30	
9853.63												
41	84	5963.99	1768.89	0.04	0.0	0.0	-667.57	565.45	-97.54	-9.15	1768.89	-
1036.14												
		-1036.14	-25.01	2.25e-03	0.0	9.2	-665.55	565.45	-97.54	-9.15	871.94	
2463.92												
						18.4	-663.53	565.45	-97.54	-9.15	-25.01	
5963.99												
41	85	1.563e+04	390.97	-0.04	0.0	0.0	-415.97	153.52	-21.19	-2.08	390.97	
9411.62												
		9411.62	2.03	-0.01	0.0	9.2	-413.95	153.52	-21.19	-2.08	196.50	
1.252e+04												
						18.4	-411.93	153.52	-21.19	-2.08	2.03	
1.563e+04												
41	86	1.174e+04	64.33	-0.04	0.0	0.0	-212.05	-81.29	150.34	18.33	-2700.30	
1.130e+04												
		1.130e+04	-2700.30	-9.03e-03	0.0	9.2	-210.03	-81.29	150.34	18.33	-1317.98	
1.152e+04												
						18.4	-208.01	-81.29	150.34	18.33	64.33	
1.174e+04												
41	87	9739.92	4774.35	0.04	0.0	0.0	-865.54	792.66	-264.33	-28.96	4774.35	-

2862.79												
		-2862.79	-85.80	-6.51e-04	0.0	9.2	-863.52	792.66	-264.33	-28.96	2344.28	
3438.56												
						18.4	-861.50	792.66	-264.33	-28.96	-85.80	
9739.92												
41	88	6077.69	1854.70	0.04	0.0	0.0	-673.52	573.03	-102.29	-9.75	1854.70	-
1095.35												
		-1095.35	-26.51	2.21e-03	0.0	9.2	-671.50	573.03	-102.29	-9.75	914.10	
2491.17												
						18.4	-669.48	573.03	-102.29	-9.75	-26.51	
6077.69												
41	89	1.552e+04	305.16	-0.04	0.0	0.0	-410.02	145.93	-16.44	-1.48	305.16	
9470.82												
		9470.82	3.54	-0.01	0.0	9.2	-408.00	145.93	-16.44	-1.48	154.35	
1.249e+04												
						18.4	-405.98	145.93	-16.44	-1.48	3.54	
1.552e+04												
41	90	1.185e+04	62.82	-0.04	0.0	0.0	-217.99	-73.70	145.59	17.73	-2614.49	
1.124e+04												
		1.124e+04	-2614.49	-9.07e-03	0.0	9.2	-215.97	-73.70	145.59	17.73	-1275.83	
1.155e+04												
						18.4	-213.95	-73.70	145.59	17.73	62.82	
1.185e+04												
41	91	1.646e+04	6869.15	8.41e-03	0.0	0.0	-951.99	853.36	-380.60	-43.45	6869.15	-
963.60												
		-963.60	-128.22	-7.74e-03	0.0	9.2	-949.97	853.36	-380.60	-43.45	3370.46	
7747.36												
						18.4	-947.95	853.36	-380.60	-43.45	-128.22	
1.646e+04												
41	92	5322.60	79.44	0.01	0.0	0.0	-272.25	70.69	191.17	24.60	-3435.07	
5322.60												
		3492.86	-3435.07	1.43e-03	0.0	9.2	-270.23	70.69	191.17	24.60	-1677.82	
4407.73												
						18.4	-268.21	70.69	191.17	24.60	79.44	
3492.86												
41	93	1.810e+04	5594.94	-0.02	0.0	0.0	-811.29	648.27	-309.91	-35.83	5594.94	
3052.88												
		3052.88	-102.41	-0.01	0.0	9.2	-809.27	648.27	-309.91	-35.83	2746.26	
1.058e+04												
						18.4	-807.25	648.27	-309.91	-35.83	-102.41	
1.810e+04												
41	94	9339.08	105.25	-0.01	0.0	0.0	-131.55	-134.40	261.87	32.22	-4709.29	
9339.08												
		5134.96	-4709.29	-1.80e-03	0.0	9.2	-129.53	-134.40	261.87	32.22	-2302.02	
7237.02												
						18.4	-127.51	-134.40	261.87	32.22	105.25	
5134.96												
41	95	1.641e+04	6902.42	8.00e-03	0.0	0.0	-949.97	847.83	-382.44	-43.76	6902.42	-
805.40												
		-805.40	-128.72	-7.66e-03	0.0	9.2	-947.95	847.83	-382.44	-43.76	3386.85	
7803.81												
						18.4	-945.93	847.83	-382.44	-43.76	-128.72	
1.641e+04												
41	96	5480.79	78.94	0.01	0.0	0.0	-270.23	65.15	189.34	24.29	-3401.80	
5480.79												
		3447.56	-3401.80	1.51e-03	0.0	9.2	-268.21	65.15	189.34	24.29	-1661.43	
4464.18												
						18.4	-266.19	65.15	189.34	24.29	78.94	
3447.56												
41	97	1.815e+04	5561.67	-0.02	0.0	0.0	-813.31	653.81	-308.07	-35.52	5561.67	
2894.68												
		2894.68	-101.92	-0.01	0.0	9.2	-811.29	653.81	-308.07	-35.52	2729.87	
1.052e+04												
						18.4	-809.27	653.81	-308.07	-35.52	-101.92	
1.815e+04												
41	98	9180.88	105.75	-0.01	0.0	0.0	-133.57	-128.87	263.70	32.53	-4742.56	
9180.88												
		5180.26	-4742.56	-1.88e-03	0.0	9.2	-131.55	-128.87	263.70	32.53	-2318.41	
7180.57												
						18.4	-129.53	-128.87	263.70	32.53	105.75	
5180.26												
41	99	1.608e+04	6583.12	0.01	0.0	0.0	-932.16	828.09	-364.77	-41.43	6583.12	-

766.24												
		-766.24	-123.21	-7.63e-03	0.0	9.2	-930.14	828.09	-364.77	-41.43	3229.96	
7656.53												
						18.4	-928.12	828.09	-364.77	-41.43	-123.21	
1.608e+04												
41	100	5125.24	74.42	0.01	0.0	0.0	-292.08	95.96	175.34	22.58	-3149.04	
5125.24												
		3871.88	-3149.04	1.32e-03	0.0	9.2	-290.06	95.96	175.34	22.58	-1537.31	
4498.56												
						18.4	-288.04	95.96	175.34	22.58	74.42	
3871.88												
41	101	1.772e+04	5308.91	-0.01	0.0	0.0	-791.46	623.00	-294.07	-33.81	5308.91	
3250.24												
		3250.24	-97.40	-0.01	0.0	9.2	-789.44	623.00	-294.07	-33.81	2605.75	
1.049e+04												
						18.4	-787.42	623.00	-294.07	-33.81	-97.40	
1.772e+04												
41	102	9141.72	100.23	-0.01	0.0	0.0	-151.38	-109.13	246.03	30.20	-4423.26	
9141.72												
		5513.98	-4423.26	-1.91e-03	0.0	9.2	-149.35	-109.13	246.03	30.20	-2161.51	
7327.85												
						18.4	-147.33	-109.13	246.03	30.20	100.23	
5513.98												
41	103	1.603e+04	6616.39	9.60e-03	0.0	0.0	-930.14	822.55	-366.60	-41.74	6616.39	-
608.05												
		-608.05	-123.70	-7.55e-03	0.0	9.2	-928.12	822.55	-366.60	-41.74	3246.34	
7712.98												
						18.4	-926.10	822.55	-366.60	-41.74	-123.70	
1.603e+04												
41	104	5283.44	73.93	0.01	0.0	0.0	-290.05	90.43	173.51	22.27	-3115.77	
5283.44												
		3826.58	-3115.77	1.40e-03	0.0	9.2	-288.03	90.43	173.51	22.27	-1520.92	
4555.01												
						18.4	-286.01	90.43	173.51	22.27	73.93	
3826.58												
41	105	1.777e+04	5275.63	-0.01	0.0	0.0	-793.48	628.53	-292.24	-33.50	5275.63	
3092.04												
		3092.04	-96.90	-0.01	0.0	9.2	-791.46	628.53	-292.24	-33.50	2589.37	
1.043e+04												
						18.4	-789.44	628.53	-292.24	-33.50	-96.90	
1.777e+04												
41	106	8983.52	100.73	-0.01	0.0	0.0	-153.40	-103.59	247.87	30.52	-4456.53	
8983.52												
		5559.28	-4456.53	-1.98e-03	0.0	9.2	-151.38	-103.59	247.87	30.52	-2177.90	
7271.40												
						18.4	-149.36	-103.59	247.87	30.52	100.73	
5559.28												
47	1	-1299.66	1149.62	0.03	0.0	0.0	-216.06	-2.77	-10.24	-0.13	1149.62	-
1299.66												
		-1961.93	-1298.82	-0.03	-2.94e-04	119.5	-149.84	-2.77	-10.24	-0.13	-74.59	-
1630.80												
						239.0	-83.62	-2.77	-10.24	-0.13	-1298.82	-
1961.93												
47	2	-4125.28	4183.93	0.07	0.0	0.0	-702.62	-69.50	-37.15	9.62	4183.93	-
4125.28												
		-2.073e+04	-4695.37	-0.05	-2.94e-04	119.5	-636.40	-69.50	-37.15	9.62	-255.71	-
1.243e+04												
						239.0	-570.18	-69.50	-37.15	9.62	-4695.37	-
2.073e+04												
47	3	-946.42	827.06	0.02	0.0	0.0	-157.02	-0.87	-7.37	-0.28	827.06	-
946.42												
		-1154.90	-935.00	-0.02	0.0	119.5	-106.08	-0.87	-7.37	-0.28	-53.97	-
1050.66												
						239.0	-55.14	-0.87	-7.37	-0.28	-935.00	-
1154.90												
47	4	-3772.04	3861.37	0.07	0.0	0.0	-643.57	-67.60	-34.28	9.47	3861.37	-
3772.04												
		-1.993e+04	-4331.54	-0.04	0.0	119.5	-592.64	-67.60	-34.28	9.47	-235.09	-
1.185e+04												
						239.0	-541.70	-67.60	-34.28	9.47	-4331.54	-
1.993e+04												
47	5	-976.56	859.43	0.02	0.0	0.0	-162.21	-1.58	-7.66	-0.18	859.43	-

976.56												
		-1355.14	-971.23	-0.02	0.0	119.5	-111.27	-1.58	-7.66	-0.18	-55.90	-
1165.85												
						239.0	-60.33	-1.58	-7.66	-0.18	-971.23	-
1355.14												
47	6	-2860.30	2882.30	0.05	0.0	0.0	-486.58	-46.07	-25.60	6.32	2882.30	-
2860.30												
		-1.387e+04	-3235.59	-0.04	0.0	119.5	-435.64	-46.07	-25.60	6.32	-176.65	-
8365.40												
						239.0	-384.70	-46.07	-25.60	6.32	-3235.59	-
1.387e+04												
47	7	-976.56	859.43	0.02	0.0	0.0	-162.21	-1.58	-7.66	-0.18	859.43	-
976.56												
		-1355.14	-971.23	-0.02	0.0	119.5	-111.27	-1.58	-7.66	-0.18	-55.90	-
1165.85												
						239.0	-60.33	-1.58	-7.66	-0.18	-971.23	-
1355.14												
47	8	-2295.18	2275.44	0.04	0.0	0.0	-389.27	-32.72	-20.22	4.37	2275.44	-
2295.18												
		-1.012e+04	-2556.28	-0.03	0.0	119.5	-338.33	-32.72	-20.22	4.37	-140.42	-
6205.53												
						239.0	-287.39	-32.72	-20.22	4.37	-2556.28	-
1.012e+04												
47	9	-976.56	859.43	0.02	0.0	0.0	-162.21	-1.58	-7.66	-0.18	859.43	-
976.56												
		-1355.14	-971.23	-0.02	0.0	119.5	-111.27	-1.58	-7.66	-0.18	-55.90	-
1165.85												
						239.0	-60.33	-1.58	-7.66	-0.18	-971.23	-
1355.14												
47	10	-2106.80	2073.15	0.04	0.0	0.0	-356.83	-28.27	-18.42	3.72	2073.15	-
2106.80												
		-8864.35	-2329.84	-0.03	0.0	119.5	-305.89	-28.27	-18.42	3.72	-128.35	-
5485.58												
						239.0	-254.95	-28.27	-18.42	3.72	-2329.84	-
8864.35												
47	11	686.67	4682.39	0.06	0.0	0.0	-486.79	-57.19	33.75	-72.43	-3389.62	686.67
		-1.466e+04	-3389.62	-0.32	0.0	119.5	-435.85	-57.19	33.75	-72.43	646.38	-
6985.06												
						239.0	-384.92	-57.19	33.75	-72.43	4682.39	-
1.466e+04												
47	12	1.953e+04	984.36	-0.41	0.0	0.0	-124.70	98.32	-7.12	-19.87	984.36	-
2365.13												
		-2365.13	-712.66	0.21	0.0	119.5	-73.76	98.32	-7.12	-19.87	135.85	
8580.70												
						239.0	-22.82	98.32	-7.12	-19.87	-712.66	
1.953e+04												
47	13	-1848.48	3161.94	0.49	0.0	0.0	-588.96	-154.87	-29.73	27.31	3161.94	-
1848.48												
		-3.726e+04	-3947.03	-0.27	0.0	119.5	-538.03	-154.87	-29.73	27.31	-392.54	-
1.955e+04												
						239.0	-487.09	-154.87	-29.73	27.31	-3947.03	-
3.726e+04												
47	14	-3071.92	7535.92	0.02	0.0	0.0	-226.87	0.64	-70.60	79.88	7535.92	-
4900.28												
		-4900.28	-9342.08	0.27	0.0	119.5	-175.93	0.64	-70.60	79.88	-903.08	-
3986.10												
						239.0	-124.99	0.64	-70.60	79.88	-9342.08	-
3071.92												
47	15	613.25	5112.72	0.06	0.0	0.0	-493.66	-56.43	36.96	-77.70	-3725.24	613.25
		-1.456e+04	-3725.24	-0.35	0.0	119.5	-442.72	-56.43	36.96	-77.70	693.74	-
6972.14												
						239.0	-391.78	-56.43	36.96	-77.70	5112.72	-
1.456e+04												
47	16	1.943e+04	1319.98	-0.42	0.0	0.0	-117.83	97.56	-10.32	-14.61	1319.98	-
2291.71												
		-2291.71	-1142.99	0.23	0.0	119.5	-66.89	97.56	-10.32	-14.61	88.49	
8567.78												
						239.0	-15.96	97.56	-10.32	-14.61	-1142.99	
1.943e+04												
47	17	-1921.90	2826.32	0.50	0.0	0.0	-595.83	-154.11	-26.52	22.05	2826.32	-
1921.90												
		-3.716e+04	-3516.70	-0.29	0.0	119.5	-544.89	-154.11	-26.52	22.05	-345.19	-

1.954e+04												
						239.0	-493.95	-154.11	-26.52	22.05	-3516.70	-
3.716e+04												
47	18	-3171.17	7871.53	0.02	0.0	0.0	-220.00	-0.12	-73.80	85.14	7871.53	-
4826.85												
		-4826.85	-9772.40	0.29	0.0	119.5	-169.07	-0.12	-73.80	85.14	-950.44	-
3999.01												
						239.0	-118.13	-0.12	-73.80	85.14	-9772.40	-
3171.17												
47	19	729.00	4778.94	0.24	0.0	0.0	-500.21	-59.23	34.14	-74.55	-3386.86	729.00
		-1.456e+04	-3386.86	-0.51	0.0	119.5	-449.27	-59.23	34.14	-74.55	696.04	-
6913.52												
						239.0	-398.34	-59.23	34.14	-74.55	4778.94	-
1.456e+04												
47	20	1.963e+04	987.12	-0.23	0.0	0.0	-138.12	96.28	-6.73	-21.99	987.12	-
2322.80												
		-2322.80	-616.11	0.02	0.0	119.5	-87.18	96.28	-6.73	-21.99	185.51	
8652.23												
						239.0	-36.24	96.28	-6.73	-21.99	-616.11	
1.963e+04												
47	21	-1890.81	3159.18	0.31	0.0	0.0	-575.54	-152.83	-30.12	29.43	3159.18	-
1890.81												
		-3.736e+04	-4043.58	-0.08	0.0	119.5	-524.60	-152.83	-30.12	29.43	-442.20	-
1.962e+04												
						239.0	-473.67	-152.83	-30.12	29.43	-4043.58	-
3.736e+04												
47	22	-3172.66	7533.16	-0.16	0.0	0.0	-213.45	2.68	-70.99	82.00	7533.16	-
4942.61												
		-4942.61	-9438.63	0.46	0.0	119.5	-162.51	2.68	-70.99	82.00	-952.74	-
4057.63												
						239.0	-111.57	2.68	-70.99	82.00	-9438.63	-
3172.66												
47	23	655.58	5209.27	0.24	0.0	0.0	-507.08	-58.47	37.35	-79.81	-3722.48	655.58
		-1.446e+04	-3722.48	-0.54	0.0	119.5	-456.14	-58.47	37.35	-79.81	743.40	-
6900.60												
						239.0	-405.20	-58.47	37.35	-79.81	5209.27	-
1.446e+04												
47	24	1.953e+04	1322.74	-0.24	0.0	0.0	-131.25	95.52	-9.93	-16.73	1322.74	-
2249.37												
		-2249.37	-1046.43	0.05	0.0	119.5	-80.31	95.52	-9.93	-16.73	138.15	
8639.32												
						239.0	-29.38	95.52	-9.93	-16.73	-1046.43	
1.953e+04												
47	25	-1964.23	2823.56	0.31	0.0	0.0	-582.41	-152.07	-26.91	24.17	2823.56	-
1964.23												
		-3.726e+04	-3613.25	-0.10	0.0	119.5	-531.47	-152.07	-26.91	24.17	-394.85	-
1.961e+04												
						239.0	-480.53	-152.07	-26.91	24.17	-3613.25	-
3.726e+04												
47	26	-3271.91	7868.78	-0.17	0.0	0.0	-206.58	1.92	-74.19	87.26	7868.78	-
4869.19												
		-4869.19	-9868.96	0.48	0.0	119.5	-155.64	1.92	-74.19	87.26	-1000.09	-
4070.55												
						239.0	-104.71	1.92	-74.19	87.26	-9868.96	-
3271.91												
47	27	3359.80	7956.32	0.75	0.0	0.0	-945.00	-272.80	59.22	-98.85	-6199.55	
3359.80												
		-6.245e+04	-6199.55	-0.93	0.0	119.5	-894.06	-272.80	59.22	-98.85	878.38	-
2.954e+04												
						239.0	-843.12	-272.80	59.22	-98.85	7956.32	-
6.245e+04												
47	28	5.150e+04	8380.38	-0.81	0.0	0.0	261.99	245.55	-77.02	76.37	8380.38	-
6812.86												
		-6812.86	-1.003e+04	0.86	0.0	119.5	312.93	245.55	-77.02	76.37	-823.40	
2.234e+04												
						239.0	363.86	245.55	-77.02	76.37	-1.003e+04	
5.150e+04												
47	29	2599.26	5367.49	0.88	0.0	0.0	-975.65	-302.10	40.17	-68.93	-4234.09	
2599.26												
		-6.923e+04	-4234.09	-0.91	0.0	119.5	-924.71	-302.10	40.17	-68.93	566.70	-
3.331e+04												
						239.0	-873.77	-302.10	40.17	-68.93	5367.49	-

6.923e+04												
47	30	4.472e+04	1.035e+04	-0.67	0.0	0.0	231.34	216.25	-96.06	106.29	1.035e+04	-
7573.41												
		-7573.41	-1.262e+04	0.87	0.0	119.5	282.27	216.25	-96.06	106.29	-1135.08	
1.857e+04												
						239.0	333.21	216.25	-96.06	106.29	-1.262e+04	
4.472e+04												
47	31	3372.50	7985.28	0.81	0.0	0.0	-949.02	-273.41	59.33	-99.49	-6198.73	
3372.50												
		-6.242e+04	-6198.73	-0.99	0.0	119.5	-898.08	-273.41	59.33	-99.49	893.28	-
2.952e+04												
						239.0	-847.15	-273.41	59.33	-99.49	7985.28	-
6.242e+04												
47	32	5.153e+04	8381.21	-0.75	0.0	0.0	257.96	244.94	-76.90	75.74	8381.21	-
6800.16												
		-6800.16	-9998.22	0.80	0.0	119.5	308.90	244.94	-76.90	75.74	-808.50	
2.236e+04												
						239.0	359.84	244.94	-76.90	75.74	-9998.22	
5.153e+04												
47	33	2586.56	5338.53	0.83	0.0	0.0	-971.62	-301.49	40.05	-68.29	-4234.91	
2586.56												
		-6.926e+04	-4234.91	-0.86	0.0	119.5	-920.68	-301.49	40.05	-68.29	551.81	-
3.333e+04												
						239.0	-869.75	-301.49	40.05	-68.29	5338.53	-
6.926e+04												
47	34	4.469e+04	1.035e+04	-0.73	0.0	0.0	235.36	216.86	-96.18	106.93	1.035e+04	-
7586.11												
		-7586.11	-1.264e+04	0.93	0.0	119.5	286.30	216.86	-96.18	106.93	-1149.97	
1.855e+04												
						239.0	337.24	216.86	-96.18	106.93	-1.264e+04	
4.469e+04												
47	35	3115.06	9390.75	0.77	0.0	0.0	-967.88	-270.28	69.90	-116.39	-7318.28	
3115.06												
		-6.212e+04	-7318.28	-1.00	0.0	119.5	-916.94	-270.28	69.90	-116.39	1036.23	-
2.950e+04												
						239.0	-866.00	-270.28	69.90	-116.39	9390.75	-
6.212e+04												
47	36	5.117e+04	9499.11	-0.83	0.0	0.0	284.87	243.03	-87.70	93.91	9499.11	-
6568.12												
		-6568.12	-1.146e+04	0.93	0.0	119.5	335.81	243.03	-87.70	93.91	-981.25	
2.230e+04												
						239.0	386.75	243.03	-87.70	93.91	-1.146e+04	
5.117e+04												
47	37	2354.51	6801.92	0.90	0.0	0.0	-998.53	-299.58	50.85	-86.47	-5352.81	
2354.51												
		-6.890e+04	-5352.81	-0.99	0.0	119.5	-947.59	-299.58	50.85	-86.47	724.56	-
3.327e+04												
						239.0	-896.65	-299.58	50.85	-86.47	6801.92	-
6.890e+04												
47	38	4.439e+04	1.146e+04	-0.70	0.0	0.0	254.22	213.73	-106.74	123.83	1.146e+04	-
7328.66												
		-7328.66	-1.405e+04	0.95	0.0	119.5	305.16	213.73	-106.74	123.83	-1292.93	
1.853e+04												
						239.0	356.09	213.73	-106.74	123.83	-1.405e+04	
4.439e+04												
47	39	3127.76	9419.71	0.83	0.0	0.0	-971.90	-270.89	70.01	-117.02	-7317.45	
3127.76												
		-6.209e+04	-7317.45	-1.06	0.0	119.5	-920.97	-270.89	70.01	-117.02	1051.13	-
2.948e+04												
						239.0	-870.03	-270.89	70.01	-117.02	9419.71	-
6.209e+04												
47	40	5.120e+04	9499.93	-0.77	0.0	0.0	280.84	242.42	-87.58	93.27	9499.93	-
6555.42												
		-6555.42	-1.143e+04	0.87	0.0	119.5	331.78	242.42	-87.58	93.27	-966.35	
2.232e+04												
						239.0	382.72	242.42	-87.58	93.27	-1.143e+04	
5.120e+04												
47	41	2341.81	6772.95	0.85	0.0	0.0	-994.50	-298.97	50.73	-85.83	-5353.64	
2341.81												
		-6.893e+04	-5353.64	-0.93	0.0	119.5	-943.57	-298.97	50.73	-85.83	709.66	-
3.329e+04												
						239.0	-892.63	-298.97	50.73	-85.83	6772.95	-

6.893e+04												
47	42	4.436e+04	1.146e+04	-0.75	0.0	0.0	258.25	214.34	-106.86	124.47	1.146e+04	-
7341.36												
		-7341.36	-1.408e+04	1.00	0.0	119.5	309.18	214.34	-106.86	124.47	-1307.83	
1.851e+04												
						239.0	360.12	214.34	-106.86	124.47	-1.408e+04	
4.436e+04												
47	43	55.89	3226.03	0.05	0.0	0.0	-460.40	-51.24	22.91	-56.55	-2251.85	55.89
		-1.346e+04	-2251.85	-0.26	0.0	119.5	-409.47	-51.24	22.91	-56.55	487.09	-
6701.78												
						239.0	-358.53	-51.24	22.91	-56.55	3226.03	-
1.346e+04												
47	44	1.364e+04	1213.92	-0.32	0.0	0.0	-173.46	72.01	-9.48	-14.89	1213.92	-
2347.34												
		-2347.34	-1049.86	0.16	0.0	119.5	-122.52	72.01	-9.48	-14.89	82.03	
5643.94												
						239.0	-71.58	72.01	-9.48	-14.89	-1049.86	
1.364e+04												
47	45	-1866.26	2932.38	0.40	0.0	0.0	-540.20	-128.56	-27.36	22.33	2932.38	-
1866.26												
		-3.136e+04	-3609.83	-0.22	0.0	119.5	-489.26	-128.56	-27.36	22.33	-338.73	-
1.662e+04												
						239.0	-438.33	-128.56	-27.36	22.33	-3609.83	-
3.136e+04												
47	46	-4269.25	6398.15	0.03	0.0	0.0	-253.26	-5.31	-59.75	63.99	6398.15	-
4269.49												
		-4269.49	-7885.72	0.21	0.0	119.5	-202.32	-5.31	-59.75	63.99	-743.78	-
4269.37												
						239.0	-151.38	-5.31	-59.75	63.99	-7885.72	-
4269.25												
47	47	-4.66	3566.92	0.06	0.0	0.0	-465.84	-50.64	25.44	-60.72	-2517.37	-4.66
		-1.338e+04	-2517.37	-0.28	0.0	119.5	-414.90	-50.64	25.44	-60.72	524.77	-
6692.65												
						239.0	-363.96	-50.64	25.44	-60.72	3566.92	-
1.338e+04												
47	48	1.356e+04	1479.44	-0.32	0.0	0.0	-168.02	71.41	-12.02	-10.72	1479.44	-
2286.79												
		-2286.79	-1390.74	0.18	0.0	119.5	-117.09	71.41	-12.02	-10.72	44.35	
5634.81												
						239.0	-66.15	71.41	-12.02	-10.72	-1390.74	
1.356e+04												
47	49	-1926.81	2666.86	0.40	0.0	0.0	-545.63	-127.96	-24.83	18.16	2666.86	-
1926.81												
		-3.129e+04	-3268.94	-0.24	0.0	119.5	-494.70	-127.96	-24.83	18.16	-301.04	-
1.661e+04												
						239.0	-443.76	-127.96	-24.83	18.16	-3268.94	-
3.129e+04												
47	50	-4208.95	6663.67	0.02	0.0	0.0	-247.82	-5.91	-62.29	68.16	6663.67	-
4208.95												
		-4348.06	-8226.60	0.22	0.0	119.5	-196.89	-5.91	-62.29	68.16	-781.47	-
4278.50												
						239.0	-145.95	-5.91	-62.29	68.16	-8226.60	-
4348.06												
47	51	77.99	3300.87	0.20	0.0	0.0	-471.15	-52.86	23.19	-58.21	-2246.23	77.99
		-1.338e+04	-2246.23	-0.41	0.0	119.5	-420.21	-52.86	23.19	-58.21	527.32	-
6650.99												
						239.0	-369.27	-52.86	23.19	-58.21	3300.87	-
1.338e+04												
47	52	1.371e+04	1219.54	-0.17	0.0	0.0	-184.20	70.39	-9.19	-16.55	1219.54	-
2325.24												
		-2325.24	-975.01	0.01	0.0	119.5	-133.26	70.39	-9.19	-16.55	122.26	
5694.73												
						239.0	-82.32	70.39	-9.19	-16.55	-975.01	
1.371e+04												
47	53	-1888.36	2926.75	0.25	0.0	0.0	-529.46	-126.94	-27.65	24.00	2926.75	-
1888.36												
		-3.144e+04	-3684.67	-0.07	0.0	119.5	-478.52	-126.94	-27.65	24.00	-378.96	-
1.667e+04												
						239.0	-427.59	-126.94	-27.65	24.00	-3684.67	-
3.144e+04												
47	54	-4291.59	6392.52	-0.12	0.0	0.0	-242.51	-3.69	-60.04	65.65	6392.52	-
4291.59												

		-4348.73	-7960.56	0.35	0.0	119.5	-191.58	-3.69	-60.04	65.65	-784.02	-4320.16
						239.0	-140.64	-3.69	-60.04	65.65	-7960.56	-4348.73
47	55	17.44	3641.76	0.20	0.0	0.0	-476.58	-52.26	25.73	-62.38	-2511.74	17.44
		-1.330e+04	-2511.74	-0.43	0.0	119.5	-425.64	-52.26	25.73	-62.38	565.01	-6641.86
						239.0	-374.70	-52.26	25.73	-62.38	3641.76	-1.330e+04
47	56	1.364e+04	1485.06	-0.18	0.0	0.0	-178.77	69.79	-11.73	-12.38	1485.06	-2264.70
		-2264.70	-1315.90	0.03	0.0	119.5	-127.83	69.79	-11.73	-12.38	84.58	-5685.60
						239.0	-76.89	69.79	-11.73	-12.38	-1315.90	-1.364e+04
47	57	-1948.91	2661.23	0.26	0.0	0.0	-534.89	-126.33	-25.11	19.83	2661.23	-1948.91
		-3.136e+04	-3343.79	-0.09	0.0	119.5	-483.96	-126.33	-25.11	19.83	-341.28	-1.666e+04
						239.0	-433.02	-126.33	-25.11	19.83	-3343.79	-3.136e+04
47	58	-4231.05	6658.04	-0.12	0.0	0.0	-237.08	-4.29	-62.58	69.83	6658.04	-4231.05
		-4427.54	-8301.45	0.37	0.0	119.5	-186.14	-4.29	-62.58	69.83	-821.70	-4329.29
						239.0	-135.21	-4.29	-62.58	69.83	-8301.45	-4427.54
47	59	2186.90	5822.01	0.60	0.0	0.0	-823.10	-222.09	43.10	-77.54	-4480.77	2186.90
		-5.134e+04	-4480.77	-0.74	0.0	119.5	-772.17	-222.09	43.10	-77.54	670.62	-2.457e+04
						239.0	-721.23	-222.09	43.10	-77.54	5822.01	-5.134e+04
47	60	3.898e+04	7071.80	-0.63	0.0	0.0	133.39	188.74	-64.86	61.32	7071.80	-5823.86
		-5823.86	-8430.94	0.67	0.0	119.5	184.32	188.74	-64.86	61.32	-679.57	-1.658e+04
						239.0	235.26	188.74	-64.86	61.32	-8430.94	-3.898e+04
47	61	1610.26	3771.25	0.71	0.0	0.0	-847.04	-245.29	28.02	-53.88	-2925.50	1610.26
		-5.671e+04	-2925.50	-0.73	0.0	119.5	-796.11	-245.29	28.02	-53.88	422.88	-2.755e+04
						239.0	-745.17	-245.29	28.02	-53.88	3771.25	-5.671e+04
47	62	3.361e+04	8627.07	-0.53	0.0	0.0	109.45	165.54	-79.94	84.98	8627.07	-6400.51
		-6400.51	-1.048e+04	0.69	0.0	119.5	160.38	165.54	-79.94	84.98	-927.31	-1.360e+04
						239.0	211.32	165.54	-79.94	84.98	-1.048e+04	-3.361e+04
47	63	2193.53	5844.46	0.65	0.0	0.0	-826.33	-222.58	43.19	-78.04	-4479.08	2193.53
		-5.131e+04	-4479.08	-0.79	0.0	119.5	-775.39	-222.58	43.19	-78.04	682.69	-2.456e+04
						239.0	-724.45	-222.58	43.19	-78.04	5844.46	-5.131e+04
47	64	3.900e+04	7073.49	-0.59	0.0	0.0	130.16	188.25	-64.78	60.82	7073.49	-5817.23
		-5817.23	-8408.49	0.63	0.0	119.5	181.10	188.25	-64.78	60.82	-667.50	-1.659e+04
						239.0	232.04	188.25	-64.78	60.82	-8408.49	-3.900e+04
47	65	1603.63	3748.80	0.66	0.0	0.0	-843.82	-244.80	27.93	-53.38	-2927.19	1603.63
		-5.673e+04	-2927.19	-0.69	0.0	119.5	-792.88	-244.80	27.93	-53.38	410.81	-2.756e+04
						239.0	-741.95	-244.80	27.93	-53.38	3748.80	-5.673e+04
47	66	3.358e+04	8625.38	-0.57	0.0	0.0	112.67	166.03	-80.03	85.48	8625.38	-6407.14
		-6407.14	-1.050e+04	0.73	0.0	119.5	163.61	166.03	-80.03	85.48	-939.39	

1.359e+04													
						239.0	214.54	166.03	-80.03	85.48	-1.050e+04		
3.358e+04													
47	67	1985.08	6958.30	0.62	0.0	0.0	-841.21	-220.09	51.55	-91.44	-5365.83		
1985.08													
		-5.107e+04	-5365.83	-0.80	0.0	119.5	-790.28	-220.09	51.55	-91.44	796.23	-	
2.454e+04													
						239.0	-739.34	-220.09	51.55	-91.44	6958.30	-	
5.107e+04													
47	68	3.872e+04	7956.86	-0.65	0.0	0.0	151.49	186.74	-73.32	75.22	7956.86	-	
5622.04													
		-5622.04	-9567.23	0.73	0.0	119.5	202.43	186.74	-73.32	75.22	-805.19		
1.655e+04													
						239.0	253.37	186.74	-73.32	75.22	-9567.23		
3.872e+04													
47	69	1408.43	4907.54	0.73	0.0	0.0	-865.15	-243.28	36.47	-67.78	-3810.56		
1408.43													
		-5.645e+04	-3810.56	-0.79	0.0	119.5	-814.21	-243.28	36.47	-67.78	548.49	-	
2.752e+04													
						239.0	-763.28	-243.28	36.47	-67.78	4907.54	-	
5.645e+04													
47	70	3.335e+04	9512.13	-0.54	0.0	0.0	127.55	163.54	-88.40	98.89	9512.13	-	
6198.69													
		-6198.69	-1.162e+04	0.74	0.0	119.5	178.49	163.54	-88.40	98.89	-1052.93		
1.357e+04													
						239.0	229.43	163.54	-88.40	98.89	-1.162e+04		
3.335e+04													
47	71	1991.71	6980.75	0.67	0.0	0.0	-844.44	-220.57	51.64	-91.94	-5364.14		
1991.71													
		-5.105e+04	-5364.14	-0.85	0.0	119.5	-793.50	-220.57	51.64	-91.94	808.31	-	
2.453e+04													
						239.0	-742.56	-220.57	51.64	-91.94	6980.75	-	
5.105e+04													
47	72	3.874e+04	7958.55	-0.60	0.0	0.0	148.27	186.25	-73.23	74.72	7958.55	-	
5615.41													
		-5615.41	-9544.78	0.69	0.0	119.5	199.21	186.25	-73.23	74.72	-793.12		
1.656e+04													
						239.0	250.15	186.25	-73.23	74.72	-9544.78		
3.874e+04													
47	73	1401.80	4885.09	0.68	0.0	0.0	-861.93	-242.80	36.39	-67.28	-3812.25		
1401.80													
		-5.647e+04	-3812.25	-0.74	0.0	119.5	-810.99	-242.80	36.39	-67.28	536.42	-	
2.753e+04													
						239.0	-760.05	-242.80	36.39	-67.28	4885.09	-	
5.647e+04													
47	74	3.332e+04	9510.44	-0.59	0.0	0.0	130.78	164.03	-88.49	99.39	9510.44	-	
6205.31													
		-6205.31	-1.164e+04	0.79	0.0	119.5	181.71	164.03	-88.49	99.39	-1065.00		
1.356e+04													
						239.0	232.65	164.03	-88.49	99.39	-1.164e+04		
3.332e+04													
47	75	-315.61	2261.66	0.05	0.0	0.0	-442.38	-47.25	15.73	-46.11	-1501.21	-	
315.61													
		-1.266e+04	-1501.21	-0.22	0.0	119.5	-391.45	-47.25	15.73	-46.11	380.23	-	
6488.56													
						239.0	-340.51	-47.25	15.73	-46.11	2261.66	-	
1.266e+04													
47	76	9729.73	1362.97	-0.26	0.0	0.0	-205.25	54.61	-11.03	-11.69	1362.97	-	
2302.14													
		-2302.14	-1271.98	0.13	0.0	119.5	-154.31	54.61	-11.03	-11.69	45.49		
3713.80													
						239.0	-103.37	54.61	-11.03	-11.69	-1271.98		
9729.73													
47	77	-1911.47	2783.33	0.33	0.0	0.0	-508.41	-111.15	-25.81	19.13	2783.33	-	
1911.47													
		-2.746e+04	-3387.71	-0.19	0.0	119.5	-457.47	-111.15	-25.81	19.13	-302.19	-	
1.468e+04													
						239.0	-406.54	-111.15	-25.81	19.13	-3387.71	-	
2.746e+04													
47	78	-3898.00	5647.51	0.03	0.0	0.0	-271.27	-9.30	-52.58	53.56	5647.51	-	
3898.00													
		-5067.18	-6921.35	0.16	0.0	119.5	-220.34	-9.30	-52.58	53.56	-636.92	-	

4482.59												
						239.0	-169.40	-9.30	-52.58	53.56	-6921.35	-
5067.18												
47	79	-365.57	2543.38	0.05	0.0	0.0	-446.87	-46.75	17.83	-49.56	-1720.65	-
365.57												
		-1.260e+04	-1720.65	-0.24	0.0	119.5	-395.94	-46.75	17.83	-49.56	411.36	-
6480.99												
						239.0	-345.00	-46.75	17.83	-49.56	2543.38	-
1.260e+04												
47	80	9664.61	1582.41	-0.26	0.0	0.0	-200.76	54.11	-13.13	-8.24	1582.41	-
2252.17												
		-2252.17	-1553.70	0.14	0.0	119.5	-149.82	54.11	-13.13	-8.24	14.36	
3706.22												
						239.0	-98.88	54.11	-13.13	-8.24	-1553.70	
9664.61												
47	81	-1961.44	2563.89	0.34	0.0	0.0	-512.90	-110.66	-23.71	15.68	2563.89	-
1961.44												
		-2.739e+04	-3105.99	-0.20	0.0	119.5	-461.96	-110.66	-23.71	15.68	-271.05	-
1.468e+04												
						239.0	-411.03	-110.66	-23.71	15.68	-3105.99	-
2.739e+04												
47	82	-3848.03	5866.95	0.02	0.0	0.0	-266.78	-9.80	-54.67	57.00	5866.95	-
3848.03												
		-5132.30	-7203.07	0.18	0.0	119.5	-215.85	-9.80	-54.67	57.00	-668.06	-
4490.17												
						239.0	-164.91	-9.80	-54.67	57.00	-7203.07	-
5132.30												
47	83	-296.92	2323.57	0.17	0.0	0.0	-451.25	-48.59	15.97	-47.48	-1496.68	-
296.92												
		-1.260e+04	-1496.68	-0.35	0.0	119.5	-400.31	-48.59	15.97	-47.48	413.44	-
6446.38												
						239.0	-349.38	-48.59	15.97	-47.48	2323.57	-
1.260e+04												
47	84	9795.41	1367.50	-0.14	0.0	0.0	-214.11	53.26	-10.80	-13.06	1367.50	-
2283.45												
		-2283.45	-1210.07	5.08e-03	0.0	119.5	-163.18	53.26	-10.80	-13.06	78.71	
3755.98												
						239.0	-112.24	53.26	-10.80	-13.06	-1210.07	
9795.41												
47	85	-1930.16	2778.80	0.21	0.0	0.0	-499.55	-109.81	-26.05	20.50	2778.80	-
1930.16												
		-2.752e+04	-3449.62	-0.06	0.0	119.5	-448.61	-109.81	-26.05	20.50	-335.41	-
1.473e+04												
						239.0	-397.67	-109.81	-26.05	20.50	-3449.62	-
2.752e+04												
47	86	-3916.69	5642.98	-0.09	0.0	0.0	-262.41	-7.96	-52.82	54.93	5642.98	-
3916.69												
		-5132.85	-6983.26	0.29	0.0	119.5	-211.47	-7.96	-52.82	54.93	-670.14	-
4524.77												
						239.0	-160.53	-7.96	-52.82	54.93	-6983.26	-
5132.85												
47	87	-346.89	2605.29	0.17	0.0	0.0	-455.74	-48.10	18.07	-50.93	-1716.13	-
346.89												
		-1.253e+04	-1716.13	-0.36	0.0	119.5	-404.80	-48.10	18.07	-50.93	444.58	-
6438.81												
						239.0	-353.86	-48.10	18.07	-50.93	2605.29	-
1.253e+04												
47	88	9730.29	1586.94	-0.14	0.0	0.0	-209.62	52.77	-12.89	-9.61	1586.94	-
2233.48												
		-2233.48	-1491.79	0.02	0.0	119.5	-158.69	52.77	-12.89	-9.61	47.57	
3748.40												
						239.0	-107.75	52.77	-12.89	-9.61	-1491.79	
9730.29												
47	89	-1980.12	2559.36	0.22	0.0	0.0	-504.04	-109.31	-23.95	17.05	2559.36	-
1980.12												
		-2.746e+04	-3167.90	-0.08	0.0	119.5	-453.10	-109.31	-23.95	17.05	-304.27	-
1.472e+04												
						239.0	-402.16	-109.31	-23.95	17.05	-3167.90	-
2.746e+04												
47	90	-3866.72	5862.42	-0.10	0.0	0.0	-257.92	-8.45	-54.91	58.37	5862.42	-
3866.72												
		-5197.97	-7264.98	0.30	0.0	119.5	-206.98	-8.45	-54.91	58.37	-701.28	-

4532.35												
						239.0	-156.04	-8.45	-54.91	58.37	-7264.98	-
5197.97												
47	91	1443.46	4406.96	0.51	0.0	0.0	-742.15	-188.45	32.42	-63.44	-3343.16	
1443.46												
		-4.396e+04	-3343.16	-0.62	0.0	119.5	-691.22	-188.45	32.42	-63.44	531.90	-
2.126e+04												
						239.0	-640.28	-188.45	32.42	-63.44	4406.96	-
4.396e+04												
47	92	3.067e+04	6204.10	-0.51	0.0	0.0	48.30	151.07	-56.80	51.31	6204.10	-
5178.31												
		-5178.31	-7371.84	0.55	0.0	119.5	99.24	151.07	-56.80	51.31	-583.87	
1.275e+04												
						239.0	150.18	151.07	-56.80	51.31	-7371.84	
3.067e+04												
47	93	964.70	2712.15	0.59	0.0	0.0	-761.96	-207.62	19.96	-43.87	-2057.80	964.70
		-4.840e+04	-2057.80	-0.61	0.0	119.5	-711.02	-207.62	19.96	-43.87	327.18	-
2.372e+04												
						239.0	-660.09	-207.62	19.96	-43.87	2712.15	-
4.840e+04												
47	94	2.623e+04	7489.46	-0.43	0.0	0.0	28.49	131.90	-69.26	70.89	7489.46	-
5657.07												
		-5657.07	-9066.65	0.56	0.0	119.5	79.43	131.90	-69.26	70.89	-788.60	
1.029e+04												
						239.0	130.37	131.90	-69.26	70.89	-9066.65	
2.623e+04												
47	95	1449.07	4425.54	0.54	0.0	0.0	-744.81	-188.85	32.49	-63.86	-3341.81	
1449.07												
		-4.394e+04	-3341.81	-0.66	0.0	119.5	-693.88	-188.85	32.49	-63.86	541.87	-
2.125e+04												
						239.0	-642.94	-188.85	32.49	-63.86	4425.54	-
4.394e+04												
47	96	3.069e+04	6205.46	-0.48	0.0	0.0	45.64	150.67	-56.73	50.90	6205.46	-
5172.70												
		-5172.70	-7353.27	0.51	0.0	119.5	96.58	150.67	-56.73	50.90	-573.91	
1.276e+04												
						239.0	147.52	150.67	-56.73	50.90	-7353.27	
3.069e+04												
47	97	959.10	2693.58	0.56	0.0	0.0	-759.30	-207.22	19.89	-43.46	-2059.16	959.10
		-4.842e+04	-2059.16	-0.57	0.0	119.5	-708.36	-207.22	19.89	-43.46	317.21	-
2.373e+04												
						239.0	-657.43	-207.22	19.89	-43.46	2693.58	-
4.842e+04												
47	98	2.622e+04	7488.10	-0.46	0.0	0.0	31.15	132.30	-69.34	71.30	7488.10	-
5662.68												
		-5662.68	-9085.23	0.60	0.0	119.5	82.09	132.30	-69.34	71.30	-798.56	
1.028e+04												
						239.0	133.03	132.30	-69.34	71.30	-9085.23	
2.622e+04												
47	99	1276.90	5346.02	0.52	0.0	0.0	-757.12	-186.79	39.41	-74.93	-4074.64	
1276.90												
		-4.375e+04	-4074.64	-0.67	0.0	119.5	-706.18	-186.79	39.41	-74.93	635.69	-
2.123e+04												
						239.0	-655.24	-186.79	39.41	-74.93	5346.02	-
4.375e+04												
47	100	3.046e+04	6935.57	-0.53	0.0	0.0	63.27	149.41	-63.79	62.80	6935.57	-
5011.75												
		-5011.75	-8310.90	0.60	0.0	119.5	114.21	149.41	-63.79	62.80	-687.66	
1.272e+04												
						239.0	165.14	149.41	-63.79	62.80	-8310.90	
3.046e+04												
47	101	798.14	3651.21	0.61	0.0	0.0	-776.93	-205.96	26.95	-55.36	-2789.27	798.14
		-4.819e+04	-2789.27	-0.66	0.0	119.5	-725.99	-205.96	26.95	-55.36	430.97	-
2.369e+04												
						239.0	-675.05	-205.96	26.95	-55.36	3651.21	-
4.819e+04												
47	102	2.602e+04	8220.93	-0.44	0.0	0.0	43.46	130.24	-76.25	82.38	8220.93	-
5490.51												
		-5490.51	-1.001e+04	0.61	0.0	119.5	94.40	130.24	-76.25	82.38	-892.39	
1.026e+04												
						239.0	145.34	130.24	-76.25	82.38	-1.001e+04	
2.602e+04												

47	103	1282.51	5364.59	0.56	0.0	0.0	-759.78	-187.19	39.48	-75.34	-4073.28	1282.51
		-4.373e+04	-4073.28	-0.70	0.0	119.5	-708.84	-187.19	39.48	-75.34	645.66	-2.122e+04
						239.0	-657.90	-187.19	39.48	-75.34	5364.59	-4.373e+04
47	104	3.048e+04	6936.93	-0.49	0.0	0.0	60.61	149.01	-63.72	62.39	6936.93	-5006.14
		-5006.14	-8292.33	0.56	0.0	119.5	111.55	149.01	-63.72	62.39	-677.70	1.274e+04
						239.0	162.48	149.01	-63.72	62.39	-8292.33	3.048e+04
47	105	792.53	3632.64	0.57	0.0	0.0	-774.27	-205.56	26.87	-54.95	-2790.63	792.53
		-4.821e+04	-2790.63	-0.62	0.0	119.5	-723.33	-205.56	26.87	-54.95	421.00	-2.371e+04
						239.0	-672.39	-205.56	26.87	-54.95	3632.64	-4.821e+04
47	106	2.600e+04	8219.58	-0.48	0.0	0.0	46.12	130.64	-76.32	82.79	8219.58	-5496.11
		-5496.11	-1.002e+04	0.65	0.0	119.5	97.06	130.64	-76.32	82.79	-902.35	1.025e+04
						239.0	148.00	130.64	-76.32	82.79	-1.002e+04	2.600e+04
48	1	556.38	407.38	0.01	0.0	0.0	-350.94	-9.92	3.17	-4.34	-350.01	556.38
		-1814.12	-350.01	-0.04	0.0	119.5	-284.72	-9.92	3.17	-4.34	28.68	-628.87
						239.0	-218.50	-9.92	3.17	-4.34	407.38	-1814.12
48	2	1347.08	303.61	0.04	0.0	0.0	-1424.03	-67.53	-2.66	-12.86	303.61	1347.08
		-1.479e+04	-332.13	-0.10	0.0	119.5	-1357.81	-67.53	-2.66	-12.86	-14.26	-6722.83
						239.0	-1291.59	-67.53	-2.66	-12.86	-332.13	1.479e+04
48	3	413.06	327.32	7.51e-03	0.0	0.0	-249.70	-6.54	2.55	-3.18	-281.57	413.06
		-1150.54	-281.57	-0.03	0.0	119.5	-198.76	-6.54	2.55	-3.18	22.87	-368.74
						239.0	-147.82	-6.54	2.55	-3.18	327.32	-1150.54
48	4	1203.76	372.05	0.04	0.0	0.0	-1322.79	-64.15	-3.28	-11.70	372.05	1203.76
		-1.413e+04	-412.18	-0.09	0.0	119.5	-1271.85	-64.15	-3.28	-11.70	-20.07	-6462.70
						239.0	-1220.91	-64.15	-3.28	-11.70	-412.18	1.413e+04
48	5	421.50	319.43	7.81e-03	0.0	0.0	-261.15	-7.16	2.49	-3.27	-274.60	421.50
		-1288.98	-274.60	-0.03	0.0	119.5	-210.21	-7.16	2.49	-3.27	22.42	-433.74
						239.0	-159.27	-7.16	2.49	-3.27	319.43	-1288.98
48	6	948.63	161.15	0.03	0.0	0.0	-976.54	-45.56	-1.40	-8.95	161.15	948.63
		-9941.40	-173.57	-0.07	0.0	119.5	-925.60	-45.56	-1.40	-8.95	-6.21	-4496.38
						239.0	-874.66	-45.56	-1.40	-8.95	-173.57	9941.40
48	7	421.50	319.43	7.81e-03	0.0	0.0	-261.15	-7.16	2.49	-3.27	-274.60	421.50
		-1288.98	-274.60	-0.03	0.0	119.5	-210.21	-7.16	2.49	-3.27	22.42	-433.74
						239.0	-159.27	-7.16	2.49	-3.27	319.43	-1288.98
48	8	790.49	30.42	0.02	0.0	0.0	-761.92	-34.04	-0.23	-7.25	30.42	790.49
		-7345.67	-25.67	-0.06	0.0	119.5	-710.98	-34.04	-0.23	-7.25	2.38	-3277.59
						239.0	-660.05	-34.04	-0.23	-7.25	-25.67	7345.67
48	9	421.50	319.43	7.81e-03	0.0	0.0	-261.15	-7.16	2.49	-3.27	-274.60	421.50
		-1288.98	-274.60	-0.03	0.0	119.5	-210.21	-7.16	2.49	-3.27	22.42	-433.74
						239.0	-159.27	-7.16	2.49	-3.27	319.43	-1288.98
48	10	737.78	23.63	0.02	0.0	0.0	-690.38	-30.20	0.15	-6.68	-13.15	737.78
		-6480.43	-13.15	-0.06	0.0	119.5	-639.44	-30.20	0.15	-6.68	5.24	-

2871.33												
						239.0	-588.51	-30.20	0.15	-6.68	23.63	-
6480.43												
48	11	3260.23	7393.57	-0.08	0.0	0.0	-706.88	6.40	57.11	-79.95	-6253.14	
1962.46												
		1962.46	-6253.14	-0.29	0.0	119.5	-655.95	6.40	57.11	-79.95	570.21	
2611.35												
						239.0	-605.01	6.40	57.11	-79.95	7393.57	
3260.23												
48	12	2.794e+04	1.017e+04	-0.10	0.0	0.0	-833.14	109.16	-92.83	-22.63	1.017e+04	
2271.75												
		2271.75	-1.201e+04	0.34	0.0	119.5	-782.20	109.16	-92.83	-22.63	-920.11	
1.510e+04												
						239.0	-731.27	109.16	-92.83	-22.63	-1.201e+04	
2.794e+04												
48	13	-796.20	1.206e+04	0.14	0.0	0.0	-547.62	-169.56	93.14	9.27	-1.020e+04	-
796.20												
		-4.090e+04	-1.020e+04	-0.45	0.0	119.5	-496.69	-169.56	93.14	9.27	930.59	-
2.085e+04												
						239.0	-445.75	-169.56	93.14	9.27	1.206e+04	-
4.090e+04												
48	14	-486.91	6226.84	0.12	0.0	0.0	-673.88	-66.80	-56.80	66.59	6226.84	-
486.91												
		-1.622e+04	-7346.31	0.18	0.0	119.5	-622.94	-66.80	-56.80	66.59	-559.74	-
8354.00												
						239.0	-572.01	-66.80	-56.80	66.59	-7346.31	-
1.622e+04												
48	15	3876.43	7837.68	-0.08	0.0	0.0	-712.95	8.88	60.60	-85.16	-6642.71	
1942.76												
		1942.76	-6642.71	-0.31	0.0	119.5	-662.02	8.88	60.60	-85.16	597.48	
2909.60												
						239.0	-611.08	8.88	60.60	-85.16	7837.68	
3876.43												
48	16	2.732e+04	1.056e+04	-0.10	0.0	0.0	-827.07	106.68	-96.32	-17.42	1.056e+04	
2291.45												
		2291.45	-1.246e+04	0.36	0.0	119.5	-776.13	106.68	-96.32	-17.42	-947.38	
1.481e+04												
						239.0	-725.20	106.68	-96.32	-17.42	-1.246e+04	
2.732e+04												
48	17	-815.90	1.251e+04	0.14	0.0	0.0	-553.69	-167.08	96.63	4.06	-1.059e+04	-
815.90												
		-4.028e+04	-1.059e+04	-0.47	0.0	119.5	-502.76	-167.08	96.63	4.06	957.86	-
2.055e+04												
						239.0	-451.82	-167.08	96.63	4.06	1.251e+04	-
4.028e+04												
48	18	-467.21	6616.41	0.11	0.0	0.0	-667.81	-69.28	-60.29	71.80	6616.41	-
467.21												
		-1.684e+04	-7790.41	0.20	0.0	119.5	-616.87	-69.28	-60.29	71.80	-587.00	-
8652.25												
						239.0	-565.94	-69.28	-60.29	71.80	-7790.41	-
1.684e+04												
48	19	4397.38	8201.83	-0.08	0.0	0.0	-708.35	11.61	63.40	-81.91	-6949.86	
1889.82												
		1889.82	-6949.86	-0.32	0.0	119.5	-657.41	11.61	63.40	-81.91	625.98	
3143.60												
						239.0	-606.47	11.61	63.40	-81.91	8201.83	
4397.38												
48	20	2.907e+04	9477.59	-0.11	0.0	0.0	-834.60	114.37	-86.53	-24.59	9477.59	
2199.10												
		2199.10	-1.121e+04	0.32	0.0	119.5	-783.67	114.37	-86.53	-24.59	-864.34	
1.564e+04												
						239.0	-732.73	114.37	-86.53	-24.59	-1.121e+04	
2.907e+04												
48	21	-723.55	1.125e+04	0.15	0.0	0.0	-546.16	-174.77	86.84	11.23	-9503.90	-
723.55												
		-4.204e+04	-9503.90	-0.43	0.0	119.5	-495.22	-174.77	86.84	11.23	874.82	-
2.138e+04												
						239.0	-444.28	-174.77	86.84	11.23	1.125e+04	-
4.204e+04												
48	22	-414.27	6923.55	0.12	0.0	0.0	-672.42	-72.02	-63.10	68.56	6923.55	-
414.27												
		-1.736e+04	-8154.57	0.21	0.0	119.5	-621.48	-72.02	-63.10	68.56	-615.51	-

8886.26												
						239.0	-570.54	-72.02	-63.10	68.56	-8154.57	-
1.736e+04												
48	23	5013.58	8645.94	-0.08	0.0	0.0	-714.42	14.09	66.89	-87.12	-7339.43	
1870.12												
		1870.12	-7339.43	-0.33	0.0	119.5	-663.48	14.09	66.89	-87.12	653.25	
3441.85												
						239.0	-612.54	14.09	66.89	-87.12	8645.94	
5013.58												
48	24	2.846e+04	9867.16	-0.11	0.0	0.0	-828.53	111.89	-90.02	-19.38	9867.16	
2218.81												
		2218.81	-1.165e+04	0.33	0.0	119.5	-777.60	111.89	-90.02	-19.38	-891.61	
1.534e+04												
						239.0	-726.66	111.89	-90.02	-19.38	-1.165e+04	
2.846e+04												
48	25	-743.25	1.170e+04	0.15	0.0	0.0	-552.23	-172.30	90.33	6.03	-9893.47	-
743.25												
		-4.142e+04	-9893.47	-0.44	0.0	119.5	-501.29	-172.30	90.33	6.03	902.09	-
2.108e+04												
						239.0	-450.35	-172.30	90.33	6.03	1.170e+04	-
4.142e+04												
48	26	-394.56	7313.12	0.12	0.0	0.0	-666.35	-74.49	-66.58	73.77	7313.12	-
394.56												
		-1.797e+04	-8598.68	0.22	0.0	119.5	-615.41	-74.49	-66.58	73.77	-642.78	-
9184.51												
						239.0	-564.47	-74.49	-66.58	73.77	-8598.68	-
1.797e+04												
48	27	636.10	3.167e+04	0.05	0.0	0.0	-503.84	-175.07	244.64	-115.60	-2.680e+04	636.10
		-4.099e+04	-2.680e+04	-1.09	0.0	119.5	-452.90	-175.07	244.64	-115.60	2435.06	-
2.017e+04												
						239.0	-401.97	-175.07	244.64	-115.60	3.167e+04	-
4.099e+04												
48	28	4.127e+04	2.796e+04	-0.07	0.0	0.0	-924.70	167.45	-255.15	75.48	2.796e+04	
1667.05												
		1667.05	-3.302e+04	1.03	0.0	119.5	-873.76	167.45	-255.15	75.48	-2532.70	
2.147e+04												
						239.0	-822.83	167.45	-255.15	75.48	-3.302e+04	
4.127e+04												
48	29	-191.50	3.307e+04	0.10	0.0	0.0	-456.06	-227.86	255.45	-88.83	-2.798e+04	-
191.50												
		-5.423e+04	-2.798e+04	-1.14	0.0	119.5	-405.13	-227.86	255.45	-88.83	2543.17	-
2.721e+04												
						239.0	-354.19	-227.86	255.45	-88.83	3.307e+04	-
5.423e+04												
48	30	2.802e+04	2.677e+04	-0.01	0.0	0.0	-876.92	114.66	-244.34	102.24	2.677e+04	839.45
		839.45	-3.162e+04	0.98	0.0	119.5	-825.98	114.66	-244.34	102.24	-2424.58	
1.443e+04												
						239.0	-775.05	114.66	-244.34	102.24	-3.162e+04	
2.802e+04												
48	31	614.31	3.191e+04	0.04	0.0	0.0	-504.28	-173.50	246.53	-116.19	-2.701e+04	614.31
		-4.064e+04	-2.701e+04	-1.10	0.0	119.5	-453.34	-173.50	246.53	-116.19	2451.79	-
2.001e+04												
						239.0	-402.41	-173.50	246.53	-116.19	3.191e+04	-
4.064e+04												
48	32	4.161e+04	2.775e+04	-0.07	0.0	0.0	-925.14	169.02	-253.26	74.89	2.775e+04	
1645.26												
		1645.26	-3.278e+04	1.02	0.0	119.5	-874.20	169.02	-253.26	74.89	-2515.96	
2.163e+04												
						239.0	-823.26	169.02	-253.26	74.89	-3.278e+04	
4.161e+04												
48	33	-169.70	3.283e+04	0.10	0.0	0.0	-455.62	-229.42	253.56	-88.24	-2.778e+04	-
169.70												
		-5.457e+04	-2.778e+04	-1.13	0.0	119.5	-404.69	-229.42	253.56	-88.24	2526.44	-
2.737e+04												
						239.0	-353.75	-229.42	253.56	-88.24	3.283e+04	-
5.457e+04												
48	34	2.768e+04	2.698e+04	-0.01	0.0	0.0	-876.48	113.10	-246.23	102.83	2.698e+04	861.25
		861.25	-3.187e+04	0.99	0.0	119.5	-825.55	113.10	-246.23	102.83	-2441.31	
1.427e+04												
						239.0	-774.61	113.10	-246.23	102.83	-3.187e+04	
2.768e+04												
48	35	570.43	3.315e+04	0.05	0.0	0.0	-524.08	-166.82	256.27	-132.96	-2.810e+04	570.43

		-3.893e+04	-2.810e+04	-1.13	0.0	119.5	-473.14	-166.82	256.27	-132.96	2525.96	-1.918e+04
						239.0	-422.20	-166.82	256.27	-132.96	3.315e+04	-3.893e+04
48	36	3.922e+04	2.926e+04	-0.07	0.0	0.0	-904.47	159.20	-266.77	92.84	2.926e+04	1732.72
		1732.72	-3.450e+04	1.07	0.0	119.5	-853.53	159.20	-266.77	92.84	-2623.59	2.048e+04
						239.0	-802.59	159.20	-266.77	92.84	-3.450e+04	3.922e+04
48	37	-257.17	3.455e+04	0.11	0.0	0.0	-476.30	-219.60	267.08	-106.20	-2.928e+04	-257.17
		-5.218e+04	-2.928e+04	-1.18	0.0	119.5	-425.36	-219.60	267.08	-106.20	2634.07	-2.622e+04
						239.0	-374.42	-219.60	267.08	-106.20	3.455e+04	-5.218e+04
48	38	2.597e+04	2.807e+04	-0.02	0.0	0.0	-856.69	106.41	-255.96	119.60	2.807e+04	905.13
		905.13	-3.310e+04	1.02	0.0	119.5	-805.75	106.41	-255.96	119.60	-2515.48	1.344e+04
						239.0	-754.81	106.41	-255.96	119.60	-3.310e+04	2.597e+04
48	39	548.63	3.339e+04	0.05	0.0	0.0	-524.52	-165.25	258.16	-133.55	-2.831e+04	548.63
		-3.859e+04	-2.831e+04	-1.14	0.0	119.5	-473.58	-165.25	258.16	-133.55	2542.69	-1.902e+04
						239.0	-422.64	-165.25	258.16	-133.55	3.339e+04	-3.859e+04
48	40	3.956e+04	2.905e+04	-0.07	0.0	0.0	-904.90	160.76	-264.88	92.25	2.905e+04	1710.93
		1710.93	-3.426e+04	1.06	0.0	119.5	-853.97	160.76	-264.88	92.25	-2606.86	2.064e+04
						239.0	-803.03	160.76	-264.88	92.25	-3.426e+04	3.956e+04
48	41	-235.38	3.431e+04	0.11	0.0	0.0	-475.86	-221.17	265.19	-105.61	-2.907e+04	-235.38
		-5.252e+04	-2.907e+04	-1.17	0.0	119.5	-424.92	-221.17	265.19	-105.61	2617.34	-2.638e+04
						239.0	-373.98	-221.17	265.19	-105.61	3.431e+04	-5.252e+04
48	42	2.563e+04	2.828e+04	-0.01	0.0	0.0	-856.25	104.85	-257.85	120.19	2.828e+04	926.92
		926.92	-3.335e+04	1.03	0.0	119.5	-805.31	104.85	-257.85	120.19	-2532.21	1.328e+04
						239.0	-754.37	104.85	-257.85	120.19	-3.335e+04	2.563e+04
48	43	1644.22	5873.66	-0.06	0.0	0.0	-701.66	-1.27	45.37	-64.64	-4969.83	1644.22
		1232.00	-4969.83	-0.24	0.0	119.5	-650.72	-1.27	45.37	-64.64	451.91	1438.11
						239.0	-599.78	-1.27	45.37	-64.64	5873.66	1232.00
48	44	2.079e+04	8049.22	-0.08	0.0	0.0	-801.42	80.17	-73.46	-19.21	8049.22	1879.49
		1879.49	-9509.14	0.26	0.0	119.5	-750.49	80.17	-73.46	-19.21	-729.96	1.133e+04
						239.0	-699.55	80.17	-73.46	-19.21	-9509.14	2.079e+04
48	45	-403.94	9556.40	0.12	0.0	0.0	-579.34	-140.57	73.77	5.85	-8075.52	-403.94
		-3.375e+04	-8075.52	-0.37	0.0	119.5	-528.40	-140.57	73.77	5.85	740.44	-1.708e+04
						239.0	-477.46	-140.57	73.77	5.85	9556.40	-3.375e+04
48	46	-168.67	4943.53	0.10	0.0	0.0	-679.11	-59.13	-45.07	51.28	4943.53	-168.67
		-1.419e+04	-5826.40	0.13	0.0	119.5	-628.17	-59.13	-45.07	51.28	-441.43	-7180.77
						239.0	-577.23	-59.13	-45.07	51.28	-5826.40	-1.419e+04
48	47	1720.52	6225.64	-0.06	0.0	0.0	-706.52	0.69	48.14	-68.77	-5278.57	1631.97
		1631.97	-5278.57	-0.25	0.0	119.5	-655.59	0.69	48.14	-68.77	473.54	1676.25
						239.0	-604.65	0.69	48.14	-68.77	6225.64	

1720.52												
48	48	2.030e+04	8357.95	-0.08	0.0	0.0	-796.56	78.21	-76.22	-15.08	8357.95	
1891.74												
		1891.74	-9861.12	0.27	0.0	119.5	-745.62	78.21	-76.22	-15.08	-751.58	
1.110e+04												
						239.0	-694.68	78.21	-76.22	-15.08	-9861.12	
2.030e+04												
48	49	-416.19	9908.38	0.12	0.0	0.0	-584.20	-138.61	76.53	1.72	-8384.26	-
416.19												
		-3.326e+04	-8384.26	-0.38	0.0	119.5	-533.27	-138.61	76.53	1.72	762.06	-
1.684e+04												
						239.0	-482.33	-138.61	76.53	1.72	9908.38	-
3.326e+04												
48	50	-156.42	5252.26	0.09	0.0	0.0	-674.24	-61.09	-47.83	55.41	5252.26	-
156.42												
		-1.468e+04	-6178.38	0.14	0.0	119.5	-623.30	-61.09	-47.83	55.41	-463.06	-
7418.90												
						239.0	-572.37	-61.09	-47.83	55.41	-6178.38	-
1.468e+04												
48	51	2131.96	6518.82	-0.06	0.0	0.0	-702.85	2.86	50.40	-66.17	-5525.46	
1580.47												
		1580.47	-5525.46	-0.26	0.0	119.5	-651.91	2.86	50.40	-66.17	496.68	
1856.21												
						239.0	-600.97	2.86	50.40	-66.17	6518.82	
2131.96												
48	52	2.169e+04	7493.59	-0.08	0.0	0.0	-802.61	84.30	-68.44	-20.74	7493.59	
1815.74												
		1815.74	-8863.98	0.24	0.0	119.5	-751.68	84.30	-68.44	-20.74	-685.19	
1.175e+04												
						239.0	-700.74	84.30	-68.44	-20.74	-8863.98	
2.169e+04												
48	53	-340.19	8911.24	0.12	0.0	0.0	-578.15	-144.70	68.74	7.39	-7519.90	-
340.19												
		-3.465e+04	-7519.90	-0.35	0.0	119.5	-527.21	-144.70	68.74	7.39	695.67	-
1.750e+04												
						239.0	-476.28	-144.70	68.74	7.39	8911.24	-
3.465e+04												
48	54	-104.91	5499.15	0.10	0.0	0.0	-677.92	-63.26	-50.09	52.81	5499.15	-
104.91												
		-1.509e+04	-6471.55	0.15	0.0	119.5	-626.98	-63.26	-50.09	52.81	-486.20	-
7598.87												
						239.0	-576.04	-63.26	-50.09	52.81	-6471.55	-
1.509e+04												
48	55	2620.48	6870.80	-0.06	0.0	0.0	-707.71	4.82	53.16	-70.30	-5834.19	
1568.22												
		1568.22	-5834.19	-0.27	0.0	119.5	-656.77	4.82	53.16	-70.30	518.30	
2094.35												
						239.0	-605.84	4.82	53.16	-70.30	6870.80	
2620.48												
48	56	2.120e+04	7802.32	-0.08	0.0	0.0	-797.75	82.34	-71.20	-16.61	7802.32	
1827.99												
		1827.99	-9215.96	0.25	0.0	119.5	-746.81	82.34	-71.20	-16.61	-706.82	
1.151e+04												
						239.0	-695.87	82.34	-71.20	-16.61	-9215.96	
2.120e+04												
48	57	-352.44	9263.22	0.12	0.0	0.0	-583.02	-142.74	71.51	3.26	-7828.63	-
352.44												
		-3.416e+04	-7828.63	-0.36	0.0	119.5	-532.08	-142.74	71.51	3.26	717.30	-
1.726e+04												
						239.0	-481.14	-142.74	71.51	3.26	9263.22	-
3.416e+04												
48	58	-92.67	5807.89	0.10	0.0	0.0	-673.05	-65.22	-52.86	56.94	5807.89	-92.67
		-1.558e+04	-6823.54	0.16	0.0	119.5	-622.11	-65.22	-52.86	56.94	-507.82	-
7837.01												
						239.0	-571.18	-65.22	-52.86	56.94	-6823.54	-
1.558e+04												
48	59	652.88	2.511e+04	0.04	0.0	0.0	-542.45	-145.04	193.95	-92.97	-2.125e+04	652.88
		-3.383e+04	-2.125e+04	-0.88	0.0	119.5	-491.52	-145.04	193.95	-92.97	1931.75	-
1.659e+04												
						239.0	-440.58	-145.04	193.95	-92.97	2.511e+04	-
3.383e+04												
48	60	3.136e+04	2.215e+04	-0.05	0.0	0.0	-875.01	126.43	-202.16	58.46	2.215e+04	

1437.12													
		1437.12	-2.617e+04	0.81	0.0	119.5	-824.07	126.43	-202.16	58.46	-2007.83		
1.640e+04													
						239.0	-773.13	126.43	-202.16	58.46	-2.617e+04		
3.136e+04													
48	61	38.43	2.621e+04	0.08	0.0	0.0	-505.76	-186.83	202.47	-71.82	-2.218e+04	38.43	
		-4.432e+04	-2.218e+04	-0.92	0.0	119.5	-454.82	-186.83	202.47	-71.82	2018.31		-
2.214e+04													
						239.0	-403.88	-186.83	202.47	-71.82	2.621e+04		-
4.432e+04													
48	62	2.087e+04	2.122e+04	0.01	0.0	0.0	-838.31	84.64	-193.64	79.61	2.122e+04	822.67	
		822.67	-2.506e+04	0.77	0.0	119.5	-787.37	84.64	-193.64	79.61	-1921.27		
1.085e+04													
						239.0	-736.44	84.64	-193.64	79.61	-2.506e+04		
2.087e+04													
48	63	633.75	2.530e+04	0.04	0.0	0.0	-542.81	-143.80	195.46	-93.43	-2.141e+04	633.75	
		-3.356e+04	-2.141e+04	-0.88	0.0	119.5	-491.87	-143.80	195.46	-93.43	1945.18		-
1.646e+04													
						239.0	-440.93	-143.80	195.46	-93.43	2.530e+04		-
3.356e+04													
48	64	3.163e+04	2.198e+04	-0.05	0.0	0.0	-875.36	127.67	-200.66	58.00	2.198e+04		
1418.00													
		1418.00	-2.597e+04	0.80	0.0	119.5	-824.43	127.67	-200.66	58.00	-1994.40		
1.653e+04													
						239.0	-773.49	127.67	-200.66	58.00	-2.597e+04		
3.163e+04													
48	65	57.56	2.602e+04	0.09	0.0	0.0	-505.40	-188.07	200.96	-71.36	-2.201e+04	57.56	
		-4.459e+04	-2.201e+04	-0.91	0.0	119.5	-454.46	-188.07	200.96	-71.36	2004.88		-
2.227e+04													
						239.0	-403.53	-188.07	200.96	-71.36	2.602e+04		-
4.459e+04													
48	66	2.060e+04	2.139e+04	0.01	0.0	0.0	-837.95	83.40	-195.15	80.07	2.139e+04	841.80	
		841.80	-2.526e+04	0.77	0.0	119.5	-787.02	83.40	-195.15	80.07	-1934.70		
1.072e+04													
						239.0	-736.08	83.40	-195.15	80.07	-2.526e+04		
2.060e+04													
48	67	612.05	2.628e+04	0.04	0.0	0.0	-558.67	-138.50	203.17	-106.73	-2.227e+04	612.05	
		-3.220e+04	-2.227e+04	-0.91	0.0	119.5	-507.73	-138.50	203.17	-106.73	2003.83		-
1.579e+04													
						239.0	-456.79	-138.50	203.17	-106.73	2.628e+04		-
3.220e+04													
48	68	2.974e+04	2.318e+04	-0.05	0.0	0.0	-858.79	119.89	-211.38	72.22	2.318e+04		
1477.95													
		1477.95	-2.734e+04	0.84	0.0	119.5	-807.85	119.89	-211.38	72.22	-2079.91		
1.561e+04													
						239.0	-756.91	119.89	-211.38	72.22	-2.734e+04		
2.974e+04													
48	69	-2.40	2.739e+04	0.09	0.0	0.0	-521.97	-180.29	211.69	-85.58	-2.321e+04	-2.40	
		-4.270e+04	-2.321e+04	-0.95	0.0	119.5	-471.04	-180.29	211.69	-85.58	2090.39		-
2.135e+04													
						239.0	-420.10	-180.29	211.69	-85.58	2.739e+04		-
4.270e+04													
48	70	1.924e+04	2.225e+04	-9.65e-03	0.0	0.0	-822.09	78.10	-202.86	93.37	2.225e+04	863.50	
		863.50	-2.624e+04	0.80	0.0	119.5	-771.16	78.10	-202.86	93.37	-1993.35		
1.005e+04													
						239.0	-720.22	78.10	-202.86	93.37	-2.624e+04		
1.924e+04													
48	71	592.93	2.648e+04	0.04	0.0	0.0	-559.03	-137.26	204.68	-107.19	-2.244e+04	592.93	
		-3.193e+04	-2.244e+04	-0.92	0.0	119.5	-508.09	-137.26	204.68	-107.19	2017.26		-
1.567e+04													
						239.0	-457.15	-137.26	204.68	-107.19	2.648e+04		-
3.193e+04													
48	72	3.001e+04	2.301e+04	-0.05	0.0	0.0	-859.15	121.13	-209.87	71.76	2.301e+04		
1458.82													
		1458.82	-2.715e+04	0.83	0.0	119.5	-808.21	121.13	-209.87	71.76	-2066.48		
1.573e+04													
						239.0	-757.27	121.13	-209.87	71.76	-2.715e+04		
3.001e+04													
48	73	16.73	2.719e+04	0.09	0.0	0.0	-521.62	-181.53	210.18	-85.12	-2.304e+04	16.73	
		-4.297e+04	-2.304e+04	-0.94	0.0	119.5	-470.68	-181.53	210.18	-85.12	2076.96		-
2.147e+04													
						239.0	-419.74	-181.53	210.18	-85.12	2.719e+04		-

4.297e+04												
48	74	1.897e+04	2.242e+04	9.34e-03	0.0	0.0	-821.74	76.86	-204.37	93.83	2.242e+04	882.63
		882.63	-2.643e+04	0.81	0.0	119.5	-770.80	76.86	-204.37	93.83	-2006.78	
9926.49												
						239.0	-719.86	76.86	-204.37	93.83	-2.643e+04	
1.897e+04												
48	75	1488.81	4856.84	-0.04	0.0	0.0	-699.83	-6.29	37.51	-54.61	-4108.29	
1488.81												
		-104.87	-4108.29	-0.21	0.0	119.5	-648.89	-6.29	37.51	-54.61	374.28	691.97
						239.0	-597.96	-6.29	37.51	-54.61	4856.84	-
104.87												
48	76	1.606e+04	6650.81	-0.06	0.0	0.0	-782.29	61.02	-60.69	-17.06	6650.81	
1683.73												
		1683.73	-7855.64	0.21	0.0	119.5	-731.35	61.02	-60.69	-17.06	-602.42	
8870.93												
						239.0	-680.41	61.02	-60.69	-17.06	-7855.64	
1.606e+04												
48	77	-208.18	7902.90	0.10	0.0	0.0	-598.47	-121.42	61.00	3.71	-6677.11	-
208.18												
		-2.902e+04	-6677.11	-0.32	0.0	119.5	-547.54	-121.42	61.00	3.71	612.89	-
1.461e+04												
						239.0	-496.60	-121.42	61.00	3.71	7902.90	-
2.902e+04												
48	78	-13.26	4081.98	0.08	0.0	0.0	-680.93	-54.12	-37.21	41.25	4081.98	-13.26
		-1.286e+04	-4809.58	0.10	0.0	119.5	-629.99	-54.12	-37.21	41.25	-363.80	-
6434.63												
						239.0	-579.06	-54.12	-37.21	41.25	-4809.58	-
1.286e+04												
48	79	1478.62	5147.73	-0.04	0.0	0.0	-703.85	-4.66	39.80	-58.02	-4363.43	
1478.62												
		298.85	-4363.43	-0.22	0.0	119.5	-652.91	-4.66	39.80	-58.02	392.15	888.73
						239.0	-601.97	-4.66	39.80	-58.02	5147.73	298.85
48	80	1.565e+04	6905.95	-0.06	0.0	0.0	-778.27	59.40	-62.98	-13.65	6905.95	
1693.93												
		1693.93	-8146.52	0.21	0.0	119.5	-727.33	59.40	-62.98	-13.65	-620.29	
8674.16												
						239.0	-676.40	59.40	-62.98	-13.65	-8146.52	
1.565e+04												
48	81	-218.37	8193.78	0.10	0.0	0.0	-602.49	-119.80	63.28	0.29	-6932.26	-
218.37												
		-2.862e+04	-6932.26	-0.32	0.0	119.5	-551.55	-119.80	63.28	0.29	630.76	-
1.442e+04												
						239.0	-500.62	-119.80	63.28	0.29	8193.78	-
2.862e+04												
48	82	-3.06	4337.12	0.08	0.0	0.0	-676.91	-55.74	-39.49	44.66	4337.12	-3.06
		-1.326e+04	-5100.46	0.11	0.0	119.5	-625.98	-55.74	-39.49	44.66	-381.67	-
6631.39												
						239.0	-575.04	-55.74	-39.49	44.66	-5100.46	-
1.326e+04												
48	83	1436.35	5389.52	-0.05	0.0	0.0	-700.80	-2.87	41.66	-55.87	-4567.10	
1436.35												
		638.55	-4567.10	-0.23	0.0	119.5	-649.86	-2.87	41.66	-55.87	411.21	
1037.45												
						239.0	-598.92	-2.87	41.66	-55.87	5389.52	638.55
48	84	1.680e+04	6191.99	-0.06	0.0	0.0	-783.26	64.43	-56.54	-18.33	6191.99	
1631.28												
		1631.28	-7322.97	0.19	0.0	119.5	-732.32	64.43	-56.54	-18.33	-565.49	
9216.41												
						239.0	-681.38	64.43	-56.54	-18.33	-7322.97	
1.680e+04												
48	85	-155.73	7370.23	0.10	0.0	0.0	-597.50	-124.83	56.85	4.97	-6218.30	-
155.73												
		-2.976e+04	-6218.30	-0.30	0.0	119.5	-546.57	-124.83	56.85	4.97	575.96	-
1.496e+04												
						239.0	-495.63	-124.83	56.85	4.97	7370.23	-
2.976e+04												
48	86	39.20	4540.80	0.09	0.0	0.0	-679.96	-57.53	-41.36	42.51	4540.80	39.20
		-1.360e+04	-5342.26	0.12	0.0	119.5	-629.03	-57.53	-41.36	42.51	-400.73	-
6780.11												
						239.0	-578.09	-57.53	-41.36	42.51	-5342.26	-
1.360e+04												
48	87	1426.16	5680.40	-0.05	0.0	0.0	-704.82	-1.25	43.95	-59.28	-4822.24	

1426.16												
		1042.27	-4822.24	-0.24	0.0	119.5	-653.88	-1.25	43.95	-59.28	429.08	
1234.22												
						239.0	-602.94	-1.25	43.95	-59.28	5680.40	
1042.27												
48	88	1.640e+04	6447.14	-0.07	0.0	0.0	-779.24	62.81	-58.83	-14.91	6447.14	
1641.47												
		1641.47	-7613.85	0.20	0.0	119.5	-728.30	62.81	-58.83	-14.91	-583.36	
9019.65												
						239.0	-677.37	62.81	-58.83	-14.91	-7613.85	
1.640e+04												
48	89	-165.92	7661.11	0.10	0.0	0.0	-601.52	-123.21	59.14	1.56	-6473.44	-
165.92												
		-2.936e+04	-6473.44	-0.31	0.0	119.5	-550.59	-123.21	59.14	1.56	593.83	-
1.476e+04												
						239.0	-499.65	-123.21	59.14	1.56	7661.11	-
2.936e+04												
48	90	49.39	4795.94	0.08	0.0	0.0	-675.95	-59.15	-43.64	45.93	4795.94	49.39
		-1.400e+04	-5633.14	0.13	0.0	119.5	-625.01	-59.15	-43.64	45.93	-418.60	-
6976.87												
						239.0	-574.07	-59.15	-43.64	45.93	-5633.14	-
1.400e+04												
48	91	667.45	2.075e+04	0.04	0.0	0.0	-568.15	-125.11	160.31	-78.00	-1.756e+04	667.45
		-2.908e+04	-1.756e+04	-0.73	0.0	119.5	-517.22	-125.11	160.31	-78.00	1597.27	-
1.421e+04												
						239.0	-466.28	-125.11	160.31	-78.00	2.075e+04	-
2.908e+04												
48	92	2.479e+04	1.830e+04	-0.04	0.0	0.0	-843.02	99.24	-167.05	47.15	1.830e+04	
1317.20												
		1317.20	-2.162e+04	0.66	0.0	119.5	-792.08	99.24	-167.05	47.15	-1658.38	
1.306e+04												
						239.0	-741.14	99.24	-167.05	47.15	-2.162e+04	
2.479e+04												
48	93	158.35	2.167e+04	0.07	0.0	0.0	-537.75	-159.65	167.35	-60.50	-1.833e+04	158.35
		-3.776e+04	-1.833e+04	-0.77	0.0	119.5	-486.81	-159.65	167.35	-60.50	1668.86	-
1.880e+04												
						239.0	-435.87	-159.65	167.35	-60.50	2.167e+04	-
3.776e+04												
48	94	1.612e+04	1.753e+04	0.01	0.0	0.0	-812.61	64.70	-160.00	64.64	1.753e+04	808.11
		808.11	-2.071e+04	0.62	0.0	119.5	-761.67	64.70	-160.00	64.64	-1586.79	
8464.44												
						239.0	-710.73	64.70	-160.00	64.64	-2.071e+04	
1.612e+04												
48	95	651.71	2.091e+04	0.03	0.0	0.0	-568.45	-124.08	161.55	-78.38	-1.770e+04	651.71
		-2.886e+04	-1.770e+04	-0.74	0.0	119.5	-517.51	-124.08	161.55	-78.38	1608.35	-
1.410e+04												
						239.0	-466.57	-124.08	161.55	-78.38	2.091e+04	-
2.886e+04												
48	96	2.502e+04	1.817e+04	-0.04	0.0	0.0	-843.31	100.27	-165.80	46.77	1.817e+04	
1301.47												
		1301.47	-2.146e+04	0.65	0.0	119.5	-792.37	100.27	-165.80	46.77	-1647.30	
1.316e+04												
						239.0	-741.43	100.27	-165.80	46.77	-2.146e+04	
2.502e+04												
48	97	174.08	2.151e+04	0.07	0.0	0.0	-537.46	-160.67	166.11	-60.12	-1.819e+04	174.08
		-3.798e+04	-1.819e+04	-0.76	0.0	119.5	-486.52	-160.67	166.11	-60.12	1657.78	-
1.890e+04												
						239.0	-435.58	-160.67	166.11	-60.12	2.151e+04	-
3.798e+04												
48	98	1.590e+04	1.767e+04	0.01	0.0	0.0	-812.32	63.68	-161.24	65.02	1.767e+04	823.84
		823.84	-2.087e+04	0.63	0.0	119.5	-761.38	63.68	-161.24	65.02	-1597.87	
8360.79												
						239.0	-710.44	63.68	-161.24	65.02	-2.087e+04	
1.590e+04												
48	99	633.47	2.172e+04	0.04	0.0	0.0	-581.55	-119.70	167.92	-89.37	-1.841e+04	633.47
		-2.774e+04	-1.841e+04	-0.76	0.0	119.5	-530.61	-119.70	167.92	-89.37	1656.84	-
1.355e+04												
						239.0	-479.67	-119.70	167.92	-89.37	2.172e+04	-
2.774e+04												
48	100	2.345e+04	1.915e+04	-0.04	0.0	0.0	-829.62	93.84	-174.66	58.52	1.915e+04	
1351.18												
		1351.18	-2.259e+04	0.68	0.0	119.5	-778.68	93.84	-174.66	58.52	-1717.94	

1.240e+04													
						239.0	-727.75	93.84	-174.66	58.52	-2.259e+04		
2.345e+04													
48	101	124.38	2.264e+04	0.08	0.0	0.0	-551.14	-154.24	174.97	-71.88	-1.918e+04	124.38	
		-3.641e+04	-1.918e+04	-0.79	0.0	119.5	-500.20	-154.24	174.97	-71.88	1728.42	-	
1.814e+04													
						239.0	-449.27	-154.24	174.97	-71.88	2.264e+04	-	
3.641e+04													
48	102	1.478e+04	1.838e+04	0.01	0.0	0.0	-799.21	59.29	-167.62	76.01	1.838e+04	842.08	
		842.08	-2.168e+04	0.65	0.0	119.5	-748.28	59.29	-167.62	76.01	-1646.36		
7808.56													
						239.0	-697.34	59.29	-167.62	76.01	-2.168e+04		
1.478e+04													
48	103	617.74	2.188e+04	0.04	0.0	0.0	-581.84	-118.67	169.17	-89.75	-1.855e+04	617.74	
		-2.751e+04	-1.855e+04	-0.77	0.0	119.5	-530.90	-118.67	169.17	-89.75	1667.92	-	
1.345e+04													
						239.0	-479.96	-118.67	169.17	-89.75	2.188e+04	-	
2.751e+04													
48	104	2.367e+04	1.902e+04	-0.04	0.0	0.0	-829.91	94.86	-173.42	58.14	1.902e+04		
1335.44													
		1335.44	-2.243e+04	0.68	0.0	119.5	-778.98	94.86	-173.42	58.14	-1706.86		
1.250e+04													
						239.0	-728.04	94.86	-173.42	58.14	-2.243e+04		
2.367e+04													
48	105	140.11	2.248e+04	0.08	0.0	0.0	-550.85	-155.26	173.72	-71.50	-1.904e+04	140.11	
		-3.663e+04	-1.904e+04	-0.79	0.0	119.5	-499.91	-155.26	173.72	-71.50	1717.34	-	
1.825e+04													
						239.0	-448.98	-155.26	173.72	-71.50	2.248e+04	-	
3.663e+04													
48	106	1.455e+04	1.852e+04	0.01	0.0	0.0	-798.92	58.27	-168.86	76.39	1.852e+04	857.81	
		857.81	-2.184e+04	0.66	0.0	119.5	-747.99	58.27	-168.86	76.39	-1657.44		
7704.91													
						239.0	-697.05	58.27	-168.86	76.39	-2.184e+04		
1.455e+04													
49	1	2984.70	196.26	5.23e-03	0.0	0.0	-479.50	-8.86	2.32	-0.90	-357.87		
2984.70													
		867.88	-357.87	-0.04	0.0	119.5	-413.28	-8.86	2.32	-0.90	-80.80		
1926.29													
						239.0	-347.06	-8.86	2.32	-0.90	196.26	867.88	
49	2	1.401e+04	470.14	0.02	0.0	0.0	-1621.28	-44.78	-3.40	8.63	470.14		
1.401e+04													
		3304.88	-343.32	-0.10	0.0	119.5	-1555.06	-44.78	-3.40	8.63	63.41		
8656.58													
						239.0	-1488.84	-44.78	-3.40	8.63	-343.32		
3304.88													
49	3	2087.89	161.15	3.83e-03	0.0	0.0	-347.30	-6.14	1.89	-0.87	-290.91		
2087.89													
		621.61	-290.91	-0.03	0.0	119.5	-296.36	-6.14	1.89	-0.87	-64.88		
1354.75													
						239.0	-245.42	-6.14	1.89	-0.87	161.15	621.61	
49	4	1.311e+04	537.09	0.01	0.0	0.0	-1489.08	-42.06	-3.83	8.66	537.09		
1.311e+04													
		3058.61	-378.43	-0.09	0.0	119.5	-1438.14	-42.06	-3.83	8.66	79.33		
8085.04													
						239.0	-1387.20	-42.06	-3.83	8.66	-378.43		
3058.61													
49	5	2205.47	155.40	3.94e-03	0.0	0.0	-359.48	-6.52	1.83	-0.77	-282.07		
2205.47													
		647.60	-282.07	-0.03	0.0	119.5	-308.54	-6.52	1.83	-0.77	-63.34		
1426.54													
						239.0	-257.60	-6.52	1.83	-0.77	155.40	647.60	
49	6	9554.52	269.93	0.01	0.0	0.0	-1120.66	-30.47	-1.98	5.58	269.93		
9554.52													
		2272.27	-204.33	-0.07	0.0	119.5	-1069.73	-30.47	-1.98	5.58	32.80		
5913.40													
						239.0	-1018.79	-30.47	-1.98	5.58	-204.33		
2272.27													
49	7	2205.47	155.40	3.94e-03	0.0	0.0	-359.48	-6.52	1.83	-0.77	-282.07		
2205.47													
		647.60	-282.07	-0.03	0.0	119.5	-308.54	-6.52	1.83	-0.77	-63.34		
1426.54													
						239.0	-257.60	-6.52	1.83	-0.77	155.40	647.60	

49	8	7349.81	104.33	8.68e-03	0.0	0.0	-892.31	-23.28	-0.84	3.68	104.33
7349.81											
		1784.87	-96.41	-0.06	0.0	119.5	-841.37	-23.28	-0.84	3.68	3.96
4567.34											
						239.0	-790.43	-23.28	-0.84	3.68	-96.41
1784.87											
49	9	2205.47	155.40	3.94e-03	0.0	0.0	-359.48	-6.52	1.83	-0.77	-282.07
2205.47											
		647.60	-282.07	-0.03	0.0	119.5	-308.54	-6.52	1.83	-0.77	-63.34
1426.54											
						239.0	-257.60	-6.52	1.83	-0.77	155.40647.60
49	10	6614.90	49.13	8.00e-03	0.0	0.0	-816.19	-20.89	-0.46	3.04	49.13
6614.90											
		1622.41	-60.44	-0.06	0.0	119.5	-765.25	-20.89	-0.46	3.04	-5.66
4118.65											
						239.0	-714.32	-20.89	-0.46	3.04	-60.44
1622.41											
49	11	6234.21	5755.49	-0.05	0.0	0.0	-525.29	-12.31	60.82	-65.53	-8778.52
6234.21											
		4179.46	-8778.52	-0.28	0.0	119.5	-474.35	-12.31	60.82	-65.53	-1511.52
5206.84											
						239.0	-423.41	-12.31	60.82	-65.53	5755.49
4179.46											
49	12	1915.57	1.526e+04	-0.09	0.0	0.0	-1502.76	107.71	-106.60	-32.74	1.526e+04	-
2.468e+04											
		-2.468e+04	-1.022e+04	0.33	0.0	119.5	-1451.82	107.71	-106.60	-32.74	2520.74	-
1.138e+04											
						239.0	-1400.88	107.71	-106.60	-32.74	-1.022e+04	
1915.57											
49	13	3.791e+04	1.010e+04	0.10	0.0	0.0	-129.62	-149.48	105.69	38.82	-1.516e+04	
3.791e+04											
		1329.24	-1.516e+04	-0.44	0.0	119.5	-78.69	-149.48	105.69	38.82	-2532.05	
1.962e+04											
						239.0	-27.75	-149.48	105.69	38.82	1.010e+04	
1329.24											
49	14	6995.60	8876.77	0.07	0.0	0.0	-1107.09	-29.47	-61.74	71.61	8876.77	
6995.60											
		-934.65	-5876.36	0.17	0.0	119.5	-1056.16	-29.47	-61.74	71.61	1500.21	
3030.47											
						239.0	-1005.22	-29.47	-61.74	71.61	-5876.36	-
934.65											
49	15	6855.34	6074.55	-0.05	0.0	0.0	-496.38	-14.70	64.26	-70.35	-9280.97	
6855.34											
		4235.07	-9280.97	-0.29	0.0	119.5	-445.44	-14.70	64.26	-70.35	-1603.21	
5545.21											
						239.0	-394.50	-14.70	64.26	-70.35	6074.55	
4235.07											
49	16	1859.96	1.576e+04	-0.09	0.0	0.0	-1531.67	110.10	-110.04	-27.92	1.576e+04	-
2.530e+04											
		-2.530e+04	-1.054e+04	0.34	0.0	119.5	-1480.73	110.10	-110.04	-27.92	2612.43	-
1.172e+04											
						239.0	-1429.79	110.10	-110.04	-27.92	-1.054e+04	
1859.96											
49	17	3.853e+04	1.042e+04	0.10	0.0	0.0	-100.71	-151.87	109.12	34.00	-1.567e+04	
3.853e+04											
		1384.86	-1.567e+04	-0.45	0.0	119.5	-49.78	-151.87	109.12	34.00	-2623.75	
1.996e+04											
						239.0	1.16	-151.87	109.12	34.00	1.042e+04	
1384.86											
49	18	6374.46	9379.22	0.07	0.0	0.0	-1136.00	-27.08	-65.17	76.43	9379.22	
6374.46											
		-990.26	-6195.42	0.18	0.0	119.5	-1085.07	-27.08	-65.17	76.43	1591.90	
2692.10											
						239.0	-1034.13	-27.08	-65.17	76.43	-6195.42	-
990.26											
49	19	7194.96	6331.01	-0.05	0.0	0.0	-143.24	-18.43	66.89	-68.64	-9655.09	
7194.96											
		3877.34	-9655.09	-0.29	0.0	119.5	-92.30	-18.43	66.89	-68.64	-1662.04	
5536.15											
						239.0	-41.36	-18.43	66.89	-68.64	6331.01	
3877.34											
49	20	1613.45	1.438e+04	-0.08	0.0	0.0	-1120.71	101.59	-100.53	-35.84	1.438e+04	-

2.372e+04												
		-2.372e+04	-9644.28	0.32	0.0	119.5	-1069.77	101.59	-100.53	-35.84	2370.21	-
1.105e+04												
						239.0	-1018.83	101.59	-100.53	-35.84	-9644.28	
1613.45												
49	21	3.695e+04	9523.40	0.10	0.0	0.0	-511.67	-143.36	99.61	41.92	-1.429e+04	
3.695e+04												
		1631.36	-1.429e+04	-0.43	0.0	119.5	-460.73	-143.36	99.61	41.92	-2381.53	
1.929e+04												
						239.0	-409.80	-143.36	99.61	41.92	9523.40	
1631.36												
49	22	6034.85	9753.34	0.06	0.0	0.0	-1489.14	-23.35	-67.81	74.72	9753.34	
6034.85												
		-632.53	-6451.88	0.18	0.0	119.5	-1438.20	-23.35	-67.81	74.72	1650.73	
2701.16												
						239.0	-1387.27	-23.35	-67.81	74.72	-6451.88	-
632.53												
49	23	7816.09	6650.07	-0.05	0.0	0.0	-114.33	-20.82	70.33	-73.46	-1.016e+04	
7816.09												
		3932.96	-1.016e+04	-0.30	0.0	119.5	-63.39	-20.82	70.33	-73.46	-1753.74	
5874.52												
						239.0	-12.45	-20.82	70.33	-73.46	6650.07	
3932.96												
49	24	1557.84	1.489e+04	-0.08	0.0	0.0	-1149.62	103.97	-103.97	-31.03	1.489e+04	-
2.434e+04												
		-2.434e+04	-9963.34	0.33	0.0	119.5	-1098.68	103.97	-103.97	-31.03	2461.91	-
1.139e+04												
						239.0	-1047.74	103.97	-103.97	-31.03	-9963.34	
1557.84												
49	25	3.757e+04	9842.47	0.10	0.0	0.0	-482.76	-145.75	103.05	37.11	-1.479e+04	
3.757e+04												
		1686.97	-1.479e+04	-0.44	0.0	119.5	-431.82	-145.75	103.05	37.11	-2473.22	
1.963e+04												
						239.0	-380.89	-145.75	103.05	37.11	9842.47	
1686.97												
49	26	5413.71	1.026e+04	0.06	0.0	0.0	-1518.05	-20.96	-71.25	79.54	1.026e+04	
5413.71												
		-688.15	-6770.94	0.19	0.0	119.5	-1467.11	-20.96	-71.25	79.54	1742.43	
2362.78												
						239.0	-1416.18	-20.96	-71.25	79.54	-6770.94	-
688.15												
49	27	5.339e+04	2.591e+04	0.05	0.0	0.0	753.58	-200.34	271.85	-67.28	-3.906e+04	
5.339e+04												
		5823.10	-3.906e+04	-1.05	0.0	119.5	804.51	-200.34	271.85	-67.28	-6573.00	
2.961e+04												
						239.0	855.45	-200.34	271.85	-67.28	2.591e+04	
5823.10												
49	28	-1723.22	4.107e+04	-0.08	0.0	0.0	-2504.66	199.71	-286.23	42.05	4.107e+04	-
4.966e+04												
		-4.966e+04	-2.734e+04	0.98	0.0	119.5	-2453.72	199.71	-286.23	42.05	6867.85	-
2.569e+04												
						239.0	-2402.78	199.71	-286.23	42.05	-2.734e+04	-
1723.22												
49	29	6.289e+04	2.722e+04	0.09	0.0	0.0	872.28	-241.49	285.31	-35.97	-4.097e+04	
6.289e+04												
		4968.03	-4.097e+04	-1.09	0.0	119.5	923.21	-241.49	285.31	-35.97	-6879.16	
3.393e+04												
						239.0	974.15	-241.49	285.31	-35.97	2.722e+04	
4968.03												
49	30	-2578.29	3.916e+04	-0.03	0.0	0.0	-2385.96	158.56	-272.77	73.36	3.916e+04	-
4.016e+04												
		-4.016e+04	-2.603e+04	0.94	0.0	119.5	-2335.02	158.56	-272.77	73.36	6561.69	-
2.137e+04												
						239.0	-2284.08	158.56	-272.77	73.36	-2.603e+04	-
2578.29												
49	31	5.368e+04	2.609e+04	0.05	0.0	0.0	868.19	-202.17	273.67	-68.21	-3.932e+04	
5.368e+04												
		5732.46	-3.932e+04	-1.05	0.0	119.5	919.13	-202.17	273.67	-68.21	-6618.16	
2.970e+04												
						239.0	970.07	-202.17	273.67	-68.21	2.609e+04	
5732.46												
49	32	-1813.86	4.081e+04	-0.08	0.0	0.0	-2390.04	197.88	-284.41	41.12	4.081e+04	-

4.937e+04												
		-4.937e+04	-2.716e+04	0.98	0.0	119.5	-2339.10	197.88	-284.41	41.12	6822.70	-
2.559e+04												
						239.0	-2288.17	197.88	-284.41	41.12	-2.716e+04	-
1813.86												
49	33	6.260e+04	2.704e+04	0.09	0.0	0.0	757.66	-239.65	283.49	-35.04	-4.071e+04	
6.260e+04												
		5058.67	-4.071e+04	-1.09	0.0	119.5	808.60	-239.65	283.49	-35.04	-6834.01	
3.383e+04												
						239.0	859.54	-239.65	283.49	-35.04	2.704e+04	
5058.67												
49	34	-2487.65	3.942e+04	-0.03	0.0	0.0	-2500.57	160.40	-274.59	74.29	3.942e+04	-
4.045e+04												
		-4.045e+04	-2.621e+04	0.94	0.0	119.5	-2449.63	160.40	-274.59	74.29	6606.85	-
2.147e+04												
						239.0	-2398.70	160.40	-274.59	74.29	-2.621e+04	-
2487.65												
49	35	5.546e+04	2.698e+04	0.05	0.0	0.0	849.94	-208.30	283.31	-83.33	-4.073e+04	
5.546e+04												
		6008.47	-4.073e+04	-1.09	0.0	119.5	900.88	-208.30	283.31	-83.33	-6878.65	
3.073e+04												
						239.0	951.82	-208.30	283.31	-83.33	2.698e+04	
6008.47												
49	36	-1908.59	4.275e+04	-0.08	0.0	0.0	-2601.02	207.67	-297.69	58.11	4.275e+04	-
5.173e+04												
		-5.173e+04	-2.840e+04	1.02	0.0	119.5	-2550.09	207.67	-297.69	58.11	7173.50	-
2.682e+04												
						239.0	-2499.15	207.67	-297.69	58.11	-2.840e+04	-
1908.59												
49	37	6.496e+04	2.828e+04	0.09	0.0	0.0	968.64	-249.45	296.77	-52.03	-4.265e+04	
6.496e+04												
		5153.40	-4.265e+04	-1.13	0.0	119.5	1019.58	-249.45	296.77	-52.03	-7184.81	
3.506e+04												
						239.0	1070.52	-249.45	296.77	-52.03	2.828e+04	
5153.40												
49	38	-2763.66	4.083e+04	-0.03	0.0	0.0	-2482.32	166.52	-284.23	89.41	4.083e+04	-
4.223e+04												
		-4.223e+04	-2.710e+04	0.97	0.0	119.5	-2431.39	166.52	-284.23	89.41	6867.34	-
2.250e+04												
						239.0	-2380.45	166.52	-284.23	89.41	-2.710e+04	-
2763.66												
49	39	5.575e+04	2.715e+04	0.05	0.0	0.0	964.56	-210.14	285.13	-84.26	-4.100e+04	
5.575e+04												
		5917.84	-4.100e+04	-1.09	0.0	119.5	1015.50	-210.14	285.13	-84.26	-6923.81	
3.083e+04												
						239.0	1066.43	-210.14	285.13	-84.26	2.715e+04	
5917.84												
49	40	-1999.23	4.248e+04	-0.08	0.0	0.0	-2486.41	205.84	-295.86	57.17	4.248e+04	-
5.144e+04												
		-5.144e+04	-2.823e+04	1.02	0.0	119.5	-2435.47	205.84	-295.86	57.17	7128.34	-
2.672e+04												
						239.0	-2384.53	205.84	-295.86	57.17	-2.823e+04	-
1999.23												
49	41	6.467e+04	2.811e+04	0.09	0.0	0.0	854.03	-247.62	294.95	-51.09	-4.239e+04	
6.467e+04												
		5244.04	-4.239e+04	-1.13	0.0	119.5	904.97	-247.62	294.95	-51.09	-7139.65	
3.496e+04												
						239.0	955.90	-247.62	294.95	-51.09	2.811e+04	
5244.04												
49	42	-2673.02	4.110e+04	-0.03	0.0	0.0	-2596.94	168.36	-286.05	90.34	4.110e+04	-
4.252e+04												
		-4.252e+04	-2.727e+04	0.98	0.0	119.5	-2546.00	168.36	-286.05	90.34	6912.50	-
2.259e+04												
						239.0	-2495.06	168.36	-286.05	90.34	-2.727e+04	-
2673.02												
49	43	6401.64	4560.76	-0.04	0.0	0.0	-584.22	-14.62	48.21	-51.23	-6959.45	
6401.64												
		3486.36	-6959.45	-0.24	0.0	119.5	-533.29	-14.62	48.21	-51.23	-1199.35	
4944.00												
						239.0	-482.35	-14.62	48.21	-51.23	4560.76	
3486.36												
49	44	1693.87	1.209e+04	-0.07	0.0	0.0	-1358.90	80.50	-84.48	-25.24	1.209e+04	-

1.810e+04												
		-1.810e+04	-8098.28	0.25	0.0	119.5	-1307.96	80.50	-84.48	-25.24	1997.33	-
8202.87												
						239.0	-1257.02	80.50	-84.48	-25.24	-8098.28	
1693.87												
49	45	3.133e+04	7977.40	0.08	0.0	0.0	-273.48	-122.27	83.56	31.32	-1.199e+04	
3.133e+04												
		1550.94	-1.199e+04	-0.36	0.0	119.5	-222.55	-122.27	83.56	31.32	-2008.64	
1.644e+04												
						239.0	-171.61	-122.27	83.56	31.32	7977.40	
1550.94												
49	46	6828.17	7057.70	0.05	0.0	0.0	-1048.16	-27.16	-49.12	57.31	7057.70	
6828.17												
		-241.55	-4681.63	0.12	0.0	119.5	-997.22	-27.16	-49.12	57.31	1188.03	
3293.31												
						239.0	-946.28	-27.16	-49.12	57.31	-4681.63	-
241.55												
49	47	6893.94	4813.71	-0.04	0.0	0.0	-561.31	-16.51	50.93	-55.04	-7357.78	
6893.94												
		3529.32	-7357.78	-0.24	0.0	119.5	-510.37	-16.51	50.93	-55.04	-1272.03	
5211.63												
						239.0	-459.43	-16.51	50.93	-55.04	4813.71	
3529.32												
49	48	1650.91	1.249e+04	-0.07	0.0	0.0	-1381.81	82.39	-87.20	-21.43	1.249e+04	-
1.859e+04												
		-1.859e+04	-8351.23	0.26	0.0	119.5	-1330.88	82.39	-87.20	-21.43	2070.01	-
8470.50												
						239.0	-1279.94	82.39	-87.20	-21.43	-8351.23	
1650.91												
49	49	3.182e+04	8230.35	0.08	0.0	0.0	-250.57	-124.17	86.28	27.51	-1.239e+04	
3.182e+04												
		1593.90	-1.239e+04	-0.37	0.0	119.5	-199.63	-124.17	86.28	27.51	-2081.33	
1.671e+04												
						239.0	-148.69	-124.17	86.28	27.51	8230.35	
1593.90												
49	50	6335.87	7456.03	0.05	0.0	0.0	-1071.07	-25.27	-51.85	61.12	7456.03	
6335.87												
		-284.51	-4934.58	0.13	0.0	119.5	-1020.14	-25.27	-51.85	61.12	1260.72	
3025.68												
						239.0	-969.20	-25.27	-51.85	61.12	-4934.58	-
284.51												
49	51	7185.21	5019.76	-0.04	0.0	0.0	-284.57	-19.52	53.06	-53.68	-7659.74	
7185.21												
		3273.95	-7659.74	-0.24	0.0	119.5	-233.63	-19.52	53.06	-53.68	-1319.99	
5229.58												
						239.0	-182.70	-19.52	53.06	-53.68	5019.76	
3273.95												
49	52	1481.47	1.139e+04	-0.07	0.0	0.0	-1059.24	75.59	-79.63	-27.70	1.139e+04	-
1.732e+04												
		-1.732e+04	-7639.28	0.24	0.0	119.5	-1008.31	75.59	-79.63	-27.70	1876.68	-
7917.29												
						239.0	-957.37	75.59	-79.63	-27.70	-7639.28	
1481.47												
49	53	3.055e+04	7518.41	0.08	0.0	0.0	-573.14	-117.37	78.71	33.78	-1.129e+04	
3.055e+04												
		1763.34	-1.129e+04	-0.35	0.0	119.5	-522.20	-117.37	78.71	33.78	-1887.99	
1.615e+04												
						239.0	-471.26	-117.37	78.71	33.78	7518.41	
1763.34												
49	54	6044.59	7757.99	0.05	0.0	0.0	-1347.81	-22.26	-53.97	59.76	7757.99	
6044.59												
		-29.14	-5140.63	0.13	0.0	119.5	-1296.87	-22.26	-53.97	59.76	1308.68	
3007.73												
						239.0	-1245.93	-22.26	-53.97	59.76	-5140.63	-29.14
49	55	7677.51	5272.71	-0.04	0.0	0.0	-261.65	-21.42	55.78	-57.50	-8058.07	
7677.51												
		3316.91	-8058.07	-0.25	0.0	119.5	-210.72	-21.42	55.78	-57.50	-1392.68	
5497.21												
						239.0	-159.78	-21.42	55.78	-57.50	5272.71	
3316.91												
49	56	1438.50	1.179e+04	-0.07	0.0	0.0	-1082.16	77.48	-82.35	-23.88	1.179e+04	-
1.781e+04												

		-1.781e+04	-7892.23	0.25	0.0	119.5	-1031.22	77.48	-82.35	-23.88	1949.37	-8184.92
						239.0	-980.29	77.48	-82.35	-23.88	-7892.23	1438.50
49	57	3.104e+04	7771.36	0.08	0.0	0.0	-550.22	-119.26	81.43	29.96	-1.169e+04	3.104e+04
		1806.31	-1.169e+04	-0.36	0.0	119.5	-499.28	-119.26	81.43	29.96	-1960.68	1.642e+04
						239.0	-448.34	-119.26	81.43	29.96	7771.36	1806.31
49	58	5552.30	8156.32	0.05	0.0	0.0	-1370.73	-20.36	-56.70	63.58	8156.32	5552.30
		-72.10	-5393.58	0.14	0.0	119.5	-1319.79	-20.36	-56.70	63.58	1381.37	2740.10
						239.0	-1268.85	-20.36	-56.70	63.58	-5393.58	-72.10
49	59	4.371e+04	2.053e+04	0.04	0.0	0.0	428.32	-163.26	215.38	-52.65	-3.095e+04	4.371e+04
		4900.19	-3.095e+04	-0.84	0.0	119.5	479.26	-163.26	215.38	-52.65	-5212.05	2.431e+04
						239.0	530.20	-163.26	215.38	-52.65	2.053e+04	4900.19
49	60	-1074.75	3.256e+04	-0.06	0.0	0.0	-2153.92	153.78	-226.90	33.96	3.256e+04	-3.796e+04
		-3.796e+04	-2.167e+04	0.77	0.0	119.5	-2102.98	153.78	-226.90	33.96	5443.53	-1.952e+04
						239.0	-2052.05	153.78	-226.90	33.96	-2.167e+04	-1074.75
49	61	5.119e+04	2.155e+04	0.07	0.0	0.0	521.54	-195.56	225.98	-27.88	-3.246e+04	5.119e+04
		4319.56	-3.246e+04	-0.88	0.0	119.5	572.48	-195.56	225.98	-27.88	-5454.84	2.775e+04
						239.0	623.42	-195.56	225.98	-27.88	2.155e+04	4319.56
49	62	-1655.38	3.105e+04	-0.02	0.0	0.0	-2060.70	121.48	-216.29	58.73	3.105e+04	-3.048e+04
		-3.048e+04	-2.065e+04	0.73	0.0	119.5	-2009.76	121.48	-216.29	58.73	5200.74	-1.607e+04
						239.0	-1958.83	121.48	-216.29	58.73	-2.065e+04	-1655.38
49	63	4.395e+04	2.066e+04	0.04	0.0	0.0	518.22	-164.73	216.83	-53.38	-3.116e+04	4.395e+04
		4836.47	-3.116e+04	-0.84	0.0	119.5	569.15	-164.73	216.83	-53.38	-5248.24	2.439e+04
						239.0	620.09	-164.73	216.83	-53.38	2.066e+04	4836.47
49	64	-1138.47	3.235e+04	-0.06	0.0	0.0	-2064.03	152.31	-225.44	33.22	3.235e+04	-3.772e+04
		-3.772e+04	-2.153e+04	0.76	0.0	119.5	-2013.09	152.31	-225.44	33.22	5407.33	-1.943e+04
						239.0	-1962.15	152.31	-225.44	33.22	-2.153e+04	-1138.47
49	65	5.095e+04	2.141e+04	0.07	0.0	0.0	431.65	-194.09	224.53	-27.14	-3.225e+04	5.095e+04
		4383.29	-3.225e+04	-0.88	0.0	119.5	482.58	-194.09	224.53	-27.14	-5418.64	2.767e+04
						239.0	533.52	-194.09	224.53	-27.14	2.141e+04	4383.29
49	66	-1591.66	3.126e+04	-0.02	0.0	0.0	-2150.60	122.95	-217.75	59.46	3.126e+04	-3.072e+04
		-3.072e+04	-2.078e+04	0.73	0.0	119.5	-2099.66	122.95	-217.75	59.46	5236.93	-1.615e+04
						239.0	-2048.72	122.95	-217.75	59.46	-2.078e+04	-1591.66
49	67	4.535e+04	2.137e+04	0.04	0.0	0.0	504.71	-169.57	224.46	-65.37	-3.228e+04	4.535e+04
		5043.40	-3.228e+04	-0.87	0.0	119.5	555.65	-169.57	224.46	-65.37	-5454.34	2.520e+04
						239.0	606.58	-169.57	224.46	-65.37	2.137e+04	5043.40
49	68	-1217.97	3.389e+04	-0.06	0.0	0.0	-2230.31	160.09	-235.98	46.69	3.389e+04	-3.960e+04
		-3.960e+04	-2.251e+04	0.80	0.0	119.5	-2179.37	160.09	-235.98	46.69	5685.82	-

2.041e+04													
						239.0	-2128.44	160.09	-235.98	46.69	-2.251e+04		-
1217.97													
49	69	5.283e+04	2.239e+04	0.07	0.0	0.0	597.93	-201.87	235.06	-40.61	-3.379e+04		
5.283e+04													
		4462.78	-3.379e+04	-0.91	0.0	119.5	648.87	-201.87	235.06	-40.61	-5697.13		
2.865e+04													
						239.0	699.81	-201.87	235.06	-40.61	2.239e+04		
4462.78													
49	70	-1798.59	3.238e+04	-0.02	0.0	0.0	-2137.09	127.79	-225.38	71.45	3.238e+04		-
3.212e+04													
		-3.212e+04	-2.149e+04	0.76	0.0	119.5	-2086.15	127.79	-225.38	71.45	5443.03		-
1.696e+04													
						239.0	-2035.22	127.79	-225.38	71.45	-2.149e+04		-
1798.59													
49	71	4.559e+04	2.151e+04	0.04	0.0	0.0	594.61	-171.04	225.91	-66.11	-3.249e+04		
4.559e+04													
		4979.68	-3.249e+04	-0.87	0.0	119.5	645.54	-171.04	225.91	-66.11	-5490.54		
2.528e+04													
						239.0	696.48	-171.04	225.91	-66.11	2.151e+04		
4979.68													
49	72	-1281.69	3.368e+04	-0.06	0.0	0.0	-2140.42	158.62	-234.53	45.95	3.368e+04		-
3.937e+04													
		-3.937e+04	-2.238e+04	0.80	0.0	119.5	-2089.48	158.62	-234.53	45.95	5649.63		-
2.032e+04													
						239.0	-2038.54	158.62	-234.53	45.95	-2.238e+04		-
1281.69													
49	73	5.260e+04	2.226e+04	0.07	0.0	0.0	508.04	-200.39	233.61	-39.87	-3.358e+04		
5.260e+04													
		4526.50	-3.358e+04	-0.91	0.0	119.5	558.97	-200.39	233.61	-39.87	-5660.94		
2.856e+04													
						239.0	609.91	-200.39	233.61	-39.87	2.226e+04		
4526.50													
49	74	-1734.87	3.259e+04	-0.02	0.0	0.0	-2226.99	129.26	-226.83	72.19	3.259e+04		-
3.236e+04													
		-3.236e+04	-2.163e+04	0.76	0.0	119.5	-2176.05	129.26	-226.83	72.19	5479.23		-
1.705e+04													
						239.0	-2125.11	129.26	-226.83	72.19	-2.163e+04		-
1734.87													
49	75	6413.72	3756.83	-0.03	0.0	0.0	-624.57	-15.59	39.74	-41.83	-5740.49		
6413.72													
		3168.45	-5740.49	-0.20	0.0	119.5	-573.63	-15.59	39.74	-41.83	-991.83		
4791.08													
						239.0	-522.69	-15.59	39.74	-41.83	3756.83		
3168.45													
49	76	1687.04	1.000e+04	-0.05	0.0	0.0	-1264.77	63.02	-69.91	-20.35	1.000e+04		-
1.383e+04													
		-1.383e+04	-6704.79	0.19	0.0	119.5	-1213.83	63.02	-69.91	-20.35	1649.91		-
6073.87													
						239.0	-1162.89	63.02	-69.91	-20.35	-6704.79		
1687.04													
49	77	2.706e+04	6583.92	0.07	0.0	0.0	-367.61	-104.79	68.99	26.43	-9906.37		
2.706e+04													
		1557.77	-9906.37	-0.31	0.0	119.5	-316.67	-104.79	68.99	26.43	-1661.22		
1.431e+04													
						239.0	-265.74	-104.79	68.99	26.43	6583.92		
1557.77													
49	78	6816.08	5838.75	0.05	0.0	0.0	-1007.81	-26.19	-40.66	47.91	5838.75		
6816.08													
		76.36	-3877.71	0.09	0.0	119.5	-956.88	-26.19	-40.66	47.91	980.52		
3446.22													
						239.0	-905.94	-26.19	-40.66	47.91	-3877.71	76.36	
49	79	6820.56	3965.87	-0.03	0.0	0.0	-605.63	-17.15	41.99	-44.98	-6069.67		
6820.56													
		3203.98	-6069.67	-0.21	0.0	119.5	-554.69	-17.15	41.99	-44.98	-1051.90		
5012.27													
						239.0	-503.75	-17.15	41.99	-44.98	3965.87		
3203.98													
49	80	1651.51	1.033e+04	-0.05	0.0	0.0	-1283.71	64.58	-72.16	-17.20	1.033e+04		-
1.424e+04													
		-1.424e+04	-6913.83	0.20	0.0	119.5	-1232.77	64.58	-72.16	-17.20	1709.98		-
6295.05													

						239.0	-1181.83	64.58	-72.16	-17.20	-6913.83		
1651.51													
49	81	2.747e+04	6792.96	0.07	0.0	0.0	-348.67	-106.36	71.24	23.28	-1.024e+04		
2.747e+04													
		1593.30	-1.024e+04	-0.31	0.0	119.5	-297.74	-106.36	71.24	23.28	-1721.29		
1.453e+04													
						239.0	-246.80	-106.36	71.24	23.28	6792.96		
1593.30													
49	82	6409.24	6167.92	0.05	0.0	0.0	-1026.75	-24.63	-42.91	51.06	6167.92		
6409.24													
		40.83	-4086.74	0.10	0.0	119.5	-975.81	-24.63	-42.91	51.06	1040.59		
3225.04													
						239.0	-924.88	-24.63	-42.91	51.06	-4086.74	40.83	
49	83	7063.93	4135.64	-0.03	0.0	0.0	-376.77	-19.66	43.74	-43.86	-6318.46		
7063.93													
		2991.44	-6318.46	-0.21	0.0	119.5	-325.83	-19.66	43.74	-43.86	-1091.41		
5027.69													
						239.0	-274.89	-19.66	43.74	-43.86	4135.64		
2991.44													
49	84	1510.04	9426.65	-0.05	0.0	0.0	-1016.97	58.95	-65.91	-22.38	9426.65	-	
1.318e+04													
		-1.318e+04	-6325.99	0.19	0.0	119.5	-966.03	58.95	-65.91	-22.38	1550.33	-	
5837.26													
						239.0	-915.09	58.95	-65.91	-22.38	-6325.99		
1510.04													
49	85	2.641e+04	6205.12	0.07	0.0	0.0	-615.41	-100.72	64.99	28.46	-9328.40		
2.641e+04													
		1734.77	-9328.40	-0.30	0.0	119.5	-564.48	-100.72	64.99	28.46	-1561.64		
1.407e+04													
						239.0	-513.54	-100.72	64.99	28.46	6205.12		
1734.77													
49	86	6165.87	6416.71	0.04	0.0	0.0	-1255.61	-22.12	-44.66	49.94	6416.71		
6165.87													
		253.37	-4256.51	0.10	0.0	119.5	-1204.68	-22.12	-44.66	49.94	1080.10		
3209.62													
						239.0	-1153.74	-22.12	-44.66	49.94	-4256.51	253.37	
49	87	7470.77	4344.68	-0.03	0.0	0.0	-357.83	-21.22	46.00	-47.01	-6647.63		
7470.77													
		3026.97	-6647.63	-0.22	0.0	119.5	-306.89	-21.22	46.00	-47.01	-1151.48		
5248.87													
						239.0	-255.95	-21.22	46.00	-47.01	4344.68		
3026.97													
49	88	1474.50	9755.83	-0.05	0.0	0.0	-1035.91	60.51	-68.16	-19.23	9755.83	-	
1.359e+04													
		-1.359e+04	-6535.02	0.20	0.0	119.5	-984.97	60.51	-68.16	-19.23	1610.40	-	
6058.45													
						239.0	-934.03	60.51	-68.16	-19.23	-6535.02		
1474.50													
49	89	2.682e+04	6414.15	0.07	0.0	0.0	-596.47	-102.29	67.24	25.31	-9657.58		
2.682e+04													
		1770.31	-9657.58	-0.31	0.0	119.5	-545.54	-102.29	67.24	25.31	-1621.71		
1.430e+04													
						239.0	-494.60	-102.29	67.24	25.31	6414.15		
1770.31													
49	90	5759.03	6745.88	0.04	0.0	0.0	-1274.55	-20.56	-46.91	53.09	6745.88		
5759.03													
		217.84	-4465.55	0.11	0.0	119.5	-1223.61	-20.56	-46.91	53.09	1140.17		
2988.43													
						239.0	-1172.68	-20.56	-46.91	53.09	-4465.55	217.84	
49	91	3.726e+04	1.695e+04	0.03	0.0	0.0	212.27	-138.51	177.90	-42.99	-2.557e+04		
3.726e+04													
		4333.01	-2.557e+04	-0.70	0.0	119.5	263.20	-138.51	177.90	-42.99	-4308.15		
2.080e+04													
						239.0	314.14	-138.51	177.90	-42.99	1.695e+04		
4333.01													
49	92	-605.00	2.692e+04	-0.05	0.0	0.0	-1921.73	123.50	-187.60	28.59	2.692e+04	-	
3.023e+04													
		-3.023e+04	-1.792e+04	0.62	0.0	119.5	-1870.80	123.50	-187.60	28.59	4497.66	-	
1.542e+04													
						239.0	-1819.86	123.50	-187.60	28.59	-1.792e+04	-	
605.00													
49	93	4.346e+04	1.780e+04	0.06	0.0	0.0	289.35	-165.28	186.68	-22.51	-2.682e+04		

4.346e+04												
		3849.81	-2.682e+04	-0.73	0.0	119.5	340.29	-165.28	186.68	-22.51	-4508.97	
2.365e+04												
						239.0	391.23	-165.28	186.68	-22.51	1.780e+04	
3849.81												
49	94	-1088.20	2.567e+04	-0.02	0.0	0.0	-1844.65	96.74	-178.82	49.07	2.567e+04	-
2.403e+04												
		-2.403e+04	-1.707e+04	0.59	0.0	119.5	-1793.71	96.74	-178.82	49.07	4296.84	-
1.256e+04												
						239.0	-1742.77	96.74	-178.82	49.07	-1.707e+04	-
1088.20												
49	95	3.746e+04	1.707e+04	0.03	0.0	0.0	286.61	-139.74	179.11	-43.60	-2.574e+04	
3.746e+04												
		4279.91	-2.574e+04	-0.71	0.0	119.5	337.54	-139.74	179.11	-43.60	-4338.02	
2.087e+04												
						239.0	388.48	-139.74	179.11	-43.60	1.707e+04	
4279.91												
49	96	-658.10	2.674e+04	-0.05	0.0	0.0	-1847.39	122.28	-186.40	27.98	2.674e+04	-
3.004e+04												
		-3.004e+04	-1.781e+04	0.62	0.0	119.5	-1796.46	122.28	-186.40	27.98	4467.78	-
1.535e+04												
						239.0	-1745.52	122.28	-186.40	27.98	-1.781e+04	-
658.10												
49	97	4.326e+04	1.769e+04	0.06	0.0	0.0	215.01	-164.06	185.48	-21.90	-2.664e+04	
4.326e+04												
		3902.91	-2.664e+04	-0.73	0.0	119.5	265.95	-164.06	185.48	-21.90	-4479.09	
2.358e+04												
						239.0	316.89	-164.06	185.48	-21.90	1.769e+04	
3902.91												
49	98	-1035.10	2.584e+04	-0.02	0.0	0.0	-1918.99	97.96	-180.02	49.68	2.584e+04	-
2.423e+04												
		-2.423e+04	-1.719e+04	0.60	0.0	119.5	-1868.05	97.96	-180.02	49.68	4326.71	-
1.263e+04												
						239.0	-1817.11	97.96	-180.02	49.68	-1.719e+04	-
1035.10												
49	99	3.862e+04	1.765e+04	0.03	0.0	0.0	275.39	-143.73	185.41	-53.51	-2.667e+04	
3.862e+04												
		4451.46	-2.667e+04	-0.73	0.0	119.5	326.33	-143.73	185.41	-53.51	-4508.38	
2.154e+04												
						239.0	377.27	-143.73	185.41	-53.51	1.765e+04	
4451.46												
49	100	-723.45	2.801e+04	-0.05	0.0	0.0	-1984.86	128.71	-195.10	39.11	2.801e+04	-
3.159e+04												
		-3.159e+04	-1.862e+04	0.65	0.0	119.5	-1933.92	128.71	-195.10	39.11	4697.89	-
1.615e+04												
						239.0	-1882.99	128.71	-195.10	39.11	-1.862e+04	-
723.45												
49	101	4.482e+04	1.850e+04	0.06	0.0	0.0	352.48	-170.49	194.19	-33.03	-2.791e+04	
4.482e+04												
		3968.26	-2.791e+04	-0.76	0.0	119.5	403.42	-170.49	194.19	-33.03	-4709.20	
2.439e+04												
						239.0	454.36	-170.49	194.19	-33.03	1.850e+04	
3968.26												
49	102	-1206.65	2.676e+04	-0.02	0.0	0.0	-1907.77	101.95	-186.33	59.59	2.676e+04	-
2.539e+04												
		-2.539e+04	-1.777e+04	0.62	0.0	119.5	-1856.84	101.95	-186.33	59.59	4497.07	-
1.330e+04												
						239.0	-1805.90	101.95	-186.33	59.59	-1.777e+04	-
1206.65												
49	103	3.882e+04	1.776e+04	0.03	0.0	0.0	349.74	-144.95	186.61	-54.12	-2.684e+04	
3.882e+04												
		4398.36	-2.684e+04	-0.73	0.0	119.5	400.67	-144.95	186.61	-54.12	-4538.26	
2.161e+04												
						239.0	451.61	-144.95	186.61	-54.12	1.776e+04	
4398.36												
49	104	-776.55	2.784e+04	-0.05	0.0	0.0	-1910.52	127.49	-193.90	38.50	2.784e+04	-
3.139e+04												
		-3.139e+04	-1.850e+04	0.65	0.0	119.5	-1859.58	127.49	-193.90	38.50	4668.01	-
1.608e+04												
						239.0	-1808.65	127.49	-193.90	38.50	-1.850e+04	-
776.55												
49	105	4.462e+04	1.838e+04	0.06	0.0	0.0	278.14	-169.27	192.99	-32.42	-2.774e+04	

4.462e+04												
		4021.36	-2.774e+04	-0.76	0.0	119.5	329.08	-169.27	192.99	-32.42	-4679.33	
2.432e+04												
						239.0	380.02	-169.27	192.99	-32.42	1.838e+04	
4021.36												
49	106	-1153.55	2.694e+04	-0.02	0.0	0.0	-1982.11	103.17	-187.53	60.20	2.694e+04	-
2.559e+04												
		-2.559e+04	-1.788e+04	0.62	0.0	119.5	-1931.18	103.17	-187.53	60.20	4526.94	-
1.337e+04												
						239.0	-1880.24	103.17	-187.53	60.20	-1.788e+04	-
1153.55												
50	1	2910.93	259.02	4.42e-03	0.0	0.0	-501.64	-9.85	2.54	-0.90	-347.68	
2910.93												
		556.54	-347.68	-0.04	0.0	119.5	-435.42	-9.85	2.54	-0.90	-44.33	
1733.74												
						239.0	-369.20	-9.85	2.54	-0.90	259.02	556.54
50	2	1.739e+04	552.72	0.02	0.0	0.0	-1550.82	-67.11	-3.61	8.63	552.72	
1.739e+04												
		1346.46	-309.73	-0.10	0.0	119.5	-1484.61	-67.11	-3.61	8.63	121.50	
9365.89												
						239.0	-1418.39	-67.11	-3.61	8.63	-309.73	
1346.46												
50	3	1966.02	209.98	3.02e-03	0.0	0.0	-366.07	-6.50	2.07	-0.87	-284.44	
1966.02												
		413.20	-284.44	-0.03	0.0	119.5	-315.14	-6.50	2.07	-0.87	-37.23	
1189.61												
						239.0	-264.20	-6.50	2.07	-0.87	209.98	413.20
50	4	1.644e+04	615.96	0.02	0.0	0.0	-1415.26	-63.75	-4.08	8.66	615.96	
1.644e+04												
		1203.12	-358.77	-0.09	0.0	119.5	-1364.32	-63.75	-4.08	8.66	128.60	
8821.77												
						239.0	-1313.39	-63.75	-4.08	8.66	-358.77	
1203.12												
50	5	2120.41	203.91	3.23e-03	0.0	0.0	-377.26	-7.11	2.00	-0.77	-274.84	
2120.41												
		421.63	-274.84	-0.03	0.0	119.5	-326.33	-7.11	2.00	-0.77	-35.46	
1271.02												
						239.0	-275.39	-7.11	2.00	-0.77	203.91	421.63
50	6	1.177e+04	325.43	0.02	0.0	0.0	-1076.72	-45.28	-2.09	5.58	325.43	
1.177e+04												
		948.24	-175.25	-0.07	0.0	119.5	-1025.79	-45.28	-2.09	5.58	75.09	
6359.12												
						239.0	-974.85	-45.28	-2.09	5.58	-175.25	948.24
50	7	2120.41	203.91	3.23e-03	0.0	0.0	-377.26	-7.11	2.00	-0.77	-274.84	
2120.41												
		421.63	-274.84	-0.03	0.0	119.5	-326.33	-7.11	2.00	-0.77	-35.46	
1271.02												
						239.0	-275.39	-7.11	2.00	-0.77	203.91	421.63
50	8	8875.13	145.35	0.01	0.0	0.0	-866.89	-33.83	-0.87	3.68	145.35	
8875.13												
		790.26	-61.50	-0.06	0.0	119.5	-815.95	-33.83	-0.87	3.68	41.92	
4832.69												
						239.0	-765.01	-33.83	-0.87	3.68	-61.50	790.26
50	9	2120.41	203.91	3.23e-03	0.0	0.0	-377.26	-7.11	2.00	-0.77	-274.84	
2120.41												
		421.63	-274.84	-0.03	0.0	119.5	-326.33	-7.11	2.00	-0.77	-35.46	
1271.02												
						239.0	-275.39	-7.11	2.00	-0.77	203.91	421.63
50	10	7910.17	85.33	0.01	0.0	0.0	-796.94	-30.01	-0.46	3.04	85.33	
7910.17												
		737.60	-23.59	-0.06	0.0	119.5	-746.00	-30.01	-0.46	3.04	30.87	
4323.88												
						239.0	-695.07	-30.01	-0.46	3.04	-23.59	737.60
50	11	1965.69	5770.11	-0.09	0.0	0.0	-924.51	26.15	60.52	-65.55	-8692.50	-
4435.73												
		-4435.73	-8692.50	-0.28	0.0	119.5	-873.58	26.15	60.52	-65.55	-1461.19	-
1235.02												
						239.0	-822.64	26.15	60.52	-65.55	5770.11	
1965.69												
50	12	2274.96	1.519e+04	-0.11	0.0	0.0	-412.07	129.76	-105.98	-32.74	1.519e+04	-
2.907e+04												
		-2.907e+04	-1.014e+04	0.33	0.0	119.5	-361.14	129.76	-105.98	-32.74	2522.46	-

1.340e+04												
						239.0	-310.20	129.76	-105.98	-32.74	-1.014e+04	
2274.96												
50	13	4.489e+04	1.010e+04	0.13	0.0	0.0	-1181.81	-189.79	105.07	38.82	-1.502e+04	
4.489e+04												
		-799.77	-1.502e+04	-0.44	0.0	119.5	-1130.87	-189.79	105.07	38.82	-2460.72	
2.205e+04												
						239.0	-1079.93	-189.79	105.07	38.82	1.010e+04	-
799.77												
50	14	2.026e+04	8863.15	0.11	0.0	0.0	-669.37	-86.17	-61.43	71.63	8863.15	
2.026e+04												
		-490.50	-5817.29	0.17	0.0	119.5	-618.43	-86.17	-61.43	71.63	1522.93	
9882.79												
						239.0	-567.49	-86.17	-61.43	71.63	-5817.29	-
490.50												
50	15	1945.52	6087.56	-0.09	0.0	0.0	-944.98	28.61	63.93	-70.37	-9189.38	-
5001.63												
		-5001.63	-9189.38	-0.29	0.0	119.5	-894.04	28.61	63.93	-70.37	-1550.91	-
1528.06												
						239.0	-843.10	28.61	63.93	-70.37	6087.56	
1945.52												
50	16	2295.13	1.569e+04	-0.11	0.0	0.0	-391.61	127.30	-109.39	-27.92	1.569e+04	-
2.851e+04												
		-2.851e+04	-1.046e+04	0.34	0.0	119.5	-340.67	127.30	-109.39	-27.92	2612.17	-
1.311e+04												
						239.0	-289.74	127.30	-109.39	-27.92	-1.046e+04	
2295.13												
50	17	4.433e+04	1.041e+04	0.13	0.0	0.0	-1202.27	-187.32	108.48	34.00	-1.551e+04	
4.433e+04												
		-819.94	-1.551e+04	-0.45	0.0	119.5	-1151.33	-187.32	108.48	34.00	-2550.43	
2.175e+04												
						239.0	-1100.39	-187.32	108.48	34.00	1.041e+04	-
819.94												
50	18	2.082e+04	9360.03	0.11	0.0	0.0	-648.90	-88.63	-64.84	76.45	9360.03	
2.082e+04												
		-470.33	-6134.73	0.18	0.0	119.5	-597.97	-88.63	-64.84	76.45	1612.65	
1.018e+04												
						239.0	-547.03	-88.63	-64.84	76.45	-6134.73	-
470.33												
50	19	1893.09	6343.84	-0.09	0.0	0.0	-932.97	30.22	66.58	-68.66	-9566.96	-
5511.58												
		-5511.58	-9566.96	-0.29	0.0	119.5	-882.03	30.22	66.58	-68.66	-1611.56	-
1809.24												
						239.0	-831.10	30.22	66.58	-68.66	6343.84	
1893.09												
50	20	2202.36	1.431e+04	-0.12	0.0	0.0	-420.53	133.83	-99.92	-35.85	1.431e+04	-
3.015e+04												
		-3.015e+04	-9569.76	0.32	0.0	119.5	-369.59	133.83	-99.92	-35.85	2372.09	-
1.397e+04												
						239.0	-318.65	133.83	-99.92	-35.85	-9569.76	
2202.36												
50	21	4.597e+04	9522.58	0.14	0.0	0.0	-1173.35	-193.85	99.01	41.93	-1.414e+04	
4.597e+04												
		-727.17	-1.414e+04	-0.43	0.0	119.5	-1122.41	-193.85	99.01	41.93	-2310.35	
2.262e+04												
						239.0	-1071.48	-193.85	99.01	41.93	9522.58	-
727.17												
50	22	2.133e+04	9737.61	0.11	0.0	0.0	-660.91	-90.24	-67.49	74.74	9737.61	
2.133e+04												
		-417.90	-6391.02	0.18	0.0	119.5	-609.97	-90.24	-67.49	74.74	1673.30	
1.046e+04												
						239.0	-559.03	-90.24	-67.49	74.74	-6391.02	-
417.90												
50	23	1872.92	6661.29	-0.09	0.0	0.0	-953.43	32.68	69.99	-73.48	-1.006e+04	-
6077.48												
		-6077.48	-1.006e+04	-0.30	0.0	119.5	-902.49	32.68	69.99	-73.48	-1701.28	-
2102.28												
						239.0	-851.56	32.68	69.99	-73.48	6661.29	
1872.92												
50	24	2222.54	1.481e+04	-0.12	0.0	0.0	-400.07	131.37	-103.33	-31.03	1.481e+04	-
2.958e+04												
		-2.958e+04	-9887.20	0.33	0.0	119.5	-349.13	131.37	-103.33	-31.03	2461.81	-

1.368e+04													
						239.0	-298.19	131.37	-103.33	-31.03	-9887.20		
2222.54													
50	25	4.540e+04	9840.03	0.14	0.0	0.0	-1193.81	-191.39	102.42	37.11	-1.464e+04		
4.540e+04													
		-747.34	-1.464e+04	-0.44	0.0	119.5	-1142.87	-191.39	102.42	37.11	-2400.07		
2.233e+04													
						239.0	-1091.94	-191.39	102.42	37.11	9840.03	-	
747.34													
50	26	2.190e+04	1.023e+04	0.11	0.0	0.0	-640.45	-92.70	-70.90	79.56	1.023e+04		
2.190e+04													
		-397.73	-6708.46	0.19	0.0	119.5	-589.51	-92.70	-70.90	79.56	1763.01		
1.075e+04													
						239.0	-538.57	-92.70	-70.90	79.56	-6708.46	-	
397.73													
50	27	4.157e+04	2.585e+04	-0.02	0.0	0.0	-1612.42	-170.31	270.36	-67.30	-3.877e+04		
4.157e+04													
		636.96	-3.877e+04	-1.05	0.0	119.5	-1561.48	-170.31	270.36	-67.30	-6458.62		
2.110e+04													
						239.0	-1510.54	-170.31	270.36	-67.30	2.585e+04	636.96	
50	28	1667.86	4.084e+04	-0.06	0.0	0.0	95.72	175.07	-284.64	42.07	4.084e+04	-	
4.055e+04													
		-4.055e+04	-2.720e+04	0.98	0.0	119.5	146.66	175.07	-284.64	42.07	6820.21	-	
1.944e+04													
						239.0	197.60	175.07	-284.64	42.07	-2.720e+04		
1667.86													
50	29	5.637e+04	2.715e+04	0.08	0.0	0.0	-1689.60	-235.09	283.73	-35.99	-4.066e+04		
5.637e+04													
		-192.67	-4.066e+04	-1.09	0.0	119.5	-1638.67	-235.09	283.73	-35.99	-6758.47		
2.809e+04													
						239.0	-1587.73	-235.09	283.73	-35.99	2.715e+04	-	
192.67													
50	30	838.23	3.894e+04	0.02	0.0	0.0	18.54	110.29	-271.28	73.38	3.894e+04	-	
2.575e+04													
		-2.575e+04	-2.590e+04	0.94	0.0	119.5	69.47	110.29	-271.28	73.38	6520.36	-	
1.246e+04													
						239.0	120.41	110.29	-271.28	73.38	-2.590e+04	838.23	
50	31	4.125e+04	2.602e+04	-0.02	0.0	0.0	-1614.95	-169.09	272.18	-68.24	-3.903e+04		
4.125e+04													
		615.19	-3.903e+04	-1.05	0.0	119.5	-1564.02	-169.09	272.18	-68.24	-6503.73		
2.093e+04													
						239.0	-1513.08	-169.09	272.18	-68.24	2.602e+04	615.19	
50	32	1646.09	4.057e+04	-0.06	0.0	0.0	93.19	176.29	-282.82	41.14	4.057e+04	-	
4.087e+04													
		-4.087e+04	-2.702e+04	0.98	0.0	119.5	144.12	176.29	-282.82	41.14	6775.10	-	
1.961e+04													
						239.0	195.06	176.29	-282.82	41.14	-2.702e+04		
1646.09													
50	33	5.669e+04	2.698e+04	0.09	0.0	0.0	-1687.07	-236.31	281.91	-35.06	-4.040e+04		
5.669e+04													
		-170.89	-4.040e+04	-1.09	0.0	119.5	-1636.13	-236.31	281.91	-35.06	-6713.37		
2.826e+04													
						239.0	-1585.19	-236.31	281.91	-35.06	2.698e+04	-	
170.89													
50	34	860.01	3.920e+04	0.02	0.0	0.0	21.07	109.07	-273.09	74.31	3.920e+04	-	
2.543e+04													
		-2.543e+04	-2.607e+04	0.94	0.0	119.5	72.01	109.07	-273.09	74.31	6565.47	-	
1.228e+04													
						239.0	122.95	109.07	-273.09	74.31	-2.607e+04	860.01	
50	35	3.969e+04	2.691e+04	0.02	0.0	0.0	-1680.62	-162.10	281.72	-83.37	-4.042e+04		
3.969e+04													
		569.72	-4.042e+04	-1.09	0.0	119.5	-1629.68	-162.10	281.72	-83.37	-6757.68		
2.013e+04													
						239.0	-1578.74	-162.10	281.72	-83.37	2.691e+04	569.72	
50	36	1735.11	4.249e+04	-0.07	0.0	0.0	163.93	166.86	-296.00	58.13	4.249e+04	-	
3.866e+04													
		-3.866e+04	-2.825e+04	1.02	0.0	119.5	214.86	166.86	-296.00	58.13	7119.27	-	
1.846e+04													
						239.0	265.80	166.86	-296.00	58.13	-2.825e+04		
1735.11													
50	37	5.449e+04	2.821e+04	0.09	0.0	0.0	-1757.81	-226.88	295.09	-52.05	-4.232e+04		
5.449e+04													

		-259.91	-4.232e+04	-1.13	0.0	119.5	-1706.87	-226.88	295.09	-52.05	-7057.53	2.711e+04
						239.0	-1655.93	-226.88	295.09	-52.05	2.821e+04	-259.91
50	38	905.47	4.059e+04	0.02	0.0	0.0	86.74	102.08	-282.63	89.45	4.059e+04	-2.387e+04
		-2.387e+04	-2.696e+04	0.97	0.0	119.5	137.68	102.08	-282.63	89.45	6819.41	-1.148e+04
						239.0	188.61	102.08	-282.63	89.45	-2.696e+04	905.47
50	39	3.936e+04	2.708e+04	0.02	0.0	0.0	-1683.16	-160.88	283.54	-84.30	-4.069e+04	3.936e+04
		547.95	-4.069e+04	-1.09	0.0	119.5	-1632.22	-160.88	283.54	-84.30	-6802.79	1.996e+04
						239.0	-1581.28	-160.88	283.54	-84.30	2.708e+04	547.95
50	40	1713.33	4.223e+04	-0.07	0.0	0.0	161.39	168.08	-294.18	57.20	4.223e+04	-3.899e+04
		-3.899e+04	-2.808e+04	1.02	0.0	119.5	212.33	168.08	-294.18	57.20	7074.16	-1.864e+04
						239.0	263.27	168.08	-294.18	57.20	-2.808e+04	1713.33
50	41	5.481e+04	2.803e+04	0.09	0.0	0.0	-1755.27	-228.10	293.27	-51.12	-4.206e+04	5.481e+04
		-238.13	-4.206e+04	-1.13	0.0	119.5	-1704.33	-228.10	293.27	-51.12	-7012.42	2.728e+04
						239.0	-1653.40	-228.10	293.27	-51.12	2.803e+04	-238.13
50	42	927.25	4.086e+04	0.02	0.0	0.0	89.28	100.86	-284.45	90.38	4.086e+04	-2.354e+04
		-2.354e+04	-2.713e+04	0.98	0.0	119.5	140.21	100.86	-284.45	90.38	6864.52	-1.131e+04
						239.0	191.15	100.86	-284.45	90.38	-2.713e+04	927.25
50	43	1646.95	4580.08	-0.07	0.0	0.0	-900.03	14.42	47.97	-51.24	-6883.87	-1862.59
		-1862.59	-6883.87	-0.24	0.0	119.5	-849.09	14.42	47.97	-51.24	-1151.90	-107.82
						239.0	-798.15	14.42	47.97	-51.24	4580.08	1646.95
50	44	1882.20	1.204e+04	-0.09	0.0	0.0	-493.93	96.52	-83.98	-25.25	1.204e+04	-2.139e+04
		-2.139e+04	-8030.05	0.25	0.0	119.5	-443.00	96.52	-83.98	-25.25	2006.25	-9751.61
						239.0	-392.06	96.52	-83.98	-25.25	-8030.05	1882.20
50	45	3.721e+04	7982.87	0.11	0.0	0.0	-1099.95	-156.54	83.07	31.33	-1.187e+04	3.721e+04
		-407.01	-1.187e+04	-0.36	0.0	119.5	-1049.01	-156.54	83.07	31.33	-1944.51	1.840e+04
						239.0	-998.07	-156.54	83.07	31.33	7982.87	-407.01
50	46	1.768e+04	7054.53	0.09	0.0	0.0	-693.85	-74.44	-48.88	57.32	7054.53	1.768e+04
		-171.76	-4627.26	0.12	0.0	119.5	-642.91	-74.44	-48.88	57.32	1213.63	8755.58
						239.0	-591.98	-74.44	-48.88	57.32	-4627.26	-171.76
50	47	1634.30	4831.75	-0.07	0.0	0.0	-916.24	16.37	50.67	-55.06	-7277.79	-2311.26
		-2311.26	-7277.79	-0.24	0.0	119.5	-865.30	16.37	50.67	-55.06	-1223.02	-338.48
						239.0	-814.37	16.37	50.67	-55.06	4831.75	1634.30
50	48	1894.84	1.244e+04	-0.09	0.0	0.0	-477.72	94.56	-86.68	-21.43	1.244e+04	-2.094e+04
		-2.094e+04	-8281.72	0.26	0.0	119.5	-426.78	94.56	-86.68	-21.43	2077.37	-9520.95
						239.0	-375.85	94.56	-86.68	-21.43	-8281.72	1894.84
50	49	3.676e+04	8234.54	0.11	0.0	0.0	-1116.16	-154.59	85.77	27.51	-1.227e+04	3.676e+04
		-419.65	-1.227e+04	-0.37	0.0	119.5	-1065.22	-154.59	85.77	27.51	-2015.63	1.817e+04
						239.0	-1014.28	-154.59	85.77	27.51	8234.54	-1.817e+04

419.65												
50	50	1.813e+04	7448.44	0.09	0.0	0.0	-677.64	-76.39	-51.58	61.14	7448.44	
1.813e+04												
		-159.11	-4878.93	0.13	0.0	119.5	-626.70	-76.39	-51.58	61.14	1284.76	
8986.25												
						239.0	-575.76	-76.39	-51.58	61.14	-4878.93	-
159.11												
50	51	1583.27	5037.67	-0.07	0.0	0.0	-907.05	17.62	52.81	-53.70	-7582.54	-
2711.07												
		-2711.07	-7582.54	-0.24	0.0	119.5	-856.11	17.62	52.81	-53.70	-1272.43	-
563.90												
						239.0	-805.17	17.62	52.81	-53.70	5037.67	
1583.27												
50	52	1818.52	1.134e+04	-0.09	0.0	0.0	-500.95	99.72	-79.14	-27.70	1.134e+04	-
2.223e+04												
		-2.223e+04	-7572.45	0.24	0.0	119.5	-450.02	99.72	-79.14	-27.70	1885.71	-
1.021e+04												
						239.0	-399.08	99.72	-79.14	-27.70	-7572.45	
1818.52												
50	53	3.805e+04	7525.28	0.11	0.0	0.0	-1092.93	-159.74	78.23	33.78	-1.117e+04	
3.805e+04												
		-343.33	-1.117e+04	-0.35	0.0	119.5	-1041.99	-159.74	78.23	33.78	-1823.98	
1.886e+04												
						239.0	-991.05	-159.74	78.23	33.78	7525.28	-
343.33												
50	54	1.853e+04	7753.19	0.09	0.0	0.0	-686.83	-77.64	-53.72	59.78	7753.19	
1.853e+04												
		-108.08	-5084.85	0.13	0.0	119.5	-635.89	-77.64	-53.72	59.78	1334.17	
9211.67												
						239.0	-584.96	-77.64	-53.72	59.78	-5084.85	-
108.08												
50	55	1570.63	5289.34	-0.07	0.0	0.0	-923.26	19.57	55.51	-57.52	-7976.45	-
3159.75												
		-3159.75	-7976.45	-0.25	0.0	119.5	-872.32	19.57	55.51	-57.52	-1343.55	-
794.56												
						239.0	-821.39	19.57	55.51	-57.52	5289.34	
1570.63												
50	56	1831.17	1.174e+04	-0.09	0.0	0.0	-484.74	97.77	-81.84	-23.88	1.174e+04	-
2.179e+04												
		-2.179e+04	-7824.12	0.25	0.0	119.5	-433.80	97.77	-81.84	-23.88	1956.84	-
9977.03												
						239.0	-382.87	97.77	-81.84	-23.88	-7824.12	
1831.17												
50	57	3.761e+04	7776.95	0.11	0.0	0.0	-1109.14	-157.79	80.93	29.96	-1.157e+04	
3.761e+04												
		-355.97	-1.157e+04	-0.36	0.0	119.5	-1058.20	-157.79	80.93	29.96	-1895.10	
1.862e+04												
						239.0	-1007.26	-157.79	80.93	29.96	7776.95	-
355.97												
50	58	1.898e+04	8147.10	0.09	0.0	0.0	-670.62	-79.60	-56.42	63.60	8147.10	
1.898e+04												
		-95.43	-5336.52	0.14	0.0	119.5	-619.68	-79.60	-56.42	63.60	1405.29	
9442.33												
						239.0	-568.75	-79.60	-56.42	63.60	-5336.52	-95.43
50	59	3.459e+04	2.048e+04	-0.02	0.0	0.0	-1443.78	-141.20	214.20	-52.67	-3.071e+04	
3.459e+04												
		653.61	-3.071e+04	-0.84	0.0	119.5	-1392.84	-141.20	214.20	-52.67	-5113.81	
1.762e+04												
						239.0	-1341.90	-141.20	214.20	-52.67	2.048e+04	653.61
50	60	1437.77	3.238e+04	-0.05	0.0	0.0	-90.13	132.47	-225.64	33.98	3.238e+04	-
3.049e+04												
		-3.049e+04	-2.155e+04	0.77	0.0	119.5	-39.19	132.47	-225.64	33.98	5413.34	-
1.453e+04												
						239.0	11.75	132.47	-225.64	33.98	-2.155e+04	
1437.77												
50	61	4.631e+04	2.150e+04	0.07	0.0	0.0	-1503.75	-192.49	224.73	-27.90	-3.221e+04	
4.631e+04												
		37.42	-3.221e+04	-0.88	0.0	119.5	-1452.82	-192.49	224.73	-27.90	-5351.60	
2.317e+04												
						239.0	-1401.88	-192.49	224.73	-27.90	2.150e+04	37.42
50	62	821.59	3.088e+04	0.01	0.0	0.0	-150.10	81.18	-215.11	58.75	3.088e+04	-
1.877e+04												

		-1.877e+04	-2.053e+04	0.73	0.0	119.5	-99.16	81.18	-215.11	58.75	5175.55	-	
8973.03													
						239.0	-48.23	81.18	-215.11	58.75	-2.053e+04	821.59	
50	63	3.433e+04	2.062e+04	-0.02	0.0	0.0	-1445.88	-140.24	215.65	-53.40	-3.092e+04		
3.433e+04													
		634.50	-3.092e+04	-0.84	0.0	119.5	-1394.95	-140.24	215.65	-53.40	-5149.97		
1.748e+04													
						239.0	-1344.01	-140.24	215.65	-53.40	2.062e+04	634.50	
50	64	1418.67	3.217e+04	-0.05	0.0	0.0	-92.23	133.43	-224.19	33.24	3.217e+04	-	
3.074e+04													
		-3.074e+04	-2.141e+04	0.76	0.0	119.5	-41.29	133.43	-224.19	33.24	5377.18	-	
1.466e+04													
						239.0	9.64	133.43	-224.19	33.24	-2.141e+04		
1418.67													
50	65	4.656e+04	2.137e+04	0.07	0.0	0.0	-1501.65	-193.45	223.28	-27.16	-3.200e+04		
4.656e+04													
		56.52	-3.200e+04	-0.88	0.0	119.5	-1450.71	-193.45	223.28	-27.16	-5315.44		
2.331e+04													
						239.0	-1399.77	-193.45	223.28	-27.16	2.137e+04	56.52	
50	66	840.69	3.109e+04	0.02	0.0	0.0	-148.00	80.22	-216.56	59.48	3.109e+04	-	
1.851e+04													
		-1.851e+04	-2.067e+04	0.73	0.0	119.5	-97.06	80.22	-216.56	59.48	5211.71	-	
8836.20													
						239.0	-46.12	80.22	-216.56	59.48	-2.067e+04	840.69	
50	67	3.309e+04	2.132e+04	0.02	0.0	0.0	-1497.82	-134.69	223.20	-65.40	-3.202e+04		
3.309e+04													
		611.46	-3.202e+04	-0.87	0.0	119.5	-1446.88	-134.69	223.20	-65.40	-5350.89		
1.685e+04													
						239.0	-1395.94	-134.69	223.20	-65.40	2.132e+04	611.46	
50	68	1479.92	3.369e+04	-0.05	0.0	0.0	-36.09	125.95	-234.64	46.71	3.369e+04	-	
2.899e+04													
		-2.899e+04	-2.239e+04	0.80	0.0	119.5	14.85	125.95	-234.64	46.71	5650.41	-	
1.376e+04													
						239.0	65.79	125.95	-234.64	46.71	-2.239e+04		
1479.92													
50	69	4.481e+04	2.234e+04	0.07	0.0	0.0	-1557.79	-185.97	233.73	-40.63	-3.352e+04		
4.481e+04													
		-4.73	-3.352e+04	-0.91	0.0	119.5	-1506.86	-185.97	233.73	-40.63	-5588.67		
2.240e+04													
						239.0	-1455.92	-185.97	233.73	-40.63	2.234e+04	-4.73	
50	70	863.74	3.219e+04	0.01	0.0	0.0	-96.06	74.66	-224.11	71.48	3.219e+04	-	
1.727e+04													
		-1.727e+04	-2.137e+04	0.76	0.0	119.5	-45.12	74.66	-224.11	71.48	5412.63	-	
8204.16													
						239.0	5.81	74.66	-224.11	71.48	-2.137e+04	863.74	
50	71	3.284e+04	2.146e+04	0.02	0.0	0.0	-1499.92	-133.73	224.65	-66.14	-3.223e+04		
3.284e+04													
		592.35	-3.223e+04	-0.87	0.0	119.5	-1448.99	-133.73	224.65	-66.14	-5387.05		
1.672e+04													
						239.0	-1398.05	-133.73	224.65	-66.14	2.146e+04	592.35	
50	72	1460.82	3.348e+04	-0.05	0.0	0.0	-38.19	126.91	-233.19	45.97	3.348e+04	-	
2.925e+04													
		-2.925e+04	-2.225e+04	0.80	0.0	119.5	12.74	126.91	-233.19	45.97	5614.25	-	
1.389e+04													
						239.0	63.68	126.91	-233.19	45.97	-2.225e+04		
1460.82													
50	73	4.507e+04	2.221e+04	0.07	0.0	0.0	-1555.69	-186.93	232.28	-39.89	-3.331e+04		
4.507e+04													
		14.37	-3.331e+04	-0.91	0.0	119.5	-1504.75	-186.93	232.28	-39.89	-5552.51		
2.254e+04													
						239.0	-1453.81	-186.93	232.28	-39.89	2.221e+04	14.37	
50	74	882.84	3.240e+04	0.01	0.0	0.0	-93.96	73.70	-225.56	72.22	3.240e+04	-	
1.702e+04													
		-1.702e+04	-2.151e+04	0.76	0.0	119.5	-43.02	73.70	-225.56	72.22	5448.79	-	
8067.33													
						239.0	7.92	73.70	-225.56	72.22	-2.151e+04	882.84	
50	75	1491.02	3779.19	-0.05	0.0	0.0	-881.93	6.73	39.55	-41.84	-5671.74	-	
170.46													
		-170.46	-5671.74	-0.20	0.0	119.5	-830.99	6.73	39.55	-41.84	-946.28	660.28	
						239.0	-780.05	6.73	39.55	-41.84	3779.19		
1491.02													
50	76	1685.93	9969.27	-0.07	0.0	0.0	-546.32	74.58	-69.50	-20.36	9969.27	-	

1.630e+04												
		-1.630e+04	-6642.02	0.19	0.0	119.5	-495.38	74.58	-69.50	-20.36	1663.63	-
7309.36												
						239.0	-444.45	74.58	-69.50	-20.36	-6642.02	
1685.93												
50	77	3.212e+04	6594.85	0.09	0.0	0.0	-1047.56	-134.60	68.59	26.44	-9798.62	
3.212e+04												
		-210.74	-9798.62	-0.31	0.0	119.5	-996.62	-134.60	68.59	26.44	-1601.89	
1.596e+04												
						239.0	-945.68	-134.60	68.59	26.44	6594.85	-
210.74												
50	78	1.599e+04	5842.39	0.08	0.0	0.0	-711.96	-66.75	-40.46	47.92	5842.39	
1.599e+04												
		-15.83	-3826.37	0.09	0.0	119.5	-661.02	-66.75	-40.46	47.92	1008.01	
7987.49												
						239.0	-610.08	-66.75	-40.46	47.92	-3826.37	-15.83
50	79	1480.50	3987.17	-0.05	0.0	0.0	-895.32	8.34	41.78	-45.00	-5997.27	-
541.25												
		-541.25	-5997.27	-0.21	0.0	119.5	-844.39	8.34	41.78	-45.00	-1005.05	469.63
						239.0	-793.45	8.34	41.78	-45.00	3987.17	
1480.50												
50	80	1696.45	1.029e+04	-0.07	0.0	0.0	-532.92	72.96	-71.73	-17.20	1.029e+04	-
1.593e+04												
		-1.593e+04	-6850.00	0.20	0.0	119.5	-481.99	72.96	-71.73	-17.20	1722.40	-
7118.71												
						239.0	-431.05	72.96	-71.73	-17.20	-6850.00	
1696.45												
50	81	3.175e+04	6802.82	0.09	0.0	0.0	-1060.96	-132.98	70.82	23.28	-1.012e+04	
3.175e+04												
		-221.26	-1.012e+04	-0.31	0.0	119.5	-1010.02	-132.98	70.82	23.28	-1660.66	
1.577e+04												
						239.0	-959.08	-132.98	70.82	23.28	6802.82	-
221.26												
50	82	1.636e+04	6167.92	0.07	0.0	0.0	-698.56	-68.36	-42.69	51.08	6167.92	
1.636e+04												
		-5.31	-4034.34	0.10	0.0	119.5	-647.62	-68.36	-42.69	51.08	1066.79	
8178.14												
						239.0	-596.68	-68.36	-42.69	51.08	-4034.34	-5.31
50	83	1438.63	4156.83	-0.06	0.0	0.0	-887.72	9.37	43.54	-43.87	-6248.35	-
871.13												
		-871.13	-6248.35	-0.21	0.0	119.5	-836.79	9.37	43.54	-43.87	-1045.76	283.75
						239.0	-785.85	9.37	43.54	-43.87	4156.83	
1438.63												
50	84	1633.54	9392.66	-0.07	0.0	0.0	-552.12	77.22	-65.51	-22.38	9392.66	-
1.701e+04												
		-1.701e+04	-6264.38	0.19	0.0	119.5	-501.18	77.22	-65.51	-22.38	1564.14	-
7685.89												
						239.0	-450.25	77.22	-65.51	-22.38	-6264.38	
1633.54												
50	85	3.283e+04	6217.20	0.09	0.0	0.0	-1041.76	-137.24	64.59	28.46	-9222.01	
3.283e+04												
		-158.34	-9222.01	-0.30	0.0	119.5	-990.82	-137.24	64.59	28.46	-1502.40	
1.633e+04												
						239.0	-939.89	-137.24	64.59	28.46	6217.20	-
158.34												
50	86	1.669e+04	6419.00	0.08	0.0	0.0	-706.16	-69.39	-44.45	49.95	6419.00	
1.669e+04												
		36.56	-4204.01	0.10	0.0	119.5	-655.22	-69.39	-44.45	49.95	1107.50	
8364.02												
						239.0	-604.28	-69.39	-44.45	49.95	-4204.01	36.56
50	87	1428.11	4364.81	-0.06	0.0	0.0	-901.12	10.98	45.77	-47.02	-6573.88	-
1241.92												
		-1241.92	-6573.88	-0.22	0.0	119.5	-850.19	10.98	45.77	-47.02	-1104.54	93.09
						239.0	-799.25	10.98	45.77	-47.02	4364.81	
1428.11												
50	88	1644.06	9718.19	-0.07	0.0	0.0	-538.72	75.60	-67.74	-19.23	9718.19	-
1.663e+04												
		-1.663e+04	-6472.36	0.20	0.0	119.5	-487.79	75.60	-67.74	-19.23	1622.92	-
7495.24												
						239.0	-436.85	75.60	-67.74	-19.23	-6472.36	
1644.06												
50	89	3.245e+04	6425.18	0.09	0.0	0.0	-1055.16	-135.63	66.83	25.31	-9547.54	

3.245e+04													
			-168.86	-9547.54	-0.31	0.0	119.5	-1004.22	-135.63	66.83	25.31	-1561.18	
1.614e+04													
							239.0	-953.28	-135.63	66.83	25.31	6425.18	-
168.86													
	50	90	1.706e+04	6744.53	0.08	0.0	0.0	-692.76	-71.01	-46.68	53.10	6744.53	
1.706e+04													
			47.08	-4411.98	0.11	0.0	119.5	-641.82	-71.01	-46.68	53.10	1166.27	
8554.67													
							239.0	-590.88	-71.01	-46.68	53.10	-4411.98	47.08
	50	91	2.996e+04	1.692e+04	0.02	0.0	0.0	-1331.44	-121.90	176.93	-43.01	-2.536e+04	
2.996e+04													
			668.01	-2.536e+04	-0.70	0.0	119.5	-1280.50	-121.90	176.93	-43.01	-4220.63	
1.531e+04													
							239.0	-1229.56	-121.90	176.93	-43.01	1.692e+04	668.01
	50	92	1317.71	2.677e+04	-0.04	0.0	0.0	-212.75	104.27	-186.55	28.60	2.677e+04	-
2.382e+04													
			-2.382e+04	-1.781e+04	0.62	0.0	119.5	-161.82	104.27	-186.55	28.60	4479.05	-
1.125e+04													
							239.0	-110.88	104.27	-186.55	28.60	-1.781e+04	
1317.71													
	50	93	3.964e+04	1.777e+04	0.06	0.0	0.0	-1381.13	-164.29	185.64	-22.52	-2.660e+04	
3.964e+04													
			157.49	-2.660e+04	-0.73	0.0	119.5	-1330.19	-164.29	185.64	-22.52	-4417.31	
1.990e+04													
							239.0	-1279.25	-164.29	185.64	-22.52	1.777e+04	157.49
	50	94	807.18	2.553e+04	0.01	0.0	0.0	-262.44	61.87	-177.84	49.09	2.553e+04	-
1.414e+04													
			-1.414e+04	-1.697e+04	0.59	0.0	119.5	-211.51	61.87	-177.84	49.09	4282.36	-
6664.33													
							239.0	-160.57	61.87	-177.84	49.09	-1.697e+04	807.18
	50	95	2.975e+04	1.704e+04	-0.02	0.0	0.0	-1333.18	-121.10	178.13	-43.61	-2.554e+04	
2.975e+04													
			652.30	-2.554e+04	-0.71	0.0	119.5	-1282.24	-121.10	178.13	-43.61	-4250.47	
1.520e+04													
							239.0	-1231.30	-121.10	178.13	-43.61	1.704e+04	652.30
	50	96	1301.99	2.660e+04	-0.04	0.0	0.0	-214.49	105.06	-185.36	27.99	2.660e+04	-
2.403e+04													
			-2.403e+04	-1.770e+04	0.62	0.0	119.5	-163.56	105.06	-185.36	27.99	4449.20	-
1.137e+04													
							239.0	-112.62	105.06	-185.36	27.99	-1.770e+04	
1301.99													
	50	97	3.986e+04	1.765e+04	0.06	0.0	0.0	-1379.39	-165.09	184.45	-21.92	-2.643e+04	
3.986e+04													
			173.20	-2.643e+04	-0.73	0.0	119.5	-1328.45	-165.09	184.45	-21.92	-4387.46	
2.001e+04													
							239.0	-1277.51	-165.09	184.45	-21.92	1.765e+04	173.20
	50	98	822.90	2.571e+04	0.01	0.0	0.0	-260.70	61.08	-179.04	49.69	2.571e+04	-
1.393e+04													
			-1.393e+04	-1.708e+04	0.60	0.0	119.5	-209.77	61.08	-179.04	49.69	4312.21	-
6551.37													
							239.0	-158.83	61.08	-179.04	49.69	-1.708e+04	822.90
	50	99	2.872e+04	1.762e+04	0.02	0.0	0.0	-1376.10	-116.51	184.37	-53.53	-2.645e+04	
2.872e+04													
			632.95	-2.645e+04	-0.73	0.0	119.5	-1325.16	-116.51	184.37	-53.53	-4416.54	
1.468e+04													
							239.0	-1274.22	-116.51	184.37	-53.53	1.762e+04	632.95
	50	100	1352.77	2.786e+04	-0.04	0.0	0.0	-168.10	98.89	-194.00	39.13	2.786e+04	-
2.259e+04													
			-2.259e+04	-1.851e+04	0.65	0.0	119.5	-117.16	98.89	-194.00	39.13	4674.96	-
1.062e+04													
							239.0	-66.22	98.89	-194.00	39.13	-1.851e+04	
1352.77													
	50	101	3.841e+04	1.846e+04	0.06	0.0	0.0	-1425.79	-158.91	193.08	-33.05	-2.769e+04	
3.841e+04													
			122.42	-2.769e+04	-0.76	0.0	119.5	-1374.85	-158.91	193.08	-33.05	-4613.23	
1.927e+04													
							239.0	-1323.91	-158.91	193.08	-33.05	1.846e+04	122.42
	50	102	842.24	2.662e+04	0.01	0.0	0.0	-217.79	56.49	-185.28	59.61	2.662e+04	-
1.290e+04													
			-1.290e+04	-1.766e+04	0.62	0.0	119.5	-166.85	56.49	-185.28	59.61	4478.28	-
6028.81													

						239.0	-115.91	56.49	-185.28	59.61	-1.766e+04	842.24
50	103	2.851e+04	1.773e+04	0.02	0.0	0.0	-1377.83	-115.72	185.57	-54.14	-2.662e+04	
2.851e+04												
		617.23	-2.662e+04	-0.73	0.0	119.5	-1326.90	-115.72	185.57	-54.14	-4446.39	
1.456e+04												
						239.0	-1275.96	-115.72	185.57	-54.14	1.773e+04	617.23
50	104	1337.05	2.768e+04	-0.04	0.0	0.0	-169.83	99.68	-192.80	38.52	2.768e+04	-
2.280e+04												
		-2.280e+04	-1.839e+04	0.65	0.0	119.5	-118.90	99.68	-192.80	38.52	4645.12	-
1.073e+04												
						239.0	-67.96	99.68	-192.80	38.52	-1.839e+04	
1337.05												
50	105	3.862e+04	1.835e+04	0.06	0.0	0.0	-1424.05	-159.70	191.89	-32.44	-2.751e+04	
3.862e+04												
		138.14	-2.751e+04	-0.76	0.0	119.5	-1373.11	-159.70	191.89	-32.44	-4583.38	
1.938e+04												
						239.0	-1322.17	-159.70	191.89	-32.44	1.835e+04	138.14
50	106	857.96	2.679e+04	0.01	0.0	0.0	-216.05	55.70	-186.48	60.22	2.679e+04	-
1.269e+04												
		-1.269e+04	-1.778e+04	0.62	0.0	119.5	-165.11	55.70	-186.48	60.22	4508.13	-
5915.85												
						239.0	-114.17	55.70	-186.48	60.22	-1.778e+04	857.96
54	1	3976.64	52.80	7.44e-03	0.0	0.0	-241.31	-17.55	-1.45	-2.67	52.80	
3976.64												
		1718.27	-134.18	-0.02	0.0	64.3	-205.65	-17.55	-1.45	-2.67	-40.69	
2847.46												
						128.7	-170.00	-17.55	-1.45	-2.67	-134.18	
1718.27												
54	2	1.568e+04	2060.97	0.04	0.0	0.0	-1223.92	47.02	-27.98	-10.06	2060.97	
9631.34												
		9631.34	-1539.30	-0.08	0.0	64.3	-1188.26	47.02	-27.98	-10.06	260.83	
1.266e+04												
						128.7	-1152.60	47.02	-27.98	-10.06	-1539.30	
1.568e+04												
54	3	2952.24	2.72	5.14e-03	0.0	0.0	-167.08	-14.72	-0.62	-1.91	2.72	
2952.24												
		1058.21	-76.70	-0.01	0.0	64.3	-139.65	-14.72	-0.62	-1.91	-36.99	
2005.23												
						128.7	-112.22	-14.72	-0.62	-1.91	-76.70	
1058.21												
54	4	1.502e+04	2010.89	0.04	0.0	0.0	-1149.69	49.86	-27.14	-9.30	2010.89	
8606.94												
		8606.94	-1481.82	-0.08	0.0	64.3	-1122.26	49.86	-27.14	-9.30	264.53	
1.181e+04												
						128.7	-1094.83	49.86	-27.14	-9.30	-1481.82	
1.502e+04												
54	5	3012.56	24.14	5.47e-03	0.0	0.0	-177.56	-14.03	-0.90	-1.99	24.14	
3012.56												
		1207.17	-91.69	-0.01	0.0	64.3	-150.13	-14.03	-0.90	-1.99	-33.77	
2109.86												
						128.7	-122.70	-14.03	-0.90	-1.99	-91.69	
1207.17												
54	6	1.052e+04	1362.92	0.03	0.0	0.0	-832.63	29.02	-18.58	-6.92	1362.92	
6782.36												
		6782.36	-1028.43	-0.06	0.0	64.3	-805.20	29.02	-18.58	-6.92	167.24	
8649.70												
						128.7	-777.78	29.02	-18.58	-6.92	-1028.43	
1.052e+04												
54	7	3012.56	24.14	5.47e-03	0.0	0.0	-177.56	-14.03	-0.90	-1.99	24.14	
3012.56												
		1207.17	-91.69	-0.01	0.0	64.3	-150.13	-14.03	-0.90	-1.99	-33.77	
2109.86												
						128.7	-122.70	-14.03	-0.90	-1.99	-91.69	
1207.17												
54	8	7724.08	961.29	0.02	0.0	0.0	-636.11	16.11	-13.28	-5.44	961.29	
5651.42												
		5651.42	-747.41	-0.04	0.0	64.3	-608.68	16.11	-13.28	-5.44	106.94	
6687.75												
						128.7	-581.25	16.11	-13.28	-5.44	-747.41	
7724.08												
54	9	3012.56	24.14	5.47e-03	0.0	0.0	-177.56	-14.03	-0.90	-1.99	24.14	
3012.56												

		1207.17	-91.69	-0.01	0.0	64.3	-150.13	-14.03	-0.90	-1.99	-33.77	2109.86
						128.7	-122.70	-14.03	-0.90	-1.99	-91.69	1207.17
54	10	6793.09	827.41	0.02	0.0	0.0	-570.60	11.80	-11.51	-4.95	827.41	5274.44
		5274.44	-653.74	-0.04	0.0	64.3	-543.17	11.80	-11.51	-4.95	86.84	6033.77
						128.7	-515.75	11.80	-11.51	-4.95	-653.74	6793.09
54	11	1.190e+04	2.027e+04	0.06	0.0	0.0	-572.46	120.74	-268.72	12.90	2.027e+04	-5381.28
		-5381.28	-1.429e+04	0.07	0.0	64.3	-545.03	120.74	-268.72	12.90	2992.24	3257.87
						128.7	-517.60	120.74	-268.72	12.90	-1.429e+04	1.190e+04
54	12	5.169e+04	2.515e+04	0.05	0.0	0.0	-1488.62	659.64	-331.91	36.87	2.515e+04	-3.504e+04
		-3.504e+04	-1.759e+04	0.16	0.0	64.3	-1461.19	659.64	-331.91	36.87	3779.71	8320.71
						128.7	-1433.76	659.64	-331.91	36.87	-1.759e+04	5.169e+04
54	13	4.559e+04	1.628e+04	-0.02	0.0	0.0	347.41	-636.04	308.89	-46.77	-2.349e+04	4.559e+04
		-3.810e+04	-2.349e+04	-0.24	0.0	64.3	374.84	-636.04	308.89	-46.77	-3606.04	3746.82
						128.7	402.27	-636.04	308.89	-46.77	1.628e+04	-3.810e+04
54	14	1.593e+04	1.298e+04	-0.02	0.0	0.0	-568.75	-97.14	245.70	-22.80	-1.862e+04	1.593e+04
		1689.17	-1.862e+04	-0.15	0.0	64.3	-541.32	-97.14	245.70	-22.80	-2818.57	8809.66
						128.7	-513.89	-97.14	245.70	-22.80	1.298e+04	1689.17
54	15	1.266e+04	1.998e+04	0.06	0.0	0.0	-587.28	128.04	-264.27	13.73	1.998e+04	-5551.92
		-5551.92	-1.401e+04	0.08	0.0	64.3	-559.85	128.04	-264.27	13.73	2986.96	3556.18
						128.7	-532.42	128.04	-264.27	13.73	-1.401e+04	1.266e+04
54	16	5.092e+04	2.544e+04	0.05	0.0	0.0	-1473.80	652.34	-336.36	36.04	2.544e+04	-3.487e+04
		-3.487e+04	-1.787e+04	0.16	0.0	64.3	-1446.37	652.34	-336.36	36.04	3784.99	8022.39
						128.7	-1418.94	652.34	-336.36	36.04	-1.787e+04	5.092e+04
54	17	4.542e+04	1.656e+04	-0.02	0.0	0.0	332.59	-628.74	313.34	-45.94	-2.378e+04	4.542e+04
		-3.733e+04	-2.378e+04	-0.23	0.0	64.3	360.02	-628.74	313.34	-45.94	-3611.32	4045.14
						128.7	387.45	-628.74	313.34	-45.94	1.656e+04	-3.733e+04
54	18	1.610e+04	1.270e+04	-0.02	0.0	0.0	-553.93	-104.44	241.25	-23.63	-1.833e+04	1.610e+04
		921.89	-1.833e+04	-0.15	0.0	64.3	-526.50	-104.44	241.25	-23.63	-2813.29	8511.35
						128.7	-499.07	-104.44	241.25	-23.63	1.270e+04	921.89
54	19	1.351e+04	2.023e+04	0.02	0.0	0.0	-603.05	133.13	-268.00	13.34	2.023e+04	-5261.91
		-5261.91	-1.423e+04	0.04	0.0	64.3	-575.62	133.13	-268.00	13.34	3000.39	4123.43
						128.7	-548.19	133.13	-268.00	13.34	-1.423e+04	1.351e+04
54	20	5.330e+04	2.511e+04	9.90e-03	0.0	0.0	-1519.21	672.03	-331.19	37.30	2.511e+04	-3.493e+04
		-3.493e+04	-1.753e+04	0.12	0.0	64.3	-1491.78	672.03	-331.19	37.30	3787.86	9186.28
						128.7	-1464.35	672.03	-331.19	37.30	-1.753e+04	5.330e+04
54	21	4.547e+04	1.623e+04	0.03	0.0	0.0	378.01	-648.43	308.17	-47.20	-2.346e+04	4.547e+04
		-3.971e+04	-2.346e+04	-0.20	0.0	64.3	405.43	-648.43	308.17	-47.20	-3614.19	

2881.25													
						128.7	432.86	-648.43	308.17	-47.20	1.623e+04	-	
3.971e+04													
54	22	1.581e+04	1.293e+04	0.02	0.0	0.0	-538.16	-109.53	244.98	-23.24	-1.858e+04		
1.581e+04													
		77.40	-1.858e+04	-0.11	0.0	64.3	-510.73	-109.53	244.98	-23.24	-2826.72		
7944.10													
						128.7	-483.30	-109.53	244.98	-23.24	1.293e+04	77.40	
54	23	1.428e+04	1.994e+04	0.02	0.0	0.0	-617.87	140.43	-263.55	14.16	1.994e+04	-	
5432.55													
		-5432.55	-1.395e+04	0.04	0.0	64.3	-590.44	140.43	-263.55	14.16	2995.11		
4421.75													
						128.7	-563.01	140.43	-263.55	14.16	-1.395e+04		
1.428e+04													
54	24	5.253e+04	2.540e+04	9.02e-03	0.0	0.0	-1504.39	664.73	-335.64	36.48	2.540e+04	-	
3.475e+04													
		-3.475e+04	-1.781e+04	0.12	0.0	64.3	-1476.96	664.73	-335.64	36.48	3793.14		
8887.96													
						128.7	-1449.53	664.73	-335.64	36.48	-1.781e+04		
5.253e+04													
54	25	4.530e+04	1.651e+04	0.03	0.0	0.0	363.18	-641.13	312.62	-46.37	-2.375e+04		
4.530e+04													
		-3.894e+04	-2.375e+04	-0.20	0.0	64.3	390.61	-641.13	312.62	-46.37	-3619.47		
3179.57													
						128.7	418.04	-641.13	312.62	-46.37	1.651e+04	-	
3.894e+04													
54	26	1.598e+04	1.265e+04	0.02	0.0	0.0	-523.33	-116.83	240.53	-24.06	-1.829e+04		
1.598e+04													
		-689.88	-1.829e+04	-0.11	0.0	64.3	-495.91	-116.83	240.53	-24.06	-2821.43		
7645.78													
						128.7	-468.48	-116.83	240.53	-24.06	1.265e+04	-	
689.88													
54	27	4.707e+04	262.90	0.04	0.0	0.0	818.35	-772.86	7.17	-35.94	-734.65		
4.707e+04													
		-5.202e+04	-734.65	-0.14	0.0	64.3	845.78	-772.86	7.17	-35.94	-235.87	-	
2477.65													
						128.7	873.21	-772.86	7.17	-35.94	262.90	-	
5.202e+04													
54	28	8.061e+04	1.552e+04	0.02	0.0	0.0	-2235.52	1023.50	-203.47	43.94	1.552e+04	-	
5.181e+04													
		-5.181e+04	-1.074e+04	0.16	0.0	64.3	-2208.09	1023.50	-203.47	43.94	2389.03		
1.440e+04													
						128.7	-2180.66	1023.50	-203.47	43.94	-1.074e+04		
8.061e+04													
54	29	6.236e+04	9433.77	0.02	0.0	0.0	1094.31	-999.89	180.45	-53.84	-1.386e+04		
6.236e+04													
		-6.702e+04	-1.386e+04	-0.23	0.0	64.3	1121.74	-999.89	180.45	-53.84	-2215.36	-	
2330.97													
						128.7	1149.17	-999.89	180.45	-53.84	9433.77	-	
6.702e+04													
54	30	6.561e+04	2389.46	-0.01	0.0	0.0	-1959.56	796.46	-30.19	26.04	2389.46	-	
3.652e+04													
		-3.652e+04	-1570.38	0.06	0.0	64.3	-1932.13	796.46	-30.19	26.04	409.54		
1.455e+04													
						128.7	-1904.70	796.46	-30.19	26.04	-1570.38		
6.561e+04													
54	31	4.710e+04	279.24	0.03	0.0	0.0	809.18	-769.14	7.38	-35.81	-746.09		
4.710e+04													
		-5.154e+04	-746.09	-0.15	0.0	64.3	836.60	-769.14	7.38	-35.81	-233.43	-	
2217.98													
						128.7	864.03	-769.14	7.38	-35.81	279.24	-	
5.154e+04													
54	32	8.109e+04	1.551e+04	-4.71e-03	0.0	0.0	-2244.70	1027.21	-203.25	44.07	1.551e+04	-	
5.177e+04													
		-5.177e+04	-1.072e+04	0.14	0.0	64.3	-2217.27	1027.21	-203.25	44.07	2391.47		
1.466e+04													
						128.7	-2189.84	1027.21	-203.25	44.07	-1.072e+04		
8.109e+04													
54	33	6.232e+04	9417.44	0.03	0.0	0.0	1103.49	-1003.61	180.23	-53.97	-1.385e+04		
6.232e+04													
		-6.750e+04	-1.385e+04	-0.22	0.0	64.3	1130.92	-1003.61	180.23	-53.97	-2217.80	-	
2590.64													

						128.7	1158.35	-1003.61	180.23	-53.97	9417.44	-	6.750e+04
54	34	6.513e+04	2400.91	7.05e-03	0.0	0.0	-1950.38	792.74	-30.40	25.91	2400.91	-	3.655e+04
		-3.655e+04	-1586.71	0.07	0.0	64.3	-1922.95	792.74	-30.40	25.91	407.10		1.429e+04
						128.7	-1895.52	792.74	-30.40	25.91	-1586.71		6.513e+04
54	35	4.650e+04	1194.00	0.04	0.0	0.0	768.95	-748.52	21.99	-33.19	-1700.96		4.650e+04
		-4.946e+04	-1700.96	-0.13	0.0	64.3	796.38	-748.52	21.99	-33.19	-253.48	-	1483.26
						128.7	823.80	-748.52	21.99	-33.19	1194.00	-	4.946e+04
54	36	7.805e+04	1.649e+04	0.01	0.0	0.0	-2186.11	999.16	-218.30	41.19	1.649e+04	-	5.124e+04
		-5.124e+04	-1.167e+04	0.15	0.0	64.3	-2158.69	999.16	-218.30	41.19	2406.64		1.340e+04
						128.7	-2131.26	999.16	-218.30	41.19	-1.167e+04		7.805e+04
54	37	6.179e+04	1.036e+04	0.02	0.0	0.0	1044.91	-975.56	195.28	-51.09	-1.483e+04		6.179e+04
		-6.446e+04	-1.483e+04	-0.22	0.0	64.3	1072.34	-975.56	195.28	-51.09	-2232.96	-	1336.57
						128.7	1099.77	-975.56	195.28	-51.09	1.036e+04	-	6.446e+04
54	38	6.305e+04	3355.78	-0.01	0.0	0.0	-1910.15	772.13	-45.01	23.29	3355.78	-	3.595e+04
		-3.595e+04	-2501.48	0.05	0.0	64.3	-1882.73	772.13	-45.01	23.29	427.15		1.355e+04
						128.7	-1855.30	772.13	-45.01	23.29	-2501.48		6.305e+04
54	39	4.653e+04	1210.34	0.03	0.0	0.0	759.77	-744.81	22.21	-33.06	-1712.41		4.653e+04
		-4.898e+04	-1712.41	-0.14	0.0	64.3	787.20	-744.81	22.21	-33.06	-251.04	-	1223.59
						128.7	814.63	-744.81	22.21	-33.06	1210.34	-	4.898e+04
54	40	7.853e+04	1.647e+04	-6.11e-03	0.0	0.0	-2195.29	1002.88	-218.08	41.32	1.647e+04	-	5.121e+04
		-5.121e+04	-1.166e+04	0.13	0.0	64.3	-2167.86	1002.88	-218.08	41.32	2409.08		1.366e+04
						128.7	-2140.44	1002.88	-218.08	41.32	-1.166e+04		7.853e+04
54	41	6.175e+04	1.035e+04	0.03	0.0	0.0	1054.09	-979.28	195.06	-51.22	-1.482e+04		6.175e+04
		-6.495e+04	-1.482e+04	-0.21	0.0	64.3	1081.52	-979.28	195.06	-51.22	-2235.41	-	1596.24
						128.7	1108.94	-979.28	195.06	-51.22	1.035e+04	-	6.495e+04
54	42	6.257e+04	3367.22	4.14e-03	0.0	0.0	-1900.98	768.41	-45.23	23.16	3367.22	-	3.599e+04
		-3.599e+04	-2517.81	0.06	0.0	64.3	-1873.55	768.41	-45.23	23.16	424.71		1.329e+04
						128.7	-1846.12	768.41	-45.23	23.16	-2517.81		6.257e+04
54	43	1.083e+04	1.622e+04	0.05	0.0	0.0	-571.14	97.65	-215.15	9.21	1.622e+04	-	3065.32
		-3065.32	-1.145e+04	0.05	0.0	64.3	-543.71	97.65	-215.15	9.21	2387.46		3884.26
						128.7	-516.29	97.65	-215.15	9.21	-1.145e+04		1.083e+04
54	44	4.233e+04	2.006e+04	0.04	0.0	0.0	-1297.06	524.15	-264.86	28.14	2.006e+04	-	2.652e+04
		-2.652e+04	-1.404e+04	0.12	0.0	64.3	-1269.63	524.15	-264.86	28.14	3008.13		7905.39
						128.7	-1242.20	524.15	-264.86	28.14	-1.404e+04		4.233e+04
54	45	3.707e+04	1.274e+04	-9.16e-03	0.0	0.0	155.85	-500.55	241.84	-38.04	-1.841e+04		3.707e+04
		-2.875e+04	-1.841e+04	-0.20	0.0	64.3	183.28	-500.55	241.84	-38.04	-2834.45		4162.14

						128.7	210.71	-500.55	241.84	-38.04	1.274e+04		-2.875e+04
54	46	1.361e+04	1.014e+04	-0.01	0.0	0.0	-570.06	-74.05	192.13	-19.11	-1.457e+04		1.361e+04
		2752.34	-1.457e+04	-0.13	0.0	64.3	-542.63	-74.05	192.13	-19.11	-2213.79		8183.27
						128.7	-515.21	-74.05	192.13	-19.11	1.014e+04		2752.34
54	47	1.144e+04	1.599e+04	0.05	0.0	0.0	-582.89	103.41	-211.62	9.86	1.599e+04		-3197.37
		-3197.37	-1.123e+04	0.05	0.0	64.3	-555.46	103.41	-211.62	9.86	2383.44		4121.95
						128.7	-528.03	103.41	-211.62	9.86	-1.123e+04		1.144e+04
54	48	4.173e+04	2.029e+04	0.04	0.0	0.0	-1285.31	518.39	-268.39	27.50	2.029e+04		-2.639e+04
		-2.639e+04	-1.427e+04	0.12	0.0	64.3	-1257.89	518.39	-268.39	27.50	3012.15		7667.70
						128.7	-1230.46	518.39	-268.39	27.50	-1.427e+04		4.173e+04
54	49	3.694e+04	1.296e+04	-8.48e-03	0.0	0.0	144.11	-494.79	245.37	-37.40	-1.864e+04		3.694e+04
		-2.814e+04	-1.864e+04	-0.19	0.0	64.3	171.54	-494.79	245.37	-37.40	-2838.48		4399.83
						128.7	198.96	-494.79	245.37	-37.40	1.296e+04		-2.814e+04
54	50	1.375e+04	9918.81	-0.02	0.0	0.0	-558.32	-79.81	188.61	-19.75	-1.434e+04		1.375e+04
		2144.91	-1.434e+04	-0.13	0.0	64.3	-530.89	-79.81	188.61	-19.75	-2209.77		7945.58
						128.7	-503.46	-79.81	188.61	-19.75	9918.81		2144.91
54	51	1.211e+04	1.619e+04	0.02	0.0	0.0	-595.58	107.36	-214.48	9.56	1.619e+04		-2949.09
		-2949.09	-1.140e+04	0.02	0.0	64.3	-568.15	107.36	-214.48	9.56	2393.00		4582.23
						128.7	-540.72	107.36	-214.48	9.56	-1.140e+04		1.211e+04
54	52	4.361e+04	2.002e+04	0.01	0.0	0.0	-1321.49	533.86	-264.19	28.49	2.002e+04		-2.641e+04
		-2.641e+04	-1.400e+04	0.09	0.0	64.3	-1294.07	533.86	-264.19	28.49	3013.67		8603.37
						128.7	-1266.64	533.86	-264.19	28.49	-1.400e+04		4.361e+04
54	53	3.696e+04	1.269e+04	0.02	0.0	0.0	180.29	-510.26	241.17	-38.38	-1.837e+04		3.696e+04
		-3.003e+04	-1.837e+04	-0.17	0.0	64.3	207.72	-510.26	241.17	-38.38	-2839.99		3464.17
						128.7	235.15	-510.26	241.17	-38.38	1.269e+04		-3.003e+04
54	54	1.350e+04	1.009e+04	0.02	0.0	0.0	-545.62	-83.76	191.46	-19.45	-1.453e+04		1.350e+04
		1472.63	-1.453e+04	-0.10	0.0	64.3	-518.20	-83.76	191.46	-19.45	-2219.33		7485.30
						128.7	-490.77	-83.76	191.46	-19.45	1.009e+04		1472.63
54	55	1.272e+04	1.596e+04	0.02	0.0	0.0	-607.32	113.12	-210.95	10.20	1.596e+04		-3081.14
		-3081.14	-1.118e+04	0.02	0.0	64.3	-579.90	113.12	-210.95	10.20	2388.98		4819.92
						128.7	-552.47	113.12	-210.95	10.20	-1.118e+04		1.272e+04
54	56	4.301e+04	2.025e+04	0.01	0.0	0.0	-1309.75	528.10	-267.72	27.84	2.025e+04		-2.627e+04
		-2.627e+04	-1.422e+04	0.09	0.0	64.3	-1282.32	528.10	-267.72	27.84	3017.69		8365.67
						128.7	-1254.89	528.10	-267.72	27.84	-1.422e+04		4.301e+04
54	57	3.682e+04	1.291e+04	0.02	0.0	0.0	168.55	-504.50	244.70	-37.74	-1.860e+04		3.682e+04
		-2.942e+04	-1.860e+04	-0.16	0.0	64.3	195.97	-504.50	244.70	-37.74	-2844.02		3701.86

						128.7	223.40	-504.50	244.70	-37.74	1.291e+04	-	
2.942e+04													
54	58	1.363e+04	9869.92	0.02	0.0	0.0	-533.88	-89.52	187.93	-20.10	-1.430e+04		
1.363e+04													
		865.20	-1.430e+04	-0.10	0.0	64.3	-506.45	-89.52	187.93	-20.10	-2215.31		
7247.61													
						128.7	-479.02	-89.52	187.93	-20.10	9869.92	865.20	
54	59	3.835e+04	45.19	0.04	0.0	0.0	530.21	-609.30	2.79	-29.41	-373.82		
3.835e+04													
		-3.977e+04	-373.82	-0.12	0.0	64.3	557.64	-609.30	2.79	-29.41	-164.32	-	
709.81													
						128.7	585.06	-609.30	2.79	-29.41	45.19	-	
3.977e+04													
54	60	6.523e+04	1.242e+04	0.02	0.0	0.0	-1889.51	812.36	-162.91	33.69	1.242e+04	-	
3.984e+04													
		-3.984e+04	-8608.02	0.12	0.0	64.3	-1862.08	812.36	-162.91	33.69	1904.56		
1.269e+04													
						128.7	-1834.65	812.36	-162.91	33.69	-8608.02		
6.523e+04													
54	61	5.039e+04	7300.55	0.02	0.0	0.0	748.31	-788.76	139.89	-43.59	-1.076e+04		
5.039e+04													
		-5.164e+04	-1.076e+04	-0.19	0.0	64.3	775.73	-788.76	139.89	-43.59	-1730.89	-	
626.45													
						128.7	803.16	-788.76	139.89	-43.59	7300.55	-	
5.164e+04													
54	62	5.336e+04	2028.64	-6.36e-03	0.0	0.0	-1671.41	632.90	-25.81	19.51	2028.64	-	
2.780e+04													
		-2.780e+04	-1352.67	0.04	0.0	64.3	-1643.98	632.90	-25.81	19.51	337.99		
1.278e+04													
						128.7	-1616.56	632.90	-25.81	19.51	-1352.67		
5.336e+04													
54	63	3.838e+04	59.86	0.03	0.0	0.0	522.88	-606.38	2.99	-29.31	-385.17		
3.838e+04													
		-3.939e+04	-385.17	-0.13	0.0	64.3	550.30	-606.38	2.99	-29.31	-162.65	-	
500.42													
						128.7	577.73	-606.38	2.99	-29.31	59.86	-	
3.939e+04													
54	64	6.561e+04	1.241e+04	7.44e-03	0.0	0.0	-1896.84	815.27	-162.70	33.79	1.241e+04	-	
3.981e+04													
		-3.981e+04	-8593.35	0.11	0.0	64.3	-1869.41	815.27	-162.70	33.79	1906.22		
1.290e+04													
						128.7	-1841.99	815.27	-162.70	33.79	-8593.35		
6.561e+04													
54	65	5.036e+04	7285.88	0.03	0.0	0.0	755.64	-791.67	139.69	-43.69	-1.075e+04		
5.036e+04													
		-5.203e+04	-1.075e+04	-0.18	0.0	64.3	783.07	-791.67	139.69	-43.69	-1732.55	-	
835.84													
						128.7	810.49	-791.67	139.69	-43.69	7285.88	-	
5.203e+04													
54	66	5.297e+04	2039.98	9.31e-03	0.0	0.0	-1664.08	629.98	-26.01	19.41	2039.98	-	
2.784e+04													
		-2.784e+04	-1367.33	0.05	0.0	64.3	-1636.65	629.98	-26.01	19.41	336.33		
1.257e+04													
						128.7	-1609.23	629.98	-26.01	19.41	-1367.33		
5.297e+04													
54	67	3.791e+04	784.29	0.04	0.0	0.0	491.06	-590.10	14.55	-27.26	-1139.74		
3.791e+04													
		-3.774e+04	-1139.74	-0.11	0.0	64.3	518.49	-590.10	14.55	-27.26	-177.72	82.49	
						128.7	545.91	-590.10	14.55	-27.26	784.29	-	
3.774e+04													
54	68	6.320e+04	1.318e+04	0.02	0.0	0.0	-1850.36	793.16	-174.67	31.54	1.318e+04	-	
3.940e+04													
		-3.940e+04	-9347.12	0.11	0.0	64.3	-1822.93	793.16	-174.67	31.54	1917.97		
1.190e+04													
						128.7	-1795.51	793.16	-174.67	31.54	-9347.12		
6.320e+04													
54	69	4.995e+04	8039.65	0.02	0.0	0.0	709.16	-769.56	151.65	-41.44	-1.153e+04		
4.995e+04													
		-4.962e+04	-1.153e+04	-0.18	0.0	64.3	736.58	-769.56	151.65	-41.44	-1744.30	165.85	
						128.7	764.01	-769.56	151.65	-41.44	8039.65	-	
4.962e+04													
54	70	5.133e+04	2794.55	-7.65e-03	0.0	0.0	-1632.26	613.70	-37.57	17.37	2794.55	-	

2.736e+04												
		-2.736e+04	-2091.76	0.03	0.0	64.3	-1604.83	613.70	-37.57	17.37	351.39	
1.199e+04												
						128.7	-1577.41	613.70	-37.57	17.37	-2091.76	
5.133e+04												
54	71	3.794e+04	798.96	0.03	0.0	0.0	483.73	-587.19	14.75	-27.16	-1151.08	
3.794e+04												
		-3.736e+04	-1151.08	-0.12	0.0	64.3	511.15	-587.19	14.75	-27.16	-176.06	291.88
						128.7	538.58	-587.19	14.75	-27.16	798.96	-
3.736e+04												
54	72	6.359e+04	1.317e+04	5.16e-03	0.0	0.0	-1857.69	796.07	-174.47	31.65	1.317e+04	-
3.937e+04												
		-3.937e+04	-9332.45	0.10	0.0	64.3	-1830.26	796.07	-174.47	31.65	1919.63	
1.211e+04												
						128.7	-1802.84	796.07	-174.47	31.65	-9332.45	
6.359e+04												
54	73	4.992e+04	8024.98	0.03	0.0	0.0	716.49	-772.47	151.45	-41.54	-1.152e+04	
4.992e+04												
		-5.000e+04	-1.152e+04	-0.17	0.0	64.3	743.92	-772.47	151.45	-41.54	-1745.96	-43.54
						128.7	771.34	-772.47	151.45	-41.54	8024.98	-
5.000e+04												
54	74	5.095e+04	2805.90	7.03e-03	0.0	0.0	-1624.93	610.79	-37.77	17.26	2805.90	-
2.740e+04												
		-2.740e+04	-2106.43	0.04	0.0	64.3	-1597.50	610.79	-37.77	17.26	349.73	
1.178e+04												
						128.7	-1570.08	610.79	-37.77	17.26	-2106.43	
5.095e+04												
54	75	1.013e+04	1.356e+04	0.04	0.0	0.0	-571.11	82.90	-179.91	6.76	1.356e+04	-
1644.49												
		-1644.49	-9580.21	0.03	0.0	64.3	-543.69	82.90	-179.91	6.76	1989.15	
4244.42												
						128.7	-516.26	82.90	-179.91	6.76	-9580.21	
1.013e+04												
54	76	3.617e+04	1.673e+04	0.04	0.0	0.0	-1171.03	435.40	-221.01	22.41	1.673e+04	-
2.103e+04												
		-2.103e+04	-1.173e+04	0.09	0.0	64.3	-1143.60	435.40	-221.01	22.41	2502.28	
7566.84												
						128.7	-1116.17	435.40	-221.01	22.41	-1.173e+04	
3.617e+04												
54	77	3.158e+04	1.042e+04	-4.46e-03	0.0	0.0	29.83	-411.80	198.00	-32.30	-1.508e+04	
3.158e+04												
		-2.258e+04	-1.508e+04	-0.17	0.0	64.3	57.25	-411.80	198.00	-32.30	-2328.61	
4500.69												
						128.7	84.68	-411.80	198.00	-32.30	1.042e+04	-
2.258e+04												
54	78	1.219e+04	8272.74	-9.20e-03	0.0	0.0	-570.09	-59.30	156.89	-16.66	-1.190e+04	
1.219e+04												
		3452.86	-1.190e+04	-0.11	0.0	64.3	-542.66	-59.30	156.89	-16.66	-1815.48	
7823.11												
						128.7	-515.24	-59.30	156.89	-16.66	8272.74	
3452.86												
54	79	1.064e+04	1.337e+04	0.05	0.0	0.0	-580.82	87.66	-176.99	7.29	1.337e+04	-
1753.82												
		-1753.82	-9396.95	0.04	0.0	64.3	-553.39	87.66	-176.99	7.29	1985.81	
4440.79												
						128.7	-525.96	87.66	-176.99	7.29	-9396.95	
1.064e+04												
54	80	3.566e+04	1.692e+04	0.04	0.0	0.0	-1161.32	430.64	-223.93	21.87	1.692e+04	-
2.092e+04												
		-2.092e+04	-1.191e+04	0.09	0.0	64.3	-1133.90	430.64	-223.93	21.87	2505.62	
7370.46												
						128.7	-1106.47	430.64	-223.93	21.87	-1.191e+04	
3.566e+04												
54	81	3.147e+04	1.060e+04	-4.03e-03	0.0	0.0	20.12	-407.03	200.91	-31.77	-1.527e+04	
3.147e+04												
		-2.208e+04	-1.527e+04	-0.17	0.0	64.3	47.55	-407.03	200.91	-31.77	-2331.95	
4697.07												
						128.7	74.97	-407.03	200.91	-31.77	1.060e+04	-
2.208e+04												
54	82	1.230e+04	8089.47	-9.74e-03	0.0	0.0	-560.38	-64.06	153.98	-17.19	-1.171e+04	
1.230e+04												
		2950.77	-1.171e+04	-0.11	0.0	64.3	-532.96	-64.06	153.98	-17.19	-1812.14	

7626.74												
						128.7	-505.53	-64.06	153.98	-17.19	8089.47	
2950.77												
54	83	1.119e+04	1.353e+04	0.02	0.0	0.0	-591.30	90.90	-179.34	7.04	1.353e+04	-
1545.29												
		-1545.29	-9538.98	9.94e-03	0.0	64.3	-563.87	90.90	-179.34	7.04	1993.57	
4822.54												
						128.7	-536.45	90.90	-179.34	7.04	-9538.98	
1.119e+04												
54	84	3.722e+04	1.670e+04	0.01	0.0	0.0	-1191.22	443.39	-220.44	22.69	1.670e+04	-
2.093e+04												
		-2.093e+04	-1.169e+04	0.07	0.0	64.3	-1163.79	443.39	-220.44	22.69	2506.70	
8144.96												
						128.7	-1136.36	443.39	-220.44	22.69	-1.169e+04	
3.722e+04												
54	85	3.148e+04	1.038e+04	0.02	0.0	0.0	50.01	-419.79	197.42	-32.58	-1.504e+04	
3.148e+04												
		-2.364e+04	-1.504e+04	-0.14	0.0	64.3	77.44	-419.79	197.42	-32.58	-2333.03	
3922.57												
						128.7	104.87	-419.79	197.42	-32.58	1.038e+04	-
2.364e+04												
54	86	1.209e+04	8231.51	0.02	0.0	0.0	-549.90	-67.30	156.32	-16.94	-1.187e+04	
1.209e+04												
		2395.81	-1.187e+04	-0.09	0.0	64.3	-522.47	-67.30	156.32	-16.94	-1819.90	
7244.99												
						128.7	-495.05	-67.30	156.32	-16.94	8231.51	
2395.81												
54	87	1.169e+04	1.334e+04	0.02	0.0	0.0	-601.01	95.66	-176.42	7.57	1.334e+04	-
1654.62												
		-1654.62	-9355.72	0.01	0.0	64.3	-573.58	95.66	-176.42	7.57	1990.23	
5018.92												
						128.7	-546.15	95.66	-176.42	7.57	-9355.72	
1.169e+04												
54	88	3.672e+04	1.689e+04	0.01	0.0	0.0	-1181.51	438.63	-223.36	22.15	1.689e+04	-
2.082e+04												
		-2.082e+04	-1.187e+04	0.07	0.0	64.3	-1154.08	438.63	-223.36	22.15	2510.04	
7948.59												
						128.7	-1126.66	438.63	-223.36	22.15	-1.187e+04	
3.672e+04												
54	89	3.137e+04	1.056e+04	0.02	0.0	0.0	40.31	-415.03	200.34	-32.05	-1.523e+04	
3.137e+04												
		-2.314e+04	-1.523e+04	-0.14	0.0	64.3	67.73	-415.03	200.34	-32.05	-2336.37	
4118.94												
						128.7	95.16	-415.03	200.34	-32.05	1.056e+04	-
2.314e+04												
54	90	1.220e+04	8048.25	0.02	0.0	0.0	-540.20	-72.06	153.40	-17.47	-1.168e+04	
1.220e+04												
		1893.73	-1.168e+04	-0.09	0.0	64.3	-512.77	-72.06	153.40	-17.47	-1816.55	
7048.61												
						128.7	-485.34	-72.06	153.40	-17.47	8048.25	
1893.73												
54	91	3.260e+04	-75.89	0.03	0.0	0.0	339.12	-501.49	0.31	-25.17	-165.53	
3.260e+04												
		-3.169e+04	-165.53	-0.10	0.0	64.3	366.55	-501.49	0.31	-25.17	-120.71	457.96
						128.7	393.97	-501.49	0.31	-25.17	-75.89	-
3.169e+04												
54	92	5.509e+04	1.041e+04	0.02	0.0	0.0	-1660.60	673.50	-136.70	26.99	1.041e+04	-
3.202e+04												
		-3.202e+04	-7231.46	0.09	0.0	64.3	-1633.18	673.50	-136.70	26.99	1589.71	
1.153e+04												
						128.7	-1605.75	673.50	-136.70	26.99	-7231.46	
5.509e+04												
54	93	4.257e+04	5923.99	0.02	0.0	0.0	519.40	-649.90	113.68	-36.88	-8756.07	
4.257e+04												
		-4.150e+04	-8756.07	-0.16	0.0	64.3	546.83	-649.90	113.68	-36.88	-1416.04	534.84
						128.7	574.25	-649.90	113.68	-36.88	5923.99	-
4.150e+04												
54	94	4.528e+04	1820.34	-3.71e-03	0.0	0.0	-1480.32	525.09	-23.33	15.27	1820.34	-
2.206e+04												
		-2.206e+04	-1231.58	0.03	0.0	64.3	-1452.89	525.09	-23.33	15.27	294.38	
1.161e+04												
						128.7	-1425.47	525.09	-23.33	15.27	-1231.58	

4.528e+04												
54	95	3.263e+04	-63.53	0.02	0.0	0.0	333.06	-499.09	0.48	-25.08	-175.25	
3.263e+04												
		-3.137e+04	-175.25	-0.11	0.0	64.3	360.49	-499.09	0.48	-25.08	-119.39	631.39
						128.7	387.92	-499.09	0.48	-25.08	-63.53	-
3.137e+04												
54	96	5.541e+04	1.040e+04	9.23e-03	0.0	0.0	-1666.66	675.90	-136.53	27.07	1.040e+04	-
3.199e+04												
		-3.199e+04	-7219.09	0.08	0.0	64.3	-1639.23	675.90	-136.53	27.07	1591.04	
1.171e+04												
						128.7	-1611.80	675.90	-136.53	27.07	-7219.09	
5.541e+04												
54	97	4.254e+04	5911.62	0.03	0.0	0.0	525.46	-652.30	113.51	-36.97	-8746.35	
4.254e+04												
		-4.182e+04	-8746.35	-0.16	0.0	64.3	552.88	-652.30	113.51	-36.97	-1417.36	361.40
						128.7	580.31	-652.30	113.51	-36.97	5911.62	-
4.182e+04												
54	98	4.496e+04	1830.06	0.01	0.0	0.0	-1474.27	522.69	-23.50	15.19	1830.06	-
2.209e+04												
		-2.209e+04	-1243.95	0.04	0.0	64.3	-1446.84	522.69	-23.50	15.19	293.06	
1.144e+04												
						128.7	-1419.41	522.69	-23.50	15.19	-1243.95	
4.496e+04												
54	99	3.224e+04	534.98	0.04	0.0	0.0	306.76	-485.62	10.03	-23.39	-798.69	
3.224e+04												
		-3.002e+04	-798.69	-0.10	0.0	64.3	334.19	-485.62	10.03	-23.39	-131.86	
1112.54												
						128.7	361.62	-485.62	10.03	-23.39	534.98	-
3.002e+04												
54	100	5.342e+04	1.104e+04	0.02	0.0	0.0	-1628.25	657.63	-146.42	25.21	1.104e+04	-
3.166e+04												
		-3.166e+04	-7842.33	0.08	0.0	64.3	-1600.82	657.63	-146.42	25.21	1600.86	
1.088e+04												
						128.7	-1573.39	657.63	-146.42	25.21	-7842.33	
5.342e+04												
54	101	4.221e+04	6534.86	0.02	0.0	0.0	487.05	-634.03	123.40	-35.11	-9389.23	
4.221e+04												
		-3.983e+04	-9389.23	-0.16	0.0	64.3	514.47	-634.03	123.40	-35.11	-1427.19	
1189.42												
						128.7	541.90	-634.03	123.40	-35.11	6534.86	-
3.983e+04												
54	102	4.360e+04	2453.51	-4.61e-03	0.0	0.0	-1447.97	509.22	-33.05	13.50	2453.51	-
2.169e+04												
		-2.169e+04	-1842.45	0.02	0.0	64.3	-1420.54	509.22	-33.05	13.50	305.53	
1.095e+04												
						128.7	-1393.11	509.22	-33.05	13.50	-1842.45	
4.360e+04												
54	103	3.227e+04	547.35	0.03	0.0	0.0	300.71	-483.22	10.20	-23.31	-808.41	
3.227e+04												
		-2.970e+04	-808.41	-0.11	0.0	64.3	328.13	-483.22	10.20	-23.31	-130.53	
1285.98												
						128.7	355.56	-483.22	10.20	-23.31	547.35	-
2.970e+04												
54	104	5.373e+04	1.103e+04	7.35e-03	0.0	0.0	-1634.31	660.03	-146.25	25.30	1.103e+04	-
3.163e+04												
		-3.163e+04	-7829.97	0.08	0.0	64.3	-1606.88	660.03	-146.25	25.30	1602.18	
1.105e+04												
						128.7	-1579.45	660.03	-146.25	25.30	-7829.97	
5.373e+04												
54	105	4.218e+04	6522.49	0.03	0.0	0.0	493.10	-636.42	123.23	-35.19	-9379.52	
4.218e+04												
		-4.015e+04	-9379.52	-0.15	0.0	64.3	520.53	-636.42	123.23	-35.19	-1428.51	
1015.98												
						128.7	547.96	-636.42	123.23	-35.19	6522.49	-
4.015e+04												
54	106	4.328e+04	2463.23	8.93e-03	0.0	0.0	-1441.91	506.82	-33.22	13.41	2463.23	-
2.172e+04												
		-2.172e+04	-1854.82	0.03	0.0	64.3	-1414.48	506.82	-33.22	13.41	304.20	
1.078e+04												
						128.7	-1387.06	506.82	-33.22	13.41	-1854.82	
4.328e+04												
57	1	292.63	338.40	4.98e-04	0.0	0.0	-26.21	-48.25	-10.55	-8.32	338.40	292.63

		-1481.63	-49.58	8.90e-03	0.0	18.4	-20.95	-48.25	-10.55	-8.32	144.41	-594.50
						36.8	-15.70	-48.25	-10.55	-8.32	-49.58	-1481.63
57	2	-1954.06	-203.82	4.34e-03	0.0	0.0	-288.88	0.36	45.93	-30.28	-1892.62	-1967.25
		-1967.25	-1892.62	0.04	0.0	18.4	-283.63	0.36	45.93	-30.28	-1048.22	-1960.66
						36.8	-278.37	0.36	45.93	-30.28	-203.82	-1954.06
57	3	267.75	302.41	3.10e-04	0.0	0.0	-15.20	-38.04	-9.18	-5.99	302.41	267.75
		-1130.80	-35.23	6.25e-03	0.0	18.4	-11.16	-38.04	-9.18	-5.99	133.59	-431.53
						36.8	-7.12	-38.04	-9.18	-5.99	-35.23	-1130.80
57	4	-1603.23	-189.46	4.15e-03	0.0	0.0	-277.88	10.58	47.30	-27.94	-1928.61	-1992.13
		-1992.13	-1928.61	0.04	0.0	18.4	-273.84	10.58	47.30	-27.94	-1059.04	-1797.68
						36.8	-269.79	10.58	47.30	-27.94	-189.46	-1603.23
57	5	243.64	278.61	3.51e-04	0.0	0.0	-18.00	-37.52	-8.58	-6.22	278.61	243.64
		-1135.84	-36.87	6.59e-03	0.0	18.4	-13.96	-37.52	-8.58	-6.22	120.87	-446.10
						36.8	-9.92	-37.52	-8.58	-6.22	-36.87	-1135.84
57	6	-1262.94	-139.70	2.91e-03	0.0	0.0	-193.12	-5.11	29.07	-20.86	-1208.73	-1262.94
		-1450.79	-1208.73	0.03	0.0	18.4	-189.08	-5.11	29.07	-20.86	-674.22	-1356.87
						36.8	-185.04	-5.11	29.07	-20.86	-139.70	-1450.79
57	7	243.64	278.61	3.51e-04	0.0	0.0	-18.00	-37.52	-8.58	-6.22	278.61	243.64
		-1135.84	-36.87	6.59e-03	0.0	18.4	-13.96	-37.52	-8.58	-6.22	120.87	-446.10
						36.8	-9.92	-37.52	-8.58	-6.22	-36.87	-1135.84
57	8	-810.97	-108.85	2.14e-03	0.0	0.0	-140.59	-14.83	17.78	-16.47	-762.53	-810.97
		-1356.31	-762.53	0.02	0.0	18.4	-136.54	-14.83	17.78	-16.47	-435.69	-1083.64
						36.8	-132.50	-14.83	17.78	-16.47	-108.85	-1356.31
57	9	243.64	278.61	3.51e-04	0.0	0.0	-18.00	-37.52	-8.58	-6.22	278.61	243.64
		-1135.84	-36.87	6.59e-03	0.0	18.4	-13.96	-37.52	-8.58	-6.22	120.87	-446.10
						36.8	-9.92	-37.52	-8.58	-6.22	-36.87	-1135.84
57	10	-660.31	-98.57	1.89e-03	0.0	0.0	-123.07	-18.07	14.01	-15.00	-613.80	-660.31
		-1324.81	-613.80	0.02	0.0	18.4	-119.03	-18.07	14.01	-15.00	-356.18	-992.56
						36.8	-114.99	-18.07	14.01	-15.00	-98.57	-1324.81
57	11	1.972e+04	2.085e+04	-0.02	0.0	0.0	131.20	-427.51	-583.88	-101.39	2.085e+04	1.972e+04
		-58.46	-625.14	0.11	0.0	18.4	135.24	-427.51	-583.88	-101.39	1.011e+04	9832.53
						36.8	139.28	-427.51	-583.88	-101.39	-625.14	-58.46
57	12	2.264e+04	3241.07	-0.03	0.0	0.0	-672.87	636.45	-97.51	-18.87	3241.07	2885.17
		2885.17	-345.12	0.12	0.0	18.4	-668.83	636.45	-97.51	-18.87	1447.97	1.276e+04
						36.8	-664.79	636.45	-97.51	-18.87	-345.12	2.264e+04
57	13	-4205.79	147.99	0.03	0.0	0.0	426.72	-672.60	125.54	-11.14	-4468.66	-4205.79
		-2.529e+04	-4468.66	-0.08	0.0	18.4	430.76	-672.60	125.54	-11.14	-2160.34	-1.475e+04
						36.8	434.80	-672.60	125.54	-11.14	147.99	-2.529e+04
57	14	-2591.17	428.01	0.02	0.0	0.0	-377.35	391.36	611.90	71.38	-2.208e+04	-

2.104e+04												
		-2.104e+04	-2.208e+04	-0.07	0.0	18.4	-373.31	391.36	611.90	71.38	-1.082e+04	-
1.182e+04												
						36.8	-369.27	391.36	611.90	71.38	428.01	-
2591.17												
57	15	2.052e+04	2.169e+04	-0.02	0.0	0.0	128.88	-434.01	-607.33	-102.64	2.169e+04	
2.052e+04												
		445.01	-648.35	0.11	0.0	18.4	132.92	-434.01	-607.33	-102.64	1.052e+04	
1.048e+04												
						36.8	136.96	-434.01	-607.33	-102.64	-648.35	445.01
57	16	2.213e+04	2402.27	-0.03	0.0	0.0	-670.55	642.95	-74.06	-17.63	2402.27	
2091.93												
		2091.93	-321.91	0.12	0.0	18.4	-666.51	642.95	-74.06	-17.63	1040.18	
1.211e+04												
						36.8	-662.47	642.95	-74.06	-17.63	-321.91	
2.213e+04												
57	17	-3412.55	124.77	0.03	0.0	0.0	424.40	-679.10	102.09	-12.38	-3629.86	-
3412.55												
		-2.478e+04	-3629.86	-0.08	0.0	18.4	428.44	-679.10	102.09	-12.38	-1752.54	-
1.410e+04												
						36.8	432.48	-679.10	102.09	-12.38	124.77	-
2.478e+04												
57	18	-3094.63	451.22	0.02	0.0	0.0	-375.03	397.87	635.35	72.63	-2.292e+04	-
2.184e+04												
		-2.184e+04	-2.292e+04	-0.07	0.0	18.4	-370.99	397.87	635.35	72.63	-1.123e+04	-
1.247e+04												
						36.8	-366.95	397.87	635.35	72.63	451.22	-
3094.63												
57	19	1.980e+04	2.094e+04	-0.02	0.0	0.0	124.53	-465.50	-586.91	-100.28	2.094e+04	
1.980e+04												
		987.05	-641.38	0.11	0.0	18.4	128.57	-465.50	-586.91	-100.28	1.015e+04	
1.039e+04												
						36.8	132.61	-465.50	-586.91	-100.28	-641.38	987.05
57	20	2.368e+04	3334.88	-0.03	0.0	0.0	-679.54	598.46	-100.54	-17.76	3334.88	
2962.50												
		2962.50	-361.36	0.13	0.0	18.4	-675.50	598.46	-100.54	-17.76	1486.76	
1.332e+04												
						36.8	-671.46	598.46	-100.54	-17.76	-361.36	
2.368e+04												
57	21	-4283.11	164.22	0.03	0.0	0.0	433.40	-634.61	128.57	-12.25	-4562.47	-
4283.11												
		-2.633e+04	-4562.47	-0.09	0.0	18.4	437.44	-634.61	128.57	-12.25	-2199.12	-
1.531e+04												
						36.8	441.48	-634.61	128.57	-12.25	164.22	-
2.633e+04												
57	22	-3636.68	444.24	0.02	0.0	0.0	-370.68	429.35	614.93	70.27	-2.217e+04	-
2.112e+04												
		-2.112e+04	-2.217e+04	-0.07	0.0	18.4	-366.63	429.35	614.93	70.27	-1.086e+04	-
1.238e+04												
						36.8	-362.59	429.35	614.93	70.27	444.24	-
3636.68												
57	23	2.059e+04	2.178e+04	-0.02	0.0	0.0	122.21	-472.00	-610.36	-101.53	2.178e+04	
2.059e+04												
		1490.52	-664.59	0.11	0.0	18.4	126.25	-472.00	-610.36	-101.53	1.056e+04	
1.104e+04												
						36.8	130.29	-472.00	-610.36	-101.53	-664.59	
1490.52												
57	24	2.318e+04	2496.08	-0.03	0.0	0.0	-677.22	604.96	-77.09	-16.51	2496.08	
2169.25												
		2169.25	-338.15	0.12	0.0	18.4	-673.18	604.96	-77.09	-16.51	1078.97	
1.267e+04												
						36.8	-669.14	604.96	-77.09	-16.51	-338.15	
2.318e+04												
57	25	-3489.87	141.01	0.03	0.0	0.0	431.08	-641.11	105.12	-13.49	-3723.67	-
3489.87												
		-2.583e+04	-3723.67	-0.08	0.0	18.4	435.12	-641.11	105.12	-13.49	-1791.33	-
1.466e+04												
						36.8	439.16	-641.11	105.12	-13.49	141.01	-
2.583e+04												
57	26	-4140.14	467.46	0.02	0.0	0.0	-368.36	435.85	638.38	71.52	-2.301e+04	-
2.191e+04												
		-2.191e+04	-2.301e+04	-0.08	0.0	18.4	-364.31	435.85	638.38	71.52	-1.127e+04	-

1.303e+04													
						36.8	-360.27	435.85	638.38	71.52	467.46	-	
4140.14													
57	27	3.099e+04	3.253e+04	0.01	0.0	0.0	1172.72	-1754.58	-903.01	-166.08	3.253e+04		
3.099e+04													
		-3.537e+04	-681.24	0.02	0.0	18.4	1176.76	-1754.58	-903.01	-166.08	1.593e+04	-	
2186.53													
						36.8	1180.80	-1754.58	-903.01	-166.08	-681.24	-	
3.537e+04													
57	28	4.028e+04	252.16	-0.02	0.0	0.0	-1507.52	1791.96	718.21	108.99	-2.616e+04	-	
2.513e+04													
		-2.513e+04	-2.616e+04	0.07	0.0	18.4	-1503.48	1791.96	718.21	108.99	-1.296e+04		
7575.00													
						36.8	-1499.44	1791.96	718.21	108.99	252.16		
4.028e+04													
57	29	2.381e+04	2.494e+04	0.03	0.0	0.0	1261.37	-1828.10	-690.19	-139.00	2.494e+04		
2.381e+04													
		-4.293e+04	-449.30	-0.03	0.0	18.4	1265.41	-1828.10	-690.19	-139.00	1.224e+04	-	
9560.12													
						36.8	1269.46	-1828.10	-690.19	-139.00	-449.30	-	
4.293e+04													
57	30	3.272e+04	484.10	-9.02e-03	0.0	0.0	-1418.86	1718.43	931.04	136.07	-3.376e+04	-	
3.231e+04													
		-3.231e+04	-3.376e+04	0.02	0.0	18.4	-1414.82	1718.43	931.04	136.07	-1.664e+04	201.41	
						36.8	-1410.78	1718.43	931.04	136.07	484.10		
3.272e+04													
57	31	3.102e+04	3.256e+04	0.01	0.0	0.0	1170.72	-1765.97	-903.92	-165.74	3.256e+04		
3.102e+04													
		-3.505e+04	-686.11	0.03	0.0	18.4	1174.76	-1765.97	-903.92	-165.74	1.594e+04	-	
2018.10													
						36.8	1178.80	-1765.97	-903.92	-165.74	-686.11	-	
3.505e+04													
57	32	4.060e+04	247.29	-0.02	0.0	0.0	-1509.52	1780.56	717.30	109.33	-2.614e+04	-	
2.511e+04													
		-2.511e+04	-2.614e+04	0.07	0.0	18.4	-1505.48	1780.56	717.30	109.33	-1.294e+04		
7743.43													
						36.8	-1501.44	1780.56	717.30	109.33	247.29		
4.060e+04													
57	33	2.379e+04	2.491e+04	0.03	0.0	0.0	1263.38	-1816.71	-689.28	-139.33	2.491e+04		
2.379e+04													
		-4.325e+04	-444.43	-0.03	0.0	18.4	1267.42	-1816.71	-689.28	-139.33	1.223e+04	-	
9728.55													
						36.8	1271.46	-1816.71	-689.28	-139.33	-444.43	-	
4.325e+04													
57	34	3.240e+04	488.97	-8.68e-03	0.0	0.0	-1416.86	1729.83	931.95	135.74	-3.379e+04	-	
3.234e+04													
		-3.234e+04	-3.379e+04	0.02	0.0	18.4	-1412.82	1729.83	931.95	135.74	-1.665e+04	32.98	
						36.8	-1408.78	1729.83	931.95	135.74	488.97		
3.240e+04													
57	35	3.364e+04	3.533e+04	0.01	0.0	0.0	1164.98	-1776.25	-981.18	-170.23	3.533e+04		
3.364e+04													
		-3.369e+04	-758.61	0.03	0.0	18.4	1169.03	-1776.25	-981.18	-170.23	1.728e+04	-25.35	
						36.8	1173.07	-1776.25	-981.18	-170.23	-758.61	-	
3.369e+04													
57	36	3.861e+04	329.54	-0.02	0.0	0.0	-1499.79	1813.63	796.38	113.15	-2.896e+04	-	
2.778e+04													
		-2.778e+04	-2.896e+04	0.06	0.0	18.4	-1495.75	1813.63	796.38	113.15	-1.431e+04		
5413.82													
						36.8	-1491.71	1813.63	796.38	113.15	329.54		
3.861e+04													
57	37	2.646e+04	2.773e+04	0.02	0.0	0.0	1253.64	-1849.77	-768.35	-143.15	2.773e+04		
2.646e+04													
		-4.126e+04	-526.67	-0.02	0.0	18.4	1257.68	-1849.77	-768.35	-143.15	1.360e+04	-	
7398.94													
						36.8	1261.72	-1849.77	-768.35	-143.15	-526.67	-	
4.126e+04													
57	38	3.104e+04	561.48	-7.08e-03	0.0	0.0	-1411.13	1740.10	1009.20	140.22	-3.655e+04	-	
3.496e+04													
		-3.496e+04	-3.655e+04	0.02	0.0	18.4	-1407.09	1740.10	1009.20	140.22	-1.800e+04	-	
1959.77													
						36.8	-1403.05	1740.10	1009.20	140.22	561.48		
3.104e+04													

57	39	3.366e+04	3.536e+04	0.01	0.0	0.0	1162.98	-1787.64	-982.09	-169.90	3.536e+04	3.366e+04
		-3.337e+04	-763.48	0.03	0.0	18.4	1167.02	-1787.64	-982.09	-169.90	1.730e+04	143.08
						36.8	1171.06	-1787.64	-982.09	-169.90	-763.48	-3.337e+04
57	40	3.892e+04	324.67	-0.02	0.0	0.0	-1501.79	1802.23	795.47	113.48	-2.893e+04	-2.776e+04
		-2.776e+04	-2.893e+04	0.06	0.0	18.4	-1497.75	1802.23	795.47	113.48	-1.430e+04	5582.24
						36.8	-1493.71	1802.23	795.47	113.48	324.67	3.892e+04
57	41	2.644e+04	2.770e+04	0.03	0.0	0.0	1255.64	-1838.38	-767.45	-143.49	2.770e+04	2.644e+04
		-4.157e+04	-521.80	-0.03	0.0	18.4	1259.68	-1838.38	-767.45	-143.49	1.359e+04	-7567.37
						36.8	1263.72	-1838.38	-767.45	-143.49	-521.80	-4.157e+04
57	42	3.072e+04	566.35	-6.74e-03	0.0	0.0	-1409.13	1751.50	1010.11	139.89	-3.658e+04	-3.498e+04
		-3.498e+04	-3.658e+04	0.01	0.0	18.4	-1405.09	1751.50	1010.11	139.89	-1.801e+04	-2128.20
						36.8	-1401.05	1751.50	1010.11	139.89	566.35	3.072e+04
57	43	1.548e+04	1.638e+04	-0.01	0.0	0.0	79.09	-342.70	-459.34	-83.33	1.638e+04	1.548e+04
		-318.68	-514.75	0.09	0.0	18.4	83.14	-342.70	-459.34	-83.33	7932.15	7579.76
						36.8	87.18	-342.70	-459.34	-83.33	-514.75	-318.68
57	44	1.765e+04	2437.89	-0.02	0.0	0.0	-557.79	499.75	-74.26	-17.93	2437.89	2146.88
		2146.88	-293.05	0.10	0.0	18.4	-553.75	499.75	-74.26	-17.93	1072.42	9898.89
						36.8	-549.71	499.75	-74.26	-17.93	-293.05	1.765e+04
57	45	-3467.49	95.91	0.02	0.0	0.0	311.64	-535.90	102.29	-12.07	-3665.48	-3467.49
		-2.030e+04	-3665.48	-0.06	0.0	18.4	315.68	-535.90	102.29	-12.07	-1784.78	-1.188e+04
						36.8	319.72	-535.90	102.29	-12.07	95.91	-2.030e+04
57	46	-2330.95	317.62	0.02	0.0	0.0	-325.24	306.55	487.37	53.32	-1.761e+04	-1.680e+04
		-1.680e+04	-1.761e+04	-0.05	0.0	18.4	-321.20	306.55	487.37	53.32	-8644.51	-9564.88
						36.8	-317.16	306.55	487.37	53.32	317.62	-2330.95
57	47	1.611e+04	1.704e+04	-0.01	0.0	0.0	77.25	-347.87	-477.94	-84.32	1.704e+04	1.611e+04
		80.08	-533.16	0.09	0.0	18.4	81.29	-347.87	-477.94	-84.32	8255.71	8093.83
						36.8	85.33	-347.87	-477.94	-84.32	-533.16	80.08
57	48	1.725e+04	1772.37	-0.02	0.0	0.0	-555.94	504.93	-55.66	-16.95	1772.37	1517.49
		1517.49	-274.65	0.10	0.0	18.4	-551.90	504.93	-55.66	-16.95	748.86	9384.82
						36.8	-547.86	504.93	-55.66	-16.95	-274.65	1.725e+04
57	49	-2838.11	77.51	0.02	0.0	0.0	309.80	-541.07	83.68	-13.06	-2999.96	-2838.11
		-1.990e+04	-2999.96	-0.06	0.0	18.4	313.84	-541.07	83.68	-13.06	-1461.23	-1.137e+04
						36.8	317.88	-541.07	83.68	-13.06	77.51	-1.990e+04
57	50	-2729.71	336.02	0.02	0.0	0.0	-323.40	311.73	505.97	54.31	-1.827e+04	-1.743e+04
		-1.743e+04	-1.827e+04	-0.05	0.0	18.4	-319.36	311.73	505.97	54.31	-8968.07	-1.008e+04
						36.8	-315.32	311.73	505.97	54.31	336.02	-2729.71
57	51	1.554e+04	1.645e+04	-0.01	0.0	0.0	73.76	-372.96	-461.70	-82.40	1.645e+04	1.554e+04

		510.92	-527.68	0.09	0.0	18.4	77.80	-372.96	-461.70	-82.40	7962.08	
8024.46												
						36.8	81.84	-372.96	-461.70	-82.40	-527.68	510.92
57	52	1.848e+04	2510.67	-0.02	0.0	0.0	-563.12	469.48	-76.62	-17.00	2510.67	
2206.69												
		2206.69	-305.97	0.10	0.0	18.4	-559.08	469.48	-76.62	-17.00	1102.35	
1.034e+04												
						36.8	-555.04	469.48	-76.62	-17.00	-305.97	
1.848e+04												
57	53	-3527.31	108.84	0.03	0.0	0.0	316.98	-505.63	104.64	-13.01	-3738.27	-
3527.31												
		-2.113e+04	-3738.27	-0.06	0.0	18.4	321.02	-505.63	104.64	-13.01	-1814.71	-
1.233e+04												
						36.8	325.06	-505.63	104.64	-13.01	108.84	-
2.113e+04												
57	54	-3160.54	330.54	0.02	0.0	0.0	-319.91	336.82	489.72	52.39	-1.768e+04	-
1.686e+04												
		-1.686e+04	-1.768e+04	-0.05	0.0	18.4	-315.86	336.82	489.72	52.39	-8674.45	-
1.001e+04												
						36.8	-311.82	336.82	489.72	52.39	330.54	-
3160.54												
57	55	1.617e+04	1.712e+04	-0.01	0.0	0.0	71.91	-378.14	-480.30	-83.39	1.712e+04	
1.617e+04												
		909.67	-546.08	0.09	0.0	18.4	75.96	-378.14	-480.30	-83.39	8285.64	
8538.54												
						36.8	80.00	-378.14	-480.30	-83.39	-546.08	909.67
57	56	1.808e+04	1845.16	-0.02	0.0	0.0	-561.28	474.66	-58.02	-16.01	1845.16	
1577.31												
		1577.31	-287.57	0.10	0.0	18.4	-557.24	474.66	-58.02	-16.01	778.79	
9829.52												
						36.8	-553.20	474.66	-58.02	-16.01	-287.57	
1.808e+04												
57	57	-2897.92	90.44	0.03	0.0	0.0	315.13	-510.80	86.04	-13.99	-3072.75	-
2897.92												
		-2.073e+04	-3072.75	-0.06	0.0	18.4	319.17	-510.80	86.04	-13.99	-1491.16	-
1.181e+04												
						36.8	323.22	-510.80	86.04	-13.99	90.44	-
2.073e+04												
57	58	-3559.30	348.94	0.02	0.0	0.0	-318.06	341.99	508.33	53.38	-1.834e+04	-
1.749e+04												
		-1.749e+04	-1.834e+04	-0.06	0.0	18.4	-314.02	341.99	508.33	53.38	-8998.00	-
1.052e+04												
						36.8	-309.98	341.99	508.33	53.38	348.94	-
3559.30												
57	59	2.440e+04	2.563e+04	0.01	0.0	0.0	903.52	-1393.17	-712.03	-134.69	2.563e+04	
2.440e+04												
		-2.828e+04	-559.67	0.02	0.0	18.4	907.56	-1393.17	-712.03	-134.69	1.253e+04	-
1938.21												
						36.8	911.60	-1393.17	-712.03	-134.69	-559.67	-
2.828e+04												
57	60	3.162e+04	179.34	-0.02	0.0	0.0	-1219.43	1414.99	571.57	83.30	-2.084e+04	-
2.004e+04												
		-2.004e+04	-2.084e+04	0.06	0.0	18.4	-1215.39	1414.99	571.57	83.30	-1.033e+04	
5792.22												
						36.8	-1211.35	1414.99	571.57	83.30	179.34	
3.162e+04												
57	61	1.872e+04	1.961e+04	0.02	0.0	0.0	973.28	-1451.13	-543.54	-113.31	1.961e+04	
1.872e+04												
		-3.427e+04	-376.47	-0.02	0.0	18.4	977.32	-1451.13	-543.54	-113.31	9619.16	-
7777.34												
						36.8	981.36	-1451.13	-543.54	-113.31	-376.47	-
3.427e+04												
57	62	2.563e+04	362.54	-6.75e-03	0.0	0.0	-1149.66	1357.03	740.05	104.68	-2.686e+04	-
2.572e+04												
		-2.572e+04	-2.686e+04	0.02	0.0	18.4	-1145.62	1357.03	740.05	104.68	-1.325e+04	-46.91
						36.8	-1141.58	1357.03	740.05	104.68	362.54	
2.563e+04												
57	63	2.442e+04	2.565e+04	0.01	0.0	0.0	901.92	-1402.25	-712.74	-134.41	2.565e+04	
2.442e+04												
		-2.803e+04	-563.55	0.02	0.0	18.4	905.96	-1402.25	-712.74	-134.41	1.254e+04	-
1804.80												
						36.8	910.00	-1402.25	-712.74	-134.41	-563.55	-

2.803e+04													
57	64	3.187e+04	175.46	-0.02	0.0	0.0	-1221.03	1405.91	570.86	83.58	-2.082e+04	-	
2.002e+04													
		-2.002e+04	-2.082e+04	0.06	0.0	18.4	-1216.99	1405.91	570.86	83.58	-1.032e+04		
5925.63													
						36.8	-1212.95	1405.91	570.86	83.58	175.46		
3.187e+04													
57	65	1.870e+04	1.959e+04	0.02	0.0	0.0	974.88	-1442.05	-542.83	-113.59	1.959e+04		
1.870e+04													
		-3.452e+04	-372.60	-0.02	0.0	18.4	978.92	-1442.05	-542.83	-113.59	9610.18	-	
7910.75													
						36.8	982.96	-1442.05	-542.83	-113.59	-372.60	-	
3.452e+04													
57	66	2.538e+04	366.41	-6.48e-03	0.0	0.0	-1148.06	1366.11	740.76	104.40	-2.688e+04	-	
2.574e+04													
		-2.574e+04	-2.688e+04	0.02	0.0	18.4	-1144.02	1366.11	740.76	104.40	-1.326e+04	-	
180.32													
						36.8	-1139.98	1366.11	740.76	104.40	366.41		
2.538e+04													
57	67	2.650e+04	2.785e+04	8.99e-03	0.0	0.0	897.37	-1410.42	-774.04	-137.98	2.785e+04		
2.650e+04													
		-2.695e+04	-621.01	0.03	0.0	18.4	901.41	-1410.42	-774.04	-137.98	1.361e+04	-	
224.64													
						36.8	905.45	-1410.42	-774.04	-137.98	-621.01	-	
2.695e+04													
57	68	3.029e+04	240.68	-0.02	0.0	0.0	-1213.28	1432.24	633.58	86.59	-2.306e+04	-	
2.214e+04													
		-2.214e+04	-2.306e+04	0.05	0.0	18.4	-1209.24	1432.24	633.58	86.59	-1.141e+04		
4078.65													
						36.8	-1205.20	1432.24	633.58	86.59	240.68		
3.029e+04													
57	69	2.081e+04	2.183e+04	0.02	0.0	0.0	967.13	-1468.38	-605.56	-116.60	2.183e+04		
2.081e+04													
		-3.294e+04	-437.81	-0.02	0.0	18.4	971.18	-1468.38	-605.56	-116.60	1.070e+04	-	
6063.77													
						36.8	975.22	-1468.38	-605.56	-116.60	-437.81	-	
3.294e+04													
57	70	2.430e+04	423.88	-5.21e-03	0.0	0.0	-1143.52	1374.28	802.07	107.97	-2.907e+04	-	
2.782e+04													
		-2.782e+04	-2.907e+04	0.01	0.0	18.4	-1139.48	1374.28	802.07	107.97	-1.433e+04	-	
1760.48													
						36.8	-1135.44	1374.28	802.07	107.97	423.88		
2.430e+04													
57	71	2.652e+04	2.787e+04	8.72e-03	0.0	0.0	895.77	-1419.50	-774.75	-137.70	2.787e+04		
2.652e+04													
		-2.670e+04	-624.89	0.03	0.0	18.4	899.81	-1419.50	-774.75	-137.70	1.362e+04	-91.23	
						36.8	903.85	-1419.50	-774.75	-137.70	-624.89	-	
2.670e+04													
57	72	3.054e+04	236.80	-0.02	0.0	0.0	-1214.88	1423.16	632.87	86.87	-2.304e+04	-	
2.212e+04													
		-2.212e+04	-2.304e+04	0.05	0.0	18.4	-1210.84	1423.16	632.87	86.87	-1.140e+04		
4212.06													
						36.8	-1206.80	1423.16	632.87	86.87	236.80		
3.054e+04													
57	73	2.080e+04	2.181e+04	0.02	0.0	0.0	968.74	-1459.30	-604.85	-116.88	2.181e+04		
2.080e+04													
		-3.319e+04	-433.94	-0.02	0.0	18.4	972.78	-1459.30	-604.85	-116.88	1.069e+04	-	
6197.18													
						36.8	976.82	-1459.30	-604.85	-116.88	-433.94	-	
3.319e+04													
57	74	2.405e+04	427.75	-4.94e-03	0.0	0.0	-1141.92	1383.36	802.78	107.69	-2.910e+04	-	
2.784e+04													
		-2.784e+04	-2.910e+04	0.01	0.0	18.4	-1137.88	1383.36	802.78	107.69	-1.433e+04	-	
1893.90													
						36.8	-1133.83	1383.36	802.78	107.69	427.75		
2.405e+04													
57	75	1.268e+04	1.343e+04	-9.89e-03	0.0	0.0	43.92	-286.32	-377.22	-71.51	1.343e+04		
1.268e+04													
		-493.52	-442.59	0.08	0.0	18.4	47.97	-286.32	-377.22	-71.51	6494.21		
6092.41													
						36.8	52.01	-286.32	-377.22	-71.51	-442.59	-	
493.52													

57	76	1.436e+04	1909.05	-0.02	0.0	0.0	-482.43	409.93	-58.96	-17.46	1909.05	
1660.38												
		1660.38	-259.36	0.09	0.0	18.4	-478.38	409.93	-58.96	-17.46	824.85	
8009.05												
						36.8	-474.34	409.93	-58.96	-17.46	-259.36	
1.436e+04												
57	77	-2981.00	62.22	0.02	0.0	0.0	236.28	-446.08	86.99	-12.55	-3136.64	-
2981.00												
		-1.701e+04	-3136.64	-0.05	0.0	18.4	240.32	-446.08	86.99	-12.55	-1537.21	-
9994.17												
						36.8	244.36	-446.08	86.99	-12.55	62.22	-
1.701e+04												
57	78	-2156.11	245.45	0.01	0.0	0.0	-290.07	250.17	405.24	41.50	-1.466e+04	-
1.400e+04												
		-1.400e+04	-1.466e+04	-0.04	0.0	18.4	-286.03	250.17	405.24	41.50	-7206.57	-
8077.53												
						36.8	-281.99	250.17	405.24	41.50	245.45	-
2156.11												
57	79	1.320e+04	1.398e+04	-0.01	0.0	0.0	42.40	-290.59	-392.59	-72.32	1.398e+04	
1.320e+04												
		-163.94	-457.79	0.08	0.0	18.4	46.44	-290.59	-392.59	-72.32	6761.57	
6517.23												
						36.8	50.48	-290.59	-392.59	-72.32	-457.79	-
163.94												
57	80	1.403e+04	1359.12	-0.02	0.0	0.0	-480.90	414.21	-43.59	-16.65	1359.12	
1140.31												
		1140.31	-244.15	0.08	0.0	18.4	-476.86	414.21	-43.59	-16.65	557.48	
7584.22												
						36.8	-472.82	414.21	-43.59	-16.65	-244.15	
1.403e+04												
57	81	-2460.93	47.01	0.02	0.0	0.0	234.75	-450.35	71.62	-13.36	-2586.71	-
2460.93												
		-1.668e+04	-2586.71	-0.05	0.0	18.4	238.80	-450.35	71.62	-13.36	-1269.85	-
9569.34												
						36.8	242.84	-450.35	71.62	-13.36	47.01	-
1.668e+04												
57	82	-2485.68	260.66	0.01	0.0	0.0	-288.55	254.45	420.62	42.32	-1.521e+04	-
1.452e+04												
		-1.452e+04	-1.521e+04	-0.04	0.0	18.4	-284.51	254.45	420.62	42.32	-7473.94	-
8502.35												
						36.8	-280.46	254.45	420.62	42.32	260.66	-
2485.68												
57	83	1.273e+04	1.349e+04	-0.01	0.0	0.0	39.51	-311.34	-379.16	-70.74	1.349e+04	
1.273e+04												
		192.08	-453.26	0.08	0.0	18.4	43.56	-311.34	-379.16	-70.74	6518.84	
6459.82												
						36.8	47.60	-311.34	-379.16	-70.74	-453.26	192.08
57	84	1.504e+04	1968.98	-0.02	0.0	0.0	-486.84	384.91	-60.91	-16.69	1968.98	
1709.61												
		1709.61	-270.03	0.09	0.0	18.4	-482.79	384.91	-60.91	-16.69	849.47	
8376.46												
						36.8	-478.75	384.91	-60.91	-16.69	-270.03	
1.504e+04												
57	85	-3030.23	72.90	0.02	0.0	0.0	240.69	-421.05	88.93	-13.32	-3196.57	-
3030.23												
		-1.769e+04	-3196.57	-0.05	0.0	18.4	244.73	-421.05	88.93	-13.32	-1561.84	-
1.036e+04												
						36.8	248.77	-421.05	88.93	-13.32	72.90	-
1.769e+04												
57	86	-2841.71	256.13	0.01	0.0	0.0	-285.66	275.20	407.19	40.73	-1.472e+04	-
1.405e+04												
		-1.405e+04	-1.472e+04	-0.04	0.0	18.4	-281.62	275.20	407.19	40.73	-7231.20	-
8444.94												
						36.8	-277.58	275.20	407.19	40.73	256.13	-
2841.71												
57	87	1.325e+04	1.404e+04	-0.01	0.0	0.0	37.99	-315.62	-394.54	-71.55	1.404e+04	
1.325e+04												
		521.65	-468.47	0.08	0.0	18.4	42.03	-315.62	-394.54	-71.55	6786.20	
6884.64												
						36.8	46.07	-315.62	-394.54	-71.55	-468.47	521.65
57	88	1.471e+04	1419.05	-0.02	0.0	0.0	-485.31	389.18	-45.53	-15.87	1419.05	
1189.54												

		1189.54	-254.82	0.09	0.0	18.4	-481.27	389.18	-45.53	-15.87	582.11	7951.63
						36.8	-477.23	389.18	-45.53	-15.87	-254.82	1.471e+04
57	89	-2510.15	57.69	0.02	0.0	0.0	239.16	-425.33	73.56	-14.13	-2646.64	-2510.15
		-1.736e+04	-2646.64	-0.05	0.0	18.4	243.21	-425.33	73.56	-14.13	-1294.47	-9936.75
						36.8	247.25	-425.33	73.56	-14.13	57.69	-1.736e+04
57	90	-3171.28	271.33	0.01	0.0	0.0	-284.14	279.47	422.56	41.54	-1.527e+04	-1.457e+04
		-1.457e+04	-1.527e+04	-0.04	0.0	18.4	-280.10	279.47	422.56	41.54	-7498.57	-8869.76
						36.8	-276.05	279.47	422.56	41.54	271.33	-3171.28
57	91	2.005e+04	2.107e+04	9.03e-03	0.0	0.0	725.32	-1154.53	-586.04	-113.92	2.107e+04	2.005e+04
		-2.360e+04	-479.67	0.02	0.0	18.4	729.36	-1154.53	-586.04	-113.92	1.030e+04	-1773.97
						36.8	733.41	-1154.53	-586.04	-113.92	-479.67	-2.360e+04
57	92	2.590e+04	131.10	-0.01	0.0	0.0	-1029.18	1166.31	474.81	66.23	-1.733e+04	-1.667e+04
		-1.667e+04	-1.733e+04	0.05	0.0	18.4	-1025.14	1166.31	474.81	66.23	-8600.41	-4614.82
						36.8	-1021.09	1166.31	474.81	66.23	131.10	2.590e+04
57	93	1.535e+04	1.610e+04	0.02	0.0	0.0	783.03	-1202.46	-446.78	-96.24	1.610e+04	1.535e+04
		-2.855e+04	-328.23	-0.01	0.0	18.4	787.07	-1202.46	-446.78	-96.24	7888.05	-6599.94
						36.8	791.11	-1202.46	-446.78	-96.24	-328.23	-2.855e+04
57	94	2.095e+04	282.54	-5.25e-03	0.0	0.0	-971.47	1118.38	614.07	83.92	-2.230e+04	-2.137e+04
		-2.137e+04	-2.230e+04	0.02	0.0	18.4	-967.43	1118.38	614.07	83.92	-1.101e+04	-211.15
						36.8	-963.39	1118.38	614.07	83.92	282.54	2.095e+04
57	95	2.007e+04	2.109e+04	8.80e-03	0.0	0.0	724.00	-1162.04	-586.63	-113.69	2.109e+04	2.007e+04
		-2.339e+04	-482.88	0.02	0.0	18.4	728.04	-1162.04	-586.63	-113.69	1.030e+04	-1663.75
						36.8	732.08	-1162.04	-586.63	-113.69	-482.88	-2.339e+04
57	96	2.611e+04	127.89	-0.01	0.0	0.0	-1030.50	1158.80	474.22	66.46	-1.731e+04	-1.666e+04
		-1.666e+04	-1.731e+04	0.05	0.0	18.4	-1026.46	1158.80	474.22	66.46	-8593.02	-4725.05
						36.8	-1022.42	1158.80	474.22	66.46	127.89	2.611e+04
57	97	1.534e+04	1.609e+04	0.02	0.0	0.0	784.35	-1194.95	-446.20	-96.47	1.609e+04	1.534e+04
		-2.876e+04	-325.03	-0.02	0.0	18.4	788.39	-1194.95	-446.20	-96.47	7880.66	-6710.17
						36.8	792.43	-1194.95	-446.20	-96.47	-325.03	-2.876e+04
57	98	2.074e+04	285.74	-5.03e-03	0.0	0.0	-970.15	1125.89	614.65	83.69	-2.232e+04	-2.139e+04
		-2.139e+04	-2.232e+04	0.02	0.0	18.4	-966.11	1125.89	614.65	83.69	-1.102e+04	-321.37
						36.8	-962.06	1125.89	614.65	83.69	285.74	2.074e+04
57	99	2.179e+04	2.291e+04	7.76e-03	0.0	0.0	720.24	-1168.78	-637.29	-116.64	2.291e+04	2.179e+04
		-2.250e+04	-530.36	0.03	0.0	18.4	724.28	-1168.78	-637.29	-116.64	1.119e+04	-357.89
						36.8	728.32	-1168.78	-637.29	-116.64	-530.36	-2.250e+04
57	100	2.481e+04	181.79	-0.01	0.0	0.0	-1024.10	1180.56	526.05	68.95	-1.917e+04	-1.841e+04

		-1.841e+04	-1.917e+04	0.05	0.0	18.4	-1020.06	1180.56	526.05	68.95	-9491.62	3198.74
						36.8	-1016.01	1180.56	526.05	68.95	181.79	2.481e+04
57	101	1.709e+04	1.794e+04	0.02	0.0	0.0	777.95	-1216.70	-498.03	-98.95	1.794e+04	1.709e+04
		-2.746e+04	-378.92	-0.01	0.0	18.4	781.99	-1216.70	-498.03	-98.95	8779.26	-5183.86
						36.8	786.03	-1216.70	-498.03	-98.95	-378.92	-2.746e+04
57	102	1.985e+04	333.23	-3.98e-03	0.0	0.0	-966.39	1132.63	665.31	86.64	-2.414e+04	-2.311e+04
		-2.311e+04	-2.414e+04	0.01	0.0	18.4	-962.35	1132.63	665.31	86.64	-1.190e+04	-1627.23
						36.8	-958.31	1132.63	665.31	86.64	333.23	1.985e+04
57	103	2.180e+04	2.293e+04	7.53e-03	0.0	0.0	718.92	-1176.28	-637.87	-116.41	2.293e+04	2.180e+04
		-2.230e+04	-533.57	0.03	0.0	18.4	722.96	-1176.28	-637.87	-116.41	1.120e+04	-247.67
						36.8	727.00	-1176.28	-637.87	-116.41	-533.57	-2.230e+04
57	104	2.501e+04	178.58	-0.01	0.0	0.0	-1025.42	1173.05	525.47	69.18	-1.915e+04	-1.839e+04
		-1.839e+04	-1.915e+04	0.05	0.0	18.4	-1021.38	1173.05	525.47	69.18	-9484.23	3308.96
						36.8	-1017.34	1173.05	525.47	69.18	178.58	2.501e+04
57	105	1.707e+04	1.792e+04	0.02	0.0	0.0	779.27	-1209.20	-497.44	-99.19	1.792e+04	1.707e+04
		-2.766e+04	-375.72	-0.01	0.0	18.4	783.31	-1209.20	-497.44	-99.19	8771.87	-5294.09
						36.8	787.35	-1209.20	-497.44	-99.19	-375.72	-2.766e+04
57	106	1.965e+04	336.43	-3.76e-03	0.0	0.0	-965.07	1140.14	665.90	86.40	-2.415e+04	-2.312e+04
		-2.312e+04	-2.415e+04	0.01	0.0	18.4	-961.03	1140.14	665.90	86.40	-1.191e+04	-1737.45
						36.8	-956.98	1140.14	665.90	86.40	336.43	1.965e+04
59	1	1030.08	1611.53	0.05	0.0	0.0	-488.16	-11.75	-11.15	-5.28	1611.53	1030.08
		-1777.29	-1054.11	-0.03	0.0	119.5	-421.94	-11.75	-11.15	-5.28	278.71	-373.60
						239.0	-355.72	-11.75	-11.15	-5.28	-1054.11	-1777.29
59	2	1.766e+04	5531.05	0.13	0.0	0.0	-1334.74	-100.53	-38.00	-14.67	5531.05	1.766e+04
		-6363.73	-3551.44	-0.06	0.0	119.5	-1268.52	-100.53	-38.00	-14.67	989.81	5649.57
						239.0	-1202.30	-100.53	-38.00	-14.67	-3551.44	-6363.73
59	3	478.48	1165.67	0.03	0.0	0.0	-359.53	-7.36	-8.07	-3.89	1165.67	478.48
		-1280.59	-763.73	-0.02	0.0	119.5	-308.59	-7.36	-8.07	-3.89	200.97	-401.06
						239.0	-257.65	-7.36	-8.07	-3.89	-763.73	-1280.59
59	4	1.711e+04	5085.19	0.12	0.0	0.0	-1206.11	-96.14	-34.92	-13.28	5085.19	1.711e+04
		-5867.03	-3261.06	-0.05	0.0	119.5	-1155.17	-96.14	-34.92	-13.28	912.07	5622.12
						239.0	-1104.24	-96.14	-34.92	-13.28	-3261.06	-5867.03
59	5	655.90	1207.48	0.03	0.0	0.0	-368.56	-8.31	-8.36	-3.99	1207.48	655.90
		-1329.52	-790.36	-0.02	0.0	119.5	-317.62	-8.31	-8.36	-3.99	208.56	-336.81
						239.0	-266.68	-8.31	-8.36	-3.99	-790.36	-1329.52
59	6	1.174e+04	3820.49	0.09	0.0	0.0	-932.95	-67.50	-26.26	-10.25	3820.49	1.174e+04
		-4387.14	-2455.25	-0.04	0.0	119.5	-882.01	-67.50	-26.26	-10.25	682.62	3678.64

						239.0	-831.07	-67.50	-26.26	-10.25	-2455.25	-4387.14
59	7	655.90	1207.48	0.03	0.0	0.0	-368.56	-8.31	-8.36	-3.99	1207.48	655.90
		-1329.52	-790.36	-0.02	0.0	119.5	-317.62	-8.31	-8.36	-3.99	208.56	-336.81
						239.0	-266.68	-8.31	-8.36	-3.99	-790.36	-1329.52
59	8	8417.87	3036.59	0.08	0.0	0.0	-763.63	-49.74	-20.89	-8.37	3036.59	8417.87
		-3469.85	-1955.78	-0.04	0.0	119.5	-712.69	-49.74	-20.89	-8.37	540.40	2474.01
						239.0	-661.76	-49.74	-20.89	-8.37	-1955.78	-3469.85
59	9	655.90	1207.48	0.03	0.0	0.0	-368.56	-8.31	-8.36	-3.99	1207.48	655.90
		-1329.52	-790.36	-0.02	0.0	119.5	-317.62	-8.31	-8.36	-3.99	208.56	-336.81
						239.0	-266.68	-8.31	-8.36	-3.99	-790.36	-1329.52
59	10	7309.01	2775.29	0.07	0.0	0.0	-707.19	-43.82	-19.10	-7.74	2775.29	7309.01
		-3164.09	-1789.30	-0.03	0.0	119.5	-656.25	-43.82	-19.10	-7.74	493.00	2072.46
						239.0	-605.32	-43.82	-19.10	-7.74	-1789.30	-3164.09
59	11	2.405e+04	6797.96	0.35	0.0	0.0	-462.43	-101.74	67.67	-74.36	-9377.91	2.405e+04
		428.10	-9377.91	-0.55	0.0	119.5	-411.50	-101.74	67.67	-74.36	-1289.98	1.224e+04
						239.0	-360.56	-101.74	67.67	-74.36	6797.96	428.10
59	12	-4004.21	1507.93	-0.11	0.0	0.0	-386.22	96.57	12.77	-36.28	-1543.86	-2.771e+04
		-2.771e+04	-1543.86	-8.28e-03	0.0	119.5	-335.28	96.57	12.77	-36.28	-17.97	-1.586e+04
						239.0	-284.34	96.57	12.77	-36.28	1507.93	-4004.21
59	13	4.233e+04	7094.43	0.25	0.0	0.0	-1028.16	-184.21	-50.96	20.79	7094.43	4.233e+04
		-2323.97	-5086.52	-0.06	0.0	119.5	-977.23	-184.21	-50.96	20.79	1003.96	2.000e+04
						239.0	-926.29	-184.21	-50.96	20.79	-5086.52	-2323.97
59	14	-6756.28	1.493e+04	-0.21	0.0	0.0	-951.95	14.10	-105.87	58.87	1.493e+04	-9434.46
		-9434.46	-1.038e+04	0.48	0.0	119.5	-901.01	14.10	-105.87	58.87	2275.97	-8095.37
						239.0	-850.08	14.10	-105.87	58.87	-1.038e+04	-6756.28
59	15	2.540e+04	7320.15	0.36	0.0	0.0	-370.18	-107.68	72.94	-79.24	-1.012e+04	2.540e+04
		362.87	-1.012e+04	-0.57	0.0	119.5	-319.24	-107.68	72.94	-79.24	-1397.77	1.288e+04
						239.0	-268.31	-107.68	72.94	-79.24	7320.15	362.87
59	16	-3938.97	985.74	-0.12	0.0	0.0	-478.47	102.52	7.49	-31.40	-806.08	-2.905e+04
		-2.905e+04	-806.08	0.01	0.0	119.5	-427.53	102.52	7.49	-31.40	89.83	-1.650e+04
						239.0	-376.60	102.52	7.49	-31.40	985.74	-3938.97
59	17	4.367e+04	6356.65	0.26	0.0	0.0	-935.91	-190.16	-45.69	15.91	6356.65	4.367e+04
		-2389.21	-4564.33	-0.08	0.0	119.5	-884.97	-190.16	-45.69	15.91	896.16	2.064e+04
						239.0	-834.04	-190.16	-45.69	15.91	-4564.33	-2389.21
59	18	-6691.05	1.567e+04	-0.22	0.0	0.0	-1044.20	20.04	-111.14	63.75	1.567e+04	-1.078e+04
		-1.078e+04	-1.090e+04	0.50	0.0	119.5	-993.27	20.04	-111.14	63.75	2383.76	-8734.56
						239.0	-942.33	20.04	-111.14	63.75	-1.090e+04	-6691.05
59	19	2.555e+04	7361.27	0.34	0.0	0.0	-449.18	-106.31	72.95	-77.73	-1.007e+04	2.555e+04

			461.24	-1.007e+04	-0.55	0.0	119.5	-398.24	-106.31	72.95	-77.73	-1356.81	
1.301e+04													
							239.0	-347.30	-106.31	72.95	-77.73	7361.27	461.24
59	20	-3971.07	2071.24	-0.12	0.0	0.0	-372.96	92.00	18.04	-39.65	-2240.84		-
2.621e+04													
			-2.621e+04	-2240.84	-0.01	0.0	119.5	-322.03	92.00	18.04	-39.65	-84.80	-
1.509e+04													
							239.0	-271.09	92.00	18.04	-39.65	2071.24	-
3971.07													
59	21	4.083e+04	7791.41	0.26	0.0	0.0	-1041.42	-179.64	-56.24	24.17	7791.41		
4.083e+04													
			-2357.11	-5649.84	-0.06	0.0	119.5	-990.48	-179.64	-56.24	24.17	1070.79	
1.924e+04													
							239.0	-939.54	-179.64	-56.24	24.17	-5649.84	-
2357.11													
59	22	-6789.42	1.563e+04	-0.20	0.0	0.0	-965.21	18.67	-111.14	62.24	1.563e+04		-
1.093e+04													
			-1.093e+04	-1.094e+04	0.48	0.0	119.5	-914.27	18.67	-111.14	62.24	2342.80	-
8860.92													
							239.0	-863.33	18.67	-111.14	62.24	-1.094e+04	-
6789.42													
59	23	2.689e+04	7883.46	0.35	0.0	0.0	-356.93	-112.25	78.22	-82.61	-1.081e+04		
2.689e+04													
			396.01	-1.081e+04	-0.57	0.0	119.5	-305.99	-112.25	78.22	-82.61	-1464.60	
1.365e+04													
							239.0	-255.05	-112.25	78.22	-82.61	7883.46	396.01
59	24	-3905.83	1549.05	-0.13	0.0	0.0	-465.22	97.94	12.77	-34.77	-1503.06		-
2.756e+04													
			-2.756e+04	-1503.06	0.01	0.0	119.5	-414.28	97.94	12.77	-34.77	23.00	-
1.573e+04													
							239.0	-363.34	97.94	12.77	-34.77	1549.05	-
3905.83													
59	25	4.217e+04	7053.63	0.27	0.0	0.0	-949.17	-185.59	-50.97	19.28	7053.63		
4.217e+04													
			-2422.35	-5127.65	-0.08	0.0	119.5	-898.23	-185.59	-50.97	19.28	962.99	
1.988e+04													
							239.0	-847.29	-185.59	-50.97	19.28	-5127.65	-
2422.35													
59	26	-6724.19	1.636e+04	-0.21	0.0	0.0	-1057.46	24.61	-116.42	67.13	1.636e+04		-
1.228e+04													
			-1.228e+04	-1.146e+04	0.50	0.0	119.5	-1006.52	24.61	-116.42	67.13	2450.59	-
9500.11													
							239.0	-955.58	24.61	-116.42	67.13	-1.146e+04	-
6724.19													
59	27	9.084e+04	8810.09	0.85	0.0	0.0	-749.35	-361.96	90.21	-85.47	-1.275e+04		
9.084e+04													
			4635.90	-1.275e+04	-1.00	0.0	119.5	-698.42	-361.96	90.21	-85.47	-1971.11	
4.774e+04													
							239.0	-647.48	-361.96	90.21	-85.47	8810.09	
4635.90													
59	28	-1.014e+04	1.336e+04	-0.68	0.0	0.0	-495.31	299.06	-92.81	41.44	1.336e+04		-
8.170e+04													
			-8.170e+04	-8823.34	0.79	0.0	119.5	-444.37	299.06	-92.81	41.44	2268.92	-
4.592e+04													
							239.0	-393.43	299.06	-92.81	41.44	-8823.34	-
1.014e+04													
59	29	9.632e+04	5244.75	0.82	0.0	0.0	-919.07	-386.71	54.62	-56.93	-7810.62		
9.632e+04													
			3810.28	-7810.62	-0.86	0.0	119.5	-868.14	-386.71	54.62	-56.93	-1282.93	
5.007e+04													
							239.0	-817.20	-386.71	54.62	-56.93	5244.75	
3810.28													
59	30	-1.096e+04	1.830e+04	-0.71	0.0	0.0	-665.03	274.32	-128.41	69.99	1.830e+04		-
7.622e+04													
			-7.622e+04	-1.239e+04	0.93	0.0	119.5	-614.09	274.32	-128.41	69.99	2957.10	-
4.359e+04													
							239.0	-563.15	274.32	-128.41	69.99	-1.239e+04	-
1.096e+04													
59	31	9.129e+04	8979.09	0.85	0.0	0.0	-745.38	-363.34	91.79	-86.49	-1.296e+04		
9.129e+04													
			4645.85	-1.296e+04	-1.00	0.0	119.5	-694.44	-363.34	91.79	-86.49	-1991.16	
4.797e+04													

					239.0	-643.50	-363.34	91.79	-86.49	8979.09		4645.85
59	32	-1.013e+04	1.315e+04	-0.69	0.0	0.0	-491.33	297.69	-91.23	40.43	1.315e+04	- 8.125e+04
		-8.125e+04	-8654.35	0.79	0.0	119.5	-440.40	297.69	-91.23	40.43	2248.87	- 4.569e+04
					239.0	-389.46	297.69	-91.23	40.43	-8654.35		- 1.013e+04
59	33	9.587e+04	5075.75	0.83	0.0	0.0	-923.05	-385.33	53.04	-55.92	-7601.52	9.587e+04
		3800.34	-7601.52	-0.86	0.0	119.5	-872.11	-385.33	53.04	-55.92	-1262.88	4.984e+04
					239.0	-821.18	-385.33	53.04	-55.92	5075.75		3800.34
59	34	-1.097e+04	1.851e+04	-0.71	0.0	0.0	-669.01	275.69	-129.99	71.00	1.851e+04	- 7.667e+04
		-7.667e+04	-1.256e+04	0.94	0.0	119.5	-618.07	275.69	-129.99	71.00	2977.15	- 4.382e+04
					239.0	-567.13	275.69	-129.99	71.00	-1.256e+04		- 1.097e+04
59	35	9.532e+04	1.055e+04	0.89	0.0	0.0	-441.85	-381.78	107.78	-101.76	-1.521e+04	9.532e+04
		4418.46	-1.521e+04	-1.08	0.0	119.5	-390.91	-381.78	107.78	-101.76	-2330.43	4.987e+04
					239.0	-339.97	-381.78	107.78	-101.76	1.055e+04		4418.46
59	36	-9921.01	1.582e+04	-0.72	0.0	0.0	-802.82	318.88	-110.39	57.73	1.582e+04	- 8.618e+04
		-8.618e+04	-1.056e+04	0.87	0.0	119.5	-751.88	318.88	-110.39	57.73	2628.24	- 4.805e+04
					239.0	-700.94	318.88	-110.39	57.73	-1.056e+04		- 9921.01
59	37	1.008e+05	6985.38	0.86	0.0	0.0	-611.57	-406.52	72.19	-73.21	-1.027e+04	1.008e+05
		3592.83	-1.027e+04	-0.93	0.0	119.5	-560.63	-406.52	72.19	-73.21	-1642.25	5.220e+04
					239.0	-509.69	-406.52	72.19	-73.21	6985.38		3592.83
59	38	-1.075e+04	2.076e+04	-0.75	0.0	0.0	-972.54	294.14	-145.98	86.27	2.076e+04	- 8.070e+04
		-8.070e+04	-1.413e+04	1.01	0.0	119.5	-921.60	294.14	-145.98	86.27	3316.42	- 4.572e+04
					239.0	-870.66	294.14	-145.98	86.27	-1.413e+04		- 1.075e+04
59	39	9.577e+04	1.072e+04	0.88	0.0	0.0	-437.87	-383.15	109.36	-102.77	-1.542e+04	9.577e+04
		4428.40	-1.542e+04	-1.08	0.0	119.5	-386.93	-383.15	109.36	-102.77	-2350.48	5.010e+04
					239.0	-335.99	-383.15	109.36	-102.77	1.072e+04		4428.40
59	40	-9911.07	1.561e+04	-0.72	0.0	0.0	-798.84	317.51	-108.80	56.71	1.561e+04	- 8.573e+04
		-8.573e+04	-1.039e+04	0.86	0.0	119.5	-747.90	317.51	-108.80	56.71	2608.19	- 4.782e+04
					239.0	-696.97	317.51	-108.80	56.71	-1.039e+04		- 9911.07
59	41	1.003e+05	6816.39	0.86	0.0	0.0	-615.54	-405.15	70.61	-72.20	-1.006e+04	1.003e+05
		3582.89	-1.006e+04	-0.93	0.0	119.5	-564.60	-405.15	70.61	-72.20	-1622.20	5.197e+04
					239.0	-513.67	-405.15	70.61	-72.20	6816.39		3582.89
59	42	-1.076e+04	2.097e+04	-0.75	0.0	0.0	-976.51	295.51	-147.56	87.28	2.097e+04	- 8.115e+04
		-8.115e+04	-1.430e+04	1.01	0.0	119.5	-925.58	295.51	-147.56	87.28	3336.47	- 4.595e+04
					239.0	-874.64	295.51	-147.56	87.28	-1.430e+04		- 1.076e+04
59	43	2.065e+04	5007.07	0.29	0.0	0.0	-513.40	-90.11	49.60	-60.45	-6848.36	2.065e+04
		-365.19	-6848.36	-0.44	0.0	119.5	-462.46	-90.11	49.60	-60.45	-920.65	1.014e+04

						239.0	-411.52	-90.11	49.60	-60.45	5007.07	-
365.19												
59	44	-3867.22	818.65	-0.07	0.0	0.0	-453.21	67.06	6.11	-30.29	-642.88	-
2.038e+04												
		-2.038e+04	-642.88	-0.01	0.0	119.5	-402.27	67.06	6.11	-30.29	87.88	-
1.212e+04												
						239.0	-351.33	67.06	6.11	-30.29	818.65	-
3867.22												
59	45	3.500e+04	6193.45	0.21	0.0	0.0	-961.17	-154.71	-44.31	14.80	6193.45	
3.500e+04												
		-2460.95	-4397.24	-0.06	0.0	119.5	-910.24	-154.71	-44.31	14.80	898.11	
1.627e+04												
						239.0	-859.30	-154.71	-44.31	14.80	-4397.24	-
2460.95												
59	46	-5962.99	1.240e+04	-0.15	0.0	0.0	-900.98	2.47	-87.80	44.97	1.240e+04	-
6027.25												
		-6027.25	-8585.66	0.37	0.0	119.5	-850.05	2.47	-87.80	44.97	1906.64	-
5995.12												
						239.0	-799.11	2.47	-87.80	44.97	-8585.66	-
5962.99												
59	47	2.171e+04	5420.50	0.30	0.0	0.0	-440.50	-94.82	53.77	-64.33	-7432.86	
2.171e+04												
		-419.08	-7432.86	-0.46	0.0	119.5	-389.57	-94.82	53.77	-64.33	-1006.18	
1.065e+04												
						239.0	-338.63	-94.82	53.77	-64.33	5420.50	-
419.08												
59	48	-3813.34	405.21	-0.08	0.0	0.0	-526.11	71.78	1.94	-26.42	-58.39	-
2.145e+04												
		-2.145e+04	-58.39	4.70e-03	0.0	119.5	-475.17	71.78	1.94	-26.42	173.41	-
1.263e+04												
						239.0	-424.23	71.78	1.94	-26.42	405.21	-
3813.34												
59	49	3.607e+04	5608.96	0.22	0.0	0.0	-888.28	-159.42	-40.14	10.93	5608.96	
3.607e+04												
		-2514.84	-3983.81	-0.07	0.0	119.5	-837.34	-159.42	-40.14	10.93	812.58	
1.678e+04												
						239.0	-786.40	-159.42	-40.14	10.93	-3983.81	-
2514.84												
59	50	-5909.10	1.298e+04	-0.16	0.0	0.0	-973.88	7.18	-91.97	48.84	1.298e+04	-
7092.23												
		-7092.23	-8999.09	0.39	0.0	119.5	-922.94	7.18	-91.97	48.84	1992.17	-
6500.66												
						239.0	-872.01	7.18	-91.97	48.84	-8999.09	-
5909.10												
59	51	2.187e+04	5452.83	0.28	0.0	0.0	-502.95	-93.92	53.77	-63.11	-7400.38	
2.187e+04												
		-346.73	-7400.38	-0.44	0.0	119.5	-452.01	-93.92	53.77	-63.11	-973.77	
1.076e+04												
						239.0	-401.07	-93.92	53.77	-63.11	5452.83	-
346.73												
59	52	-3848.77	1264.41	-0.08	0.0	0.0	-442.76	63.25	10.29	-32.94	-1194.89	-
1.916e+04												
		-1.916e+04	-1194.89	-0.02	0.0	119.5	-391.82	63.25	10.29	-32.94	34.76	-
1.150e+04												
						239.0	-340.88	63.25	10.29	-32.94	1264.41	-
3848.77												
59	53	3.378e+04	6745.46	0.22	0.0	0.0	-971.63	-150.89	-48.49	17.46	6745.46	
3.378e+04												
		-2479.41	-4843.00	-0.05	0.0	119.5	-920.69	-150.89	-48.49	17.46	951.23	
1.565e+04												
						239.0	-869.75	-150.89	-48.49	17.46	-4843.00	-
2479.41												
59	54	-5981.44	1.295e+04	-0.14	0.0	0.0	-911.44	6.28	-91.97	47.62	1.295e+04	-
7252.37												
		-7252.37	-9031.43	0.37	0.0	119.5	-860.50	6.28	-91.97	47.62	1959.76	-
6616.91												
						239.0	-809.56	6.28	-91.97	47.62	-9031.43	-
5981.44												
59	55	2.294e+04	5866.27	0.29	0.0	0.0	-430.05	-98.63	57.95	-66.98	-7984.87	
2.294e+04												
		-400.62	-7984.87	-0.46	0.0	119.5	-379.11	-98.63	57.95	-66.98	-1059.30	
1.127e+04												

						239.0	-328.18	-98.63	57.95	-66.98	5866.27	-
400.62												
59	56	-3794.88	850.98	-0.09	0.0	0.0	-515.65	67.96	6.11	-29.07	-610.40	-
2.022e+04												
		-2.022e+04	-610.40	2.57e-03	0.0	119.5	-464.72	67.96	6.11	-29.07	120.29	-
1.201e+04												
						239.0	-413.78	67.96	6.11	-29.07	850.98	-
3794.88												
59	57	3.484e+04	6160.97	0.23	0.0	0.0	-898.73	-155.60	-44.31	13.58	6160.97	
3.484e+04												
		-2533.30	-4429.57	-0.07	0.0	119.5	-847.79	-155.60	-44.31	13.58	865.70	
1.615e+04												
						239.0	-796.86	-155.60	-44.31	13.58	-4429.57	-
2533.30												
59	58	-5927.56	1.354e+04	-0.15	0.0	0.0	-984.33	10.99	-96.15	51.50	1.354e+04	-
8317.34												
		-8317.34	-9444.86	0.39	0.0	119.5	-933.40	10.99	-96.15	51.50	2045.29	-
7122.45												
						239.0	-882.46	10.99	-96.15	51.50	-9444.86	-
5927.56												
59	59	7.354e+04	6602.05	0.69	0.0	0.0	-740.34	-296.09	67.46	-69.31	-9523.46	
7.354e+04												
		2986.99	-9523.46	-0.80	0.0	119.5	-689.41	-296.09	67.46	-69.31	-1460.70	
3.826e+04												
						239.0	-638.47	-296.09	67.46	-69.31	6602.05	
2986.99												
59	60	-8686.44	1.116e+04	-0.53	0.0	0.0	-539.71	227.82	-77.49	31.25	1.116e+04	-
6.322e+04												
		-6.322e+04	-7359.35	0.62	0.0	119.5	-488.77	227.82	-77.49	31.25	1901.07	-
3.596e+04												
						239.0	-437.83	227.82	-77.49	31.25	-7359.35	-
8686.44												
59	61	7.784e+04	3780.76	0.67	0.0	0.0	-874.67	-315.46	39.29	-46.73	-5610.91	
7.784e+04												
		2358.26	-5610.91	-0.69	0.0	119.5	-823.74	-315.46	39.29	-46.73	-915.08	
4.010e+04												
						239.0	-772.80	-315.46	39.29	-46.73	3780.76	
2358.26												
59	62	-9315.17	1.507e+04	-0.55	0.0	0.0	-674.04	208.44	-105.66	53.82	1.507e+04	-
5.892e+04												
		-5.892e+04	-1.018e+04	0.73	0.0	119.5	-623.10	208.44	-105.66	53.82	2446.69	-
3.412e+04												
						239.0	-572.17	208.44	-105.66	53.82	-1.018e+04	-
9315.17												
59	63	7.390e+04	6735.78	0.69	0.0	0.0	-737.21	-297.23	68.72	-70.11	-9689.06	
7.390e+04												
		2992.53	-9689.06	-0.80	0.0	119.5	-686.27	-297.23	68.72	-70.11	-1476.64	
3.845e+04												
						239.0	-635.33	-297.23	68.72	-70.11	6735.78	
2992.53												
59	64	-8680.91	1.100e+04	-0.53	0.0	0.0	-536.57	226.68	-76.24	30.45	1.100e+04	-
6.286e+04												
		-6.286e+04	-7225.62	0.62	0.0	119.5	-485.64	226.68	-76.24	30.45	1885.13	-
3.577e+04												
						239.0	-434.70	226.68	-76.24	30.45	-7225.62	-
8680.91												
59	65	7.747e+04	3647.03	0.67	0.0	0.0	-877.81	-314.32	38.04	-45.94	-5445.31	
7.747e+04												
		2352.73	-5445.31	-0.69	0.0	119.5	-826.87	-314.32	38.04	-45.94	-899.14	
3.991e+04												
						239.0	-775.94	-314.32	38.04	-45.94	3647.03	
2352.73												
59	66	-9320.71	1.524e+04	-0.55	0.0	0.0	-677.18	209.59	-106.91	54.62	1.524e+04	-
5.928e+04												
		-5.928e+04	-1.031e+04	0.73	0.0	119.5	-626.24	209.59	-106.91	54.62	2462.63	-
3.430e+04												
						239.0	-575.30	209.59	-106.91	54.62	-1.031e+04	-
9320.71												
59	67	7.709e+04	7980.16	0.72	0.0	0.0	-497.35	-311.79	81.38	-82.22	-1.147e+04	
7.709e+04												
		2807.38	-1.147e+04	-0.86	0.0	119.5	-446.42	-311.79	81.38	-82.22	-1745.80	
3.995e+04												

						239.0	-395.48	-311.79	81.38	-82.22	7980.16	
2807.38												
59	68	-8506.83	1.311e+04	-0.56	0.0	0.0	-782.70	243.52	-91.41	44.15	1.311e+04	-
6.677e+04												
		-6.677e+04	-8737.46	0.68	0.0	119.5	-731.76	243.52	-91.41	44.15	2186.17	-
3.764e+04												
						239.0	-680.82	243.52	-91.41	44.15	-8737.46	-
8506.83												
59	69	8.139e+04	5158.87	0.70	0.0	0.0	-631.69	-331.17	53.21	-59.64	-7559.22	
8.139e+04												
		2178.65	-7559.22	-0.75	0.0	119.5	-580.75	-331.17	53.21	-59.64	-1200.18	
4.179e+04												
						239.0	-529.81	-331.17	53.21	-59.64	5158.87	
2178.65												
59	70	-9135.56	1.702e+04	-0.58	0.0	0.0	-917.03	224.15	-119.58	66.73	1.702e+04	-
6.247e+04												
		-6.247e+04	-1.156e+04	0.79	0.0	119.5	-866.09	224.15	-119.58	66.73	2731.79	-
3.580e+04												
						239.0	-815.16	224.15	-119.58	66.73	-1.156e+04	-
9135.56												
59	71	7.745e+04	8113.89	0.72	0.0	0.0	-494.22	-312.93	82.63	-83.01	-1.164e+04	
7.745e+04												
		2812.92	-1.164e+04	-0.86	0.0	119.5	-443.28	-312.93	82.63	-83.01	-1761.74	
4.013e+04												
						239.0	-392.34	-312.93	82.63	-83.01	8113.89	
2812.92												
59	72	-8501.30	1.294e+04	-0.56	0.0	0.0	-779.56	242.38	-90.15	43.36	1.294e+04	-
6.641e+04												
		-6.641e+04	-8603.73	0.68	0.0	119.5	-728.62	242.38	-90.15	43.36	2170.23	-
3.745e+04												
						239.0	-677.69	242.38	-90.15	43.36	-8603.73	-
8501.30												
59	73	8.102e+04	5025.14	0.70	0.0	0.0	-634.82	-330.02	51.96	-58.84	-7393.62	
8.102e+04												
		2173.12	-7393.62	-0.75	0.0	119.5	-583.88	-330.02	51.96	-58.84	-1184.24	
4.160e+04												
						239.0	-532.95	-330.02	51.96	-58.84	5025.14	
2173.12												
59	74	-9141.10	1.719e+04	-0.58	0.0	0.0	-920.17	225.29	-120.83	67.53	1.719e+04	-
6.283e+04												
		-6.283e+04	-1.169e+04	0.79	0.0	119.5	-869.23	225.29	-120.83	67.53	2747.73	-
3.599e+04												
						239.0	-818.29	225.29	-120.83	67.53	-1.169e+04	-
9141.10												
59	75	1.831e+04	3828.14	0.25	0.0	0.0	-547.04	-81.98	37.68	-51.33	-5178.69	
1.831e+04												
		-847.02	-5178.69	-0.37	0.0	119.5	-496.10	-81.98	37.68	-51.33	-675.27	
8733.09												
						239.0	-445.16	-81.98	37.68	-51.33	3828.14	-
847.02												
59	76	-3741.46	366.58	-0.05	0.0	0.0	-497.28	47.91	1.74	-26.40	-50.23	-
1.559e+04												
		-1.559e+04	-50.23	-0.02	0.0	119.5	-446.35	47.91	1.74	-26.40	158.18	-
9667.05												
						239.0	-395.41	47.91	1.74	-26.40	366.58	-
3741.46												
59	77	3.021e+04	5600.81	0.19	0.0	0.0	-917.10	-135.55	-39.94	10.91	5600.81	
3.021e+04												
		-2586.72	-3945.18	-0.05	0.0	119.5	-866.16	-135.55	-39.94	10.91	827.81	
1.381e+04												
						239.0	-815.22	-135.55	-39.94	10.91	-3945.18	-
2586.72												
59	78	-3695.18	1.073e+04	-0.11	0.0	0.0	-867.35	-5.66	-75.88	35.84	1.073e+04	-
3695.18												
		-5481.16	-7406.73	0.30	0.0	119.5	-816.41	-5.66	-75.88	35.84	1661.26	-
4588.17												
						239.0	-765.47	-5.66	-75.88	35.84	-7406.73	-
5481.16												
59	79	1.919e+04	4169.81	0.26	0.0	0.0	-486.78	-85.88	41.13	-54.53	-5661.72	
1.919e+04												
		-891.48	-5661.72	-0.38	0.0	119.5	-435.85	-85.88	41.13	-54.53	-745.95	
9150.92												

						239.0	-384.91	-85.88	41.13	-54.53	4169.81	-	891.48
59	80	-3697.00	432.80	-0.06	0.0	0.0	-557.54	51.80	-1.71	-23.20	432.80	-	1.647e+04
		-1.647e+04	24.91	-2.20e-03	0.0	119.5	-506.60	51.80	-1.71	-23.20	228.86	-	1.008e+04
						239.0	-455.66	51.80	-1.71	-23.20	24.91	-	3697.00
59	81	3.109e+04	5117.77	0.20	0.0	0.0	-856.85	-139.44	-36.49	7.71	5117.77		3.109e+04
		-2631.18	-3603.50	-0.07	0.0	119.5	-805.91	-139.44	-36.49	7.71	757.14		1.423e+04
						239.0	-754.97	-139.44	-36.49	7.71	-3603.50	-	2631.18
59	82	-4575.28	1.121e+04	-0.12	0.0	0.0	-927.60	-1.77	-79.33	39.04	1.121e+04	-	4575.28
		-5436.70	-7748.41	0.32	0.0	119.5	-876.66	-1.77	-79.33	39.04	1731.94	-	5005.99
						239.0	-825.72	-1.77	-79.33	39.04	-7748.41	-	5436.70
59	83	1.932e+04	4196.40	0.24	0.0	0.0	-538.40	-85.12	41.13	-53.52	-5634.73		1.932e+04
		-831.19	-5634.73	-0.37	0.0	119.5	-487.46	-85.12	41.13	-53.52	-719.16		9246.09
						239.0	-436.52	-85.12	41.13	-53.52	4196.40	-	831.19
59	84	-3725.63	734.84	-0.06	0.0	0.0	-488.64	44.76	5.19	-28.59	-506.27	-	1.458e+04
		-1.458e+04	-506.27	-0.02	0.0	119.5	-437.71	44.76	5.19	-28.59	114.29	-	9154.05
						239.0	-386.77	44.76	5.19	-28.59	734.84	-	3725.63
59	85	2.920e+04	6056.84	0.20	0.0	0.0	-925.74	-132.41	-43.39	13.10	6056.84		2.920e+04
		-2602.55	-4313.44	-0.05	0.0	119.5	-874.80	-132.41	-43.39	13.10	871.70		1.330e+04
						239.0	-823.86	-132.41	-43.39	13.10	-4313.44	-	2602.55
59	86	-4705.36	1.119e+04	-0.11	0.0	0.0	-875.99	-2.52	-79.33	38.03	1.119e+04	-	4705.36
		-5496.99	-7774.99	0.30	0.0	119.5	-825.05	-2.52	-79.33	38.03	1705.15	-	5101.17
						239.0	-774.11	-2.52	-79.33	38.03	-7774.99	-	5496.99
59	87	2.020e+04	4538.07	0.25	0.0	0.0	-478.14	-89.02	44.58	-56.72	-6117.76		2.020e+04
		-875.65	-6117.76	-0.39	0.0	119.5	-427.21	-89.02	44.58	-56.72	-789.84		9663.92
						239.0	-376.27	-89.02	44.58	-56.72	4538.07	-	875.65
59	88	-3681.17	393.17	-0.06	0.0	0.0	-548.90	48.66	1.74	-25.39	-23.24	-	1.546e+04
		-1.546e+04	-23.24	-3.93e-03	0.0	119.5	-497.96	48.66	1.74	-25.39	184.97	-	9571.87
						239.0	-447.02	48.66	1.74	-25.39	393.17	-	3681.17
59	89	3.008e+04	5573.81	0.20	0.0	0.0	-865.49	-136.30	-39.94	9.90	5573.81		3.008e+04
		-2647.01	-3971.76	-0.07	0.0	119.5	-814.55	-136.30	-39.94	9.90	801.02		1.372e+04
						239.0	-763.61	-136.30	-39.94	9.90	-3971.76	-	2647.01
59	90	-5452.53	1.167e+04	-0.11	0.0	0.0	-936.24	1.38	-82.78	41.23	1.167e+04	-	5585.46
		-5585.46	-8116.66	0.32	0.0	119.5	-885.30	1.38	-82.78	41.23	1775.83	-	5518.99
						239.0	-834.37	1.38	-82.78	41.23	-8116.66	-	5452.53
59	91	6.203e+04	5145.96	0.58	0.0	0.0	-734.60	-252.27	52.44	-58.63	-7389.07		6.203e+04
		1920.93	-7389.07	-0.67	0.0	119.5	-683.66	-252.27	52.44	-58.63	-1121.55		3.198e+04

						239.0	-632.73	-252.27	52.44	-58.63	5145.96	
1920.93												
59	92	-7727.20	9705.79	-0.42	0.0	0.0	-568.76	180.70	-67.35	24.47	9705.79	-
5.099e+04												
		-5.099e+04	-6392.56	0.50	0.0	119.5	-517.83	180.70	-67.35	24.47	1656.62	-
2.936e+04												
						239.0	-466.89	180.70	-67.35	24.47	-6392.56	-
7727.20												
59	93	6.560e+04	2813.97	0.56	0.0	0.0	-845.62	-268.34	29.16	-39.96	-4155.22	
6.560e+04												
		1399.02	-4155.22	-0.57	0.0	119.5	-794.68	-268.34	29.16	-39.96	-670.63	
3.350e+04												
						239.0	-743.74	-268.34	29.16	-39.96	2813.97	
1399.02												
59	94	-8249.11	1.294e+04	-0.44	0.0	0.0	-679.78	164.63	-90.64	43.14	1.294e+04	-
4.742e+04												
		-4.742e+04	-8724.55	0.60	0.0	119.5	-628.85	164.63	-90.64	43.14	2107.54	-
2.783e+04												
						239.0	-577.91	164.63	-90.64	43.14	-8724.55	-
8249.11												
59	95	6.234e+04	5256.44	0.58	0.0	0.0	-732.01	-253.21	53.48	-59.29	-7525.88	
6.234e+04												
		1925.68	-7525.88	-0.67	0.0	119.5	-681.07	-253.21	53.48	-59.29	-1134.72	
3.213e+04												
						239.0	-630.13	-253.21	53.48	-59.29	5256.44	
1925.68												
59	96	-7722.45	9568.98	-0.43	0.0	0.0	-566.17	179.75	-66.32	23.82	9568.98	-
5.068e+04												
		-5.068e+04	-6282.08	0.50	0.0	119.5	-515.24	179.75	-66.32	23.82	1643.45	-
2.920e+04												
						239.0	-464.30	179.75	-66.32	23.82	-6282.08	-
7722.45												
59	97	6.530e+04	2703.49	0.56	0.0	0.0	-848.21	-267.40	28.12	-39.30	-4018.41	
6.530e+04												
		1394.27	-4018.41	-0.57	0.0	119.5	-797.27	-267.40	28.12	-39.30	-657.46	
3.335e+04												
						239.0	-746.34	-267.40	28.12	-39.30	2703.49	
1394.27												
59	98	-8253.86	1.308e+04	-0.44	0.0	0.0	-682.38	165.57	-91.67	43.80	1.308e+04	-
4.772e+04												
		-4.772e+04	-8835.03	0.60	0.0	119.5	-631.44	165.57	-91.67	43.80	2120.71	-
2.799e+04												
						239.0	-580.50	165.57	-91.67	43.80	-8835.03	-
8253.86												
59	99	6.497e+04	6284.87	0.61	0.0	0.0	-533.76	-265.24	63.94	-69.30	-8999.17	
6.497e+04												
		1772.73	-8999.17	-0.72	0.0	119.5	-482.83	-265.24	63.94	-69.30	-1357.15	
3.337e+04												
						239.0	-431.89	-265.24	63.94	-69.30	6284.87	
1772.73												
59	100	-7579.00	1.132e+04	-0.45	0.0	0.0	-769.60	193.67	-78.85	35.14	1.132e+04	-
5.392e+04												
		-5.392e+04	-7531.47	0.56	0.0	119.5	-718.66	193.67	-78.85	35.14	1892.21	-
3.075e+04												
						239.0	-667.73	193.67	-78.85	35.14	-7531.47	-
7579.00												
59	101	6.854e+04	3952.88	0.59	0.0	0.0	-644.78	-281.31	40.66	-50.63	-5765.32	
6.854e+04												
		1250.82	-5765.32	-0.62	0.0	119.5	-593.84	-281.31	40.66	-50.63	-906.22	
3.489e+04												
						239.0	-542.91	-281.31	40.66	-50.63	3952.88	
1250.82												
59	102	-8100.91	1.455e+04	-0.47	0.0	0.0	-880.62	177.60	-102.14	53.81	1.455e+04	-
5.035e+04												
		-5.035e+04	-9863.46	0.65	0.0	119.5	-829.68	177.60	-102.14	53.81	2343.14	-
2.923e+04												
						239.0	-778.75	177.60	-102.14	53.81	-9863.46	-
8100.91												
59	103	6.527e+04	6395.35	0.60	0.0	0.0	-531.17	-266.19	64.98	-69.96	-9135.98	
6.527e+04												
		1777.48	-9135.98	-0.72	0.0	119.5	-480.23	-266.19	64.98	-69.96	-1370.32	
3.352e+04												

						239.0	-429.30	-266.19	64.98	-69.96	6395.35	1777.48
59	104	-7574.25	1.118e+04	-0.45	0.0	0.0	-767.01	192.73	-77.82	34.48	1.118e+04	-5.362e+04
		-5.362e+04	-7420.99	0.55	0.0	119.5	-716.07	192.73	-77.82	34.48	1879.05	-3.060e+04
						239.0	-665.14	192.73	-77.82	34.48	-7420.99	-7574.25
59	105	6.823e+04	3842.40	0.59	0.0	0.0	-647.37	-280.37	39.62	-49.97	-5628.51	6.823e+04
		1246.07	-5628.51	-0.62	0.0	119.5	-596.44	-280.37	39.62	-49.97	-893.06	3.474e+04
						239.0	-545.50	-280.37	39.62	-49.97	3842.40	1246.07
59	106	-8105.66	1.469e+04	-0.46	0.0	0.0	-883.21	178.55	-103.18	54.47	1.469e+04	-5.065e+04
		-5.065e+04	-9973.94	0.65	0.0	119.5	-832.28	178.55	-103.18	54.47	2356.31	-2.938e+04
						239.0	-781.34	178.55	-103.18	54.47	-9973.94	-8105.66
60	1	-623.71	1585.31	0.04	0.0	0.0	-313.05	-2.87	-10.72	-5.28	1585.31	623.71
		-1310.72	-977.87	-0.03	0.0	119.5	-246.83	-2.87	-10.72	-5.28	303.72	967.22
						239.0	-180.61	-2.87	-10.72	-5.28	-977.87	1310.72
60	2	1.256e+04	5503.75	0.12	0.0	0.0	-691.17	-69.97	-37.56	-14.68	5503.75	1.256e+04
		-4165.70	-3474.15	-0.06	0.0	119.5	-624.95	-69.97	-37.56	-14.68	1014.80	4196.21
						239.0	-558.73	-69.97	-37.56	-14.68	-3474.15	4165.70
60	3	-728.54	1145.52	0.03	0.0	0.0	-233.67	-0.94	-7.74	-3.89	1145.52	728.54
		-954.37	-705.10	-0.02	0.0	119.5	-182.73	-0.94	-7.74	-3.89	220.21	841.46
						239.0	-131.80	-0.94	-7.74	-3.89	-705.10	954.37
60	4	1.245e+04	5063.96	0.11	0.0	0.0	-611.79	-68.04	-34.58	-13.28	5063.96	1.245e+04
		-3809.35	-3201.38	-0.05	0.0	119.5	-560.85	-68.04	-34.58	-13.28	931.29	4321.97
						239.0	-509.92	-68.04	-34.58	-13.28	-3201.38	3809.35
60	5	-587.94	1187.32	0.03	0.0	0.0	-237.71	-1.66	-8.03	-3.99	1187.32	587.94
		-984.82	-731.73	-0.02	0.0	119.5	-186.77	-1.66	-8.03	-3.99	227.80	786.38
						239.0	-135.83	-1.66	-8.03	-3.99	-731.73	984.82
60	6	8199.95	3799.61	0.08	0.0	0.0	-489.78	-46.39	-25.92	-10.25	3799.61	8199.95
		-2888.14	-2395.91	-0.04	0.0	119.5	-438.85	-46.39	-25.92	-10.25	701.85	2655.90
						239.0	-387.91	-46.39	-25.92	-10.25	-2395.91	2888.14
60	7	-587.94	1187.32	0.03	0.0	0.0	-237.71	-1.66	-8.03	-3.99	1187.32	587.94
		-984.82	-731.73	-0.02	0.0	119.5	-186.77	-1.66	-8.03	-3.99	227.80	786.38
						239.0	-135.83	-1.66	-8.03	-3.99	-731.73	984.82
60	8	5563.59	3015.92	0.07	0.0	0.0	-414.16	-32.97	-20.55	-8.37	3015.92	5563.59
		-2317.15	-1896.66	-0.04	0.0	119.5	-363.22	-32.97	-20.55	-8.37	559.63	1623.22
						239.0	-312.29	-32.97	-20.55	-8.37	-1896.66	2317.15
60	9	-587.94	1187.32	0.03	0.0	0.0	-237.71	-1.66	-8.03	-3.99	1187.32	587.94
		-984.82	-731.73	-0.02	0.0	119.5	-186.77	-1.66	-8.03	-3.99	227.80	786.38

						239.0	-135.83	-1.66	-8.03	-3.99	-731.73	-984.82
60	10	4684.80	2754.69	0.06	0.0	0.0	-388.95	-28.50	-18.77	-7.74	2754.69	4684.80
		-2126.82	-1730.24	-0.03	0.0	119.5	-338.02	-28.50	-18.77	-7.74	512.23	1278.99
						239.0	-287.08	-28.50	-18.77	-7.74	-1730.24	-2126.82
60	11	1.317e+04	6842.42	0.05	0.0	0.0	-882.38	-58.06	67.60	-74.35	-9316.47	1.317e+04
		677.25	-9316.47	-0.32	0.0	119.5	-831.44	-58.06	67.60	-74.35	-1237.02	6923.40
						239.0	-780.50	-58.06	67.60	-74.35	6842.42	677.25
60	12	-2428.74	1556.94	-0.37	0.0	0.0	-327.94	108.33	12.88	-36.27	-1523.17	-2.961e+04
		-2.961e+04	-1523.17	0.21	0.0	119.5	-277.00	108.33	12.88	-36.27	16.88	-1.602e+04
						239.0	-226.06	108.33	12.88	-36.27	1556.94	-2428.74
60	13	3.898e+04	7032.56	0.49	0.0	0.0	-449.97	-165.33	-50.42	20.78	7032.56	3.898e+04
		-1824.89	-5017.42	-0.28	0.0	119.5	-399.03	-165.33	-50.42	20.78	1007.57	1.858e+04
						239.0	-348.09	-165.33	-50.42	20.78	-5017.42	-1824.89
60	14	-3799.96	1.483e+04	0.07	0.0	0.0	104.47	1.06	-105.13	58.86	1.483e+04	-3799.96
		-4930.88	-1.030e+04	0.26	0.0	119.5	155.41	1.06	-105.13	58.86	2261.48	-4365.42
						239.0	206.35	1.06	-105.13	58.86	-1.030e+04	-4930.88
60	15	1.324e+04	7363.62	0.06	0.0	0.0	-905.74	-58.68	72.85	-79.23	-1.005e+04	1.324e+04
		608.53	-1.005e+04	-0.35	0.0	119.5	-854.80	-58.68	72.85	-79.23	-1342.64	6923.23
						239.0	-803.87	-58.68	72.85	-79.23	7363.62	608.53
60	16	-2360.03	1035.74	-0.38	0.0	0.0	-304.57	108.94	7.64	-31.39	-790.73	-2.968e+04
		-2.968e+04	-790.73	0.23	0.0	119.5	-253.63	108.94	7.64	-31.39	122.50	-1.602e+04
						239.0	-202.70	108.94	7.64	-31.39	1035.74	-2360.03
60	17	3.905e+04	6300.12	0.50	0.0	0.0	-473.33	-165.95	-45.17	15.90	6300.12	3.905e+04
		-1893.60	-4496.22	-0.30	0.0	119.5	-422.40	-165.95	-45.17	15.90	901.95	1.858e+04
						239.0	-371.46	-165.95	-45.17	15.90	-4496.22	-1893.60
60	18	-3868.33	1.556e+04	0.06	0.0	0.0	127.84	1.68	-110.38	63.74	1.556e+04	-3868.33
		-4862.17	-1.082e+04	0.28	0.0	119.5	178.77	1.68	-110.38	63.74	2367.10	-4365.25
						239.0	229.71	1.68	-110.38	63.74	-1.082e+04	-4862.17
60	19	1.244e+04	7403.54	0.26	0.0	0.0	-884.76	-52.46	72.85	-77.71	-1.001e+04	1.244e+04
		743.33	-1.001e+04	-0.54	0.0	119.5	-833.82	-52.46	72.85	-77.71	-1302.62	6590.34
						239.0	-782.88	-52.46	72.85	-77.71	7403.54	743.33
60	20	-2362.66	2118.06	-0.16	0.0	0.0	-330.32	113.93	18.13	-39.64	-2215.49	-3.035e+04
		-3.035e+04	-2215.49	-6.90e-03	0.0	119.5	-279.38	113.93	18.13	-39.64	-48.71	-1.635e+04
						239.0	-228.44	113.93	18.13	-39.64	2118.06	-2362.66
60	21	3.971e+04	7724.88	0.29	0.0	0.0	-447.59	-170.94	-55.66	24.15	7724.88	3.971e+04
		-1890.97	-5578.54	-0.06	0.0	119.5	-396.65	-170.94	-55.66	24.15	1073.17	1.891e+04
						239.0	-345.71	-170.94	-55.66	24.15	-5578.54	-1890.97
60	22	-3067.75	1.552e+04	-0.14	0.0	0.0	106.85	-4.54	-110.38	62.23	1.552e+04	-

3067.75												
		-4996.96	-1.086e+04	0.47	0.0	119.5	157.79	-4.54	-110.38	62.23	2327.07	-
4032.36												
						239.0	208.73	-4.54	-110.38	62.23	-1.086e+04	-
4996.96												
60	23	1.251e+04	7924.74	0.27	0.0	0.0	-908.12	-53.07	78.09	-82.60	-1.074e+04	
1.251e+04												
		674.62	-1.074e+04	-0.57	0.0	119.5	-857.19	-53.07	78.09	-82.60	-1408.24	
6590.16												
						239.0	-806.25	-53.07	78.09	-82.60	7924.74	674.62
60	24	-2293.94	1596.86	-0.17	0.0	0.0	-306.95	114.55	12.88	-34.75	-1483.05	-
3.041e+04												
		-3.041e+04	-1483.05	0.02	0.0	119.5	-256.01	114.55	12.88	-34.75	56.91	-
1.635e+04												
						239.0	-205.08	114.55	12.88	-34.75	1596.86	-
2293.94												
60	25	3.978e+04	6992.44	0.29	0.0	0.0	-470.95	-171.55	-50.42	19.26	6992.44	
3.978e+04												
		-1959.69	-5057.34	-0.09	0.0	119.5	-420.02	-171.55	-50.42	19.26	967.55	
1.891e+04												
						239.0	-369.08	-171.55	-50.42	19.26	-5057.34	-
1959.69												
60	26	-3136.12	1.625e+04	-0.14	0.0	0.0	130.22	-3.93	-115.62	67.11	1.625e+04	-
3136.12												
		-4928.25	-1.139e+04	0.50	0.0	119.5	181.16	-3.93	-115.62	67.11	2432.70	-
4032.18												
						239.0	232.09	-3.93	-115.62	67.11	-1.139e+04	-
4928.25												
60	27	7.212e+04	8857.88	0.71	0.0	0.0	-1377.88	-289.73	90.13	-85.48	-1.269e+04	
7.212e+04												
		3425.16	-1.269e+04	-0.93	0.0	119.5	-1326.94	-289.73	90.13	-85.48	-1914.30	
3.777e+04												
						239.0	-1276.00	-289.73	90.13	-85.48	8857.88	
3425.16												
60	28	-6928.15	1.329e+04	-0.71	0.0	0.0	470.25	264.91	-92.26	41.45	1.329e+04	-
7.049e+04												
		-7.049e+04	-8760.40	0.85	0.0	119.5	521.19	264.91	-92.26	41.45	2265.38	-
3.871e+04												
						239.0	572.13	264.91	-92.26	41.45	-8760.40	-
6928.15												
60	29	7.986e+04	5299.93	0.84	0.0	0.0	-1248.16	-321.91	54.73	-56.94	-7781.77	
7.986e+04												
		2674.52	-7781.77	-0.92	0.0	119.5	-1197.22	-321.91	54.73	-56.94	-1240.92	
4.127e+04												
						239.0	-1146.28	-321.91	54.73	-56.94	5299.93	
2674.52												
60	30	-7678.79	1.820e+04	-0.58	0.0	0.0	599.97	232.73	-127.66	69.99	1.820e+04	-
6.275e+04												
		-6.275e+04	-1.232e+04	0.87	0.0	119.5	650.91	232.73	-127.66	69.99	2938.76	-
3.521e+04												
						239.0	701.85	232.73	-127.66	69.99	-1.232e+04	-
7678.79												
60	31	7.190e+04	9026.21	0.77	0.0	0.0	-1378.59	-288.05	91.71	-86.49	-1.289e+04	
7.190e+04												
		3444.99	-1.289e+04	-1.00	0.0	119.5	-1327.66	-288.05	91.71	-86.49	-1933.98	
3.767e+04												
						239.0	-1276.72	-288.05	91.71	-86.49	9026.21	
3444.99												
60	32	-6908.33	1.308e+04	-0.65	0.0	0.0	469.54	266.59	-90.69	40.44	1.308e+04	-
7.071e+04												
		-7.071e+04	-8592.07	0.79	0.0	119.5	520.48	266.59	-90.69	40.44	2245.70	-
3.881e+04												
						239.0	571.41	266.59	-90.69	40.44	-8592.07	-
6908.33												
60	33	8.008e+04	5131.59	0.78	0.0	0.0	-1247.44	-323.59	53.15	-55.93	-7574.08	
8.008e+04												
		2654.69	-7574.08	-0.86	0.0	119.5	-1196.51	-323.59	53.15	-55.93	-1221.24	
4.137e+04												
						239.0	-1145.57	-323.59	53.15	-55.93	5131.59	
2654.69												
60	34	-7698.62	1.840e+04	-0.64	0.0	0.0	600.69	231.05	-129.24	71.00	1.840e+04	-
6.253e+04												

		-6.253e+04	-1.249e+04	0.93	0.0	119.5	651.63	231.05	-129.24	71.00	2958.44	-3.511e+04
						239.0	702.56	231.05	-129.24	71.00	-1.249e+04	-7698.62
60	35	7.234e+04	1.060e+04	0.73	0.0	0.0	-1455.77	-291.78	107.62	-101.76	-1.513e+04	7.234e+04
		3196.11	-1.513e+04	-1.01	0.0	119.5	-1404.83	-291.78	107.62	-101.76	-2266.38	3.777e+04
						239.0	-1353.89	-291.78	107.62	-101.76	1.060e+04	3196.11
60	36	-6699.10	1.573e+04	-0.73	0.0	0.0	548.14	266.96	-109.74	57.73	1.573e+04	-7.072e+04
		-7.072e+04	-1.050e+04	0.93	0.0	119.5	599.08	266.96	-109.74	57.73	2617.45	-3.871e+04
						239.0	650.01	266.96	-109.74	57.73	-1.050e+04	-6699.10
60	37	8.009e+04	7037.25	0.86	0.0	0.0	-1326.04	-323.96	72.21	-73.22	-1.022e+04	8.009e+04
		2445.47	-1.022e+04	-1.00	0.0	119.5	-1275.11	-323.96	72.21	-73.22	-1593.00	4.127e+04
						239.0	-1224.17	-323.96	72.21	-73.22	7037.25	2445.47
60	38	-7449.74	2.064e+04	-0.60	0.0	0.0	677.86	234.78	-145.15	86.27	2.064e+04	-6.298e+04
		-6.298e+04	-1.406e+04	0.94	0.0	119.5	728.80	234.78	-145.15	86.27	3290.83	-3.521e+04
						239.0	779.74	234.78	-145.15	86.27	-1.406e+04	-7449.74
60	39	7.213e+04	1.076e+04	0.79	0.0	0.0	-1456.48	-290.10	109.19	-102.77	-1.534e+04	7.213e+04
		3215.93	-1.534e+04	-1.08	0.0	119.5	-1405.54	-290.10	109.19	-102.77	-2286.05	3.767e+04
						239.0	-1354.61	-290.10	109.19	-102.77	1.076e+04	3215.93
60	40	-6679.27	1.552e+04	-0.67	0.0	0.0	547.42	268.64	-108.17	56.72	1.552e+04	-7.094e+04
		-7.094e+04	-1.033e+04	0.86	0.0	119.5	598.36	268.64	-108.17	56.72	2597.77	-3.881e+04
						239.0	649.30	268.64	-108.17	56.72	-1.033e+04	-6679.27
60	41	8.031e+04	6868.91	0.80	0.0	0.0	-1325.33	-325.64	70.64	-72.21	-1.002e+04	8.031e+04
		2425.64	-1.002e+04	-0.93	0.0	119.5	-1274.39	-325.64	70.64	-72.21	-1573.32	4.137e+04
						239.0	-1223.45	-325.64	70.64	-72.21	6868.91	2425.64
60	42	-7469.56	2.085e+04	-0.66	0.0	0.0	678.58	233.10	-146.72	87.28	2.085e+04	-6.276e+04
		-6.276e+04	-1.422e+04	1.01	0.0	119.5	729.51	233.10	-146.72	87.28	3310.51	-3.511e+04
						239.0	780.45	233.10	-146.72	87.28	-1.422e+04	-7469.56
60	43	1.142e+04	5054.56	0.06	0.0	0.0	-779.85	-52.00	49.61	-60.45	-6803.93	1.142e+04
		43.96	-6803.93	-0.26	0.0	119.5	-728.92	-52.00	49.61	-60.45	-874.69	5729.63
						239.0	-677.98	-52.00	49.61	-60.45	5054.56	43.96
60	44	-2402.53	869.73	-0.28	0.0	0.0	-340.43	79.87	6.28	-30.28	-630.75	-2.249e+04
		-2.249e+04	-630.75	0.16	0.0	119.5	-289.49	79.87	6.28	-30.28	119.49	-1.245e+04
						239.0	-238.56	79.87	6.28	-30.28	869.73	-2402.53
60	45	3.186e+04	6140.14	0.40	0.0	0.0	-437.47	-136.88	-43.81	14.79	6140.14	3.186e+04
		-1851.10	-4330.21	-0.23	0.0	119.5	-386.54	-136.88	-43.81	14.79	904.97	1.501e+04
						239.0	-335.60	-136.88	-43.81	14.79	-4330.21	-1851.10
60	46	-2045.71	1.231e+04	0.07	0.0	0.0	1.95	-5.00	-87.14	44.96	1.231e+04	-2045.71
		-4297.59	-8515.03	0.20	0.0	119.5	52.89	-5.00	-87.14	44.96	1899.14	-

3171.65												
						239.0	103.82	-5.00	-87.14	44.96	-8515.03	-
4297.59												
60	47	1.147e+04	5467.20	0.06	0.0	0.0	-798.37	-52.48	53.77	-64.32	-7384.19	
1.147e+04												
		-12.77	-7384.19	-0.28	0.0	119.5	-747.43	-52.48	53.77	-64.32	-958.49	
5728.34												
						239.0	-696.50	-52.48	53.77	-64.32	5467.20	-12.77
60	48	-2345.80	457.09	-0.29	0.0	0.0	-321.91	80.36	2.12	-26.41	-50.49	-
2.255e+04												
		-2.255e+04	-50.49	0.18	0.0	119.5	-270.97	80.36	2.12	-26.41	203.30	-
1.245e+04												
						239.0	-220.04	80.36	2.12	-26.41	457.09	-
2345.80												
60	49	3.192e+04	5559.88	0.41	0.0	0.0	-455.99	-137.36	-39.65	10.92	5559.88	
3.192e+04												
		-1907.83	-3917.56	-0.25	0.0	119.5	-405.06	-137.36	-39.65	10.92	821.16	
1.501e+04												
						239.0	-354.12	-137.36	-39.65	10.92	-3917.56	-
1907.83												
60	50	-2099.85	1.289e+04	0.06	0.0	0.0	20.47	-4.52	-91.30	48.83	1.289e+04	-
2099.85												
		-4240.86	-8927.68	0.21	0.0	119.5	71.40	-4.52	-91.30	48.83	1982.95	-
3170.36												
						239.0	122.34	-4.52	-91.30	48.83	-8927.68	-
4240.86												
60	51	1.084e+04	5498.58	0.22	0.0	0.0	-781.73	-47.58	53.76	-63.10	-7352.25	
1.084e+04												
		85.82	-7352.25	-0.44	0.0	119.5	-730.79	-47.58	53.76	-63.10	-926.84	
5461.41												
						239.0	-679.85	-47.58	53.76	-63.10	5498.58	85.82
60	52	-2360.67	1313.76	-0.12	0.0	0.0	-342.30	84.30	10.43	-32.93	-1179.07	-
2.307e+04												
		-2.307e+04	-1179.07	-0.01	0.0	119.5	-291.37	84.30	10.43	-32.93	67.34	-
1.272e+04												
						239.0	-240.43	84.30	10.43	-32.93	1313.76	-
2360.67												
60	53	3.244e+04	6688.46	0.24	0.0	0.0	-435.60	-141.30	-47.96	17.44	6688.46	
3.244e+04												
		-1892.96	-4774.23	-0.06	0.0	119.5	-384.66	-141.30	-47.96	17.44	957.11	
1.527e+04												
						239.0	-333.73	-141.30	-47.96	17.44	-4774.23	-
1892.96												
60	54	-1467.41	1.286e+04	-0.10	0.0	0.0	3.82	-9.42	-91.29	47.61	1.286e+04	-
1467.41												
		-4339.45	-8959.05	0.37	0.0	119.5	54.76	-9.42	-91.29	47.61	1951.29	-
2903.43												
						239.0	105.70	-9.42	-91.29	47.61	-8959.05	-
4339.45												
60	55	1.089e+04	5911.22	0.23	0.0	0.0	-800.25	-48.06	57.92	-66.97	-7932.51	
1.089e+04												
		29.09	-7932.51	-0.46	0.0	119.5	-749.31	-48.06	57.92	-66.97	-1010.64	
5460.12												
						239.0	-698.37	-48.06	57.92	-66.97	5911.22	29.09
60	56	-2303.94	901.11	-0.12	0.0	0.0	-323.79	84.78	6.27	-29.06	-598.81	-
2.313e+04												
		-2.313e+04	-598.81	5.99e-03	0.0	119.5	-272.85	84.78	6.27	-29.06	151.15	-
1.272e+04												
						239.0	-221.91	84.78	6.27	-29.06	901.11	-
2303.94												
60	57	3.250e+04	6108.20	0.25	0.0	0.0	-454.12	-141.78	-43.81	13.57	6108.20	
3.250e+04												
		-1949.69	-4361.59	-0.08	0.0	119.5	-403.18	-141.78	-43.81	13.57	873.31	
1.527e+04												
						239.0	-352.24	-141.78	-43.81	13.57	-4361.59	-
1949.69												
60	58	-1521.56	1.344e+04	-0.10	0.0	0.0	22.34	-8.94	-95.45	51.48	1.344e+04	-
1521.56												
		-4282.72	-9371.70	0.39	0.0	119.5	73.28	-8.94	-95.45	51.48	2035.10	-
2902.14												
						239.0	124.22	-8.94	-95.45	51.48	-9371.70	-
4282.72												

60	59	5.813e+04	6652.18	0.57	0.0	0.0	-1172.68	-235.56	67.47	-69.31	-9475.54	
5.813e+04												
		2234.93	-9475.54	-0.75	0.0	119.5	-1121.74	-235.56	67.47	-69.31	-1411.68	
3.018e+04												
						239.0	-1070.81	-235.56	67.47	-69.31	6652.18	
2234.93												
60	60	-5920.04	1.110e+04	-0.55	0.0	0.0	292.06	204.02	-76.98	31.25	1.110e+04	-
5.490e+04												
		-5.490e+04	-7297.23	0.67	0.0	119.5	343.00	204.02	-76.98	31.25	1902.24	-
3.041e+04												
						239.0	393.94	204.02	-76.98	31.25	-7297.23	-
5920.04												
60	61	6.427e+04	3836.75	0.68	0.0	0.0	-1069.97	-261.02	39.45	-46.74	-5592.32	
6.427e+04												
		1666.41	-5592.32	-0.74	0.0	119.5	-1019.03	-261.02	39.45	-46.74	-877.79	
3.297e+04												
						239.0	-968.09	-261.02	39.45	-46.74	3836.75	
1666.41												
60	62	-6488.56	1.498e+04	-0.45	0.0	0.0	394.78	178.56	-105.00	53.82	1.498e+04	-
4.876e+04												
		-4.876e+04	-1.011e+04	0.68	0.0	119.5	445.71	178.56	-105.00	53.82	2436.14	-
2.763e+04												
						239.0	496.65	178.56	-105.00	53.82	-1.011e+04	-
6488.56												
60	63	5.796e+04	6785.39	0.62	0.0	0.0	-1173.24	-234.23	68.72	-70.11	-9640.04	
5.796e+04												
		2247.49	-9640.04	-0.80	0.0	119.5	-1122.31	-234.23	68.72	-70.11	-1427.33	
3.010e+04												
						239.0	-1071.37	-234.23	68.72	-70.11	6785.39	
2247.49												
60	64	-5907.48	1.094e+04	-0.50	0.0	0.0	291.50	205.35	-75.73	30.45	1.094e+04	-
5.507e+04												
		-5.507e+04	-7164.02	0.62	0.0	119.5	342.44	205.35	-75.73	30.45	1886.60	-
3.049e+04												
						239.0	393.37	205.35	-75.73	30.45	-7164.02	-
5907.48												
60	65	6.444e+04	3703.54	0.63	0.0	0.0	-1069.40	-262.35	38.20	-45.94	-5427.83	
6.444e+04												
		1653.85	-5427.83	-0.69	0.0	119.5	-1018.47	-262.35	38.20	-45.94	-862.14	
3.305e+04												
						239.0	-967.53	-262.35	38.20	-45.94	3703.54	
1653.85												
60	66	-6501.12	1.515e+04	-0.50	0.0	0.0	395.34	177.23	-106.25	54.62	1.515e+04	-
4.859e+04												
		-4.859e+04	-1.025e+04	0.73	0.0	119.5	446.28	177.23	-106.25	54.62	2451.78	-
2.755e+04												
						239.0	497.21	177.23	-106.25	54.62	-1.025e+04	-
6501.12												
60	67	5.831e+04	8027.66	0.59	0.0	0.0	-1234.41	-237.18	81.32	-82.22	-1.141e+04	
5.831e+04												
		2045.83	-1.141e+04	-0.81	0.0	119.5	-1183.47	-237.18	81.32	-82.22	-1691.04	
3.018e+04												
						239.0	-1132.53	-237.18	81.32	-82.22	8027.66	
2045.83												
60	68	-5730.95	1.304e+04	-0.57	0.0	0.0	353.79	205.64	-90.83	44.16	1.304e+04	-
5.508e+04												
		-5.508e+04	-8672.71	0.73	0.0	119.5	404.73	205.64	-90.83	44.16	2181.60	-
3.041e+04												
						239.0	455.66	205.64	-90.83	44.16	-8672.71	-
5730.95												
60	69	6.445e+04	5212.24	0.69	0.0	0.0	-1131.69	-262.64	53.29	-59.65	-7526.52	
6.445e+04												
		1477.32	-7526.52	-0.80	0.0	119.5	-1080.76	-262.64	53.29	-59.65	-1157.14	
3.296e+04												
						239.0	-1029.82	-262.64	53.29	-59.65	5212.24	
1477.32												
60	70	-6299.46	1.692e+04	-0.47	0.0	0.0	456.50	180.18	-118.85	66.73	1.692e+04	-
4.895e+04												
		-4.895e+04	-1.149e+04	0.74	0.0	119.5	507.44	180.18	-118.85	66.73	2715.49	-
2.762e+04												
						239.0	558.38	180.18	-118.85	66.73	-1.149e+04	-
6299.46												

60	71	5.814e+04	8160.87	0.64	0.0	0.0	-1234.97	-235.85	82.57	-83.01	-1.157e+04	5.814e+04
		2058.39	-1.157e+04	-0.86	0.0	119.5	-1184.03	-235.85	82.57	-83.01	-1706.68	3.010e+04
						239.0	-1133.10	-235.85	82.57	-83.01	8160.87	2058.39
60	72	-5718.39	1.287e+04	-0.52	0.0	0.0	353.23	206.97	-89.58	43.36	1.287e+04	-5.525e+04
		-5.525e+04	-8539.51	0.68	0.0	119.5	404.16	206.97	-89.58	43.36	2165.95	-3.049e+04
						239.0	455.10	206.97	-89.58	43.36	-8539.51	-5718.39
60	73	6.462e+04	5079.03	0.64	0.0	0.0	-1131.13	-263.97	52.05	-58.85	-7362.02	6.462e+04
		1464.76	-7362.02	-0.75	0.0	119.5	-1080.19	-263.97	52.05	-58.85	-1141.50	3.304e+04
						239.0	-1029.26	-263.97	52.05	-58.85	5079.03	1464.76
60	74	-6312.02	1.708e+04	-0.51	0.0	0.0	457.07	178.85	-120.10	67.52	1.708e+04	-4.877e+04
		-4.877e+04	-1.162e+04	0.79	0.0	119.5	508.00	178.85	-120.10	67.52	2731.14	-2.754e+04
						239.0	558.94	178.85	-120.10	67.52	-1.162e+04	-6312.02
60	75	1.025e+04	3877.64	0.06	0.0	0.0	-712.03	-47.91	37.75	-51.32	-5145.54	1.025e+04
		-328.93	-5145.54	-0.22	0.0	119.5	-661.09	-47.91	37.75	-51.32	-633.95	4958.53
						239.0	-610.15	-47.91	37.75	-51.32	3877.64	328.93
60	76	-2351.21	419.06	-0.22	0.0	0.0	-348.88	61.07	1.94	-26.39	-43.78	-1.778e+04
		-1.778e+04	-43.78	0.13	0.0	119.5	-297.95	61.07	1.94	-26.39	187.64	-1.006e+04
						239.0	-247.01	61.07	1.94	-26.39	419.06	2351.21
60	77	2.715e+04	5553.17	0.35	0.0	0.0	-429.02	-118.07	-39.47	10.90	5553.17	2.715e+04
		-1902.42	-3879.53	-0.20	0.0	119.5	-378.08	-118.07	-39.47	10.90	836.82	1.262e+04
						239.0	-327.15	-118.07	-39.47	10.90	-3879.53	1902.42
60	78	-876.40	1.065e+04	0.07	0.0	0.0	-65.88	-9.09	-75.28	35.83	1.065e+04	876.40
		-3924.70	-7338.11	0.16	0.0	119.5	-14.94	-9.09	-75.28	35.83	1658.41	2400.55
						239.0	36.00	-9.09	-75.28	35.83	-7338.11	3924.70
60	79	1.029e+04	4218.66	0.06	0.0	0.0	-727.33	-48.31	41.18	-54.52	-5625.07	1.029e+04
		-375.75	-5625.07	-0.24	0.0	119.5	-676.39	-48.31	41.18	-54.52	-703.21	4957.49
						239.0	-625.46	-48.31	41.18	-54.52	4218.66	375.75
60	80	-2304.39	435.75	-0.23	0.0	0.0	-333.58	61.47	-1.50	-23.19	435.75	1.782e+04
		-1.782e+04	78.03	0.14	0.0	119.5	-282.64	61.47	-1.50	-23.19	256.89	1.006e+04
						239.0	-231.71	61.47	-1.50	-23.19	78.03	2304.39
60	81	2.719e+04	5073.64	0.35	0.0	0.0	-444.32	-118.47	-36.03	7.70	5073.64	2.719e+04
		-1949.24	-3538.51	-0.21	0.0	119.5	-393.39	-118.47	-36.03	7.70	767.56	1.262e+04
						239.0	-342.45	-118.47	-36.03	7.70	-3538.51	1949.24
60	82	-921.14	1.113e+04	0.06	0.0	0.0	-50.57	-8.69	-78.71	39.03	1.113e+04	921.14
		-3877.88	-7679.14	0.17	0.0	119.5	0.36	-8.69	-78.71	39.03	1727.66	2399.51
						239.0	51.30	-8.69	-78.71	39.03	-7679.14	3877.88

60	83	9768.07	4244.46	0.19	0.0	0.0	-713.58	-44.25	41.18	-53.51	-5598.53	9768.07
		-293.99	-5598.53	-0.37	0.0	119.5	-662.64	-44.25	41.18	-53.51	-677.04	4737.04
						239.0	-611.70	-44.25	41.18	-53.51	4244.46	-293.99
60	84	-2316.26	785.88	-0.09	0.0	0.0	-350.43	64.73	5.37	-28.58	-496.77	-1.826e+04
		-1.826e+04	-496.77	-0.02	0.0	119.5	-299.49	64.73	5.37	-28.58	144.55	-1.029e+04
						239.0	-248.56	64.73	5.37	-28.58	785.88	-2316.26
60	85	2.763e+04	6006.16	0.21	0.0	0.0	-427.47	-121.73	-42.90	13.09	6006.16	2.763e+04
		-1937.37	-4246.35	-0.05	0.0	119.5	-376.54	-121.73	-42.90	13.09	879.90	1.284e+04
						239.0	-325.60	-121.73	-42.90	13.09	-4246.35	-1937.37
60	86	-398.48	1.111e+04	-0.07	0.0	0.0	-64.33	-12.75	-78.71	38.02	1.111e+04	-398.48
		-3959.64	-7704.93	0.30	0.0	119.5	-13.39	-12.75	-78.71	38.02	1701.49	-2179.06
						239.0	37.55	-12.75	-78.71	38.02	-7704.93	-3959.64
60	87	9812.81	4585.48	0.20	0.0	0.0	-728.88	-44.66	44.61	-56.71	-6078.06	9812.81
		-340.80	-6078.06	-0.38	0.0	119.5	-677.94	-44.66	44.61	-56.71	-746.29	4736.01
						239.0	-627.00	-44.66	44.61	-56.71	4585.48	-340.80
60	88	-2269.45	444.85	-0.09	0.0	0.0	-335.13	65.13	1.93	-25.38	-17.24	-1.830e+04
		-1.830e+04	-17.24	-1.53e-03	0.0	119.5	-284.19	65.13	1.93	-25.38	213.81	-1.028e+04
						239.0	-233.25	65.13	1.93	-25.38	444.85	-2269.45
60	89	2.767e+04	5526.62	0.21	0.0	0.0	-442.78	-122.13	-39.46	9.89	5526.62	2.767e+04
		-1984.18	-3905.33	-0.07	0.0	119.5	-391.84	-122.13	-39.46	9.89	810.65	1.284e+04
						239.0	-340.90	-122.13	-39.46	9.89	-3905.33	-1984.18
60	90	-443.22	1.159e+04	-0.07	0.0	0.0	-49.03	-12.34	-82.14	41.22	1.159e+04	-443.22
		-3912.83	-8045.96	0.31	0.0	119.5	1.91	-12.34	-82.14	41.22	1770.75	-2178.02
						239.0	52.85	-12.34	-82.14	41.22	-8045.96	-3912.83
60	91	4.886e+04	5197.64	0.48	0.0	0.0	-1036.64	-199.61	52.51	-58.63	-7353.04	4.886e+04
		1479.66	-7353.04	-0.62	0.0	119.5	-985.71	-199.61	52.51	-58.63	-1077.70	2.517e+04
						239.0	-934.77	-199.61	52.51	-58.63	5197.64	-1479.66
60	92	-5261.25	9652.82	-0.45	0.0	0.0	173.84	163.66	-66.87	24.48	9652.82	-4.456e+04
		-4.456e+04	-6330.96	0.55	0.0	119.5	224.77	163.66	-66.87	24.48	1660.93	-2.491e+04
						239.0	275.71	163.66	-66.87	24.48	-6330.96	-5261.25
60	93	5.393e+04	2870.49	0.57	0.0	0.0	-951.74	-220.66	29.34	-39.97	-4143.43	5.393e+04
		1007.62	-4143.43	-0.62	0.0	119.5	-900.80	-220.66	29.34	-39.97	-636.47	2.747e+04
						239.0	-849.87	-220.66	29.34	-39.97	2870.49	-1007.62
60	94	-5733.30	1.286e+04	-0.36	0.0	0.0	258.74	142.61	-90.04	43.14	1.286e+04	-3.949e+04
		-3.949e+04	-8658.11	0.56	0.0	119.5	309.68	142.61	-90.04	43.14	2102.16	-2.261e+04
						239.0	360.61	142.61	-90.04	43.14	-8658.11	-5733.30

60	95	4.871e+04	5307.68	0.52	0.0	0.0	-1037.11	-198.51	53.54	-59.29	-7488.94	
4.871e+04												
		1490.15	-7488.94	-0.67	0.0	119.5	-986.17	-198.51	53.54	-59.29	-1090.63	
2.510e+04												
						239.0	-935.23	-198.51	53.54	-59.29	5307.68	
1490.15												
60	96	-5250.76	9516.92	-0.41	0.0	0.0	173.37	164.76	-65.84	23.82	9516.92	-
4.470e+04												
		-4.470e+04	-6220.92	0.50	0.0	119.5	224.31	164.76	-65.84	23.82	1648.00	-
2.498e+04												
						239.0	275.25	164.76	-65.84	23.82	-6220.92	-
5250.76												
60	97	5.407e+04	2760.44	0.53	0.0	0.0	-951.28	-221.76	28.31	-39.31	-4007.53	
5.407e+04												
		997.13	-4007.53	-0.57	0.0	119.5	-900.34	-221.76	28.31	-39.31	-623.55	
2.753e+04												
						239.0	-849.40	-221.76	28.31	-39.31	2760.44	997.13
60	98	-5743.78	1.300e+04	-0.40	0.0	0.0	259.20	141.51	-91.07	43.80	1.300e+04	-
3.934e+04												
		-3.934e+04	-8768.16	0.60	0.0	119.5	310.14	141.51	-91.07	43.80	2115.08	-
2.254e+04												
						239.0	361.08	141.51	-91.07	43.80	-8768.16	-
5743.78												
60	99	4.900e+04	6334.38	0.50	0.0	0.0	-1087.66	-200.95	63.95	-69.30	-8951.49	
4.900e+04												
		1323.61	-8951.49	-0.67	0.0	119.5	-1036.72	-200.95	63.95	-69.30	-1308.55	
2.516e+04												
						239.0	-985.78	-200.95	63.95	-69.30	6334.38	
1323.61												
60	100	-5105.20	1.125e+04	-0.46	0.0	0.0	224.85	165.00	-78.32	35.14	1.125e+04	-
4.471e+04												
		-4.471e+04	-7467.71	0.60	0.0	119.5	275.79	165.00	-78.32	35.14	1891.78	-
2.491e+04												
						239.0	326.72	165.00	-78.32	35.14	-7467.71	-
5105.20												
60	101	5.408e+04	4007.23	0.58	0.0	0.0	-1002.75	-222.00	40.79	-50.63	-5741.87	
5.408e+04												
		851.56	-5741.87	-0.67	0.0	119.5	-951.82	-222.00	40.79	-50.63	-867.32	
2.746e+04												
						239.0	-900.88	-222.00	40.79	-50.63	4007.23	851.56
60	102	-5577.24	1.446e+04	-0.37	0.0	0.0	309.75	143.95	-101.48	53.81	1.446e+04	-
3.964e+04												
		-3.964e+04	-9794.86	0.61	0.0	119.5	360.69	143.95	-101.48	53.81	2333.01	-
2.261e+04												
						239.0	411.63	143.95	-101.48	53.81	-9794.86	-
5577.24												
60	103	4.886e+04	6444.43	0.54	0.0	0.0	-1088.12	-199.85	64.98	-69.96	-9087.38	
4.886e+04												
		1334.10	-9087.38	-0.72	0.0	119.5	-1037.18	-199.85	64.98	-69.96	-1321.48	
2.510e+04												
						239.0	-986.24	-199.85	64.98	-69.96	6444.43	
1334.10												
60	104	-5094.71	1.112e+04	-0.42	0.0	0.0	224.38	166.10	-77.29	34.49	1.112e+04	-
4.485e+04												
		-4.485e+04	-7357.66	0.55	0.0	119.5	275.32	166.10	-77.29	34.49	1878.85	-
2.497e+04												
						239.0	326.26	166.10	-77.29	34.49	-7357.66	-
5094.71												
60	105	5.422e+04	3897.18	0.54	0.0	0.0	-1002.29	-223.10	39.76	-49.98	-5605.98	
5.422e+04												
		841.08	-5605.98	-0.62	0.0	119.5	-951.35	-223.10	39.76	-49.98	-854.40	
2.753e+04												
						239.0	-900.41	-223.10	39.76	-49.98	3897.18	841.08
60	106	-5587.73	1.460e+04	-0.41	0.0	0.0	310.21	142.85	-102.51	54.47	1.460e+04	-
3.949e+04												
		-3.949e+04	-9904.90	0.65	0.0	119.5	361.15	142.85	-102.51	54.47	2345.93	-
2.254e+04												
						239.0	412.09	142.85	-102.51	54.47	-9904.90	-
5587.73												
64	1	-1071.51	415.84	5.31e-03	0.0	0.0	-406.72	-8.11	-3.67	-1.56	415.84	-
1071.51												
		-3009.30	-460.57	-0.03	0.0	119.5	-340.50	-8.11	-3.67	-1.56	-22.36	-

2040.40												
						239.0	-274.28	-8.11	-3.67	-1.56	-460.57	-
3009.30												
64	2	-4351.84	4283.92	0.02	0.0	0.0	-1713.05	-56.98	-38.61	-2.88	4283.92	-
4351.84												
		-1.797e+04	-4943.43	-0.09	0.0	119.5	-1646.83	-56.98	-38.61	-2.88	-329.76	-
1.116e+04												
						239.0	-1580.61	-56.98	-38.61	-2.88	-4943.43	-
1.797e+04												
64	3	-762.33	246.88	3.81e-03	0.0	0.0	-288.21	-5.31	-2.16	-1.17	246.88	-
762.33												
		-2032.50	-269.68	-0.02	0.0	119.5	-237.27	-5.31	-2.16	-1.17	-11.40	-
1397.42												
						239.0	-186.33	-5.31	-2.16	-1.17	-269.68	-
2032.50												
64	4	-4042.66	4114.96	0.02	0.0	0.0	-1594.53	-54.19	-37.10	-2.50	4114.96	-
4042.66												
		-1.699e+04	-4752.54	-0.09	0.0	119.5	-1543.60	-54.19	-37.10	-2.50	-318.79	-
1.052e+04												
						239.0	-1492.66	-54.19	-37.10	-2.50	-4752.54	-
1.699e+04												
64	5	-797.32	288.14	3.97e-03	0.0	0.0	-302.14	-5.84	-2.53	-1.19	288.14	-
797.32												
		-2192.09	-317.50	-0.02	0.0	119.5	-251.20	-5.84	-2.53	-1.19	-14.68	-
1494.70												
						239.0	-200.27	-5.84	-2.53	-1.19	-317.50	-
2192.09												
64	6	-2984.21	2866.86	0.01	0.0	0.0	-1173.03	-38.42	-25.83	-2.07	2866.86	-
2984.21												
		-1.217e+04	-3306.07	-0.06	0.0	119.5	-1122.09	-38.42	-25.83	-2.07	-219.61	-
7575.19												
						239.0	-1071.15	-38.42	-25.83	-2.07	-3306.07	-
1.217e+04												
64	7	-797.32	288.14	3.97e-03	0.0	0.0	-302.14	-5.84	-2.53	-1.19	288.14	-
797.32												
		-2192.09	-317.50	-0.02	0.0	119.5	-251.20	-5.84	-2.53	-1.19	-14.68	-
1494.70												
						239.0	-200.27	-5.84	-2.53	-1.19	-317.50	-
2192.09												
64	8	-2328.14	2093.24	0.01	0.0	0.0	-911.76	-28.64	-18.84	-1.81	2093.24	-
2328.14												
		-9173.94	-2409.50	-0.05	0.0	119.5	-860.82	-28.64	-18.84	-1.81	-158.13	-
5751.04												
						239.0	-809.89	-28.64	-18.84	-1.81	-2409.50	-
9173.94												
64	9	-797.32	288.14	3.97e-03	0.0	0.0	-302.14	-5.84	-2.53	-1.19	288.14	-
797.32												
		-2192.09	-317.50	-0.02	0.0	119.5	-251.20	-5.84	-2.53	-1.19	-14.68	-
1494.70												
						239.0	-200.27	-5.84	-2.53	-1.19	-317.50	-
2192.09												
64	10	-2109.45	1835.37	0.01	0.0	0.0	-824.67	-25.39	-16.51	-1.72	1835.37	-
2109.45												
		-8176.54	-2110.64	-0.05	0.0	119.5	-773.73	-25.39	-16.51	-1.72	-137.64	-
5142.99												
						239.0	-722.80	-25.39	-16.51	-1.72	-2110.64	-
8176.54												
64	11	6560.03	1.743e+04	-0.05	0.0	0.0	641.36	20.44	133.75	-36.40	-1.454e+04	
4144.35												
		4144.35	-1.454e+04	-0.21	0.0	119.5	692.30	20.44	133.75	-36.40	1443.13	
5352.19												
						239.0	743.24	20.44	133.75	-36.40	1.743e+04	
6560.03												
64	12	1.975e+04	6375.38	-0.09	0.0	0.0	271.66	71.46	48.83	3.50	-5295.85	
2737.18												
		2737.18	-5295.85	0.30	0.0	119.5	322.60	71.46	48.83	3.50	539.77	
1.124e+04												
						239.0	373.54	71.46	48.83	3.50	6375.38	
1.975e+04												
64	13	-6956.09	8966.58	0.11	0.0	0.0	-1921.01	-122.23	-81.85	-6.93	8966.58	-
6956.09												
		-3.611e+04	-1.060e+04	-0.40	0.0	119.5	-1870.07	-122.23	-81.85	-6.93	-815.04	-

2.153e+04												
						239.0	-1819.13	-122.23	-81.85	-6.93	-1.060e+04	-
3.611e+04												
64	14	-8363.26	1.821e+04	0.06	0.0	0.0	-2290.71	-71.21	-166.77	32.96	1.821e+04	-
8363.26												
		-2.291e+04	-2.165e+04	0.11	0.0	119.5	-2239.77	-71.21	-166.77	32.96	-1718.40	-
1.564e+04												
						239.0	-2188.83	-71.21	-166.77	32.96	-2.165e+04	-
2.291e+04												
64	15	4641.72	1.913e+04	-0.05	0.0	0.0	617.45	14.37	146.94	-35.95	-1.598e+04	
2351.01												
		2351.01	-1.598e+04	-0.21	0.0	119.5	668.39	14.37	146.94	-35.95	1574.70	
3496.36												
						239.0	719.33	14.37	146.94	-35.95	1.913e+04	
4641.72												
64	16	2.167e+04	4668.42	-0.09	0.0	0.0	295.57	77.53	35.65	3.04	-3852.03	
4530.53												
		4530.53	-3852.03	0.30	0.0	119.5	346.51	77.53	35.65	3.04	408.20	
1.310e+04												
						239.0	397.44	77.53	35.65	3.04	4668.42	
2.167e+04												
64	17	-8749.43	7522.77	0.11	0.0	0.0	-1944.91	-128.30	-68.67	-6.48	7522.77	-
8749.43												
		-3.802e+04	-8889.71	-0.40	0.0	119.5	-1893.97	-128.30	-68.67	-6.48	-683.47	-
2.339e+04												
						239.0	-1843.04	-128.30	-68.67	-6.48	-8889.71	-
3.802e+04												
64	18	-6569.91	1.966e+04	0.06	0.0	0.0	-2266.80	-65.14	-179.96	32.51	1.966e+04	-
6569.91												
		-2.099e+04	-2.336e+04	0.11	0.0	119.5	-2215.86	-65.14	-179.96	32.51	-1849.97	-
1.378e+04												
						239.0	-2164.92	-65.14	-179.96	32.51	-2.336e+04	-
2.099e+04												
64	19	5495.45	1.814e+04	-0.05	0.0	0.0	650.13	19.08	139.10	-33.77	-1.511e+04	
3775.92												
		3775.92	-1.511e+04	-0.21	0.0	119.5	701.07	19.08	139.10	-33.77	1514.06	
4635.68												
						239.0	752.01	19.08	139.10	-33.77	1.814e+04	
5495.45												
64	20	1.869e+04	7085.73	-0.10	0.0	0.0	280.43	70.10	54.18	6.12	-5864.33	
2368.75												
		2368.75	-5864.33	0.30	0.0	119.5	331.37	70.10	54.18	6.12	610.70	
1.053e+04												
						239.0	382.31	70.10	54.18	6.12	7085.73	
1.869e+04												
64	21	-6587.65	9535.07	0.11	0.0	0.0	-1929.78	-120.87	-87.21	-9.56	9535.07	-
6587.65												
		-3.504e+04	-1.131e+04	-0.39	0.0	119.5	-1878.84	-120.87	-87.21	-9.56	-885.98	-
2.081e+04												
						239.0	-1827.90	-120.87	-87.21	-9.56	-1.131e+04	-
3.504e+04												
64	22	-7994.82	1.878e+04	0.07	0.0	0.0	-2299.48	-69.85	-172.12	30.34	1.878e+04	-
7994.82												
		-2.185e+04	-2.236e+04	0.11	0.0	119.5	-2248.54	-69.85	-172.12	30.34	-1789.34	-
1.492e+04												
						239.0	-2197.60	-69.85	-172.12	30.34	-2.236e+04	-
2.185e+04												
64	23	3577.14	1.984e+04	-0.06	0.0	0.0	626.23	13.01	152.29	-33.32	-1.655e+04	
1982.58												
		1982.58	-1.655e+04	-0.21	0.0	119.5	677.16	13.01	152.29	-33.32	1645.63	
2779.86												
						239.0	728.10	13.01	152.29	-33.32	1.984e+04	
3577.14												
64	24	2.061e+04	5378.78	-0.10	0.0	0.0	304.34	76.17	41.00	5.67	-4420.52	
4162.09												
		4162.09	-4420.52	0.30	0.0	119.5	355.28	76.17	41.00	5.67	479.13	
1.238e+04												
						239.0	406.21	76.17	41.00	5.67	5378.78	
2.061e+04												
64	25	-8381.00	8091.25	0.11	0.0	0.0	-1953.68	-126.94	-74.02	-9.10	8091.25	-
8381.00												
		-3.696e+04	-9600.07	-0.39	0.0	119.5	-1902.75	-126.94	-74.02	-9.10	-754.41	-

2.267e+04												
						239.0	-1851.81	-126.94	-74.02	-9.10	-9600.07	-
3.696e+04												
64	26	-6201.48	2.022e+04	0.07	0.0	0.0	-2275.57	-63.78	-185.31	29.89	2.022e+04	-
6201.48												
		-1.993e+04	-2.407e+04	0.11	0.0	119.5	-2224.63	-63.78	-185.31	29.89	-1920.91	-
1.307e+04												
						239.0	-2173.70	-63.78	-185.31	29.89	-2.407e+04	-
1.993e+04												
64	27	1900.90	2.051e+04	0.06	0.0	0.0	175.85	-89.02	157.36	-72.63	-1.710e+04	
1900.90												
		-2.376e+04	-1.710e+04	-0.86	0.0	119.5	226.79	-89.02	157.36	-72.63	1706.69	-
1.093e+04												
						239.0	277.72	-89.02	157.36	-72.63	2.051e+04	-
2.376e+04												
64	28	2.021e+04	1.372e+04	-0.09	0.0	0.0	-1056.48	81.05	-125.70	60.35	1.372e+04	-
2789.67												
		-2789.67	-1.633e+04	0.82	0.0	119.5	-1005.55	81.05	-125.70	60.35	-1304.51	
8710.06												
						239.0	-954.61	81.05	-125.70	60.35	-1.633e+04	
2.021e+04												
64	29	-1429.23	1.211e+04	0.11	0.0	0.0	-592.86	-131.82	92.68	-63.79	-1.005e+04	-
1429.23												
		-3.656e+04	-1.005e+04	-0.92	0.0	119.5	-541.92	-131.82	92.68	-63.79	1029.24	-
1.900e+04												
						239.0	-490.99	-131.82	92.68	-63.79	1.211e+04	-
3.656e+04												
64	30	7410.27	2.077e+04	-0.05	0.0	0.0	-1825.19	38.25	-190.38	69.19	2.077e+04	-
6119.80												
		-6119.80	-2.473e+04	0.77	0.0	119.5	-1774.26	38.25	-190.38	69.19	-1981.96	645.24
						239.0	-1723.32	38.25	-190.38	69.19	-2.473e+04	
7410.27												
64	31	1790.37	2.073e+04	0.06	0.0	0.0	178.48	-89.43	158.97	-71.84	-1.727e+04	
1790.37												
		-2.408e+04	-1.727e+04	-0.86	0.0	119.5	229.42	-89.43	158.97	-71.84	1727.97	-
1.115e+04												
						239.0	280.36	-89.43	158.97	-71.84	2.073e+04	-
2.408e+04												
64	32	1.989e+04	1.355e+04	-0.10	0.0	0.0	-1053.85	80.64	-124.09	61.14	1.355e+04	-
2900.20												
		-2900.20	-1.611e+04	0.82	0.0	119.5	-1002.91	80.64	-124.09	61.14	-1283.23	
8495.11												
						239.0	-951.98	80.64	-124.09	61.14	-1.611e+04	
1.989e+04												
64	33	-1318.70	1.189e+04	0.11	0.0	0.0	-595.49	-131.41	91.07	-64.57	-9876.21	-
1318.70												
		-3.624e+04	-9876.21	-0.92	0.0	119.5	-544.55	-131.41	91.07	-64.57	1007.96	-
1.878e+04												
						239.0	-493.62	-131.41	91.07	-64.57	1.189e+04	-
3.624e+04												
64	34	7729.65	2.094e+04	-0.05	0.0	0.0	-1827.83	38.66	-191.99	68.40	2.094e+04	-
6009.27												
		-6009.27	-2.495e+04	0.77	0.0	119.5	-1776.89	38.66	-191.99	68.40	-2003.24	860.19
						239.0	-1725.95	38.66	-191.99	68.40	-2.495e+04	
7729.65												
64	35	-4076.91	2.620e+04	0.06	0.0	0.0	96.16	-109.25	201.31	-71.12	-2.191e+04	-
4076.91												
		-3.016e+04	-2.191e+04	-0.86	0.0	119.5	147.10	-109.25	201.31	-71.12	2145.25	-
1.712e+04												
						239.0	198.04	-109.25	201.31	-71.12	2.620e+04	-
3.016e+04												
64	36	2.660e+04	1.853e+04	-0.09	0.0	0.0	-976.80	101.28	-169.65	58.85	1.853e+04	
3188.14												
		3188.14	-2.202e+04	0.82	0.0	119.5	-925.86	101.28	-169.65	58.85	-1743.08	
1.490e+04												
						239.0	-874.92	101.28	-169.65	58.85	-2.202e+04	
2.660e+04												
64	37	-7407.05	1.780e+04	0.10	0.0	0.0	-672.55	-152.05	136.63	-62.28	-1.486e+04	-
7407.05												
		-4.296e+04	-1.486e+04	-0.92	0.0	119.5	-621.61	-152.05	136.63	-62.28	1467.80	-
2.518e+04												
						239.0	-570.67	-152.05	136.63	-62.28	1.780e+04	-

4.296e+04												
64	38	1.380e+04	2.558e+04	-0.04	0.0	0.0	-1745.51	58.48	-234.33	67.69	2.558e+04	-
141.99												
		-141.99	-3.042e+04	0.77	0.0	119.5	-1694.57	58.48	-234.33	67.69	-2420.53	
6831.33												
						239.0	-1643.63	58.48	-234.33	67.69	-3.042e+04	
1.380e+04												
64	39	-4187.44	2.642e+04	0.06	0.0	0.0	98.79	-109.66	202.91	-70.33	-2.208e+04	-
4187.44												
		-3.048e+04	-2.208e+04	-0.86	0.0	119.5	149.73	-109.66	202.91	-70.33	2166.54	-
1.733e+04												
						239.0	200.67	-109.66	202.91	-70.33	2.642e+04	-
3.048e+04												
64	40	2.628e+04	1.836e+04	-0.09	0.0	0.0	-974.16	100.87	-168.04	59.63	1.836e+04	
3077.61												
		3077.61	-2.180e+04	0.82	0.0	119.5	-923.23	100.87	-168.04	59.63	-1721.80	
1.468e+04												
						239.0	-872.29	100.87	-168.04	59.63	-2.180e+04	
2.628e+04												
64	41	-7296.52	1.758e+04	0.10	0.0	0.0	-675.18	-151.64	135.02	-63.07	-1.469e+04	-
7296.52												
		-4.264e+04	-1.469e+04	-0.92	0.0	119.5	-624.24	-151.64	135.02	-63.07	1446.52	-
2.497e+04												
						239.0	-573.31	-151.64	135.02	-63.07	1.758e+04	-
4.264e+04												
64	42	1.412e+04	2.575e+04	-0.04	0.0	0.0	-1748.14	58.88	-235.94	66.90	2.575e+04	-31.46
		-31.46	-3.064e+04	0.77	0.0	119.5	-1697.20	58.88	-235.94	66.90	-2441.81	
7046.28												
						239.0	-1646.26	58.88	-235.94	66.90	-3.064e+04	
1.412e+04												
64	43	3301.15	1.330e+04	-0.04	0.0	0.0	326.08	10.23	101.98	-29.01	-1.108e+04	
2766.62												
		2766.62	-1.108e+04	-0.17	0.0	119.5	377.02	10.23	101.98	-29.01	1110.99	
3033.89												
						239.0	427.96	10.23	101.98	-29.01	1.330e+04	
3301.15												
64	44	1.373e+04	4568.26	-0.07	0.0	0.0	36.43	50.58	34.92	2.58	-3777.26	
1667.98												
		1667.98	-3777.26	0.23	0.0	119.5	87.36	50.58	34.92	2.58	395.50	
7696.91												
						239.0	138.30	50.58	34.92	2.58	4568.26	
1.373e+04												
64	45	-5886.88	7448.00	0.09	0.0	0.0	-1685.77	-101.35	-67.94	-6.01	7448.00	-
5886.88												
		-3.008e+04	-8789.55	-0.32	0.0	119.5	-1634.83	-101.35	-67.94	-6.01	-670.77	-
1.798e+04												
						239.0	-1583.90	-101.35	-67.94	-6.01	-8789.55	-
3.008e+04												
64	46	-6985.52	1.475e+04	0.05	0.0	0.0	-1975.43	-61.00	-135.00	25.57	1.475e+04	-
6985.52												
		-1.965e+04	-1.752e+04	0.08	0.0	119.5	-1924.49	-61.00	-135.00	25.57	-1386.27	-
1.332e+04												
						239.0	-1873.55	-61.00	-135.00	25.57	-1.752e+04	-
1.965e+04												
64	47	1778.57	1.466e+04	-0.04	0.0	0.0	306.60	5.41	112.47	-28.65	-1.222e+04	
1360.34												
		1360.34	-1.222e+04	-0.17	0.0	119.5	357.54	5.41	112.47	-28.65	1215.12	
1569.45												
						239.0	408.47	5.41	112.47	-28.65	1.466e+04	
1778.57												
64	48	1.525e+04	3211.44	-0.07	0.0	0.0	55.91	55.40	24.43	2.22	-2628.69	
3074.26												
		3074.26	-2628.69	0.23	0.0	119.5	106.85	55.40	24.43	2.22	291.38	
9161.35												
						239.0	157.79	55.40	24.43	2.22	3211.44	
1.525e+04												
64	49	-7293.16	6299.43	0.09	0.0	0.0	-1705.26	-106.17	-57.46	-5.65	6299.43	-
7293.16												
		-3.160e+04	-7432.73	-0.32	0.0	119.5	-1654.32	-106.17	-57.46	-5.65	-566.65	-
1.945e+04												
						239.0	-1603.38	-106.17	-57.46	-5.65	-7432.73	-
3.160e+04												

64	50	-5579.24	1.590e+04	0.05	0.0	0.0	-1955.94	-56.18	-145.49	25.22	1.590e+04	-5579.24
		-1.813e+04	-1.888e+04	0.08	0.0	119.5	-1905.01	-56.18	-145.49	25.22	-1490.39	-1.186e+04
						239.0	-1854.07	-56.18	-145.49	25.22	-1.888e+04	-1.813e+04
64	51	2476.52	1.385e+04	-0.04	0.0	0.0	330.92	8.88	106.13	-26.89	-1.152e+04	2476.52
		2371.80	-1.152e+04	-0.18	0.0	119.5	381.86	8.88	106.13	-26.89	1166.31	2424.16
						239.0	432.80	8.88	106.13	-26.89	1.385e+04	2371.80
64	52	1.280e+04	5119.35	-0.08	0.0	0.0	41.27	49.23	39.07	4.70	-4217.72	1377.88
		1377.88	-4217.72	0.23	0.0	119.5	92.20	49.23	39.07	4.70	450.82	7087.19
						239.0	143.14	49.23	39.07	4.70	5119.35	1.280e+04
64	53	-5596.79	7888.46	0.09	0.0	0.0	-1690.61	-100.00	-72.09	-8.13	7888.46	-5596.79
		-2.915e+04	-9340.64	-0.32	0.0	119.5	-1639.67	-100.00	-72.09	-8.13	-726.09	-1.737e+04
						239.0	-1588.74	-100.00	-72.09	-8.13	-9340.64	-2.915e+04
64	54	-6695.43	1.519e+04	0.05	0.0	0.0	-1980.27	-59.65	-139.15	23.46	1.519e+04	-6695.43
		-1.872e+04	-1.807e+04	0.08	0.0	119.5	-1929.33	-59.65	-139.15	23.46	-1441.58	-1.271e+04
						239.0	-1878.39	-59.65	-139.15	23.46	-1.807e+04	-1.872e+04
64	55	1070.24	1.521e+04	-0.04	0.0	0.0	311.44	4.06	116.62	-26.53	-1.267e+04	1070.24
		849.21	-1.267e+04	-0.18	0.0	119.5	362.38	4.06	116.62	-26.53	1270.43	959.73
						239.0	413.31	4.06	116.62	-26.53	1.521e+04	849.21
64	56	1.432e+04	3762.53	-0.08	0.0	0.0	60.75	54.05	28.58	4.34	-3069.15	2784.16
		2784.16	-3069.15	0.23	0.0	119.5	111.69	54.05	28.58	4.34	346.69	8551.62
						239.0	162.63	54.05	28.58	4.34	3762.53	1.432e+04
64	57	-7003.07	6739.89	0.09	0.0	0.0	-1710.10	-104.82	-61.60	-7.77	6739.89	-7003.07
		-3.067e+04	-7983.82	-0.32	0.0	119.5	-1659.16	-104.82	-61.60	-7.77	-621.97	-1.884e+04
						239.0	-1608.22	-104.82	-61.60	-7.77	-7983.82	-3.067e+04
64	58	-5289.15	1.634e+04	0.05	0.0	0.0	-1960.78	-54.83	-149.64	23.10	1.634e+04	-5289.15
		-1.720e+04	-1.943e+04	0.08	0.0	119.5	-1909.84	-54.83	-149.64	23.10	-1545.71	-1.125e+04
						239.0	-1858.91	-54.83	-149.64	23.10	-1.943e+04	-1.720e+04
64	59	1019.64	1.575e+04	0.05	0.0	0.0	-40.13	-75.90	120.75	-57.81	-1.311e+04	1019.64
		-2.054e+04	-1.311e+04	-0.69	0.0	119.5	10.81	-75.90	120.75	-57.81	1322.12	-9762.19
						239.0	61.74	-75.90	120.75	-57.81	1.575e+04	-2.054e+04
64	60	1.420e+04	1.122e+04	-0.07	0.0	0.0	-1005.66	58.61	-102.80	47.48	1.122e+04	-2642.49
		-2642.49	-1.335e+04	0.64	0.0	119.5	-954.72	58.61	-102.80	47.48	-1062.86	-5781.24
						239.0	-903.78	58.61	-102.80	47.48	-1.335e+04	1.420e+04
64	61	-1576.41	9126.24	0.09	0.0	0.0	-643.69	-109.38	69.78	-50.91	-7551.07	-1576.41
		-3.056e+04	-7551.07	-0.74	0.0	119.5	-592.75	-109.38	69.78	-50.91	787.59	-1.607e+04
						239.0	-541.81	-109.38	69.78	-50.91	9126.24	-3.056e+04
64	62	4190.94	1.678e+04	-0.04	0.0	0.0	-1609.21	25.13	-153.77	54.38	1.678e+04	-5238.54

		-5238.54	-1.997e+04	0.60	0.0	119.5	-1558.27	25.13	-153.77	54.38	-1597.39	-523.80
						239.0	-1507.34	25.13	-153.77	54.38	-1.997e+04	4190.94
64	63	932.61	1.592e+04	0.05	0.0	0.0	-38.68	-76.31	122.00	-57.17	-1.324e+04	932.61
		-2.082e+04	-1.324e+04	-0.69	0.0	119.5	12.26	-76.31	122.00	-57.17	1338.71	-9945.11
						239.0	63.19	-76.31	122.00	-57.17	1.592e+04	-2.082e+04
64	64	1.393e+04	1.109e+04	-0.07	0.0	0.0	-1004.20	58.20	-101.55	48.11	1.109e+04	-2729.52
		-2729.52	-1.318e+04	0.64	0.0	119.5	-953.27	58.20	-101.55	48.11	-1046.27	5598.32
						239.0	-902.33	58.20	-101.55	48.11	-1.318e+04	1.393e+04
64	65	-1489.38	8960.91	0.09	0.0	0.0	-645.14	-108.97	68.53	-51.55	-7418.93	-1489.38
		-3.028e+04	-7418.93	-0.74	0.0	119.5	-594.20	-108.97	68.53	-51.55	770.99	-1.588e+04
						239.0	-543.27	-108.97	68.53	-51.55	8960.91	-3.028e+04
64	66	4469.75	1.691e+04	-0.04	0.0	0.0	-1610.66	25.54	-155.02	53.74	1.691e+04	-5151.51
		-5151.51	-2.014e+04	0.60	0.0	119.5	-1559.73	25.54	-155.02	53.74	-1613.99	-340.88
						239.0	-1508.79	25.54	-155.02	53.74	-2.014e+04	4469.75
64	67	-3667.96	2.028e+04	0.05	0.0	0.0	-105.08	-91.95	155.70	-56.61	-1.694e+04	-3667.96
		-2.562e+04	-1.694e+04	-0.69	0.0	119.5	-54.15	-91.95	155.70	-56.61	1669.20	-1.464e+04
						239.0	-3.21	-91.95	155.70	-56.61	2.028e+04	-2.562e+04
64	68	1.928e+04	1.505e+04	-0.07	0.0	0.0	-940.70	74.66	-137.74	46.28	1.505e+04	2045.11
		2045.11	-1.787e+04	0.64	0.0	119.5	-889.77	74.66	-137.74	46.28	-1409.94	1.066e+04
						239.0	-838.83	74.66	-137.74	46.28	-1.787e+04	1.928e+04
64	69	-6264.01	1.365e+04	0.08	0.0	0.0	-708.64	-125.43	104.72	-49.71	-1.138e+04	-6264.01
		-3.563e+04	-1.138e+04	-0.74	0.0	119.5	-657.70	-125.43	104.72	-49.71	1134.66	-2.095e+04
						239.0	-606.76	-125.43	104.72	-49.71	1.365e+04	-3.563e+04
64	70	9266.23	2.061e+04	-0.03	0.0	0.0	-1544.26	41.18	-188.72	53.18	2.061e+04	-550.94
		-550.94	-2.450e+04	0.60	0.0	119.5	-1493.32	41.18	-188.72	53.18	-1944.47	4357.65
						239.0	-1442.39	41.18	-188.72	53.18	-2.450e+04	9266.23
64	71	-3754.99	2.044e+04	0.05	0.0	0.0	-103.63	-92.36	156.94	-55.98	-1.707e+04	-3754.99
		-2.590e+04	-1.707e+04	-0.70	0.0	119.5	-52.69	-92.36	156.94	-55.98	1685.79	-1.483e+04
						239.0	-1.76	-92.36	156.94	-55.98	2.044e+04	-2.590e+04
64	72	1.900e+04	1.492e+04	-0.07	0.0	0.0	-939.25	74.25	-136.50	46.92	1.492e+04	1958.08
		1958.08	-1.770e+04	0.64	0.0	119.5	-888.32	74.25	-136.50	46.92	-1393.35	1.048e+04
						239.0	-837.38	74.25	-136.50	46.92	-1.770e+04	1.900e+04
64	73	-6176.99	1.348e+04	0.08	0.0	0.0	-710.09	-125.02	103.48	-50.35	-1.125e+04	-6176.99
		-3.535e+04	-1.125e+04	-0.74	0.0	119.5	-659.15	-125.02	103.48	-50.35	1118.07	-2.077e+04
						239.0	-608.22	-125.02	103.48	-50.35	1.348e+04	-3.535e+04
64	74	9545.04	2.074e+04	-0.03	0.0	0.0	-1545.71	41.59	-189.96	52.54	2.074e+04	-463.91
		-463.91	-2.466e+04	0.60	0.0	119.5	-1494.78	41.59	-189.96	52.54	-1961.06	

4540.56												
						239.0	-1443.84	41.59	-189.96	52.54	-2.466e+04	
9545.04												
64	75	1935.55	1.064e+04	-0.03	0.0	0.0	129.19	4.24	81.55	-24.30	-8849.55	
1935.55												
		1369.56	-8849.55	-0.15	0.0	119.5	180.12	4.24	81.55	-24.30	895.43	
1652.55												
						239.0	231.06	4.24	81.55	-24.30	1.064e+04	
1369.56												
64	76	9989.05	3423.73	-0.06	0.0	0.0	-110.63	37.60	26.11	1.80	-2815.65	
1025.37												
		1025.37	-2815.65	0.18	0.0	119.5	-59.69	37.60	26.11	1.80	304.04	
5507.21												
						239.0	-8.75	37.60	26.11	1.80	3423.73	
9989.05												
64	77	-5244.27	6486.39	0.07	0.0	0.0	-1538.72	-88.37	-59.13	-5.23	6486.39	-
5244.27												
		-2.634e+04	-7645.02	-0.28	0.0	119.5	-1487.78	-88.37	-59.13	-5.23	-579.32	-
1.579e+04												
						239.0	-1436.84	-88.37	-59.13	-5.23	-7645.02	-
2.634e+04												
64	78	-6154.45	1.252e+04	0.04	0.0	0.0	-1778.53	-55.01	-114.57	20.87	1.252e+04	-
6154.45												
		-1.772e+04	-1.486e+04	0.06	0.0	119.5	-1727.59	-55.01	-114.57	20.87	-1170.71	-
1.194e+04												
						239.0	-1676.65	-55.01	-114.57	20.87	-1.486e+04	-
1.772e+04												
64	79	771.42	1.176e+04	-0.03	0.0	0.0	113.15	0.26	90.21	-24.01	-9798.47	771.42
		111.60	-9798.47	-0.15	0.0	119.5	164.09	0.26	90.21	-24.01	981.48	441.51
						239.0	215.03	0.26	90.21	-24.01	1.176e+04	111.60
64	80	1.125e+04	2302.73	-0.06	0.0	0.0	-94.60	41.57	17.44	1.50	-1866.73	
2189.50												
		2189.50	-1866.73	0.18	0.0	119.5	-43.66	41.57	17.44	1.50	218.00	
6718.25												
						239.0	7.28	41.57	17.44	1.50	2302.73	
1.125e+04												
64	81	-6408.40	5537.47	0.07	0.0	0.0	-1554.75	-92.34	-50.47	-4.94	5537.47	-
6408.40												
		-2.760e+04	-6524.01	-0.28	0.0	119.5	-1503.81	-92.34	-50.47	-4.94	-493.27	-
1.700e+04												
						239.0	-1452.87	-92.34	-50.47	-4.94	-6524.01	-
2.760e+04												
64	82	-4990.32	1.347e+04	0.04	0.0	0.0	-1762.50	-51.03	-123.23	20.57	1.347e+04	-
4990.32												
		-1.646e+04	-1.598e+04	0.06	0.0	119.5	-1711.56	-51.03	-123.23	20.57	-1256.75	-
1.073e+04												
						239.0	-1660.62	-51.03	-123.23	20.57	-1.598e+04	-
1.646e+04												
64	83	1692.55	1.109e+04	-0.03	0.0	0.0	132.83	3.12	84.96	-22.55	-9211.78	
1692.55												
		600.22	-9211.78	-0.15	0.0	119.5	183.77	3.12	84.96	-22.55	940.96	
1146.38												
						239.0	234.71	3.12	84.96	-22.55	1.109e+04	600.22
64	84	9219.72	3877.02	-0.06	0.0	0.0	-106.98	36.48	29.52	3.55	-3177.88	782.36
		782.36	-3177.88	0.18	0.0	119.5	-56.04	36.48	29.52	3.55	349.57	
5001.04												
						239.0	-5.11	36.48	29.52	3.55	3877.02	
9219.72												
64	85	-5001.27	6848.62	0.08	0.0	0.0	-1542.36	-87.25	-62.54	-6.99	6848.62	-
5001.27												
		-2.557e+04	-8098.31	-0.27	0.0	119.5	-1491.42	-87.25	-62.54	-6.99	-624.84	-
1.529e+04												
						239.0	-1440.49	-87.25	-62.54	-6.99	-8098.31	-
2.557e+04												
64	86	-5911.45	1.288e+04	0.05	0.0	0.0	-1782.18	-53.89	-117.98	19.12	1.288e+04	-
5911.45												
		-1.695e+04	-1.531e+04	0.06	0.0	119.5	-1731.24	-53.89	-117.98	19.12	-1216.23	-
1.143e+04												
						239.0	-1680.30	-53.89	-117.98	19.12	-1.531e+04	-
1.695e+04												
64	87	528.42	1.221e+04	-0.03	0.0	0.0	116.80	-0.86	93.62	-22.25	-1.016e+04	528.42
		-657.73	-1.016e+04	-0.15	0.0	119.5	167.74	-0.86	93.62	-22.25	1027.00	-64.66

						239.0	218.67	-0.86	93.62	-22.25	1.221e+04	-
657.73												
64	88	1.048e+04	2756.01	-0.06	0.0	0.0	-90.95	40.46	20.86	3.26	-2228.97	
1946.49												
		1946.49	-2228.97	0.18	0.0	119.5	-40.01	40.46	20.86	3.26	263.52	
6212.08												
						239.0	10.93	40.46	20.86	3.26	2756.01	
1.048e+04												
64	89	-6165.40	5899.70	0.07	0.0	0.0	-1558.40	-91.23	-53.88	-6.69	5899.70	-
6165.40												
		-2.683e+04	-6977.30	-0.27	0.0	119.5	-1507.46	-91.23	-53.88	-6.69	-538.80	-
1.650e+04												
						239.0	-1456.52	-91.23	-53.88	-6.69	-6977.30	-
2.683e+04												
64	90	-4747.32	1.383e+04	0.05	0.0	0.0	-1766.14	-49.91	-126.64	18.82	1.383e+04	-
4747.32												
		-1.570e+04	-1.644e+04	0.06	0.0	119.5	-1715.21	-49.91	-126.64	18.82	-1302.28	-
1.022e+04												
						239.0	-1664.27	-49.91	-126.64	18.82	-1.644e+04	-
1.570e+04												
64	91	484.49	1.266e+04	0.04	0.0	0.0	-174.80	-67.10	96.99	-48.09	-1.052e+04	484.49
		-1.839e+04	-1.052e+04	-0.58	0.0	119.5	-123.86	-67.10	96.99	-48.09	1069.22	-
8950.56												
						239.0	-72.92	-67.10	96.99	-48.09	1.266e+04	-
1.839e+04												
64	92	1.035e+04	9591.48	-0.06	0.0	0.0	-974.18	44.11	-87.81	38.93	9591.48	-
2549.45												
		-2549.45	-1.140e+04	0.52	0.0	119.5	-923.24	44.11	-87.81	38.93	-902.07	
3898.30												
						239.0	-872.30	44.11	-87.81	38.93	-1.140e+04	
1.035e+04												
64	93	-1669.46	7174.34	0.07	0.0	0.0	-675.17	-94.88	54.79	-42.36	-5920.74	-
1669.46												
		-2.670e+04	-5920.74	-0.62	0.0	119.5	-624.23	-94.88	54.79	-42.36	626.80	-
1.418e+04												
						239.0	-573.29	-94.88	54.79	-42.36	7174.34	-
2.670e+04												
64	94	2032.54	1.419e+04	-0.03	0.0	0.0	-1474.55	16.33	-130.01	44.65	1.419e+04	-
4703.39												
		-4703.39	-1.688e+04	0.49	0.0	119.5	-1423.61	16.33	-130.01	44.65	-1344.50	-
1335.43												
						239.0	-1372.67	16.33	-130.01	44.65	-1.688e+04	
2032.54												
64	95	411.59	1.280e+04	0.04	0.0	0.0	-173.70	-67.43	98.01	-47.56	-1.063e+04	411.59
		-1.862e+04	-1.063e+04	-0.58	0.0	119.5	-122.76	-67.43	98.01	-47.56	1082.88	-
9102.41												
						239.0	-71.83	-67.43	98.01	-47.56	1.280e+04	-
1.862e+04												
64	96	1.012e+04	9482.81	-0.06	0.0	0.0	-973.08	43.77	-86.79	39.46	9482.81	-
2622.35												
		-2622.35	-1.126e+04	0.52	0.0	119.5	-922.15	43.77	-86.79	39.46	-888.42	
3746.45												
						239.0	-871.21	43.77	-86.79	39.46	-1.126e+04	
1.012e+04												
64	97	-1596.55	7038.35	0.07	0.0	0.0	-676.26	-94.54	53.76	-42.89	-5812.07	-
1596.55												
		-2.647e+04	-5812.07	-0.62	0.0	119.5	-625.32	-94.54	53.76	-42.89	613.14	-
1.403e+04												
						239.0	-574.39	-94.54	53.76	-42.89	7038.35	-
2.647e+04												
64	98	2263.34	1.430e+04	-0.03	0.0	0.0	-1475.64	16.66	-131.03	44.13	1.430e+04	-
4630.49												
		-4630.49	-1.702e+04	0.49	0.0	119.5	-1424.71	16.66	-131.03	44.13	-1358.16	-
1183.57												
						239.0	-1373.77	16.66	-131.03	44.13	-1.702e+04	
2263.34												
64	99	-3395.94	1.640e+04	0.04	0.0	0.0	-228.24	-80.36	125.86	-47.10	-1.368e+04	-
3395.94												
		-2.258e+04	-1.368e+04	-0.58	0.0	119.5	-177.30	-80.36	125.86	-47.10	1356.04	-
1.299e+04												
						239.0	-126.37	-80.36	125.86	-47.10	1.640e+04	-
2.258e+04												

64	100	1.454e+04	1.275e+04	-0.05	0.0	0.0	-920.73	57.37	-116.68	37.94	1.275e+04	1330.98
		1330.98	-1.513e+04	0.52	0.0	119.5	-869.80	57.37	-116.68	37.94	-1188.89	7935.10
						239.0	-818.86	57.37	-116.68	37.94	-1.513e+04	1.454e+04
64	101	-5549.88	1.091e+04	0.07	0.0	0.0	-728.61	-108.14	83.66	-41.38	-9083.80	-5549.88
		-3.089e+04	-9083.80	-0.62	0.0	119.5	-677.67	-108.14	83.66	-41.38	913.61	-1.822e+04
						239.0	-626.74	-108.14	83.66	-41.38	1.091e+04	-3.089e+04
64	102	6225.71	1.736e+04	-0.02	0.0	0.0	-1421.10	29.59	-158.88	43.66	1.736e+04	-822.97
		-822.97	-2.062e+04	0.49	0.0	119.5	-1370.17	29.59	-158.88	43.66	-1631.31	2701.37
						239.0	-1319.23	29.59	-158.88	43.66	-2.062e+04	6225.71
64	103	-3468.84	1.653e+04	0.04	0.0	0.0	-227.15	-80.69	126.88	-46.57	-1.379e+04	-3468.84
		-2.281e+04	-1.379e+04	-0.58	0.0	119.5	-176.21	-80.69	126.88	-46.57	1369.69	-1.314e+04
						239.0	-125.27	-80.69	126.88	-46.57	1.653e+04	-2.281e+04
64	104	1.431e+04	1.265e+04	-0.06	0.0	0.0	-919.64	57.03	-115.66	38.47	1.265e+04	1258.08
		1258.08	-1.500e+04	0.52	0.0	119.5	-868.70	57.03	-115.66	38.47	-1175.23	7783.25
						239.0	-817.76	57.03	-115.66	38.47	-1.500e+04	1.431e+04
64	105	-5476.98	1.078e+04	0.07	0.0	0.0	-729.71	-107.80	82.64	-41.90	-8975.13	-5476.98
		-3.066e+04	-8975.13	-0.62	0.0	119.5	-678.77	-107.80	82.64	-41.90	899.96	-1.807e+04
						239.0	-627.83	-107.80	82.64	-41.90	1.078e+04	-3.066e+04
64	106	6456.51	1.746e+04	-0.02	0.0	0.0	-1422.20	29.92	-159.91	43.14	1.746e+04	-750.06
		-750.06	-2.075e+04	0.49	0.0	119.5	-1371.26	29.92	-159.91	43.14	-1644.97	2853.23
						239.0	-1320.32	29.92	-159.91	43.14	-2.075e+04	6456.51
65	1	2850.09	-216.67	-4.12e-03	1.14e-04	0.0	-168.83	121.16	37.33	-27.94	-1589.28	-1605.05
		-1605.05	-1589.28	6.96e-03	0.0	18.4	-163.58	121.16	37.33	-27.94	-902.97	622.52
						36.8	-158.32	121.16	37.33	-27.94	-216.67	2850.09
65	2	1.135e+04	-1061.42	-0.01	1.14e-04	0.0	-725.62	447.54	105.67	-121.54	-4946.94	-5103.51
		-5103.51	-4946.94	0.03	0.0	18.4	-720.37	447.55	105.67	-121.54	-3004.18	3124.49
						36.8	-715.11	447.55	105.67	-121.54	-1061.42	1.135e+04
65	3	2031.92	-150.72	-3.03e-03	8.79e-05	0.0	-119.36	87.04	27.43	-19.72	-1159.16	-1168.63
		-1168.63	-1159.16	4.86e-03	0.0	18.4	-115.32	87.04	27.43	-19.72	-654.94	431.64
						36.8	-111.28	87.04	27.43	-19.72	-150.72	2031.92
65	4	1.053e+04	-995.48	-0.01	8.79e-05	0.0	-676.15	413.42	95.77	-113.32	-4516.82	-4667.09
		-4667.09	-4516.82	0.03	0.0	18.4	-672.11	413.42	95.77	-113.32	-2756.15	2933.62
						36.8	-668.07	413.42	95.77	-113.32	-995.48	1.053e+04
65	5	2122.61	-159.74	-3.11e-03	8.79e-05	0.0	-125.30	90.52	28.15	-20.72	-1194.98	-1205.95
		-1205.95	-1194.98	5.14e-03	0.0	18.4	-121.26	90.52	28.15	-20.72	-677.36	458.33
						36.8	-117.22	90.53	28.15	-20.72	-159.74	2122.61
65	6	7790.88	-722.90	-8.01e-03	8.79e-05	0.0	-496.49	308.11	73.72	-83.12	-3433.41	-3538.26
		-3538.26	-3433.41	0.02	0.0	18.4	-492.45	308.11	73.72	-83.12	-2078.16	

2126.31												
						36.8	-488.41	308.11	73.72	-83.12	-722.90	
7790.88												
65	7	2122.61	-159.74	-3.11e-03	8.79e-05	0.0	-125.30	90.52	28.15	-20.72	-1194.98	-
1205.95												
		-1205.95	-1194.98	5.14e-03	0.0	18.4	-121.26	90.52	28.15	-20.72	-677.36	458.33
						36.8	-117.22	90.53	28.15	-20.72	-159.74	
2122.61												
65	8	6090.40	-553.95	-6.54e-03	8.79e-05	0.0	-385.14	242.84	60.05	-64.40	-2761.88	-
2838.56												
		-2838.56	-2761.88	0.02	0.0	18.4	-381.09	242.84	60.05	-64.40	-1657.92	
1625.92												
						36.8	-377.05	242.84	60.05	-64.40	-553.95	
6090.40												
65	9	2122.61	-159.74	-3.11e-03	8.79e-05	0.0	-125.30	90.52	28.15	-20.72	-1194.98	-
1205.95												
		-1205.95	-1194.98	5.14e-03	0.0	18.4	-121.26	90.52	28.15	-20.72	-677.36	458.33
						36.8	-117.22	90.53	28.15	-20.72	-159.74	
2122.61												
65	10	5523.57	-497.64	-6.05e-03	8.79e-05	0.0	-348.02	221.08	55.49	-58.16	-2538.04	-
2605.33												
		-2605.33	-2538.04	0.02	0.0	18.4	-343.98	221.08	55.49	-58.16	-1517.84	
1459.12												
						36.8	-339.93	221.08	55.49	-58.16	-497.64	
5523.57												
65	11	4.579e+04	-2297.57	-0.07	8.79e-05	0.0	-1883.87	1916.37	922.91	-337.29	-3.301e+04	-
3.189e+04												
		-3.189e+04	-3.301e+04	0.09	0.0	18.4	-1879.82	1916.37	922.91	-337.29	-1.765e+04	
6946.53												
						36.8	-1875.78	1916.37	922.91	-337.29	-2297.57	
4.579e+04												
65	12	1.817e+04	-2827.53	-0.04	8.79e-05	0.0	-519.18	392.39	110.85	-233.85	-3370.71	-
3138.55												
		-3138.55	-3370.71	0.12	0.0	18.4	-515.13	392.39	110.85	-233.85	-3099.12	
7516.89												
						36.8	-511.09	392.39	110.85	-233.85	-2827.53	
1.817e+04												
65	13	-2072.12	1832.25	0.03	8.79e-05	0.0	-176.86	49.77	0.13	117.53	-1705.37	-
2072.12												
		-7125.18	-1705.37	-0.08	0.0	18.4	-172.82	49.77	0.13	117.53	63.44	-
4598.65												
						36.8	-168.78	49.77	0.13	117.53	1832.25	-
7125.18												
65	14	2.668e+04	2.793e+04	0.06	8.79e-05	0.0	1187.83	-1474.21	-811.92	220.97	2.793e+04	
2.668e+04												
		-3.474e+04	1302.29	-0.06	0.0	18.4	1191.87	-1474.21	-811.92	220.97	1.462e+04	-
4028.29												
						36.8	1195.91	-1474.21	-811.92	220.97	1302.29	-
3.474e+04												
65	15	4.650e+04	-2281.94	-0.07	8.79e-05	0.0	-1886.56	1917.51	900.77	-350.74	-3.232e+04	-
3.125e+04												
		-3.125e+04	-3.232e+04	0.09	0.0	18.4	-1882.52	1917.51	900.77	-350.74	-1.730e+04	
7626.74												
						36.8	-1878.48	1917.51	900.77	-350.74	-2281.94	
4.650e+04												
65	16	1.746e+04	-2843.16	-0.04	8.79e-05	0.0	-516.48	391.24	132.99	-220.41	-4063.72	-
3781.94												
		-3781.94	-4063.72	0.11	0.0	18.4	-512.44	391.24	132.99	-220.41	-3453.44	
6836.67												
						36.8	-508.39	391.24	132.99	-220.41	-2843.16	
1.746e+04												
65	17	-1428.73	1847.88	0.03	8.79e-05	0.0	-179.56	50.92	-22.00	104.08	-1012.36	-
1428.73												
		-6408.14	-1012.36	-0.08	0.0	18.4	-175.52	50.92	-22.00	104.08	417.76	-
3918.43												
						36.8	-171.47	50.92	-22.00	104.08	1847.88	-
6408.14												
65	18	2.604e+04	2.724e+04	0.06	8.79e-05	0.0	1190.53	-1475.36	-789.79	234.41	2.724e+04	
2.604e+04												
		-3.546e+04	1286.66	-0.06	0.0	18.4	1194.57	-1475.36	-789.79	234.41	1.426e+04	-
4708.50												
						36.8	1198.61	-1475.36	-789.79	234.41	1286.66	-

3.546e+04												
65	19	4.583e+04	-2410.81	-0.07	8.79e-05	0.0	-1833.64	1866.77	906.85	-348.58	-3.224e+04	-
3.110e+04												
		-3.110e+04	-3.224e+04	0.09	0.0	18.4	-1829.60	1866.77	906.85	-348.58	-1.732e+04	
7366.17												
						36.8	-1825.55	1866.77	906.85	-348.58	-2410.81	
4.583e+04												
65	20	1.822e+04	-2596.73	-0.04	8.79e-05	0.0	-468.95	342.79	94.79	-245.14	-2596.73	-
2344.67												
		-2344.67	-2940.77	0.12	0.0	18.4	-464.90	342.79	94.79	-245.14	-2768.75	
7936.53												
						36.8	-460.86	342.79	94.79	-245.14	-2940.77	
1.822e+04												
65	21	-2866.00	1945.49	0.03	8.79e-05	0.0	-227.09	99.36	16.19	128.81	-2479.35	-
2866.00												
		-7170.58	-2479.35	-0.09	0.0	18.4	-223.05	99.36	16.19	128.81	-266.93	-
5018.29												
						36.8	-219.01	99.36	16.19	128.81	1945.49	-
7170.58												
65	22	2.589e+04	2.716e+04	0.06	8.79e-05	0.0	1137.60	-1424.62	-795.86	232.25	2.716e+04	
2.589e+04												
		-3.479e+04	1415.53	-0.06	0.0	18.4	1141.64	-1424.62	-795.86	232.25	1.429e+04	-
4447.93												
						36.8	1145.69	-1424.62	-795.86	232.25	1415.53	-
3.479e+04												
65	23	4.655e+04	-2395.18	-0.07	8.79e-05	0.0	-1836.33	1867.92	884.71	-362.02	-3.154e+04	-
3.046e+04												
		-3.046e+04	-3.154e+04	0.10	0.0	18.4	-1832.29	1867.92	884.71	-362.02	-1.697e+04	
8046.38												
						36.8	-1828.25	1867.92	884.71	-362.02	-2395.18	
4.655e+04												
65	24	1.750e+04	-2956.40	-0.05	8.79e-05	0.0	-466.25	341.65	116.92	-231.69	-3289.74	-
2988.06												
		-2988.06	-3289.74	0.12	0.0	18.4	-462.21	341.65	116.92	-231.69	-3123.07	
7256.31												
						36.8	-458.17	341.65	116.92	-231.69	-2956.40	
1.750e+04												
65	25	-2222.61	1961.12	0.03	8.79e-05	0.0	-229.79	100.51	-5.94	115.37	-1786.34	-
2222.61												
		-6453.54	-1786.34	-0.09	0.0	18.4	-225.74	100.51	-5.94	115.37	87.39	-
4338.07												
						36.8	-221.70	100.51	-5.94	115.37	1961.12	-
6453.54												
65	26	2.525e+04	2.647e+04	0.06	8.79e-05	0.0	1140.30	-1425.77	-773.73	245.70	2.647e+04	
2.525e+04												
		-3.550e+04	1399.90	-0.06	0.0	18.4	1144.34	-1425.77	-773.73	245.70	1.393e+04	-
5128.14												
						36.8	1148.38	-1425.77	-773.73	245.70	1399.90	-
3.550e+04												
65	27	5.949e+04	-233.84	-0.06	8.79e-05	0.0	-2878.55	3041.03	1547.34	-298.79	-5.663e+04	-
5.501e+04												
		-5.501e+04	-5.663e+04	0.02	0.0	18.4	-2874.51	3041.03	1547.34	-298.79	-2.843e+04	
2240.29												
						36.8	-2870.47	3041.03	1547.34	-298.79	-233.84	
5.949e+04												
65	28	4.085e+04	4.217e+04	0.02	8.79e-05	0.0	1670.42	-2038.90	-1159.52	46.01	4.217e+04	
4.085e+04												
		-3.256e+04	-2000.38	0.09	0.0	18.4	1674.46	-2038.90	-1159.52	46.01	2.008e+04	
4141.50												
						36.8	1678.50	-2038.90	-1159.52	46.01	-2000.38	-
3.256e+04												
65	29	4.361e+04	1005.10	-0.03	8.79e-05	0.0	-2366.45	2481.05	1270.50	-162.34	-4.724e+04	-
4.606e+04												
		-4.606e+04	-4.724e+04	-0.06	0.0	18.4	-2362.41	2481.05	1270.50	-162.34	-2.312e+04	-
1223.26												
						36.8	-2358.37	2481.05	1270.50	-162.34	1005.10	
4.361e+04												
65	30	4.979e+04	5.156e+04	0.05	8.79e-05	0.0	2182.52	-2598.88	-1436.35	182.46	5.156e+04	
4.979e+04												
		-4.844e+04	-761.43	0.04	0.0	18.4	2186.56	-2598.88	-1436.35	182.46	2.540e+04	677.95
						36.8	2190.60	-2598.88	-1436.35	182.46	-761.43	-
4.844e+04												

65	31	5.950e+04	-267.82	-0.06	8.79e-05	0.0	-2863.48	3026.15	1542.52	-302.17	-5.640e+04	-5.477e+04
		-5.477e+04	-5.640e+04	0.02	0.0	18.4	-2859.44	3026.15	1542.52	-302.17	-2.833e+04	2366.19
						36.8	-2855.40	3026.15	1542.52	-302.17	-267.82	5.950e+04
65	32	4.109e+04	4.240e+04	0.02	8.79e-05	0.0	1685.48	-2053.77	-1164.34	42.63	4.240e+04	4.109e+04
		-3.255e+04	-2034.35	0.09	0.0	18.4	1689.53	-2053.77	-1164.34	42.63	2.018e+04	4267.39
						36.8	1693.57	-2053.77	-1164.34	42.63	-2034.35	-3.255e+04
65	33	4.360e+04	1039.07	-0.03	8.79e-05	0.0	-2381.52	2495.93	1275.32	-158.95	-4.747e+04	-4.630e+04
		-4.630e+04	-4.747e+04	-0.06	0.0	18.4	-2377.48	2495.93	1275.32	-158.95	-2.322e+04	-1349.15
						36.8	-2373.44	2495.93	1275.32	-158.95	1039.07	4.360e+04
65	34	4.956e+04	5.133e+04	0.05	8.79e-05	0.0	2167.45	-2584.00	-1431.53	185.85	5.133e+04	4.956e+04
		-4.845e+04	-727.46	0.04	0.0	18.4	2171.49	-2584.00	-1431.53	185.85	2.530e+04	552.06
						36.8	2175.53	-2584.00	-1431.53	185.85	-727.46	-4.845e+04
65	35	6.188e+04	-181.74	-0.06	8.79e-05	0.0	-2887.55	3044.86	1473.55	-343.60	-5.432e+04	-5.286e+04
		-5.286e+04	-5.432e+04	0.02	0.0	18.4	-2883.51	3044.86	1473.55	-343.60	-2.725e+04	4507.68
						36.8	-2879.46	3044.86	1473.55	-343.60	-181.74	6.188e+04
65	36	3.870e+04	3.986e+04	0.02	8.79e-05	0.0	1679.41	-2042.72	-1085.74	90.83	3.986e+04	3.870e+04
		-3.495e+04	-2052.48	0.08	0.0	18.4	1683.45	-2042.72	-1085.74	90.83	1.890e+04	1874.11
						36.8	1687.49	-2042.72	-1085.74	90.83	-2052.48	-3.495e+04
65	37	4.600e+04	1057.20	-0.03	8.79e-05	0.0	-2375.44	2484.88	1196.72	-207.16	-4.493e+04	-4.391e+04
		-4.391e+04	-4.493e+04	-0.05	0.0	18.4	-2371.40	2484.88	1196.72	-207.16	-2.194e+04	1044.13
						36.8	-2367.36	2484.88	1196.72	-207.16	1057.20	4.600e+04
65	38	4.765e+04	4.925e+04	0.05	8.79e-05	0.0	2191.51	-2602.70	-1362.57	227.28	4.925e+04	4.765e+04
		-5.083e+04	-813.53	0.03	0.0	18.4	2195.55	-2602.70	-1362.57	227.28	2.422e+04	-1589.44
						36.8	2199.60	-2602.70	-1362.57	227.28	-813.53	-5.083e+04
65	39	6.189e+04	-215.72	-0.06	8.79e-05	0.0	-2872.48	3029.98	1468.74	-346.99	-5.409e+04	-5.262e+04
		-5.262e+04	-5.409e+04	0.02	0.0	18.4	-2868.44	3029.98	1468.74	-346.99	-2.715e+04	4633.57
						36.8	-2864.40	3029.98	1468.74	-346.99	-215.72	6.189e+04
65	40	3.894e+04	4.009e+04	0.02	8.79e-05	0.0	1694.48	-2057.60	-1090.56	87.44	4.009e+04	3.894e+04
		-3.494e+04	-2086.45	0.08	0.0	18.4	1698.52	-2057.60	-1090.56	87.44	1.900e+04	2000.01
						36.8	1702.56	-2057.60	-1090.56	87.44	-2086.45	-3.494e+04
65	41	4.599e+04	1091.17	-0.03	8.79e-05	0.0	-2390.51	2499.75	1201.54	-203.77	-4.516e+04	-4.415e+04
		-4.415e+04	-4.516e+04	-0.05	0.0	18.4	-2386.47	2499.75	1201.54	-203.77	-2.204e+04	918.24
						36.8	-2382.43	2499.75	1201.54	-203.77	1091.17	4.599e+04
65	42	4.741e+04	4.902e+04	0.05	8.79e-05	0.0	2176.44	-2587.82	-1357.75	230.66	4.902e+04	4.741e+04
		-5.084e+04	-779.56	0.02	0.0	18.4	2180.49	-2587.82	-1357.75	230.66	2.412e+04	-1715.33
						36.8	2184.53	-2587.82	-1357.75	230.66	-779.56	-5.084e+04
65	43	3.737e+04	-1916.54	-0.06	8.79e-05	0.0	-1560.10	1558.78	738.72	-278.58	-2.654e+04	-2.568e+04

		-2.568e+04	-2.654e+04	0.07	0.0	18.4	-1556.06	1558.78	738.72	-278.58	-1.423e+04	5844.39
						36.8	-1552.02	1558.78	738.72	-278.58	-1916.54	3.737e+04
65	44	1.548e+04	-2332.15	-0.04	8.79e-05	0.0	-478.55	350.98	95.18	-196.82	-3051.65	-2887.74
		-2887.74	-3051.65	0.09	0.0	18.4	-474.51	350.98	95.18	-196.82	-2691.90	6296.89
						36.8	-470.47	350.98	95.18	-196.82	-2332.15	1.548e+04
65	45	-2322.92	1336.88	0.02	8.79e-05	0.0	-217.49	91.18	15.81	80.49	-2024.43	-2322.92
		-4434.38	-2024.43	-0.06	0.0	18.4	-213.44	91.18	15.81	80.49	-343.78	-3378.65
						36.8	-209.40	91.18	15.81	80.49	1336.88	-4434.38
65	46	2.047e+04	2.147e+04	0.04	8.79e-05	0.0	864.07	-1116.62	-627.74	162.25	2.147e+04	2.047e+04
		-2.632e+04	921.27	-0.04	0.0	18.4	868.11	-1116.62	-627.74	162.25	1.119e+04	-2926.15
						36.8	872.15	-1116.62	-627.74	162.25	921.27	-2.632e+04
65	47	3.793e+04	-1904.25	-0.06	8.79e-05	0.0	-1562.20	1559.64	721.15	-289.25	-2.599e+04	-2.517e+04
		-2.517e+04	-2.599e+04	0.08	0.0	18.4	-1558.16	1559.64	721.15	-289.25	-1.395e+04	6383.65
						36.8	-1554.12	1559.64	721.15	-289.25	-1904.25	3.793e+04
65	48	1.491e+04	-2344.45	-0.04	8.79e-05	0.0	-476.45	350.11	112.75	-186.15	-3601.88	-3398.59
		-3398.59	-3601.88	0.09	0.0	18.4	-472.41	350.11	112.75	-186.15	-2973.16	5757.63
						36.8	-468.37	350.11	112.75	-186.15	-2344.45	1.491e+04
65	49	-1812.07	1349.17	0.02	8.79e-05	0.0	-219.58	92.04	-1.76	69.82	-1474.20	-1812.07
		-3866.71	-1474.20	-0.06	0.0	18.4	-215.54	92.04	-1.76	69.82	-62.51	-2839.39
						36.8	-211.50	92.04	-1.76	69.82	1349.17	-3866.71
65	50	1.996e+04	2.092e+04	0.04	8.79e-05	0.0	866.17	-1117.49	-610.17	172.93	2.092e+04	1.996e+04
		-2.689e+04	908.97	-0.04	0.0	18.4	870.21	-1117.49	-610.17	172.93	1.091e+04	-3465.41
						36.8	874.25	-1117.49	-610.17	172.93	908.97	-2.689e+04
65	51	3.738e+04	-2006.08	-0.06	8.79e-05	0.0	-1518.35	1517.10	724.65	-287.56	-2.588e+04	-2.500e+04
		-2.500e+04	-2.588e+04	0.08	0.0	18.4	-1514.31	1517.10	724.65	-287.56	-1.394e+04	6190.48
						36.8	-1510.27	1517.10	724.65	-287.56	-2006.08	3.738e+04
65	52	1.550e+04	-2387.67	-0.04	8.79e-05	0.0	-436.80	309.30	81.10	-205.79	-2387.67	-2209.15
		-2209.15	-2421.69	0.10	0.0	18.4	-432.76	309.30	81.10	-205.79	-2404.68	6642.99
						36.8	-428.72	309.30	81.10	-205.79	-2421.69	1.550e+04
65	53	-3001.51	1426.41	0.02	8.79e-05	0.0	-259.24	132.86	29.88	89.47	-2688.40	-3001.51
		-4447.99	-2688.40	-0.07	0.0	18.4	-255.19	132.86	29.88	89.47	-630.99	-3724.75
						36.8	-251.15	132.86	29.88	89.47	1426.41	-4447.99
65	54	1.979e+04	2.080e+04	0.04	8.79e-05	0.0	822.32	-1074.94	-613.67	171.23	2.080e+04	1.979e+04
		-2.633e+04	1010.80	-0.05	0.0	18.4	826.36	-1074.94	-613.67	171.23	1.091e+04	-3272.24
						36.8	830.40	-1074.94	-613.67	171.23	1010.80	-2.633e+04
65	55	3.795e+04	-1993.78	-0.06	8.79e-05	0.0	-1520.45	1517.96	707.08	-298.23	-2.533e+04	-2.449e+04

		-2.449e+04	-2.533e+04	0.08	0.0	18.4	-1516.41	1517.96	707.08	-298.23	-1.366e+04	6729.75	
						36.8	-1512.37	1517.96	707.08	-298.23	-1993.78	3.795e+04	
65	56	1.493e+04	-2433.98	-0.04	8.79e-05	0.0	-434.70	308.43	98.68	-195.12	-2937.91	-2720.00	
		-2720.00	-2937.91	0.10	0.0	18.4	-430.66	308.43	98.68	-195.12	-2685.94	6103.73	
						36.8	-426.62	308.43	98.68	-195.12	-2433.98	1.493e+04	
65	57	-2490.66	1438.71	0.03	8.79e-05	0.0	-261.33	133.72	12.31	78.80	-2138.17	-2490.66	
		-3880.31	-2138.17	-0.07	0.0	18.4	-257.29	133.72	12.31	78.80	-349.73	-3185.49	
						36.8	-253.25	133.72	12.31	78.80	1438.71	-3880.31	
65	58	1.928e+04	2.025e+04	0.04	8.79e-05	0.0	824.42	-1075.81	-596.10	181.90	2.025e+04	1.928e+04	
		-2.690e+04	998.51	-0.05	0.0	18.4	828.46	-1075.81	-596.10	181.90	1.062e+04	-3811.51	
						36.8	832.50	-1075.81	-596.10	181.90	998.51	-2.690e+04	
65	59	4.827e+04	-292.97	-0.05	8.79e-05	0.0	-2352.00	2454.22	1236.51	-248.29	-4.537e+04	-4.409e+04	
		-4.409e+04	-4.537e+04	0.02	0.0	18.4	-2347.96	2454.22	1236.51	-248.29	-2.283e+04	2088.40	
						36.8	-2343.92	2454.22	1236.51	-248.29	-292.97	4.827e+04	
65	60	3.187e+04	3.293e+04	0.02	8.79e-05	0.0	1253.18	-1571.78	-908.65	24.24	3.293e+04	3.187e+04	
		-2.468e+04	-1678.33	0.07	0.0	18.4	1257.22	-1571.78	-908.65	24.24	1.563e+04	-3596.76	
						36.8	1261.27	-1571.78	-908.65	24.24	-1678.33	-2.468e+04	
65	61	3.573e+04	683.06	-0.03	8.79e-05	0.0	-1949.22	2013.94	1019.64	-140.57	-3.801e+04	-3.708e+04	
		-3.708e+04	-3.801e+04	-0.04	0.0	18.4	-1945.18	2013.94	1019.64	-140.57	-1.866e+04	-678.52	
						36.8	-1941.13	2013.94	1019.64	-140.57	683.06	3.573e+04	
65	62	3.888e+04	4.029e+04	0.04	8.79e-05	0.0	1655.97	-2012.06	-1125.53	131.97	4.029e+04	3.888e+04	
		-3.722e+04	-702.31	0.03	0.0	18.4	1660.01	-2012.06	-1125.53	131.97	1.979e+04	829.84	
						36.8	1664.05	-2012.06	-1125.53	131.97	-702.31	-3.722e+04	
65	63	4.827e+04	-319.83	-0.05	8.79e-05	0.0	-2339.48	2441.71	1232.29	-250.99	-4.517e+04	-4.389e+04	
		-4.389e+04	-4.517e+04	0.02	0.0	18.4	-2335.44	2441.71	1232.29	-250.99	-2.274e+04	2192.23	
						36.8	-2331.39	2441.71	1232.29	-250.99	-319.83	4.827e+04	
65	64	3.208e+04	3.313e+04	0.02	8.79e-05	0.0	1265.71	-1584.29	-912.87	21.55	3.313e+04	3.208e+04	
		-2.468e+04	-1705.19	0.07	0.0	18.4	1269.75	-1584.29	-912.87	21.55	1.571e+04	-3700.58	
						36.8	1273.79	-1584.29	-912.87	21.55	-1705.19	-2.468e+04	
65	65	3.572e+04	709.92	-0.03	8.79e-05	0.0	-1961.74	2026.44	1023.86	-137.88	-3.821e+04	-3.729e+04	
		-3.729e+04	-3.821e+04	-0.04	0.0	18.4	-1957.70	2026.44	1023.86	-137.88	-1.875e+04	-782.34	
						36.8	-1953.66	2026.44	1023.86	-137.88	709.92	3.572e+04	
65	66	3.868e+04	4.009e+04	0.04	8.79e-05	0.0	1643.44	-1999.56	-1121.31	134.66	4.009e+04	3.868e+04	
		-3.723e+04	-675.44	0.03	0.0	18.4	1647.48	-1999.56	-1121.31	134.66	1.971e+04	726.02	
						36.8	1651.53	-1999.56	-1121.31	134.66	-675.44	-3.723e+04	
65	67	5.016e+04	-251.98	-0.05	8.79e-05	0.0	-2358.99	2457.11	1177.94	-283.86	-4.353e+04	-4.239e+04	
		-4.239e+04	-4.353e+04	0.02	0.0	18.4	-2354.95	2457.11	1177.94	-283.86	-2.189e+04	3885.94	

						36.8	-2350.90	2457.11	1177.94	-283.86	-251.98	5.016e+04
65	68	3.017e+04	3.110e+04	0.01	8.79e-05	0.0	1260.17	-1574.67	-850.08	59.82	3.110e+04	3.017e+04
		-2.657e+04	-1719.32	0.07	0.0	18.4	1264.21	-1574.67	-850.08	59.82	1.469e+04	1799.21
						36.8	1268.25	-1574.67	-850.08	59.82	-1719.32	-2.657e+04
65	69	3.762e+04	724.04	-0.03	8.79e-05	0.0	-1956.20	2016.83	961.06	-176.14	-3.618e+04	-3.538e+04
		-3.538e+04	-3.618e+04	-0.03	0.0	18.4	-1952.16	2016.83	961.06	-176.14	-1.773e+04	1119.03
						36.8	-1948.12	2016.83	961.06	-176.14	724.04	3.762e+04
65	70	3.718e+04	3.846e+04	0.04	8.79e-05	0.0	1662.95	-2014.95	-1066.95	167.54	3.846e+04	3.718e+04
		-3.911e+04	-743.29	0.02	0.0	18.4	1666.99	-2014.95	-1066.95	167.54	1.886e+04	967.70
						36.8	1671.03	-2014.95	-1066.95	167.54	-743.29	-3.911e+04
65	71	5.016e+04	-278.85	-0.05	8.79e-05	0.0	-2346.46	2444.60	1173.71	-286.56	-4.333e+04	-4.218e+04
		-4.218e+04	-4.333e+04	0.02	0.0	18.4	-2342.42	2444.60	1173.71	-286.56	-2.181e+04	3989.77
						36.8	-2338.38	2444.60	1173.71	-286.56	-278.85	5.016e+04
65	72	3.038e+04	3.130e+04	0.01	8.79e-05	0.0	1272.69	-1587.17	-854.30	57.12	3.130e+04	3.038e+04
		-2.657e+04	-1746.18	0.07	0.0	18.4	1276.73	-1587.17	-854.30	57.12	1.478e+04	1903.04
						36.8	1280.77	-1587.17	-854.30	57.12	-1746.18	-2.657e+04
65	73	3.762e+04	750.90	-0.02	8.79e-05	0.0	-1968.73	2029.33	965.28	-173.45	-3.638e+04	-3.559e+04
		-3.559e+04	-3.638e+04	-0.03	0.0	18.4	-1964.68	2029.33	965.28	-173.45	-1.781e+04	1015.20
						36.8	-1960.64	2029.33	965.28	-173.45	750.90	3.762e+04
65	74	3.697e+04	3.826e+04	0.04	8.79e-05	0.0	1650.43	-2002.45	-1062.73	170.23	3.826e+04	3.697e+04
		-3.912e+04	-716.43	0.02	0.0	18.4	1654.47	-2002.45	-1062.73	170.23	1.877e+04	1071.53
						36.8	1658.51	-2002.45	-1062.73	170.23	-716.43	-3.912e+04
65	75	3.186e+04	-1671.39	-0.05	8.79e-05	0.0	-1351.24	1328.36	621.35	-240.39	-2.242e+04	-2.171e+04
		-2.171e+04	-2.242e+04	0.06	0.0	18.4	-1347.20	1328.36	621.35	-240.39	-1.205e+04	5071.89
						36.8	-1343.16	1328.36	621.35	-240.39	-1671.39	3.186e+04
65	76	1.377e+04	-2015.22	-0.03	8.79e-05	0.0	-457.40	330.19	89.49	-172.81	-3005.48	-2880.08
		-2880.08	-3005.48	0.08	0.0	18.4	-453.36	330.19	89.49	-172.81	-2510.35	5445.93
						36.8	-449.32	330.19	89.49	-172.81	-2015.22	1.377e+04
65	77	-2330.58	1019.95	0.02	8.79e-05	0.0	-238.63	111.97	21.49	56.48	-2070.60	-2330.58
		-2724.79	-2070.60	-0.05	0.0	18.4	-234.59	111.97	21.49	56.48	-525.32	2527.69
						36.8	-230.55	111.97	21.49	56.48	1019.95	-2724.79
65	78	1.650e+04	1.734e+04	0.04	8.79e-05	0.0	655.21	-886.21	-510.37	124.06	1.734e+04	1.650e+04
		-2.081e+04	676.12	-0.03	0.0	18.4	659.25	-886.21	-510.37	124.06	9008.38	-2153.65
						36.8	663.29	-886.21	-510.37	124.06	676.12	-2.081e+04
65	79	3.233e+04	-1661.22	-0.05	8.79e-05	0.0	-1352.98	1329.08	606.84	-249.21	-2.196e+04	-2.129e+04
		-2.129e+04	-2.196e+04	0.06	0.0	18.4	-1348.94	1329.08	606.84	-249.21	-1.181e+04	5517.51

						36.8	-1344.89	1329.08	606.84	-249.21	-1661.22		
3.233e+04													
65	80	1.330e+04	-2025.40	-0.03	8.79e-05	0.0	-455.66	329.47	104.01	-163.99	-3460.04	-	
3302.10													
		-3302.10	-3460.04	0.08	0.0	18.4	-451.62	329.47	104.01	-163.99	-2742.72		
5000.31													
						36.8	-447.58	329.47	104.01	-163.99	-2025.40		
1.330e+04													
65	81	-1908.56	1030.12	0.02	8.79e-05	0.0	-240.37	112.69	6.97	47.66	-1616.04	-	
1908.56													
		-2255.58	-1616.04	-0.05	0.0	18.4	-236.33	112.69	6.97	47.66	-292.96	-	
2082.07													
						36.8	-232.29	112.69	6.97	47.66	1030.12	-	
2255.58													
65	82	1.608e+04	1.689e+04	0.03	8.79e-05	0.0	656.94	-886.93	-495.85	132.88	1.689e+04		
1.608e+04													
		-2.128e+04	665.94	-0.03	0.0	18.4	660.98	-886.93	-495.85	132.88	8777.01	-	
2599.27													
						36.8	665.02	-886.93	-495.85	132.88	665.94	-	
2.128e+04													
65	83	3.187e+04	-1745.27	-0.05	8.79e-05	0.0	-1316.66	1293.86	609.64	-247.80	-2.187e+04	-	
2.115e+04													
		-2.115e+04	-2.187e+04	0.07	0.0	18.4	-1312.62	1293.86	609.64	-247.80	-1.181e+04		
5358.50													
						36.8	-1308.58	1293.86	609.64	-247.80	-1745.27		
3.187e+04													
65	84	1.378e+04	-2089.09	-0.03	8.79e-05	0.0	-422.83	295.68	77.78	-180.22	-2454.13	-	
2316.87													
		-2316.87	-2454.13	0.08	0.0	18.4	-418.78	295.68	77.78	-180.22	-2271.61		
5732.53													
						36.8	-414.74	295.68	77.78	-180.22	-2089.09		
1.378e+04													
65	85	-2734.79	1093.82	0.02	8.79e-05	0.0	-273.21	146.47	33.20	63.89	-2621.95	-	
2893.79													
		-2893.79	-2621.95	-0.05	0.0	18.4	-269.17	146.47	33.20	63.89	-764.06	-	
2814.29													
						36.8	-265.13	146.47	33.20	63.89	1093.82	-	
2734.79													
65	86	1.594e+04	1.679e+04	0.04	8.79e-05	0.0	620.63	-851.70	-498.66	131.48	1.679e+04		
1.594e+04													
		-2.082e+04	749.99	-0.03	0.0	18.4	624.67	-851.70	-498.66	131.48	8770.64	-	
2440.26													
						36.8	628.71	-851.70	-498.66	131.48	749.99	-	
2.082e+04													
65	87	3.234e+04	-1735.09	-0.05	8.79e-05	0.0	-1318.40	1294.58	595.12	-256.62	-2.141e+04	-	
2.073e+04													
		-2.073e+04	-2.141e+04	0.07	0.0	18.4	-1314.36	1294.58	595.12	-256.62	-1.157e+04		
5804.11													
						36.8	-1310.32	1294.58	595.12	-256.62	-1735.09		
3.234e+04													
65	88	1.331e+04	-2099.27	-0.03	8.79e-05	0.0	-421.09	294.96	92.30	-171.40	-2908.68	-	
2738.89													
		-2738.89	-2908.68	0.08	0.0	18.4	-417.05	294.96	92.30	-171.40	-2503.98		
5286.92													
						36.8	-413.01	294.96	92.30	-171.40	-2099.27		
1.331e+04													
65	89	-2265.58	1104.00	0.02	8.79e-05	0.0	-274.94	147.19	18.69	55.08	-2167.39	-	
2471.77													
		-2471.77	-2167.39	-0.05	0.0	18.4	-270.90	147.19	18.69	55.08	-531.70	-	
2368.68													
						36.8	-266.86	147.19	18.69	55.08	1104.00	-	
2265.58													
65	90	1.552e+04	1.634e+04	0.04	8.79e-05	0.0	622.37	-852.42	-484.14	140.29	1.634e+04		
1.552e+04													
		-2.129e+04	739.82	-0.04	0.0	18.4	626.41	-852.42	-484.14	140.29	8538.27	-	
2885.87													
						36.8	630.45	-852.42	-484.14	140.29	739.82	-	
2.129e+04													
65	91	4.085e+04	-328.29	-0.04	8.79e-05	0.0	-2004.64	2067.16	1031.91	-215.33	-3.795e+04	-	
3.690e+04													
		-3.690e+04	-3.795e+04	0.01	0.0	18.4	-2000.60	2067.16	1031.91	-215.33	-1.914e+04		
1975.67													

						36.8	-1996.56	2067.16	1031.91	-215.33	-328.29	4.085e+04
65	92	2.588e+04	2.677e+04	0.01	8.79e-05	0.0	974.82	-1260.08	-740.96	9.94	2.677e+04	2.588e+04
		-1.943e+04	-1474.38	0.06	0.0	18.4	978.86	-1260.08	-740.96	9.94	1.265e+04	3222.45
						36.8	982.91	-1260.08	-740.96	9.94	-1474.38	-1.943e+04
65	93	3.048e+04	479.11	-0.02	8.79e-05	0.0	-1670.86	1702.24	851.95	-126.27	-3.184e+04	-3.109e+04
		-3.109e+04	-3.184e+04	-0.03	0.0	18.4	-1666.82	1702.24	851.95	-126.27	-1.568e+04	304.21
						36.8	-1662.77	1702.24	851.95	-126.27	479.11	3.048e+04
65	94	3.169e+04	3.287e+04	0.03	8.79e-05	0.0	1308.60	-1625.00	-920.92	99.01	3.287e+04	3.169e+04
		-2.981e+04	-666.98	0.03	0.0	18.4	1312.65	-1625.00	-920.92	99.01	1.610e+04	942.58
						36.8	1316.69	-1625.00	-920.92	99.01	-666.98	-2.981e+04
65	95	4.086e+04	-350.45	-0.04	8.79e-05	0.0	-1994.27	2056.80	1028.39	-217.56	-3.778e+04	-3.673e+04
		-3.673e+04	-3.778e+04	0.01	0.0	18.4	-1990.22	2056.80	1028.39	-217.56	-1.907e+04	2061.65
						36.8	-1986.18	2056.80	1028.39	-217.56	-350.45	4.086e+04
65	96	2.605e+04	2.693e+04	0.01	8.79e-05	0.0	985.20	-1270.43	-744.48	7.72	2.693e+04	2.605e+04
		-1.943e+04	-1496.54	0.06	0.0	18.4	989.24	-1270.43	-744.48	7.72	1.272e+04	3308.43
						36.8	993.28	-1270.43	-744.48	7.72	-1496.54	-1.943e+04
65	97	3.048e+04	501.27	-0.02	8.79e-05	0.0	-1681.23	1712.59	855.46	-124.05	-3.201e+04	-3.126e+04
		-3.126e+04	-3.201e+04	-0.03	0.0	18.4	-1677.19	1712.59	855.46	-124.05	-1.575e+04	390.19
						36.8	-1673.15	1712.59	855.46	-124.05	501.27	3.048e+04
65	98	3.152e+04	3.270e+04	0.03	8.79e-05	0.0	1298.23	-1614.65	-917.41	101.23	3.270e+04	3.152e+04
		-2.981e+04	-644.82	0.03	0.0	18.4	1302.27	-1614.65	-917.41	101.23	1.603e+04	856.59
						36.8	1306.31	-1614.65	-917.41	101.23	-644.82	-2.981e+04
65	99	4.242e+04	-294.37	-0.04	8.79e-05	0.0	-2010.43	2069.56	983.51	-244.72	-3.643e+04	-3.550e+04
		-3.550e+04	-3.643e+04	0.02	0.0	18.4	-2006.39	2069.56	983.51	-244.72	-1.836e+04	3461.05
						36.8	-2002.35	2069.56	983.51	-244.72	-294.37	4.242e+04
65	100	2.447e+04	2.525e+04	9.71e-03	8.79e-05	0.0	980.61	-1262.49	-692.57	39.34	2.525e+04	2.447e+04
		-2.100e+04	-1508.30	0.06	0.0	18.4	984.65	-1262.49	-692.57	39.34	1.187e+04	1737.07
						36.8	988.70	-1262.49	-692.57	39.34	-1508.30	-2.100e+04
65	101	3.204e+04	513.03	-0.02	8.79e-05	0.0	-1676.65	1704.65	803.56	-155.66	-3.033e+04	-2.968e+04
		-2.968e+04	-3.033e+04	-0.03	0.0	18.4	-1672.61	1704.65	803.56	-155.66	-1.491e+04	1181.17
						36.8	-1668.56	1704.65	803.56	-155.66	513.03	3.204e+04
65	102	3.029e+04	3.135e+04	0.03	8.79e-05	0.0	1314.40	-1627.41	-872.53	128.40	3.135e+04	3.029e+04
		-3.137e+04	-700.90	0.02	0.0	18.4	1318.44	-1627.41	-872.53	128.40	1.533e+04	542.81
						36.8	1322.48	-1627.41	-872.53	128.40	-700.90	-3.137e+04
65	103	4.242e+04	-316.53	-0.04	8.79e-05	0.0	-2000.06	2059.21	980.00	-246.95	-3.627e+04	-3.533e+04
		-3.533e+04	-3.627e+04	0.02	0.0	18.4	-1996.02	2059.21	980.00	-246.95	-1.829e+04	3547.03
						36.8	-1991.97	2059.21	980.00	-246.95	-316.53	4.242e+04

65	104	2.464e+04	2.542e+04	9.45e-03	8.79e-05	0.0	990.99	-1272.84	-696.09	37.11	2.542e+04	2.464e+04
		-2.099e+04	-1530.47	0.06	0.0	18.4	995.03	-1272.84	-696.09	37.11	1.194e+04	1823.05
						36.8	999.07	-1272.84	-696.09	37.11	-1530.47	-2.099e+04
65	105	3.204e+04	535.19	-0.02	8.79e-05	0.0	-1687.02	1715.00	807.07	-153.44	-3.049e+04	-2.985e+04
		-2.985e+04	-3.049e+04	-0.03	0.0	18.4	-1682.98	1715.00	807.07	-153.44	-1.498e+04	1095.19
						36.8	-1678.94	1715.00	807.07	-153.44	535.19	3.204e+04
65	106	3.012e+04	3.119e+04	0.03	8.79e-05	0.0	1304.02	-1617.06	-869.02	130.62	3.119e+04	3.012e+04
		-3.137e+04	-678.74	0.02	0.0	18.4	1308.06	-1617.06	-869.02	130.62	1.526e+04	-628.79
						36.8	1312.10	-1617.06	-869.02	130.62	-678.74	-3.137e+04
68	1	-444.55	763.01	7.43e-03	0.0	0.0	-190.99	-19.09	-11.17	-2.57	763.01	-444.55
		-2900.71	-674.25	-0.01	0.0	64.3	-155.33	-19.09	-11.17	-2.57	44.38	-1672.63
						128.7	-119.68	-19.09	-11.17	-2.57	-674.25	-2900.71
68	2	2081.89	5868.58	0.04	0.0	0.0	-790.57	-126.68	-84.13	-11.42	5868.58	2081.89
		-1.422e+04	-4958.26	-0.07	0.0	64.3	-754.91	-126.68	-84.13	-11.42	455.16	-6069.39
						128.7	-719.26	-126.68	-84.13	-11.42	-4958.26	-1.422e+04
68	3	-389.64	490.58	5.13e-03	0.0	0.0	-135.60	-12.65	-7.21	-1.81	490.58	-389.64
		-2017.69	-437.80	-9.04e-03	0.0	64.3	-108.17	-12.65	-7.21	-1.81	26.39	-1203.66
						128.7	-80.74	-12.65	-7.21	-1.81	-437.80	-2017.69
68	4	2136.80	5596.15	0.04	0.0	0.0	-735.18	-120.24	-80.18	-10.66	5596.15	2136.80
		-1.334e+04	-4721.82	-0.07	0.0	64.3	-707.75	-120.24	-80.18	-10.66	437.16	-5600.43
						128.7	-680.32	-120.24	-80.18	-10.66	-4721.82	-1.334e+04
68	5	-362.69	545.04	5.46e-03	0.0	0.0	-142.00	-13.80	-7.99	-1.90	545.04	-362.69
		-2138.43	-483.50	-9.68e-03	0.0	64.3	-114.57	-13.80	-7.99	-1.90	30.77	-1250.56
						128.7	-87.14	-13.80	-7.99	-1.90	-483.50	-2138.43
68	6	1321.60	3948.75	0.03	0.0	0.0	-541.72	-85.53	-56.63	-7.80	3948.75	1321.60
		-9685.07	-3339.51	-0.05	0.0	64.3	-514.29	-85.53	-56.63	-7.80	304.62	-4181.74
						128.7	-486.86	-85.53	-56.63	-7.80	-3339.51	-9685.07
68	7	-362.69	545.04	5.46e-03	0.0	0.0	-142.00	-13.80	-7.99	-1.90	545.04	-362.69
		-2138.43	-483.50	-9.68e-03	0.0	64.3	-114.57	-13.80	-7.99	-1.90	30.77	-1250.56
						128.7	-87.14	-13.80	-7.99	-1.90	-483.50	-2138.43
68	8	816.31	2927.64	0.02	0.0	0.0	-421.80	-64.01	-42.04	-6.03	2927.64	816.31
		-7421.08	-2482.71	-0.04	0.0	64.3	-394.37	-64.01	-42.04	-6.03	222.46	-3302.39
						128.7	-366.94	-64.01	-42.04	-6.03	-2482.71	-7421.08
68	9	-362.69	545.04	5.46e-03	0.0	0.0	-142.00	-13.80	-7.99	-1.90	545.04	-362.69
		-2138.43	-483.50	-9.68e-03	0.0	64.3	-114.57	-13.80	-7.99	-1.90	30.77	-1250.56
						128.7	-87.14	-13.80	-7.99	-1.90	-483.50	-2138.43
68	10	647.88	2587.27	0.02	0.0	0.0	-381.83	-56.84	-37.18	-5.44	2587.27	647.88

		-6666.42	-2197.11	-0.03	0.0	64.3	-354.40	-56.84	-37.18	-5.44	195.08	-3009.27
						128.7	-326.97	-56.84	-37.18	-5.44	-2197.11	-6666.42
68	11	2592.65	1.128e+04	0.06	0.0	0.0	-731.23	265.49	-152.13	9.77	1.128e+04	-2.208e+04
		-2.208e+04	-8298.87	0.06	0.0	64.3	-703.81	265.49	-152.13	9.77	1489.00	-9742.83
						128.7	-676.38	265.49	-152.13	9.77	-8298.87	2592.65
68	12	1.271e+04	1.417e+04	0.05	0.0	0.0	-418.75	136.81	-189.50	25.71	1.417e+04	-1.455e+04
		-1.455e+04	-1.022e+04	0.14	0.0	64.3	-391.32	136.81	-189.50	25.71	1977.83	-921.36
						128.7	-363.90	136.81	-189.50	25.71	-1.022e+04	1.271e+04
68	13	1.585e+04	5822.96	-0.01	0.0	0.0	-344.90	-250.48	115.14	-36.60	-8998.31	1.585e+04
		-2.604e+04	-8998.31	-0.20	0.0	64.3	-317.48	-250.48	115.14	-36.60	-1587.68	-5097.18
						128.7	-290.05	-250.48	115.14	-36.60	5822.96	-2.604e+04
68	14	2.337e+04	3904.65	-0.03	0.0	0.0	-32.42	-379.16	77.78	-20.66	-6102.34	2.337e+04
		-1.593e+04	-6102.34	-0.13	0.0	64.3	-4.99	-379.16	77.78	-20.66	-1098.84	-3724.30
						128.7	22.44	-379.16	77.78	-20.66	3904.65	-1.593e+04
68	15	2805.43	1.106e+04	0.07	0.0	0.0	-724.40	261.20	-149.32	10.31	1.106e+04	-2.171e+04
		-2.171e+04	-8154.52	0.06	0.0	64.3	-696.97	261.20	-149.32	10.31	1452.68	-9452.67
						128.7	-669.54	261.20	-149.32	10.31	-8154.52	2805.43
68	16	1.250e+04	1.439e+04	0.04	0.0	0.0	-425.59	141.10	-192.31	25.17	1.439e+04	-1.492e+04
		-1.492e+04	-1.036e+04	0.13	0.0	64.3	-398.16	141.10	-192.31	25.17	2014.16	-1211.52
						128.7	-370.73	141.10	-192.31	25.17	-1.036e+04	1.250e+04
68	17	1.622e+04	5967.31	-8.48e-03	0.0	0.0	-338.07	-254.77	117.96	-36.06	-9215.30	1.622e+04
		-2.583e+04	-9215.30	-0.20	0.0	64.3	-310.64	-254.77	117.96	-36.06	-1624.00	-4807.02
						128.7	-283.21	-254.77	117.96	-36.06	5967.31	-2.583e+04
68	18	2.301e+04	3760.30	-0.03	0.0	0.0	-39.26	-374.87	74.97	-21.20	-5885.35	2.301e+04
		-1.614e+04	-5885.35	-0.13	0.0	64.3	-11.83	-374.87	74.97	-21.20	-1062.52	-3434.14
						128.7	15.60	-374.87	74.97	-21.20	3760.30	-1.614e+04
68	19	908.56	1.140e+04	0.02	0.0	0.0	-749.09	237.09	-153.85	9.79	1.140e+04	-2.013e+04
		-2.013e+04	-8392.51	0.02	0.0	64.3	-721.67	237.09	-153.85	9.79	1505.79	-9610.47
						128.7	-694.24	237.09	-153.85	9.79	-8392.51	908.56
68	20	1.103e+04	1.430e+04	5.70e-03	0.0	0.0	-436.61	108.42	-191.21	25.73	1.430e+04	-1.260e+04
		-1.260e+04	-1.031e+04	0.10	0.0	64.3	-409.18	108.42	-191.21	25.73	1994.62	-788.99
						128.7	-381.75	108.42	-191.21	25.73	-1.031e+04	1.103e+04
68	21	1.390e+04	5916.60	0.03	0.0	0.0	-327.04	-222.09	116.86	-36.61	-9125.53	1.390e+04
		-2.436e+04	-9125.53	-0.17	0.0	64.3	-299.62	-222.09	116.86	-36.61	-1604.47	-5229.55
						128.7	-272.19	-222.09	116.86	-36.61	5916.60	-2.436e+04
68	22	2.143e+04	3998.29	0.01	0.0	0.0	-14.56	-350.77	79.50	-20.67	-6229.56	2.143e+04
		-1.424e+04	-6229.56	-0.09	0.0	64.3	12.87	-350.77	79.50	-20.67	-1115.63	

3591.93												
						128.7	40.29	-350.77	79.50	-20.67	3998.29	-
1.424e+04												
68	23	1121.34	1.119e+04	0.02	0.0	0.0	-742.26	232.81	-151.03	10.33	1.119e+04	-
1.976e+04												
		-1.976e+04	-8248.16	0.03	0.0	64.3	-714.83	232.81	-151.03	10.33	1469.47	-
9320.30												
						128.7	-687.40	232.81	-151.03	10.33	-8248.16	
1121.34												
68	24	1.081e+04	1.452e+04	3.65e-03	0.0	0.0	-443.45	112.70	-194.03	25.19	1.452e+04	-
1.297e+04												
		-1.297e+04	-1.046e+04	0.10	0.0	64.3	-416.02	112.70	-194.03	25.19	2030.95	-
1079.15												
						128.7	-388.59	112.70	-194.03	25.19	-1.046e+04	
1.081e+04												
68	25	1.427e+04	6060.95	0.03	0.0	0.0	-320.21	-226.37	119.67	-36.07	-9342.53	
1.427e+04												
		-2.415e+04	-9342.53	-0.17	0.0	64.3	-292.78	-226.37	119.67	-36.07	-1640.79	-
4939.39												
						128.7	-265.35	-226.37	119.67	-36.07	6060.95	-
2.415e+04												
68	26	2.106e+04	3853.95	0.01	0.0	0.0	-21.40	-346.48	76.68	-21.21	-6012.57	
2.106e+04												
		-1.445e+04	-6012.57	-0.09	0.0	64.3	6.03	-346.48	76.68	-21.21	-1079.31	
3301.77												
						128.7	33.46	-346.48	76.68	-21.21	3853.95	-
1.445e+04												
68	27	-1.758e+04	801.92	0.06	0.0	0.0	-960.58	235.02	-15.00	-25.06	801.92	-
1.758e+04												
		-1.923e+04	-1118.20	-0.12	0.0	64.3	-933.15	235.02	-15.00	-25.06	-158.14	-
1.841e+04												
						128.7	-905.73	235.02	-15.00	-25.06	-1118.20	-
1.923e+04												
68	28	1.449e+04	1.046e+04	-3.57e-03	0.0	0.0	81.03	-193.90	-139.54	28.08	1.046e+04	
7500.92												
		7500.92	-7512.56	0.13	0.0	64.3	108.46	-193.90	-139.54	28.08	1471.30	
1.100e+04												
						128.7	135.88	-193.90	-139.54	28.08	-7512.56	
1.449e+04												
68	29	-6205.16	3118.35	0.03	0.0	0.0	-844.68	80.23	65.18	-38.97	-5280.63	-
6205.16												
		-2.782e+04	-5280.63	-0.20	0.0	64.3	-817.26	80.23	65.18	-38.97	-1081.14	-
1.701e+04												
						128.7	-789.83	80.23	65.18	-38.97	3118.35	-
2.782e+04												
68	30	1.888e+04	4372.61	-0.02	0.0	0.0	196.93	-348.69	-59.36	14.17	4372.61	
1.888e+04												
		5901.03	-3276.01	0.05	0.0	64.3	224.36	-348.69	-59.36	14.17	548.30	
1.239e+04												
						128.7	251.78	-348.69	-59.36	14.17	-3276.01	
5901.03												
68	31	-1.700e+04	840.09	0.04	0.0	0.0	-965.94	226.50	-15.51	-25.05	840.09	-
1.700e+04												
		-1.974e+04	-1146.29	-0.13	0.0	64.3	-938.51	226.50	-15.51	-25.05	-153.10	-
1.837e+04												
						128.7	-911.08	226.50	-15.51	-25.05	-1146.29	-
1.974e+04												
68	32	1.399e+04	1.049e+04	-0.01	0.0	0.0	75.67	-202.42	-140.05	28.09	1.049e+04	
8085.57												
		8085.57	-7540.65	0.12	0.0	64.3	103.10	-202.42	-140.05	28.09	1476.34	
1.104e+04												
						128.7	130.53	-202.42	-140.05	28.09	-7540.65	
1.399e+04												
68	33	-6789.81	3146.44	0.05	0.0	0.0	-839.33	88.75	65.70	-38.97	-5318.80	-
6789.81												
		-2.732e+04	-5318.80	-0.19	0.0	64.3	-811.90	88.75	65.70	-38.97	-1086.18	-
1.705e+04												
						128.7	-784.47	88.75	65.70	-38.97	3146.44	-
2.732e+04												
68	34	1.829e+04	4334.44	-9.57e-03	0.0	0.0	202.29	-340.17	-58.84	14.17	4334.44	
1.829e+04												
		6406.26	-3247.92	0.06	0.0	64.3	229.71	-340.17	-58.84	14.17	543.26	

1.235e+04												
						128.7	257.14	-340.17	-58.84	14.17	-3247.92	
6406.26												
68	35	-1.636e+04	78.62	0.06	0.0	0.0	-937.79	220.73	-5.62	-23.25	78.62	-
1.636e+04												
		-1.852e+04	-637.04	-0.11	0.0	64.3	-910.37	220.73	-5.62	-23.25	-279.21	-
1.744e+04												
						128.7	-882.94	220.73	-5.62	-23.25	-637.04	-
1.852e+04												
68	36	1.378e+04	1.118e+04	-7.13e-03	0.0	0.0	58.24	-179.61	-148.92	26.28	1.118e+04	
6275.79												
		6275.79	-7993.72	0.13	0.0	64.3	85.67	-179.61	-148.92	26.28	1592.37	
1.003e+04												
						128.7	113.10	-179.61	-148.92	26.28	-7993.72	
1.378e+04												
68	37	-4980.03	3599.51	0.04	0.0	0.0	-821.89	65.94	74.57	-37.16	-6003.94	-
4980.03												
		-2.712e+04	-6003.94	-0.19	0.0	64.3	-794.47	65.94	74.57	-37.16	-1202.22	-
1.605e+04												
						128.7	-767.04	65.94	74.57	-37.16	3599.51	-
2.712e+04												
68	38	1.765e+04	5095.92	-0.03	0.0	0.0	174.14	-334.41	-68.74	12.37	5095.92	
1.765e+04												
		5191.74	-3757.17	0.05	0.0	64.3	201.57	-334.41	-68.74	12.37	669.37	
1.142e+04												
						128.7	228.99	-334.41	-68.74	12.37	-3757.17	
5191.74												
68	39	-1.577e+04	116.78	0.05	0.0	0.0	-943.15	212.22	-6.13	-23.25	116.78	-
1.577e+04												
		-1.903e+04	-665.13	-0.13	0.0	64.3	-915.72	212.22	-6.13	-23.25	-274.18	-
1.740e+04												
						128.7	-888.30	212.22	-6.13	-23.25	-665.13	-
1.903e+04												
68	40	1.328e+04	1.122e+04	-0.02	0.0	0.0	52.88	-188.13	-149.43	26.28	1.122e+04	
6860.44												
		6860.44	-8021.82	0.12	0.0	64.3	80.31	-188.13	-149.43	26.28	1597.41	
1.007e+04												
						128.7	107.74	-188.13	-149.43	26.28	-8021.82	
1.328e+04												
68	41	-5564.68	3627.60	0.05	0.0	0.0	-816.54	74.46	75.08	-37.17	-6042.11	-
5564.68												
		-2.661e+04	-6042.11	-0.18	0.0	64.3	-789.11	74.46	75.08	-37.17	-1207.25	-
1.609e+04												
						128.7	-761.68	74.46	75.08	-37.17	3627.60	-
2.661e+04												
68	42	1.707e+04	5057.75	-0.02	0.0	0.0	179.50	-325.89	-68.22	12.36	5057.75	
1.707e+04												
		5696.96	-3729.08	0.06	0.0	64.3	206.92	-325.89	-68.22	12.36	664.33	
1.138e+04												
						128.7	234.35	-325.89	-68.22	12.36	-3729.08	
5696.96												
68	43	660.76	9483.27	0.05	0.0	0.0	-652.32	194.04	-128.41	6.62	9483.27	-
1.701e+04												
		-1.701e+04	-7040.14	0.04	0.0	64.3	-624.89	194.04	-128.41	6.62	1221.56	-
8175.10												
						128.7	-597.46	194.04	-128.41	6.62	-7040.14	660.76
68	44	8456.61	1.173e+04	0.04	0.0	0.0	-406.05	96.82	-157.42	19.20	1.173e+04	-
1.143e+04												
		-1.143e+04	-8528.62	0.10	0.0	64.3	-378.62	96.82	-157.42	19.20	1602.07	-
1485.17												
						128.7	-351.19	96.82	-157.42	19.20	-8528.62	
8456.61												
68	45	1.272e+04	4134.41	-4.74e-03	0.0	0.0	-357.61	-210.49	83.07	-30.08	-6558.24	
1.272e+04												
		-2.179e+04	-6558.24	-0.17	0.0	64.3	-330.18	-210.49	83.07	-30.08	-1211.92	-
4533.37												
						128.7	-302.75	-210.49	83.07	-30.08	4134.41	-
2.179e+04												
68	46	1.831e+04	2645.93	-0.02	0.0	0.0	-111.33	-307.71	54.06	-17.51	-4308.73	
1.831e+04												
		-1.399e+04	-4308.73	-0.11	0.0	64.3	-83.91	-307.71	54.06	-17.51	-831.40	
2156.56												

						128.7	-56.48	-307.71	54.06	-17.51	2645.93	-1.399e+04
68	47	793.96	9306.74	0.06	0.0	0.0	-647.05	191.29	-126.12	7.04	9306.74	-1.676e+04
		-1.676e+04	-6922.65	0.04	0.0	64.3	-619.62	191.29	-126.12	7.04	1192.04	-7983.45
						128.7	-592.19	191.29	-126.12	7.04	-6922.65	793.96
68	48	8323.40	1.191e+04	0.04	0.0	0.0	-411.32	99.57	-159.71	18.78	1.191e+04	-1.168e+04
		-1.168e+04	-8646.11	0.10	0.0	64.3	-383.89	99.57	-159.71	18.78	1631.59	-1676.81
						128.7	-356.47	99.57	-159.71	18.78	-8646.11	8323.40
68	49	1.297e+04	4251.90	-3.10e-03	0.0	0.0	-352.33	-213.24	85.36	-29.66	-6734.77	1.297e+04
		-2.166e+04	-6734.77	-0.17	0.0	64.3	-324.91	-213.24	85.36	-29.66	-1241.43	-4341.72
						128.7	-297.48	-213.24	85.36	-29.66	4251.90	-2.166e+04
68	50	1.806e+04	2528.44	-0.02	0.0	0.0	-116.61	-304.96	51.77	-17.92	-4132.21	1.806e+04
		-1.413e+04	-4132.21	-0.11	0.0	64.3	-89.18	-304.96	51.77	-17.92	-801.89	-1964.91
						128.7	-61.75	-304.96	51.77	-17.92	2528.44	-1.413e+04
68	51	-690.20	9577.37	0.02	0.0	0.0	-665.61	171.13	-129.68	6.63	9577.37	-1.543e+04
		-1.543e+04	-7109.97	0.01	0.0	64.3	-638.18	171.13	-129.68	6.63	1233.70	-8060.12
						128.7	-610.76	171.13	-129.68	6.63	-7109.97	690.20
68	52	7105.65	1.183e+04	8.69e-03	0.0	0.0	-419.34	73.91	-158.69	19.21	1.183e+04	-9846.03
		-9846.03	-8598.45	0.07	0.0	64.3	-391.91	73.91	-158.69	19.21	1614.22	-1370.19
						128.7	-364.49	73.91	-158.69	19.21	-8598.45	7105.65
68	53	1.114e+04	4204.23	0.03	0.0	0.0	-344.31	-187.58	84.34	-30.09	-6652.35	1.114e+04
		-2.044e+04	-6652.35	-0.14	0.0	64.3	-316.89	-187.58	84.34	-30.09	-1224.06	-4648.34
						128.7	-289.46	-187.58	84.34	-30.09	4204.23	-2.044e+04
68	54	1.673e+04	2715.75	0.01	0.0	0.0	-98.04	-284.80	55.33	-17.51	-4402.84	1.673e+04
		-1.264e+04	-4402.84	-0.08	0.0	64.3	-70.61	-284.80	55.33	-17.51	-843.54	-2041.58
						128.7	-43.19	-284.80	55.33	-17.51	2715.75	-1.264e+04
68	55	-557.00	9400.85	0.02	0.0	0.0	-660.34	168.39	-127.40	7.05	9400.85	-1.518e+04
		-1.518e+04	-6992.48	0.01	0.0	64.3	-632.91	168.39	-127.40	7.05	1204.18	-7868.48
						128.7	-605.48	168.39	-127.40	7.05	-6992.48	557.00
68	56	6972.45	1.200e+04	7.05e-03	0.0	0.0	-424.61	76.66	-160.98	18.79	1.200e+04	-1.010e+04
		-1.010e+04	-8715.94	0.07	0.0	64.3	-397.19	76.66	-160.98	18.79	1643.73	-1561.84
						128.7	-369.76	76.66	-160.98	18.79	-8715.94	6972.45
68	57	1.139e+04	4321.72	0.03	0.0	0.0	-339.04	-190.33	86.63	-29.67	-6828.87	1.139e+04
		-2.031e+04	-6828.87	-0.14	0.0	64.3	-311.61	-190.33	86.63	-29.67	-1253.57	-4456.70
						128.7	-284.19	-190.33	86.63	-29.67	4321.72	-2.031e+04
68	58	1.648e+04	2598.26	0.01	0.0	0.0	-103.32	-282.06	53.04	-17.93	-4226.32	1.648e+04
		-1.278e+04	-4226.32	-0.08	0.0	64.3	-75.89	-282.06	53.04	-17.93	-814.03	-1849.94
						128.7	-48.46	-282.06	53.04	-17.93	2598.26	-1.278e+04

1.278e+04												
68	59	-1.312e+04	1244.31	0.05	0.0	0.0	-836.49	165.88	-20.55	-20.90	1244.31	-
1.312e+04												
		-1.629e+04	-1392.49	-0.10	0.0	64.3	-809.06	165.88	-20.55	-20.90	-74.09	-
1.471e+04												
						128.7	-781.63	165.88	-20.55	-20.90	-1392.49	-
1.629e+04												
68	60	9694.19	8742.67	5.23e-03	0.0	0.0	-15.58	-158.19	-117.25	21.03	8742.67	
5494.52												
		5494.52	-6354.09	0.10	0.0	64.3	11.85	-158.19	-117.25	21.03	1194.29	
7594.36												
						128.7	39.27	-158.19	-117.25	21.03	-6354.09	
9694.19												
68	61	-4198.75	1959.88	0.03	0.0	0.0	-748.07	44.52	42.89	-31.91	-3568.14	-
4198.75												
		-2.303e+04	-3568.14	-0.17	0.0	64.3	-720.65	44.52	42.89	-31.91	-804.13	-
1.361e+04												
						128.7	-693.22	44.52	42.89	-31.91	1959.88	-
2.303e+04												
68	62	1.441e+04	3930.22	-0.01	0.0	0.0	72.83	-279.55	-53.80	10.02	3930.22	
1.441e+04												
		2959.14	-3001.73	0.04	0.0	64.3	100.26	-279.55	-53.80	10.02	464.25	
8686.87												
						128.7	127.69	-279.55	-53.80	10.02	-3001.73	
2959.14												
68	63	-1.264e+04	1272.55	0.04	0.0	0.0	-840.48	159.01	-20.93	-20.90	1272.55	-
1.264e+04												
		-1.670e+04	-1413.44	-0.11	0.0	64.3	-813.05	159.01	-20.93	-20.90	-70.44	-
1.467e+04												
						128.7	-785.62	159.01	-20.93	-20.90	-1413.44	-
1.670e+04												
68	64	9288.91	8770.90	-5.63e-03	0.0	0.0	-19.57	-165.07	-117.63	21.03	8770.90	
5968.79												
		5968.79	-6375.04	0.09	0.0	64.3	7.86	-165.07	-117.63	21.03	1197.93	
7628.85												
						128.7	35.29	-165.07	-117.63	21.03	-6375.04	
9288.91												
68	65	-4673.03	1980.82	0.04	0.0	0.0	-744.09	51.39	43.27	-31.92	-3596.37	-
4673.03												
		-2.262e+04	-3596.37	-0.16	0.0	64.3	-716.66	51.39	43.27	-31.92	-807.77	-
1.365e+04												
						128.7	-689.23	51.39	43.27	-31.92	1980.82	-
2.262e+04												
68	66	1.394e+04	3901.99	-4.76e-03	0.0	0.0	76.82	-272.68	-53.42	10.01	3901.99	
1.394e+04												
		3364.42	-2980.78	0.04	0.0	64.3	104.25	-272.68	-53.42	10.01	460.60	
8652.38												
						128.7	131.68	-272.68	-53.42	10.01	-2980.78	
3364.42												
68	67	-1.229e+04	655.90	0.05	0.0	0.0	-818.91	156.72	-12.92	-19.50	655.90	-
1.229e+04												
		-1.585e+04	-1000.86	-0.10	0.0	64.3	-791.48	156.72	-12.92	-19.50	-172.48	-
1.407e+04												
						128.7	-764.05	156.72	-12.92	-19.50	-1000.86	-
1.585e+04												
68	68	9250.19	9331.09	-2.86e-03	0.0	0.0	-33.16	-149.03	-124.88	19.63	9331.09	
4660.88												
		4660.88	-6745.72	0.09	0.0	64.3	-5.73	-149.03	-124.88	19.63	1292.68	
6955.54												
						128.7	21.70	-149.03	-124.88	19.63	-6745.72	
9250.19												
68	69	-3365.12	2351.51	0.04	0.0	0.0	-730.50	35.36	50.52	-30.51	-4156.56	-
3365.12												
		-2.258e+04	-4156.56	-0.16	0.0	64.3	-703.07	35.36	50.52	-30.51	-902.52	-
1.297e+04												
						128.7	-675.64	35.36	50.52	-30.51	2351.51	-
2.258e+04												
68	70	1.358e+04	4518.63	-0.02	0.0	0.0	55.26	-270.39	-61.44	8.62	4518.63	
1.358e+04												
		2515.13	-3393.36	0.03	0.0	64.3	82.68	-270.39	-61.44	8.62	562.64	
8048.05												
						128.7	110.11	-270.39	-61.44	8.62	-3393.36	

2515.13												
68	71	-1.181e+04	684.13	0.04	0.0	0.0	-822.90	149.85	-13.30	-19.50	684.13	-
1.181e+04												
		-1.625e+04	-1021.80	-0.11	0.0	64.3	-795.47	149.85	-13.30	-19.50	-168.84	-
1.403e+04												
						128.7	-768.04	149.85	-13.30	-19.50	-1021.80	-
1.625e+04												
68	72	8844.90	9359.32	-9.90e-03	0.0	0.0	-37.15	-155.91	-125.26	19.63	9359.32	
5135.16												
		5135.16	-6766.67	0.08	0.0	64.3	-9.72	-155.91	-125.26	19.63	1296.32	
6990.03												
						128.7	17.71	-155.91	-125.26	19.63	-6766.67	
8844.90												
68	73	-3839.39	2372.46	0.05	0.0	0.0	-726.51	42.24	50.91	-30.52	-4184.79	-
3839.39												
		-2.218e+04	-4184.79	-0.15	0.0	64.3	-699.08	42.24	50.91	-30.52	-906.17	-
1.301e+04												
						128.7	-671.65	42.24	50.91	-30.52	2372.46	-
2.218e+04												
68	74	1.311e+04	4490.40	-8.27e-03	0.0	0.0	59.24	-263.52	-61.05	8.62	4490.40	
1.311e+04												
		2920.42	-3372.41	0.04	0.0	64.3	86.67	-263.52	-61.05	8.62	559.00	
8013.56												
						128.7	114.10	-263.52	-61.05	8.62	-3372.41	
2920.42												
68	75	-589.39	8288.88	0.05	0.0	0.0	-606.01	151.18	-112.61	4.53	8288.88	-
1.400e+04												
		-1.400e+04	-6201.14	0.03	0.0	64.3	-578.58	151.18	-112.61	4.53	1043.87	-
7295.04												
						128.7	-551.16	151.18	-112.61	4.53	-6201.14	-
589.39												
68	76	5865.52	1.015e+04	0.04	0.0	0.0	-402.41	70.56	-136.62	14.93	1.015e+04	-
9362.42												
		-9362.42	-7433.13	0.08	0.0	64.3	-374.98	70.56	-136.62	14.93	1358.75	-
1748.45												
						128.7	-347.55	70.56	-136.62	14.93	-7433.13	
5865.52												
68	77	1.066e+04	3038.91	1.55e-03	0.0	0.0	-361.25	-184.23	62.26	-25.81	-4976.10	
1.066e+04												
		-1.920e+04	-4976.10	-0.15	0.0	64.3	-333.82	-184.23	62.26	-25.81	-968.59	-
4270.09												
						128.7	-306.39	-184.23	62.26	-25.81	3038.91	-
1.920e+04												
68	78	1.530e+04	1806.92	-0.01	0.0	0.0	-157.64	-264.86	38.25	-15.41	-3114.35	
1.530e+04												
		-1.274e+04	-3114.35	-0.10	0.0	64.3	-130.22	-264.86	38.25	-15.41	-653.71	
1276.51												
						128.7	-102.79	-264.86	38.25	-15.41	1806.92	-
1.274e+04												
68	79	-477.32	8143.29	0.05	0.0	0.0	-601.65	148.88	-110.72	4.88	8143.29	-
1.379e+04												
		-1.379e+04	-6104.24	0.03	0.0	64.3	-574.22	148.88	-110.72	4.88	1019.52	-
7134.53												
						128.7	-546.79	148.88	-110.72	4.88	-6104.24	-
477.32												
68	80	5753.45	1.030e+04	0.04	0.0	0.0	-406.77	72.87	-138.51	14.58	1.030e+04	-
9571.38												
		-9571.38	-7530.03	0.08	0.0	64.3	-379.35	72.87	-138.51	14.58	1383.10	-
1908.96												
						128.7	-351.92	72.87	-138.51	14.58	-7530.03	
5753.45												
68	81	1.087e+04	3135.81	2.38e-03	0.0	0.0	-356.88	-186.54	64.15	-25.47	-5121.69	
1.087e+04												
		-1.909e+04	-5121.69	-0.14	0.0	64.3	-329.45	-186.54	64.15	-25.47	-992.94	-
4109.57												
						128.7	-302.03	-186.54	64.15	-25.47	3135.81	-
1.909e+04												
68	82	1.509e+04	1710.03	-0.01	0.0	0.0	-162.01	-262.55	36.37	-15.76	-2968.76	
1.509e+04												
		-1.286e+04	-2968.76	-0.10	0.0	64.3	-134.58	-262.55	36.37	-15.76	-629.36	
1115.99												
						128.7	-107.15	-262.55	36.37	-15.76	1710.03	-

1.286e+04												
68	83	-1711.58	8366.89	0.02	0.0	0.0	-617.07	132.16	-113.66	4.54	8366.89	-
1.269e+04												
		-1.269e+04	-6258.99	3.92e-03	0.0	64.3	-589.64	132.16	-113.66	4.54	1053.95	-
7199.89												
						128.7	-562.21	132.16	-113.66	4.54	-6258.99	-
1711.58												
68	84	4743.34	1.023e+04	0.01	0.0	0.0	-413.46	51.54	-137.67	14.93	1.023e+04	-
8049.94												
		-8049.94	-7490.99	0.05	0.0	64.3	-386.03	51.54	-137.67	14.93	1368.83	-
1653.30												
						128.7	-358.61	51.54	-137.67	14.93	-7490.99	
4743.34												
68	85	9345.70	3096.77	0.03	0.0	0.0	-350.19	-165.21	63.32	-25.82	-5054.11	
9345.70												
		-1.808e+04	-5054.11	-0.12	0.0	64.3	-322.76	-165.21	63.32	-25.82	-978.67	-
4365.24												
						128.7	-295.34	-165.21	63.32	-25.82	3096.77	-
1.808e+04												
68	86	1.398e+04	1864.78	0.02	0.0	0.0	-146.59	-245.83	39.31	-15.42	-3192.36	
1.398e+04												
		-1.162e+04	-3192.36	-0.07	0.0	64.3	-119.16	-245.83	39.31	-15.42	-663.79	
1181.36												
						128.7	-91.73	-245.83	39.31	-15.42	1864.78	-
1.162e+04												
68	87	-1599.50	8221.30	0.02	0.0	0.0	-612.70	129.85	-111.77	4.88	8221.30	-
1.248e+04												
		-1.248e+04	-6162.10	5.28e-03	0.0	64.3	-585.27	129.85	-111.77	4.88	1029.60	-
7039.38												
						128.7	-557.85	129.85	-111.77	4.88	-6162.10	-
1599.50												
68	88	4631.26	1.037e+04	8.88e-03	0.0	0.0	-417.83	53.84	-139.56	14.59	1.037e+04	-
8258.89												
		-8258.89	-7587.88	0.05	0.0	64.3	-390.40	53.84	-139.56	14.59	1393.18	-
1813.81												
						128.7	-362.97	53.84	-139.56	14.59	-7587.88	
4631.26												
68	89	9554.65	3193.67	0.03	0.0	0.0	-345.83	-167.52	65.21	-25.47	-5199.70	
9554.65												
		-1.796e+04	-5199.70	-0.12	0.0	64.3	-318.40	-167.52	65.21	-25.47	-1003.02	-
4204.72												
						128.7	-290.97	-167.52	65.21	-25.47	3193.67	-
1.796e+04												
68	90	1.378e+04	1767.88	0.01	0.0	0.0	-150.95	-243.53	37.42	-15.77	-3046.77	
1.378e+04												
		-1.173e+04	-3046.77	-0.07	0.0	64.3	-123.53	-243.53	37.42	-15.77	-639.44	
1020.84												
						128.7	-96.10	-243.53	37.42	-15.77	1767.88	-
1.173e+04												
68	91	-1.078e+04	1474.10	0.04	0.0	0.0	-757.88	127.85	-23.39	-18.22	1474.10	-
1.078e+04												
		-1.463e+04	-1529.80	-0.09	0.0	64.3	-730.46	127.85	-23.39	-18.22	-27.85	-
1.271e+04												
						128.7	-703.03	127.85	-23.39	-18.22	-1529.80	-
1.463e+04												
68	92	6883.12	7679.93	7.42e-03	0.0	0.0	-79.20	-140.90	-103.42	16.44	7679.93	
4679.50												
		4679.50	-5636.43	0.08	0.0	64.3	-51.77	-140.90	-103.42	16.44	1021.75	
5781.31												
						128.7	-24.35	-140.90	-103.42	16.44	-5636.43	
6883.12												
68	93	-3383.74	1242.22	0.03	0.0	0.0	-684.45	27.23	29.07	-27.32	-2505.40	-
3383.74												
		-2.022e+04	-2505.40	-0.14	0.0	64.3	-657.03	27.23	29.07	-27.32	-631.59	-
1.180e+04												
						128.7	-629.60	27.23	29.07	-27.32	1242.22	-
2.022e+04												
68	94	1.208e+04	3700.43	-7.09e-03	0.0	0.0	-5.77	-241.52	-50.96	7.34	3700.43	
1.208e+04												
		1300.43	-2864.42	0.02	0.0	64.3	21.66	-241.52	-50.96	7.34	418.01	
6688.80												
						128.7	49.08	-241.52	-50.96	7.34	-2864.42	

1300.43												
68	95	-1.039e+04	1497.50	0.04	0.0	0.0	-761.20	122.15	-23.71	-18.22	1497.50	-
1.039e+04												
		-1.497e+04	-1547.15	-0.10	0.0	64.3	-733.77	122.15	-23.71	-18.22	-24.83	-
1.268e+04												
						128.7	-706.34	122.15	-23.71	-18.22	-1547.15	-
1.497e+04												
68	96	6546.46	7703.33	-2.57e-03	0.0	0.0	-82.52	-146.61	-103.74	16.44	7703.33	
5073.25												
		5073.25	-5653.79	0.07	0.0	64.3	-55.09	-146.61	-103.74	16.44	1024.77	
5809.86												
						128.7	-27.66	-146.61	-103.74	16.44	-5653.79	
6546.46												
68	97	-3777.48	1259.57	0.04	0.0	0.0	-681.14	32.94	29.38	-27.33	-2528.80	-
3777.48												
		-1.988e+04	-2528.80	-0.14	0.0	64.3	-653.71	32.94	29.38	-27.33	-634.61	-
1.183e+04												
						128.7	-626.28	32.94	29.38	-27.33	1259.57	-
1.988e+04												
68	98	1.168e+04	3677.03	-2.28e-03	0.0	0.0	-2.45	-235.82	-50.64	7.33	3677.03	
1.168e+04												
		1637.09	-2847.06	0.03	0.0	64.3	24.97	-235.82	-50.64	7.33	414.99	
6660.25												
						128.7	52.40	-235.82	-50.64	7.33	-2847.06	
1637.09												
68	99	-1.008e+04	988.78	0.05	0.0	0.0	-743.33	120.16	-17.10	-17.06	988.78	-
1.008e+04												
		-1.426e+04	-1206.81	-0.09	0.0	64.3	-715.90	120.16	-17.10	-17.06	-109.01	-
1.217e+04												
						128.7	-688.47	120.16	-17.10	-17.06	-1206.81	-
1.426e+04												
68	100	6509.54	8165.24	2.92e-03	0.0	0.0	-93.75	-133.21	-109.72	15.28	8165.24	
3982.99												
		3982.99	-5959.42	0.07	0.0	64.3	-66.33	-133.21	-109.72	15.28	1102.91	
5246.26												
						128.7	-38.90	-133.21	-109.72	15.28	-5959.42	
6509.54												
68	101	-2687.22	1565.21	0.03	0.0	0.0	-669.90	19.54	35.36	-26.17	-2990.71	-
2687.22												
		-1.984e+04	-2990.71	-0.14	0.0	64.3	-642.47	19.54	35.36	-26.17	-712.75	-
1.126e+04												
						128.7	-615.05	19.54	35.36	-26.17	1565.21	-
1.984e+04												
68	102	1.138e+04	4185.75	-0.01	0.0	0.0	-20.32	-233.83	-57.26	6.18	4185.75	
1.138e+04												
		926.85	-3187.41	0.02	0.0	64.3	7.10	-233.83	-57.26	6.18	499.17	
6153.75												
						128.7	34.53	-233.83	-57.26	6.18	-3187.41	926.85
68	103	-9691.14	1012.19	0.04	0.0	0.0	-746.65	114.45	-17.41	-17.06	1012.19	-
9691.14												
		-1.460e+04	-1224.16	-0.09	0.0	64.3	-719.22	114.45	-17.41	-17.06	-105.99	-
1.214e+04												
						128.7	-691.79	114.45	-17.41	-17.06	-1224.16	-
1.460e+04												
68	104	6172.88	8188.64	-5.39e-03	0.0	0.0	-97.07	-138.91	-110.03	15.28	8188.64	
4376.73												
		4376.73	-5976.78	0.06	0.0	64.3	-69.64	-138.91	-110.03	15.28	1105.93	
5274.81												
						128.7	-42.21	-138.91	-110.03	15.28	-5976.78	
6172.88												
68	105	-3080.97	1582.57	0.04	0.0	0.0	-666.58	25.24	35.68	-26.17	-3014.11	-
3080.97												
		-1.951e+04	-3014.11	-0.13	0.0	64.3	-639.16	25.24	35.68	-26.17	-715.77	-
1.129e+04												
						128.7	-611.73	25.24	35.68	-26.17	1582.57	-
1.951e+04												
68	106	1.099e+04	4162.34	-4.37e-03	0.0	0.0	-17.01	-228.13	-56.94	6.18	4162.34	
1.099e+04												
		1263.50	-3170.05	0.03	0.0	64.3	10.42	-228.13	-56.94	6.18	496.15	
6125.20												
						128.7	37.85	-228.13	-56.94	6.18	-3170.05	
1263.50												

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
	-9.176e+04	-5.663e+04	-1.18	-2.94e-04		-3164.18	-2602.70	-1436.35	-362.02		
	1.071e+05	5.156e+04	1.10	1.14e-04		2199.60	3044.86	1547.34	245.70		

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN
cm												
1	1	-446.05	-3.55	0.01	-52.13	0.0	28.20	-34.74	0.04	-22.47	-7.11	-
446.05												
		-5759.51	-7.11	1.57e-03	0.0	45.8	28.20	-56.75	0.04	-22.47	-5.33	-
2472.34												
						91.6	28.20	-86.87	0.04	-22.47	-3.55	-
5759.51												
1	2	2730.75	-3.22	0.08	-318.89	0.0	7.47	-325.23	0.25	-116.67	-26.10	
2730.75												
		-3.878e+04	-26.10	5.13e-03	0.0	45.8	7.47	-438.90	0.25	-116.67	-14.66	-
1.399e+04												
						91.6	7.47	-644.12	0.25	-116.67	-3.22	-
3.878e+04												
1	3	-403.07	-2.73	9.04e-03	-35.06	0.0	22.08	-21.24	0.03	-15.51	-5.11	-
403.07												
		-3807.17	-5.11	1.14e-03	0.0	45.8	22.08	-36.44	0.03	-15.51	-3.92	-
1684.35												
						91.6	22.08	-56.31	0.03	-15.51	-2.73	-
3807.17												
1	4	2773.73	-2.41	0.07	-301.83	0.0	1.35	-311.73	0.24	-109.71	-24.10	
2773.73												
		-3.683e+04	-24.10	4.70e-03	0.0	45.8	1.35	-418.59	0.24	-109.71	-13.25	-
1.321e+04												
						91.6	1.35	-613.56	0.24	-109.71	-2.41	-
3.683e+04												
1	5	-369.18	-2.73	9.70e-03	-37.91	0.0	21.86	-24.34	0.03	-16.51	-5.32	-
369.18												
		-4159.42	-5.32	1.18e-03	0.0	45.8	21.86	-40.52	0.03	-16.51	-4.02	-
1807.26												
						91.6	21.86	-62.25	0.03	-16.51	-2.73	-
4159.42												
1	6	1748.69	-2.51	0.05	-215.75	0.0	8.04	-218.00	0.17	-79.31	-17.97	
1748.69												
		-2.618e+04	-17.97	3.55e-03	0.0	45.8	8.04	-295.28	0.17	-79.31	-10.24	-
9488.98												
						91.6	8.04	-433.75	0.17	-79.31	-2.51	-
2.618e+04												
1	7	-369.18	-2.73	9.70e-03	-37.91	0.0	21.86	-24.34	0.03	-16.51	-5.32	-
369.18												
		-4159.42	-5.32	1.18e-03	0.0	45.8	21.86	-40.52	0.03	-16.51	-4.02	-
1807.26												
						91.6	21.86	-62.25	0.03	-16.51	-2.73	-
4159.42												
1	8	1113.33	-2.58	0.04	-162.40	0.0	12.19	-159.90	0.13	-60.47	-14.17	
1113.33												
		-1.957e+04	-14.17	2.84e-03	0.0	45.8	12.19	-218.85	0.13	-60.47	-8.38	-
7184.47												
						91.6	12.19	-322.30	0.13	-60.47	-2.58	-
1.957e+04												
1	9	-369.18	-2.73	9.70e-03	-37.91	0.0	21.86	-24.34	0.03	-16.51	-5.32	-
369.18												
		-4159.42	-5.32	1.18e-03	0.0	45.8	21.86	-40.52	0.03	-16.51	-4.02	-
1807.26												
						91.6	21.86	-62.25	0.03	-16.51	-2.73	-
4159.42												
1	10	901.54	-2.60	0.03	-144.61	0.0	13.57	-140.54	0.11	-54.19	-12.91	901.54
		-1.737e+04	-12.91	2.60e-03	0.0	45.8	13.57	-193.38	0.11	-54.19	-7.75	-
6416.29												
						91.6	13.57	-285.15	0.11	-54.19	-2.60	-
1.737e+04												
1	11	-2.163e+04	15.89	0.06	-144.61	0.0	258.07	103.67	1.05	-138.04	-102.16	-
2.869e+04												
		-2.869e+04	-102.16	-2.18e-03	0.0	45.8	258.07	50.83	1.05	-138.04	-43.14	-
2.335e+04												

						91.6	258.07	-40.95	1.05	-138.04	15.89	-
2.165e+04												
1	12	-4332.27	82.56	0.11	-144.61	0.0	-387.15	-702.07	1.32	-169.39	-26.22	-
4332.27												
		-7.182e+04	-26.22	-0.02	0.0	45.8	-387.15	-754.91	1.32	-169.39	28.17	-
3.626e+04												
						91.6	-387.15	-846.68	1.32	-169.39	82.56	-
7.182e+04												
1	13	3.709e+04	0.40	-0.04	-144.61	0.0	414.29	420.99	-1.09	61.01	0.40	
6135.35												
		6135.35	-87.76	0.03	0.0	45.8	414.29	368.15	-1.09	61.01	-43.68	
2.343e+04												
						91.6	414.29	276.38	-1.09	61.01	-87.76	
3.709e+04												
1	14	3.050e+04	76.34	0.01	-144.61	0.0	-230.93	-384.74	-0.83	29.66	76.34	
3.050e+04												
		-1.309e+04	-21.09	7.38e-03	0.0	45.8	-230.93	-437.58	-0.83	29.66	27.63	
1.052e+04												
						91.6	-230.93	-529.35	-0.83	29.66	-21.09	-
1.309e+04												
1	15	-2.291e+04	17.88	0.06	-144.61	0.0	262.60	101.22	1.35	-138.76	-103.51	-
2.985e+04												
		-2.985e+04	-103.51	-2.50e-03	0.0	45.8	262.60	48.38	1.35	-138.76	-42.81	-
2.457e+04												
						91.6	262.60	-43.40	1.35	-138.76	17.88	-
2.293e+04												
1	16	-3178.04	80.57	0.11	-144.61	0.0	-391.68	-699.62	1.02	-168.68	-24.87	-
3178.04												
		-7.054e+04	-24.87	-0.02	0.0	45.8	-391.68	-752.46	1.02	-168.68	27.85	-
3.504e+04												
						91.6	-391.68	-844.23	1.02	-168.68	80.57	-
7.054e+04												
1	17	3.580e+04	-0.95	-0.04	-144.61	0.0	418.82	418.55	-0.80	60.29	-0.95	
4981.12												
		4981.12	-85.77	0.03	0.0	45.8	418.82	365.71	-0.80	60.29	-43.36	
2.221e+04												
						91.6	418.82	273.93	-0.80	60.29	-85.77	
3.580e+04												
1	18	3.165e+04	77.69	7.20e-03	-144.61	0.0	-235.46	-382.29	-1.13	30.38	77.69	
3.165e+04												
		-1.180e+04	-23.08	7.70e-03	0.0	45.8	-235.46	-435.13	-1.13	30.38	27.31	
1.174e+04												
						91.6	-235.46	-526.90	-1.13	30.38	-23.08	-
1.180e+04												
1	19	-2.373e+04	17.80	0.06	-144.61	0.0	284.46	96.20	1.06	-145.58	-101.08	-
2.881e+04												
		-2.881e+04	-101.08	-2.28e-03	0.0	45.8	284.46	43.37	1.06	-145.58	-41.64	-
2.459e+04												
						91.6	284.46	-48.41	1.06	-145.58	17.80	-
2.400e+04												
1	20	-4453.30	84.47	0.11	-144.61	0.0	-360.76	-709.53	1.33	-176.93	-25.14	-
4453.30												
		-7.417e+04	-25.14	-0.02	0.0	45.8	-360.76	-762.37	1.33	-176.93	29.66	-
3.749e+04												
						91.6	-360.76	-854.14	1.33	-176.93	84.47	-
7.417e+04												
1	21	3.943e+04	-0.67	-0.04	-144.61	0.0	387.90	428.45	-1.10	68.54	-0.67	
6256.38												
		6256.38	-89.67	0.03	0.0	45.8	387.90	375.62	-1.10	68.54	-45.17	
2.466e+04												
						91.6	387.90	283.84	-1.10	68.54	-89.67	
3.943e+04												
1	22	3.062e+04	75.26	5.60e-03	-144.61	0.0	-257.32	-377.28	-0.84	37.19	75.26	
3.062e+04												
		-1.074e+04	-23.00	7.49e-03	0.0	45.8	-257.32	-430.12	-0.84	37.19	26.13	
1.175e+04												
						91.6	-257.32	-521.89	-0.84	37.19	-23.00	-
1.074e+04												
1	23	-2.498e+04	19.79	0.07	-144.61	0.0	288.99	93.76	1.36	-146.29	-102.43	-
2.997e+04												
		-2.997e+04	-102.43	-2.60e-03	0.0	45.8	288.99	40.92	1.36	-146.29	-41.32	-
2.581e+04												

						91.6	288.99	-50.86	1.36	-146.29	19.79	-2.528e+04
1	24	-3299.07	82.48	0.11	-144.61	0.0	-365.29	-707.08	1.03	-176.21	-23.79	-3299.07
		-7.289e+04	-23.79	-0.02	0.0	45.8	-365.29	-759.92	1.03	-176.21	29.34	-3.627e+04
						91.6	-365.29	-851.69	1.03	-176.21	82.48	-7.289e+04
1	25	3.815e+04	-2.03	-0.04	-144.61	0.0	392.43	426.01	-0.81	67.83	-2.03	5102.14
		5102.14	-87.68	0.03	0.0	45.8	392.43	373.17	-0.81	67.83	-44.85	2.344e+04
						91.6	392.43	281.39	-0.81	67.83	-87.68	3.815e+04
1	26	3.177e+04	76.62	-3.98e-03	-144.61	0.0	-261.85	-374.83	-1.13	37.91	76.62	3.177e+04
		-9459.69	-24.99	7.81e-03	0.0	45.8	-261.85	-427.67	-1.13	37.91	25.81	1.297e+04
						91.6	-261.85	-519.44	-1.13	37.91	-24.99	9459.69
1	27	5.744e+04	-98.17	-0.03	-144.61	0.0	1065.50	1154.75	-0.01	-31.80	-154.86	4.492e+04
		-4.492e+04	-154.86	0.03	0.0	45.8	1065.50	1101.91	-0.01	-31.80	-126.52	8076.35
						91.6	1065.50	1010.14	-0.01	-31.80	-98.17	5.744e+04
1	28	3.628e+04	124.07	0.13	-144.61	0.0	-1085.23	-1531.02	0.88	-136.30	98.27	3.628e+04
		-1.098e+05	98.27	-0.03	0.0	45.8	-1085.23	-1583.86	0.88	-136.30	111.17	3.494e+04
						91.6	-1085.23	-1675.64	0.88	-136.30	124.07	1.098e+05
1	29	7.506e+04	-124.09	-0.06	-144.61	0.0	1112.37	1249.95	-0.65	27.92	-124.09	3.447e+04
		-3.447e+04	-129.27	0.04	0.0	45.8	1112.37	1197.11	-0.65	27.92	-126.68	2.211e+04
						91.6	1112.37	1105.34	-0.65	27.92	-129.27	7.506e+04
1	30	4.673e+04	129.04	0.10	-144.61	0.0	-1038.36	-1435.82	0.24	-76.59	129.04	4.673e+04
		-9.218e+04	92.97	-0.02	0.0	45.8	-1038.36	-1488.66	0.24	-76.59	111.01	2.091e+04
						91.6	-1038.36	-1580.44	0.24	-76.59	92.97	9.218e+04
1	31	5.674e+04	-97.60	-0.03	-144.61	0.0	1073.42	1152.51	-7.35e-03	-34.06	-154.53	4.496e+04
		-4.496e+04	-154.53	0.03	0.0	45.8	1073.42	1099.67	-7.35e-03	-34.06	-126.07	7706.49
						91.6	1073.42	1007.90	-7.35e-03	-34.06	-97.60	5.674e+04
1	32	3.624e+04	124.64	0.13	-144.61	0.0	-1077.31	-1533.26	0.88	-138.56	98.59	3.624e+04
		-1.105e+05	98.59	-0.03	0.0	45.8	-1077.31	-1586.10	0.88	-138.56	111.62	3.531e+04
						91.6	-1077.31	-1677.88	0.88	-138.56	124.64	1.105e+05
1	33	7.577e+04	-124.41	-0.07	-144.61	0.0	1104.45	1252.19	-0.66	30.18	-124.41	3.444e+04
		-3.444e+04	-129.84	0.04	0.0	45.8	1104.45	1199.35	-0.66	30.18	-127.13	2.248e+04
						91.6	1104.45	1107.57	-0.66	30.18	-129.84	7.577e+04
1	34	4.676e+04	128.72	0.10	-144.61	0.0	-1046.28	-1433.59	0.23	-74.33	128.72	4.676e+04
		-9.148e+04	92.40	-0.02	0.0	45.8	-1046.28	-1486.43	0.23	-74.33	110.56	2.054e+04
						91.6	-1046.28	-1578.20	0.23	-74.33	92.40	9.148e+04
1	35	5.317e+04	-91.53	-0.02	-144.61	0.0	1080.60	1146.59	0.98	-34.18	-159.36	4.877e+04
		-4.877e+04	-159.36	0.03	0.0	45.8	1080.60	1093.75	0.98	-34.18	-125.45	4014.83

						91.6	1080.60	1001.97	0.98	-34.18	-91.53	
5.317e+04												
1	36	4.013e+04	117.42	0.12	-144.61	0.0	-1100.33	-1522.86	-0.11	-133.91	102.78	
4.013e+04												
		-1.055e+05	102.78	-0.03	0.0	45.8	-1100.33	-1575.70	-0.11	-133.91	110.10	-
3.088e+04												
						91.6	-1100.33	-1667.47	-0.11	-133.91	117.42	-
1.055e+05												
1	37	7.079e+04	-122.62	-0.05	-144.61	0.0	1127.47	1241.79	0.34	25.53	-128.59	-
3.832e+04												
		-3.832e+04	-128.59	0.04	0.0	45.8	1127.47	1188.95	0.34	25.53	-125.61	
1.805e+04												
						91.6	1127.47	1097.17	0.34	25.53	-122.62	
7.079e+04												
1	38	5.057e+04	133.55	0.09	-144.61	0.0	-1053.46	-1427.66	-0.76	-74.20	133.55	
5.057e+04												
		-8.790e+04	86.33	-0.02	0.0	45.8	-1053.46	-1480.50	-0.76	-74.20	109.94	-
1.685e+04												
						91.6	-1053.46	-1572.27	-0.76	-74.20	86.33	-
8.790e+04												
1	39	5.246e+04	-90.95	-0.02	-144.61	0.0	1088.52	1144.35	0.98	-36.44	-159.04	-
4.881e+04												
		-4.881e+04	-159.04	0.03	0.0	45.8	1088.52	1091.51	0.98	-36.44	-125.00	
3644.97												
						91.6	1088.52	999.74	0.98	-36.44	-90.95	
5.246e+04												
1	40	4.009e+04	118.00	0.12	-144.61	0.0	-1092.41	-1525.10	-0.11	-136.17	103.10	
4.009e+04												
		-1.062e+05	103.10	-0.03	0.0	45.8	-1092.41	-1577.94	-0.11	-136.17	110.55	-
3.125e+04												
						91.6	-1092.41	-1669.71	-0.11	-136.17	118.00	-
1.062e+05												
1	41	7.149e+04	-123.20	-0.06	-144.61	0.0	1119.55	1244.02	0.33	27.79	-128.92	-
3.829e+04												
		-3.829e+04	-128.92	0.04	0.0	45.8	1119.55	1191.18	0.33	27.79	-126.06	
1.842e+04												
						91.6	1119.55	1099.41	0.33	27.79	-123.20	
7.149e+04												
1	42	5.061e+04	133.22	0.09	-144.61	0.0	-1061.38	-1425.42	-0.76	-71.94	133.22	
5.061e+04												
		-8.720e+04	85.76	-0.02	0.0	45.8	-1061.38	-1478.26	-0.76	-71.94	109.49	-
1.648e+04												
						91.6	-1061.38	-1570.04	-0.76	-71.94	85.76	-
8.720e+04												
1	43	-1.963e+04	12.05	0.05	-144.61	0.0	207.39	53.93	0.86	-120.15	-83.50	-
2.253e+04												
		-2.253e+04	-83.50	-1.16e-03	0.0	45.8	207.39	1.09	0.86	-120.15	-35.72	-
1.979e+04												
						91.6	207.39	-90.68	0.86	-120.15	12.05	-
2.069e+04												
1	44	-3242.07	64.85	0.09	-144.61	0.0	-303.62	-584.25	1.07	-144.43	-23.31	-
3242.07												
		-6.043e+04	-23.31	-0.02	0.0	45.8	-303.62	-637.09	1.07	-144.43	20.77	-
3.002e+04												
						91.6	-303.62	-728.86	1.07	-144.43	64.85	-
6.043e+04												
1	45	2.570e+04	-2.50	-0.02	-144.61	0.0	330.76	303.17	-0.84	36.05	-2.50	
5045.15												
		5045.15	-70.05	0.02	0.0	45.8	330.76	250.33	-0.84	36.05	-36.28	
1.719e+04												
						91.6	330.76	158.56	-0.84	36.05	-70.05	
2.570e+04												
1	46	2.433e+04	57.68	0.02	-144.61	0.0	-180.25	-335.00	-0.63	11.76	57.68	
2.433e+04												
		-1.404e+04	-17.25	6.37e-03	0.0	45.8	-180.25	-387.84	-0.63	11.76	20.21	
6961.79												
						91.6	-180.25	-479.62	-0.63	11.76	-17.25	-
1.404e+04												
1	47	-2.061e+04	13.63	0.06	-144.61	0.0	210.99	51.99	1.09	-120.73	-84.57	-
2.344e+04												
		-2.344e+04	-84.57	-1.42e-03	0.0	45.8	210.99	-0.85	1.09	-120.73	-35.47	-
2.076e+04												

						91.6	210.99	-92.63	1.09	-120.73	13.63	-2.171e+04
1	48	-2326.27	63.27	0.09	-144.61	0.0	-307.22	-582.30	0.83	-143.85	-22.24	-2326.27
		-5.942e+04	-22.24	-0.02	0.0	45.8	-307.22	-635.14	0.83	-143.85	20.51	-2.905e+04
						91.6	-307.22	-726.92	0.83	-143.85	63.27	-5.942e+04
1	49	2.468e+04	-3.57	-0.02	-144.61	0.0	334.36	301.23	-0.61	35.46	-3.57	4129.35
		4129.35	-68.47	0.02	0.0	45.8	334.36	248.39	-0.61	35.46	-36.02	1.622e+04
						91.6	334.36	156.61	-0.61	35.46	-68.47	2.468e+04
1	50	2.525e+04	58.75	0.01	-144.61	0.0	-183.85	-333.06	-0.87	12.35	58.75	2.525e+04
		-1.303e+04	-18.83	6.62e-03	0.0	45.8	-183.85	-385.90	-0.87	12.35	19.96	7928.48
						91.6	-183.85	-477.67	-0.87	12.35	-18.83	1.303e+04
1	51	-2.077e+04	13.55	0.06	-144.61	0.0	228.56	47.89	0.86	-126.23	-82.59	2.262e+04
		-2.262e+04	-82.59	-1.25e-03	0.0	45.8	228.56	-4.94	0.86	-126.23	-34.52	2.078e+04
						91.6	228.56	-96.72	0.86	-126.23	13.55	2.256e+04
1	52	-3335.85	66.36	0.10	-144.61	0.0	-282.45	-590.28	1.08	-150.51	-22.41	3335.85
		-6.230e+04	-22.41	-0.02	0.0	45.8	-282.45	-643.12	1.08	-150.51	21.97	3.100e+04
						91.6	-282.45	-734.90	1.08	-150.51	66.36	6.230e+04
1	53	2.756e+04	-3.41	-0.03	-144.61	0.0	309.59	309.21	-0.85	42.13	-3.41	5138.93
		5138.93	-71.56	0.02	0.0	45.8	309.59	256.37	-0.85	42.13	-37.48	1.817e+04
						91.6	309.59	164.59	-0.85	42.13	-71.56	2.756e+04
1	54	2.443e+04	56.77	0.01	-144.61	0.0	-201.42	-328.97	-0.64	17.84	56.77	2.443e+04
		-1.218e+04	-18.75	6.46e-03	0.0	45.8	-201.42	-381.81	-0.64	17.84	19.01	7942.51
						91.6	-201.42	-473.58	-0.64	17.84	-18.75	1.218e+04
1	55	-2.174e+04	15.14	0.06	-144.61	0.0	232.16	45.95	1.10	-126.81	-83.66	2.354e+04
		-2.358e+04	-83.66	-1.51e-03	0.0	45.8	232.16	-6.89	1.10	-126.81	-34.26	2.174e+04
						91.6	232.16	-98.66	1.10	-126.81	15.14	2.358e+04
1	56	-2420.05	64.77	0.09	-144.61	0.0	-286.05	-588.34	0.84	-149.93	-21.34	2420.05
		-6.128e+04	-21.34	-0.02	0.0	45.8	-286.05	-641.18	0.84	-149.93	21.72	3.003e+04
						91.6	-286.05	-732.95	0.84	-149.93	64.77	6.128e+04
1	57	2.655e+04	-4.48	-0.03	-144.61	0.0	313.19	307.27	-0.62	41.54	-4.48	4223.13
		4223.13	-69.97	0.02	0.0	45.8	313.19	254.43	-0.62	41.54	-37.23	1.720e+04
						91.6	313.19	162.65	-0.62	41.54	-69.97	2.655e+04
1	58	2.534e+04	57.84	9.30e-03	-144.61	0.0	-205.02	-327.02	-0.87	18.43	57.84	2.534e+04
		-1.116e+04	-20.34	6.71e-03	0.0	45.8	-205.02	-379.86	-0.87	18.43	18.75	8909.20
						91.6	-205.02	-471.64	-0.87	18.43	-20.34	1.116e+04
1	59	4.190e+04	-78.29	-0.02	-144.61	0.0	846.76	885.71	0.02	-37.15	-125.36	3.538e+04
		-3.538e+04	-125.36	0.02	0.0	45.8	846.76	832.87	0.02	-37.15	-101.82	5079.77

					91.6	846.76	741.09	0.02	-37.15	-78.29	
4.190e+04											
1	60	2.891e+04	97.72	0.11	-144.61	0.0	-856.63	-1241.55	0.72	-118.09	75.25
2.891e+04											
		-9.056e+04	75.25	-0.02	0.0	45.8	-856.63	-1294.39	0.72	-118.09	86.48	-
2.901e+04											
						91.6	-856.63	-1386.16	0.72	-118.09	97.72	-
9.056e+04											
1	61	5.582e+04	-101.06	-0.04	-144.61	0.0	883.77	960.48	-0.49	9.71	-101.06	-
2.711e+04											
		-2.711e+04	-102.92	0.03	0.0	45.8	883.77	907.64	-0.49	9.71	-101.99	
1.617e+04											
						91.6	883.77	815.86	-0.49	9.71	-102.92	
5.582e+04											
1	62	3.718e+04	99.54	0.09	-144.61	0.0	-819.62	-1166.78	0.21	-71.23	99.54	
3.718e+04											
		-7.664e+04	73.09	-0.02	0.0	45.8	-819.62	-1219.62	0.21	-71.23	86.32	-
1.791e+04											
						91.6	-819.62	-1311.39	0.21	-71.23	73.09	-
7.664e+04											
1	63	4.134e+04	-77.84	-0.02	-144.61	0.0	853.11	883.89	0.02	-38.98	-125.09	-
3.541e+04											
		-3.541e+04	-125.09	0.02	0.0	45.8	853.11	831.05	0.02	-38.98	-101.46	
4785.55											
						91.6	853.11	739.28	0.02	-38.98	-77.84	
4.134e+04											
1	64	2.888e+04	98.17	0.11	-144.61	0.0	-850.28	-1243.36	0.72	-119.91	75.52
2.888e+04											
		-9.112e+04	75.52	-0.02	0.0	45.8	-850.28	-1296.20	0.72	-119.91	86.84	-
2.930e+04											
						91.6	-850.28	-1387.98	0.72	-119.91	98.17	-
9.112e+04											
1	65	5.638e+04	-101.33	-0.04	-144.61	0.0	877.42	962.29	-0.50	11.53	-101.33	-
2.708e+04											
		-2.708e+04	-103.37	0.03	0.0	45.8	877.42	909.45	-0.50	11.53	-102.35	
1.647e+04											
						91.6	877.42	817.67	-0.50	11.53	-103.37	
5.638e+04											
1	66	3.721e+04	99.27	0.09	-144.61	0.0	-825.97	-1164.97	0.21	-69.41	99.27
3.721e+04											
		-7.608e+04	72.64	-0.02	0.0	45.8	-825.97	-1217.81	0.21	-69.41	85.95	-
1.762e+04											
						91.6	-825.97	-1309.58	0.21	-69.41	72.64	-
7.608e+04											
1	67	3.851e+04	-73.00	-0.01	-144.61	0.0	858.74	879.23	0.80	-39.09	-128.93	-
3.843e+04											
		-3.843e+04	-128.93	0.02	0.0	45.8	858.74	826.39	0.80	-39.09	-100.97	
1857.48											
						91.6	858.74	734.61	0.80	-39.09	-73.00	
3.851e+04											
1	68	3.196e+04	92.43	0.10	-144.61	0.0	-868.61	-1235.07	-0.06	-116.15	78.81
3.196e+04											
		-8.717e+04	78.81	-0.02	0.0	45.8	-868.61	-1287.91	-0.06	-116.15	85.62	-
2.578e+04											
						91.6	-868.61	-1379.68	-0.06	-116.15	92.43	-
8.717e+04											
1	69	5.243e+04	-97.63	-0.04	-144.61	0.0	895.75	954.00	0.29	7.76	-104.63	-
3.016e+04											
		-3.016e+04	-104.63	0.03	0.0	45.8	895.75	901.16	0.29	7.76	-101.13	
1.295e+04											
						91.6	895.75	809.38	0.29	7.76	-97.63	
5.243e+04											
1	70	4.023e+04	103.11	0.08	-144.61	0.0	-831.60	-1160.30	-0.57	-69.29	103.11
4.023e+04											
		-7.325e+04	67.80	-0.02	0.0	45.8	-831.60	-1213.14	-0.57	-69.29	85.46	-
1.469e+04											
						91.6	-831.60	-1304.91	-0.57	-69.29	67.80	-
7.325e+04											
1	71	3.795e+04	-72.55	-0.01	-144.61	0.0	865.09	877.41	0.80	-40.92	-128.66	-
3.846e+04											
		-3.846e+04	-128.66	0.02	0.0	45.8	865.09	824.57	0.80	-40.92	-100.60	
1563.26											

						91.6	865.09	732.80	0.80	-40.92	-72.55	
3.795e+04												
1	72	3.193e+04	92.88	0.11	-144.61	0.0	-862.26	-1236.88	-0.06	-117.97	79.09	
3.193e+04												
		-8.773e+04	79.09	-0.02	0.0	45.8	-862.26	-1289.72	-0.06	-117.97	85.99	-
2.608e+04												
						91.6	-862.26	-1381.50	-0.06	-117.97	92.88	-
8.773e+04												
1	73	5.299e+04	-98.08	-0.04	-144.61	0.0	889.40	955.81	0.29	9.59	-104.90	-
3.013e+04												
		-3.013e+04	-104.90	0.03	0.0	45.8	889.40	902.97	0.29	9.59	-101.49	
1.325e+04												
						91.6	889.40	811.19	0.29	9.59	-98.08	
5.299e+04												
1	74	4.026e+04	102.84	0.08	-144.61	0.0	-837.95	-1158.49	-0.58	-67.47	102.84	
4.026e+04												
		-7.269e+04	67.35	-0.02	0.0	45.8	-837.95	-1211.33	-0.58	-67.47	85.10	-
1.440e+04												
						91.6	-837.95	-1303.10	-0.58	-67.47	67.35	-
7.269e+04												
1	75	-1.744e+04	9.51	0.05	-144.61	0.0	173.74	20.08	0.73	-108.74	-71.29	-
1.846e+04												
		-2.013e+04	-71.29	-5.09e-04	0.0	45.8	173.74	-32.76	0.73	-108.74	-30.89	-
1.748e+04												
						91.6	173.75	-124.53	0.73	-108.74	9.51	-
2.013e+04												
1	76	-2523.99	53.14	0.08	-144.61	0.0	-248.59	-507.34	0.90	-128.84	-21.55	-
2523.99												
		-5.297e+04	-21.55	-0.01	0.0	45.8	-248.58	-560.18	0.90	-128.84	15.80	-
2.593e+04												
						91.6	-248.58	-651.95	0.90	-128.84	53.14	-
5.297e+04												
1	77	1.823e+04	-4.27	-0.01	-144.61	0.0	275.72	226.26	-0.68	20.46	-4.27	
4327.07												
		4327.07	-58.34	0.02	0.0	45.8	275.72	173.42	-0.68	20.46	-31.31	
1.310e+04												
						91.6	275.72	81.65	-0.68	20.46	-58.34	
1.823e+04												
1	78	2.027e+04	45.47	0.02	-144.61	0.0	-146.61	-301.16	-0.50	0.36	45.47	
2.027e+04												
		-1.461e+04	-14.71	5.71e-03	0.0	45.8	-146.61	-354.00	-0.50	0.36	15.38	
4645.04												
						91.6	-146.61	-445.77	-0.50	0.36	-14.71	-
1.461e+04												
1	79	-1.824e+04	10.82	0.05	-144.61	0.0	176.71	18.48	0.92	-109.23	-72.17	-
1.922e+04												
		-2.097e+04	-72.17	-7.22e-04	0.0	45.8	176.71	-34.36	0.92	-109.23	-30.68	-
1.828e+04												
						91.6	176.71	-126.14	0.92	-109.23	10.82	-
2.097e+04												
1	80	-1767.25	51.83	0.08	-144.61	0.0	-251.55	-505.73	0.71	-128.36	-20.66	-
1767.25												
		-5.213e+04	-20.66	-0.01	0.0	45.8	-251.55	-558.57	0.71	-128.36	15.58	-
2.513e+04												
						91.6	-251.55	-650.34	0.71	-128.36	51.83	-
5.213e+04												
1	81	1.739e+04	-5.15	-0.01	-144.61	0.0	278.69	224.66	-0.48	19.98	-5.15	
3570.32												
		3570.32	-57.03	0.02	0.0	45.8	278.69	171.82	-0.48	19.98	-31.09	
1.230e+04												
						91.6	278.69	80.04	-0.48	19.98	-57.03	
1.739e+04												
1	82	2.102e+04	46.35	0.02	-144.61	0.0	-149.58	-299.55	-0.70	0.84	46.35	
2.102e+04												
		-1.377e+04	-16.02	5.93e-03	0.0	45.8	-149.58	-352.39	-0.70	0.84	15.17	
5443.85												
						91.6	-149.58	-444.16	-0.70	0.84	-16.02	-
1.377e+04												
1	83	-1.808e+04	10.75	0.05	-144.61	0.0	191.21	15.10	0.73	-113.76	-70.53	-
1.854e+04												
		-2.167e+04	-70.53	-5.82e-04	0.0	45.8	191.21	-37.74	0.73	-113.76	-29.89	-
1.829e+04												

						91.6	191.21	-129.52	0.73	-113.76	10.75	-2.167e+04
1	84	-2601.19	54.39	0.09	-144.61	0.0	-231.12	-512.32	0.91	-133.86	-20.80	-2601.19
		-5.451e+04	-20.80	-0.01	0.0	45.8	-231.12	-565.16	0.91	-133.86	16.80	-2.674e+04
						91.6	-231.12	-656.93	0.91	-133.86	54.39	-5.451e+04
1	85	1.977e+04	-5.02	-0.02	-144.61	0.0	258.26	231.25	-0.68	25.48	-5.02	4404.27
		4404.27	-59.59	0.02	0.0	45.8	258.26	178.41	-0.68	25.48	-32.30	1.391e+04
						91.6	258.26	86.63	-0.68	25.48	-59.59	1.977e+04
1	86	2.034e+04	44.72	0.02	-144.61	0.0	-164.07	-296.17	-0.51	5.38	44.72	2.034e+04
		-1.307e+04	-15.95	5.79e-03	0.0	45.8	-164.07	-349.01	-0.51	5.38	14.38	5454.72
						91.6	-164.07	-440.79	-0.51	5.38	-15.95	1.307e+04
1	87	-1.886e+04	12.06	0.06	-144.61	0.0	194.18	13.49	0.93	-114.24	-71.42	1.930e+04
		-2.251e+04	-71.42	-7.95e-04	0.0	45.8	194.18	-39.35	0.93	-114.24	-29.68	1.909e+04
						91.6	194.18	-131.12	0.93	-114.24	12.06	2.251e+04
1	88	-1844.44	53.08	0.08	-144.61	0.0	-234.09	-510.71	0.71	-133.38	-19.91	1844.44
		-5.367e+04	-19.91	-0.01	0.0	45.8	-234.09	-563.55	0.71	-133.38	16.58	2.594e+04
						91.6	-234.09	-655.33	0.71	-133.38	53.08	5.367e+04
1	89	1.893e+04	-5.90	-0.02	-144.61	0.0	261.23	229.64	-0.49	25.00	-5.90	3647.52
		3647.52	-58.28	0.02	0.0	45.8	261.23	176.80	-0.49	25.00	-32.09	1.311e+04
						91.6	261.23	85.03	-0.49	25.00	-58.28	1.893e+04
1	90	2.110e+04	45.60	0.01	-144.61	0.0	-167.04	-294.57	-0.70	5.86	45.60	2.110e+04
		-1.223e+04	-17.26	6.00e-03	0.0	45.8	-167.04	-347.40	-0.70	5.86	14.17	6253.53
						91.6	-167.04	-439.18	-0.70	5.86	-17.26	1.223e+04
1	91	3.161e+04	-65.15	-0.01	-144.61	0.0	702.16	707.57	0.03	-40.07	-105.85	2.908e+04
		-2.908e+04	-105.85	0.02	0.0	45.8	702.16	654.73	0.03	-40.07	-85.50	3082.76
						91.6	702.16	562.95	0.03	-40.07	-65.15	3.161e+04
1	92	2.405e+04	80.31	0.10	-144.61	0.0	-705.61	-1050.50	0.61	-107.07	59.93	2.405e+04
		-7.786e+04	59.93	-0.02	0.0	45.8	-705.61	-1103.34	0.61	-107.07	70.12	2.509e+04
						91.6	-705.61	-1195.11	0.61	-107.07	80.31	7.786e+04
1	93	4.312e+04	-85.51	-0.03	-144.61	0.0	732.75	769.42	-0.39	-1.31	-85.75	2.225e+04
		-2.225e+04	-85.75	0.03	0.0	45.8	732.75	716.58	-0.39	-1.31	-85.63	1.225e+04
						91.6	732.75	624.81	-0.39	-1.31	-85.51	4.312e+04
1	94	3.089e+04	80.04	0.08	-144.61	0.0	-675.02	-988.64	0.19	-68.31	80.04	3.089e+04
		-6.635e+04	59.95	-0.01	0.0	45.8	-675.02	-1041.48	0.19	-68.31	69.99	1.592e+04
						91.6	-675.02	-1133.26	0.19	-68.31	59.95	6.635e+04
1	95	3.115e+04	-64.78	-0.01	-144.61	0.0	707.40	706.07	0.04	-41.58	-105.63	2.911e+04
		-2.911e+04	-105.63	0.02	0.0	45.8	707.40	653.23	0.04	-41.58	-85.20	2839.86

						91.6	707.40	561.46	0.04	-41.58	-64.78	
3.115e+04												
1	96	2.403e+04	80.68	0.10	-144.61	0.0	-700.37	-1051.99	0.62	-108.58	60.16	
2.403e+04												
		-7.832e+04	60.16	-0.02	0.0	45.8	-700.37	-1104.83	0.62	-108.58	70.42	-
2.533e+04												
						91.6	-700.37	-1196.61	0.62	-108.58	80.68	-
7.832e+04												
1	97	4.358e+04	-85.88	-0.03	-144.61	0.0	727.51	770.92	-0.39	0.19	-85.97	-
2.222e+04												
		-2.222e+04	-85.97	0.03	0.0	45.8	727.51	718.08	-0.39	0.19	-85.93	
1.250e+04												
						91.6	727.51	626.30	-0.39	0.19	-85.88	
4.358e+04												
1	98	3.091e+04	79.81	0.08	-144.61	0.0	-680.26	-987.15	0.19	-66.81	79.81	
3.091e+04												
		-6.589e+04	59.58	-0.01	0.0	45.8	-680.26	-1039.99	0.19	-66.81	69.70	-
1.567e+04												
						91.6	-680.26	-1131.76	0.19	-66.81	59.58	-
6.589e+04												
1	99	2.881e+04	-60.79	-5.03e-03	-144.61	0.0	712.05	702.21	0.68	-41.68	-108.80	-
3.161e+04												
		-3.161e+04	-108.80	0.02	0.0	45.8	712.05	649.37	0.68	-41.68	-84.79	420.07
						91.6	712.05	557.60	0.68	-41.68	-60.79	
2.881e+04												
1	100	2.657e+04	75.94	0.09	-144.61	0.0	-715.51	-1045.14	-0.03	-105.47	62.88	
2.657e+04												
		-7.506e+04	62.88	-0.02	0.0	45.8	-715.51	-1097.98	-0.03	-105.47	69.41	-
2.242e+04												
						91.6	-715.51	-1189.75	-0.03	-105.47	75.94	-
7.506e+04												
1	101	4.032e+04	-81.14	-0.02	-144.61	0.0	742.65	764.07	0.26	-2.91	-88.70	-
2.477e+04												
		-2.477e+04	-88.70	0.02	0.0	45.8	742.65	711.23	0.26	-2.91	-84.92	
9592.19												
						91.6	742.65	619.45	0.26	-2.91	-81.14	
4.032e+04												
1	102	3.341e+04	82.99	0.07	-144.61	0.0	-684.92	-983.29	-0.45	-66.71	82.99	
3.341e+04												
		-6.355e+04	55.59	-0.01	0.0	45.8	-684.92	-1036.13	-0.45	-66.71	69.29	-
1.325e+04												
						91.6	-684.92	-1127.90	-0.45	-66.71	55.59	-
6.355e+04												
1	103	2.835e+04	-60.41	-4.18e-03	-144.61	0.0	717.29	700.72	0.68	-43.18	-108.58	-
3.163e+04												
		-3.163e+04	-108.58	0.02	0.0	45.8	717.29	647.88	0.68	-43.18	-84.50	177.16
						91.6	717.29	556.10	0.68	-43.18	-60.41	
2.835e+04												
1	104	2.655e+04	76.31	0.09	-144.61	0.0	-710.27	-1046.63	-0.03	-106.98	63.11	
2.655e+04												
		-7.552e+04	63.11	-0.02	0.0	45.8	-710.27	-1099.47	-0.03	-106.98	69.71	-
2.267e+04												
						91.6	-710.27	-1191.25	-0.03	-106.98	76.31	-
7.552e+04												
1	105	4.078e+04	-81.51	-0.02	-144.61	0.0	737.41	765.56	0.26	-1.41	-88.92	-
2.475e+04												
		-2.475e+04	-88.92	0.02	0.0	45.8	737.41	712.72	0.26	-1.41	-85.22	
9835.09												
						91.6	737.41	620.95	0.26	-1.41	-81.51	
4.078e+04												
1	106	3.343e+04	82.76	0.07	-144.61	0.0	-690.16	-981.79	-0.46	-65.20	82.76	
3.343e+04												
		-6.309e+04	55.21	-0.01	0.0	45.8	-690.16	-1034.63	-0.46	-65.20	68.99	-
1.301e+04												
						91.6	-690.16	-1126.40	-0.46	-65.20	55.21	-
6.309e+04												
3	1	230.06	0.41	5.95e-03	-13.07	0.0	2.01	-10.19	-0.01	-0.03	0.41	230.06
		-661.56	-0.11	8.11e-04	0.0	25.5	2.01	-17.86	-0.01	-0.03	0.15	-
132.43												
						51.0	2.01	-23.26	-0.01	-0.03	-0.11	-
661.56												
3	2	1435.26	5.50	0.03	-59.65	0.0	10.17	-85.60	0.06	-0.13	2.29	

1435.26												
		-4886.19	2.29	2.97e-03	0.0	25.5	10.17	-128.21	0.06	-0.13	3.90	-
1345.16												
						51.0	10.17	-145.26	0.06	-0.13	5.50	-
4886.19												
3	3	154.23	0.28	4.04e-03	-9.17	0.0	1.39	-6.42	-9.26e-03	-0.02	0.28	154.23
		-429.16	-0.19	5.83e-04	0.0	25.5	1.39	-11.66	-9.26e-03	-0.02	0.05	-78.98
						51.0	1.39	-15.59	-9.26e-03	-0.02	-0.19	-
429.16												
3	4	1359.43	5.42	0.03	-55.76	0.0	9.55	-81.83	0.06	-0.12	2.16	
1359.43												
		-4653.79	2.16	2.74e-03	0.0	25.5	9.55	-122.01	0.06	-0.12	3.79	-
1291.71												
						51.0	9.55	-137.59	0.06	-0.12	5.42	-
4653.79												
3	5	167.08	0.30	4.34e-03	-9.67	0.0	1.48	-7.22	-8.48e-03	-0.02	0.30	167.08
		-474.23	-0.13	6.06e-04	0.0	25.5	1.48	-12.83	-8.48e-03	-0.02	0.09	-91.92
						51.0	1.48	-16.89	-8.48e-03	-0.02	-0.13	-
474.23												
3	6	970.55	3.61	0.02	-40.73	0.0	6.92	-57.50	0.04	-0.09	1.55	970.55
		-3290.65	1.55	2.05e-03	0.0	25.5	6.92	-86.40	0.04	-0.09	2.58	-
900.41												
						51.0	6.92	-98.22	0.04	-0.09	3.61	-
3290.65												
3	7	167.08	0.30	4.34e-03	-9.67	0.0	1.48	-7.22	-8.48e-03	-0.02	0.30	167.08
		-474.23	-0.13	6.06e-04	0.0	25.5	1.48	-12.83	-8.48e-03	-0.02	0.09	-91.92
						51.0	1.48	-16.89	-8.48e-03	-0.02	-0.13	-
474.23												
3	8	729.51	2.49	0.02	-31.41	0.0	5.28	-42.41	0.03	-0.07	1.18	729.51
		-2445.72	1.18	1.61e-03	0.0	25.5	5.28	-64.33	0.03	-0.07	1.83	-
657.86												
						51.0	5.28	-73.82	0.03	-0.07	2.49	-
2445.72												
3	9	167.08	0.30	4.34e-03	-9.67	0.0	1.48	-7.22	-8.48e-03	-0.02	0.30	167.08
		-474.23	-0.13	6.06e-04	0.0	25.5	1.48	-12.83	-8.48e-03	-0.02	0.09	-91.92
						51.0	1.48	-16.89	-8.48e-03	-0.02	-0.13	-
474.23												
3	10	649.16	2.11	0.02	-28.31	0.0	4.74	-37.39	0.02	-0.06	1.05	649.16
		-2164.08	1.05	1.47e-03	0.0	25.5	4.74	-56.97	0.02	-0.06	1.58	-
577.01												
						51.0	4.74	-65.69	0.02	-0.06	2.11	-
2164.08												
3	11	554.70	134.93	5.16e-03	-28.31	0.0	19.43	-158.61	-4.72	-0.68	134.93	554.70
		-8337.30	-106.18	-1.37e-03	0.0	25.5	19.43	-178.19	-4.72	-0.68	14.38	-
3710.86												
						51.0	19.43	-186.91	-4.72	-0.68	-106.18	-
8337.30												
3	12	567.16	72.62	-0.03	-28.31	0.0	10.67	-195.91	-2.53	-0.17	72.62	567.16
		-1.024e+04	-55.97	-8.86e-03	0.0	25.5	10.67	-215.50	-2.53	-0.17	8.33	-
4655.83												
						51.0	10.67	-224.22	-2.53	-0.17	-55.97	-
1.024e+04												
3	13	5911.55	60.19	0.06	-28.31	0.0	-1.19	121.14	2.57	0.05	-70.52	731.17
		731.17	-70.52	0.01	0.0	25.5	-1.19	101.55	2.57	0.05	-5.16	
3501.81												
						51.0	-1.19	92.84	2.57	0.05	60.19	
5911.55												
3	14	4009.14	110.41	0.03	-28.31	0.0	-9.95	83.83	4.76	0.56	-132.82	743.63
		743.63	-132.82	4.31e-03	0.0	25.5	-9.95	64.25	4.76	0.56	-11.21	
2556.83												
						51.0	-9.95	55.53	4.76	0.56	110.41	
4009.14												
3	15	550.26	131.37	5.13e-03	-28.31	0.0	19.08	-155.76	-4.59	-0.67	131.37	550.26
		-8191.92	-103.30	-1.48e-03	0.0	25.5	19.08	-175.35	-4.59	-0.67	14.03	-
3640.38												
						51.0	19.08	-184.07	-4.59	-0.67	-103.30	-
8191.92												
3	16	571.59	76.18	-0.03	-28.31	0.0	11.02	-198.76	-2.66	-0.19	76.18	571.59
		-1.039e+04	-58.84	-8.74e-03	0.0	25.5	11.02	-218.35	-2.66	-0.19	8.67	-
4726.30												
						51.0	11.02	-227.06	-2.66	-0.19	-58.84	-
1.039e+04												

3	17	6056.93	63.07	0.06	-28.31	0.0	-1.54	123.99	2.70	0.07	-74.08	726.73
		726.73	-74.08	0.01	0.0	25.5	-1.54	104.40	2.70	0.07	-5.50	
3572.28												
						51.0	-1.54	95.68	2.70	0.07	63.07	
6056.93												
3	18	3863.77	107.53	0.03	-28.31	0.0	-9.59	80.99	4.63	0.54	-129.26	748.06
		748.06	-129.26	4.42e-03	0.0	25.5	-9.59	61.40	4.63	0.54	-10.87	
2486.36												
						51.0	-9.59	52.68	4.63	0.54	107.53	
3863.77												
3	19	555.14	147.51	3.79e-03	-28.31	0.0	1.28	-160.35	-5.16	-0.73	147.51	555.14
		-8426.40	-116.36	-1.37e-03	0.0	25.5	1.28	-179.94	-5.16	-0.73	15.57	-
3755.18												
						51.0	1.28	-188.66	-5.16	-0.73	-116.36	-
8426.40												
3	20	567.60	85.20	-0.03	-28.31	0.0	-7.48	-197.66	-2.98	-0.23	85.20	567.60
		-1.033e+04	-66.15	-8.85e-03	0.0	25.5	-7.48	-217.24	-2.98	-0.23	9.52	-
4700.15												
						51.0	-7.48	-225.96	-2.98	-0.23	-66.15	-
1.033e+04												
3	21	6000.65	70.38	0.06	-28.31	0.0	16.96	122.89	3.02	0.10	-83.09	730.72
		730.72	-83.09	0.01	0.0	25.5	16.96	103.30	3.02	0.10	-6.36	
3546.13												
						51.0	16.96	94.58	3.02	0.10	70.38	
6000.65												
3	22	4098.24	120.59	0.03	-28.31	0.0	8.20	85.58	5.20	0.61	-145.40	743.18
		743.18	-145.40	4.30e-03	0.0	25.5	8.20	65.99	5.20	0.61	-12.40	
2601.16												
						51.0	8.20	57.27	5.20	0.61	120.59	
4098.24												
3	23	550.71	143.95	3.76e-03	-28.31	0.0	0.93	-157.50	-5.03	-0.72	143.95	550.71
		-8281.02	-113.49	-1.48e-03	0.0	25.5	0.93	-177.09	-5.03	-0.72	15.23	-
3684.71												
						51.0	0.93	-185.81	-5.03	-0.72	-113.49	-
8281.02												
3	24	572.04	88.76	-0.03	-28.31	0.0	-7.13	-200.50	-3.11	-0.24	88.76	572.04
		-1.047e+04	-69.02	-8.74e-03	0.0	25.5	-7.13	-220.09	-3.11	-0.24	9.87	-
4770.62												
						51.0	-7.13	-228.81	-3.11	-0.24	-69.02	-
1.047e+04												
3	25	6146.02	73.25	0.06	-28.31	0.0	16.61	125.73	3.15	0.12	-86.65	726.29
		726.29	-86.65	0.01	0.0	25.5	16.61	106.14	3.15	0.12	-6.70	
3616.60												
						51.0	16.61	97.43	3.15	0.12	73.25	
6146.02												
3	26	3952.86	117.71	0.03	-28.31	0.0	8.56	82.73	5.08	0.59	-141.84	747.62
		747.62	-141.84	4.42e-03	0.0	25.5	8.56	63.15	5.08	0.59	-12.06	
2530.69												
						51.0	8.56	54.43	5.08	0.59	117.71	
3952.86												
3	27	601.92	135.72	0.07	-28.31	0.0	22.44	-17.17	-4.71	-1.02	135.72	601.92
		-1130.73	-106.53	0.01	0.0	25.5	22.44	-36.76	-4.71	-1.02	14.59	-83.96
						51.0	22.44	-45.48	-4.71	-1.02	-106.53	-
1130.73												
3	28	643.46	60.85	-0.05	-28.31	0.0	-6.77	-141.52	2.57	0.68	-71.98	643.46
		-7472.09	-71.98	-0.01	0.0	25.5	-6.77	-161.11	2.57	0.68	-5.57	-
3233.86												
						51.0	-6.77	-169.83	2.57	0.68	60.85	-
7472.09												
3	29	3143.93	74.08	0.08	-28.31	0.0	16.25	66.75	-2.52	-0.80	74.08	654.86
		654.86	-56.62	0.02	0.0	25.5	16.25	47.17	-2.52	-0.80	8.73	
2079.84												
						51.0	16.25	38.45	-2.52	-0.80	-56.62	
3143.93												
3	30	696.40	110.76	-0.03	-28.31	0.0	-12.96	-57.60	4.75	0.90	-133.61	696.40
		-3197.43	-133.61	-9.03e-03	0.0	25.5	-12.96	-77.19	4.75	0.90	-11.43	-
1070.07												
						51.0	-12.96	-85.91	4.75	0.90	110.76	-
3197.43												
3	31	602.05	139.49	0.07	-28.31	0.0	16.99	-17.69	-4.85	-1.04	139.49	602.05
		-1157.45	-109.58	0.01	0.0	25.5	16.99	-37.28	-4.85	-1.04	14.95	-97.25
						51.0	16.99	-46.00	-4.85	-1.04	-109.58	-

1157.45												
3	32	643.60	57.79	-0.05	-28.31	0.0	-12.22	-142.05	2.43	0.66	-68.21	643.60
		-7498.82	-68.21	-0.01	0.0	25.5	-12.22	-161.64	2.43	0.66	-5.21	-
3247.16												
						51.0	-12.22	-170.35	2.43	0.66	57.79	-
7498.82												
3	33	3170.66	70.31	0.08	-28.31	0.0	21.70	67.28	-2.39	-0.78	70.31	654.73
		654.73	-53.56	0.02	0.0	25.5	21.70	47.69	-2.39	-0.78	8.37	
2093.14												
						51.0	21.70	38.97	-2.39	-0.78	-53.56	
3170.66												
3	34	696.27	113.81	-0.03	-28.31	0.0	-7.51	-57.08	4.89	0.91	-137.38	696.27
		-3170.70	-137.38	-9.03e-03	0.0	25.5	-7.51	-76.66	4.89	0.91	-11.79	-
1056.77												
						51.0	-7.51	-85.38	4.89	0.91	113.81	-
3170.70												
3	35	587.14	123.85	0.07	-28.31	0.0	21.25	-7.68	-4.29	-0.96	123.85	587.14
		-646.14	-96.95	0.01	0.0	25.5	21.25	-27.27	-4.29	-0.96	13.45	150.95
						51.0	21.25	-35.99	-4.29	-0.96	-96.95	-
646.14												
3	36	658.24	51.27	-0.05	-28.31	0.0	-5.59	-151.01	2.14	0.62	-60.11	658.24
		-7956.67	-60.11	-0.01	0.0	25.5	-5.59	-170.60	2.14	0.62	-4.42	-
3468.77												
						51.0	-5.59	-179.32	2.14	0.62	51.27	-
7956.67												
3	37	3628.52	62.22	0.08	-28.31	0.0	15.07	76.24	-2.10	-0.74	62.22	640.09
		640.09	-47.04	0.02	0.0	25.5	15.07	56.65	-2.10	-0.74	7.59	
2314.75												
						51.0	15.07	47.93	-2.10	-0.74	-47.04	
3628.52												
3	38	711.18	101.18	-0.03	-28.31	0.0	-11.77	-67.09	4.33	0.84	-121.75	711.18
		-3682.02	-121.75	-8.66e-03	0.0	25.5	-11.77	-86.67	4.33	0.84	-10.28	-
1304.97												
						51.0	-11.77	-95.39	4.33	0.84	101.18	-
3682.02												
3	39	587.28	127.63	0.07	-28.31	0.0	15.81	-8.21	-4.42	-0.98	127.63	587.28
		-672.87	-100.00	0.01	0.0	25.5	15.81	-27.80	-4.42	-0.98	13.81	137.65
						51.0	15.81	-36.51	-4.42	-0.98	-100.00	-
672.87												
3	40	658.37	48.21	-0.05	-28.31	0.0	-11.03	-151.53	2.01	0.60	-56.34	658.37
		-7983.40	-56.34	-0.01	0.0	25.5	-11.03	-171.12	2.01	0.60	-4.06	-
3482.07												
						51.0	-11.03	-179.84	2.01	0.60	48.21	-
7983.40												
3	41	3655.25	58.45	0.08	-28.31	0.0	20.51	76.76	-1.97	-0.72	58.45	639.95
		639.95	-43.98	0.02	0.0	25.5	20.51	57.18	-1.97	-0.72	7.23	
2328.05												
						51.0	20.51	48.46	-1.97	-0.72	-43.98	
3655.25												
3	42	711.05	104.23	-0.03	-28.31	0.0	-6.33	-66.56	4.46	0.85	-125.52	711.05
		-3655.29	-125.52	-8.66e-03	0.0	25.5	-6.33	-86.15	4.46	0.85	-10.64	-
1291.67												
						51.0	-6.33	-94.87	4.46	0.85	104.23	-
3655.29												
3	43	587.82	101.69	7.30e-03	-28.31	0.0	16.14	-133.57	-3.54	-0.54	101.69	587.82
		-7062.70	-79.35	-7.46e-04	0.0	25.5	16.14	-153.16	-3.54	-0.54	11.17	-
3056.99												
						51.0	16.14	-161.88	-3.54	-0.54	-79.35	-
7062.70												
3	44	596.40	56.73	-0.02	-28.31	0.0	9.44	-162.54	-1.97	-0.14	56.73	596.40
		-8539.90	-43.01	-6.79e-03	0.0	25.5	9.44	-182.13	-1.97	-0.14	6.86	-
3791.30												
						51.0	9.44	-190.85	-1.97	-0.14	-43.01	-
8539.90												
3	45	4211.74	47.24	0.05	-28.31	0.0	0.05	87.77	2.01	0.02	-54.62	701.92
		701.92	-54.62	9.73e-03	0.0	25.5	0.05	68.18	2.01	0.02	-3.69	
2637.28												
						51.0	0.05	59.46	2.01	0.02	47.24	
4211.74												
3	46	2734.54	83.58	0.02	-28.31	0.0	-6.66	58.80	3.58	0.42	-99.58	710.50
		710.50	-99.58	3.69e-03	0.0	25.5	-6.66	39.22	3.58	0.42	-8.00	
1902.97												

						51.0	-6.66	30.50	3.58	0.42	83.58	
2734.54												
3	47	585.03	99.09	7.28e-03	-28.31	0.0	15.85	-131.26	-3.45	-0.53	99.09	585.03
		-6944.62	-77.25	-8.42e-04	0.0	25.5	15.85	-150.85	-3.45	-0.53	10.92	-
2999.35												
						51.0	15.85	-159.57	-3.45	-0.53	-77.25	-
6944.62												
3	48	599.20	59.33	-0.02	-28.31	0.0	9.73	-164.85	-2.06	-0.16	59.33	599.20
		-8657.98	-45.11	-6.69e-03	0.0	25.5	9.73	-184.44	-2.06	-0.16	7.11	-
3848.94												
						51.0	9.73	-193.16	-2.06	-0.16	-45.11	-
8657.98												
3	49	4329.82	49.34	0.05	-28.31	0.0	-0.25	90.08	2.10	0.04	-57.22	699.13
		699.13	-57.22	9.63e-03	0.0	25.5	-0.25	70.49	2.10	0.04	-3.94	
2694.92												
						51.0	-0.25	61.77	2.10	0.04	49.34	
4329.82												
3	50	2616.46	81.48	0.02	-28.31	0.0	-6.37	56.49	3.49	0.41	-96.98	713.30
		713.30	-96.98	3.78e-03	0.0	25.5	-6.37	36.90	3.49	0.41	-7.75	
1845.33												
						51.0	-6.37	28.19	3.49	0.41	81.48	
2616.46												
3	51	587.97	111.05	6.11e-03	-28.31	0.0	2.04	-134.87	-3.87	-0.58	111.05	587.97
		-7128.84	-86.93	-7.47e-04	0.0	25.5	2.04	-154.45	-3.87	-0.58	12.06	-
3089.99												
						51.0	2.04	-163.17	-3.87	-0.58	-86.93	-
7128.84												
3	52	596.56	66.09	-0.02	-28.31	0.0	-4.67	-163.83	-2.30	-0.18	66.09	596.56
		-8606.05	-50.59	-6.79e-03	0.0	25.5	-4.67	-183.42	-2.30	-0.18	7.75	-
3824.30												
						51.0	-4.67	-192.14	-2.30	-0.18	-50.59	-
8606.05												
3	53	4277.89	54.82	0.05	-28.31	0.0	14.15	89.06	2.34	0.06	-63.99	701.77
		701.77	-63.99	9.73e-03	0.0	25.5	14.15	69.47	2.34	0.06	-4.58	
2670.28												
						51.0	14.15	60.76	2.34	0.06	54.82	
4277.89												
3	54	2800.69	91.16	0.03	-28.31	0.0	7.44	60.10	3.91	0.46	-108.94	710.35
		710.35	-108.94	3.69e-03	0.0	25.5	7.44	40.51	3.91	0.46	-8.89	
1935.97												
						51.0	7.44	31.79	3.91	0.46	91.16	
2800.69												
3	55	585.18	108.45	6.09e-03	-28.31	0.0	1.74	-132.56	-3.78	-0.57	108.45	585.18
		-7010.76	-84.84	-8.43e-04	0.0	25.5	1.74	-152.14	-3.78	-0.57	11.81	-
3032.34												
						51.0	1.74	-160.86	-3.78	-0.57	-84.84	-
7010.76												
3	56	599.35	68.69	-0.02	-28.31	0.0	-4.37	-166.14	-2.39	-0.20	68.69	599.35
		-8724.13	-52.69	-6.69e-03	0.0	25.5	-4.37	-185.73	-2.39	-0.20	8.00	-
3881.94												
						51.0	-4.37	-194.45	-2.39	-0.20	-52.69	-
8724.13												
3	57	4395.97	56.92	0.05	-28.31	0.0	13.85	91.37	2.43	0.07	-66.58	698.97
		698.97	-66.58	9.63e-03	0.0	25.5	13.85	71.78	2.43	0.07	-4.83	
2727.92												
						51.0	13.85	63.07	2.43	0.07	56.92	
4395.97												
3	58	2682.61	89.06	0.03	-28.31	0.0	7.74	57.78	3.82	0.45	-106.34	713.15
		713.15	-106.34	3.78e-03	0.0	25.5	7.74	38.20	3.82	0.45	-8.64	
1878.32												
						51.0	7.74	29.48	3.82	0.45	89.06	
2682.61												
3	59	617.74	99.43	0.06	-28.31	0.0	18.33	-22.31	-3.43	-0.81	99.43	617.74
		-1393.24	-77.45	9.97e-03	0.0	25.5	18.33	-41.90	-3.43	-0.81	10.99	-
207.30												
						51.0	18.33	-50.62	-3.43	-0.81	-77.45	-
1393.24												
3	60	646.35	43.70	-0.04	-28.31	0.0	-4.02	-118.86	1.81	0.52	-50.43	646.35
		-6317.25	-50.43	-0.01	0.0	25.5	-4.02	-138.45	1.81	0.52	-3.36	-
2655.00												
						51.0	-4.02	-147.17	1.81	0.52	43.70	-
6317.25												

3	61	1989.10	52.53	0.07	-28.31	0.0	13.50	44.09	-1.77	-0.64	52.53	651.97
		651.97	-39.47	0.01	0.0	25.5	13.50	24.50	-1.77	-0.64	6.53	
1500.98												
						51.0	13.50	15.79	-1.77	-0.64	-39.47	
1989.10												
3	62	680.58	81.67	-0.02	-28.31	0.0	-8.85	-52.46	3.48	0.69	-97.32	680.58
		-2934.92	-97.32	-7.03e-03	0.0	25.5	-8.85	-72.05	3.48	0.69	-7.82	-
946.72												
						51.0	-8.85	-80.77	3.48	0.69	81.67	-
2934.92												
3	63	617.79	102.23	0.06	-28.31	0.0	14.10	-22.70	-3.53	-0.82	102.23	617.79
		-1413.08	-79.72	9.97e-03	0.0	25.5	14.10	-42.29	-3.53	-0.82	11.26	-
217.20												
						51.0	14.10	-51.00	-3.53	-0.82	-79.72	-
1413.08												
3	64	646.40	41.42	-0.04	-28.31	0.0	-8.25	-119.25	1.71	0.51	-47.62	646.40
		-6337.10	-47.62	-0.01	0.0	25.5	-8.25	-138.84	1.71	0.51	-3.10	-
2664.90												
						51.0	-8.25	-147.56	1.71	0.51	41.42	-
6337.10												
3	65	2008.94	49.72	0.07	-28.31	0.0	17.73	44.48	-1.67	-0.63	49.72	651.93
		651.93	-37.19	0.01	0.0	25.5	17.73	24.89	-1.67	-0.63	6.26	
1510.88												
						51.0	17.73	16.17	-1.67	-0.63	-37.19	
2008.94												
3	66	680.54	83.95	-0.02	-28.31	0.0	-4.62	-52.07	3.58	0.70	-100.13	680.54
		-2915.08	-100.13	-7.03e-03	0.0	25.5	-4.62	-71.66	3.58	0.70	-8.09	-
936.82												
						51.0	-4.62	-80.38	3.58	0.70	83.95	-
2915.08												
3	67	608.43	90.77	0.06	-28.31	0.0	17.35	-14.61	-3.12	-0.77	90.77	608.43
		-999.64	-70.45	9.65e-03	0.0	25.5	17.35	-34.20	-3.12	-0.77	10.16	-15.16
						51.0	17.35	-42.91	-3.12	-0.77	-70.45	-
999.64												
3	68	655.67	36.70	-0.04	-28.31	0.0	-3.04	-126.57	1.50	0.47	-41.77	655.67
		-6710.85	-41.77	-9.85e-03	0.0	25.5	-3.04	-146.15	1.50	0.47	-2.53	-
2847.14												
						51.0	-3.04	-154.87	1.50	0.47	36.70	-
6710.85												
3	69	2382.69	43.88	0.07	-28.31	0.0	12.52	51.80	-1.46	-0.60	43.88	642.66
		642.66	-32.48	0.01	0.0	25.5	12.52	32.21	-1.46	-0.60	5.70	
1693.12												
						51.0	12.52	23.49	-1.46	-0.60	-32.48	
2382.69												
3	70	689.90	74.68	-0.02	-28.31	0.0	-7.87	-60.16	3.17	0.64	-88.67	689.90
		-3328.52	-88.67	-6.71e-03	0.0	25.5	-7.87	-79.75	3.17	0.64	-6.99	-
1138.86												
						51.0	-7.87	-88.47	3.17	0.64	74.68	-
3328.52												
3	71	608.47	93.58	0.06	-28.31	0.0	13.12	-15.00	-3.22	-0.78	93.58	608.47
		-1019.48	-72.73	9.65e-03	0.0	25.5	13.12	-34.58	-3.22	-0.78	10.43	-25.06
						51.0	13.12	-43.30	-3.22	-0.78	-72.73	-
1019.48												
3	72	655.72	34.43	-0.04	-28.31	0.0	-7.27	-126.95	1.40	0.46	-38.97	655.72
		-6730.69	-38.97	-9.85e-03	0.0	25.5	-7.27	-146.54	1.40	0.46	-2.27	-
2857.04												
						51.0	-7.27	-155.26	1.40	0.46	34.43	-
6730.69												
3	73	2402.54	41.07	0.07	-28.31	0.0	16.75	52.18	-1.36	-0.58	41.07	642.61
		642.61	-30.20	0.01	0.0	25.5	16.75	32.60	-1.36	-0.58	5.44	
1703.02												
						51.0	16.75	23.88	-1.36	-0.58	-30.20	
2402.54												
3	74	689.85	76.96	-0.02	-28.31	0.0	-3.64	-59.78	3.27	0.65	-91.47	689.85
		-3308.67	-91.47	-6.71e-03	0.0	25.5	-3.64	-79.36	3.27	0.65	-7.26	-
1128.96												
						51.0	-3.64	-88.08	3.27	0.65	76.96	-
3308.67												
3	75	598.06	84.66	8.76e-03	-28.31	0.0	14.20	-116.91	-2.94	-0.46	84.66	598.06
		-6214.19	-65.57	-3.62e-04	0.0	25.5	14.20	-136.50	-2.94	-0.46	9.55	-
2627.62												
						51.0	14.20	-145.22	-2.94	-0.46	-65.57	-

6214.19												
3	76	605.20	47.29	-0.01	-28.31	0.0	8.64	-140.89	-1.63	-0.13	47.29	605.20
		-7436.80	-35.36	-5.35e-03	0.0	25.5	8.64	-160.47	-1.63	-0.13	5.96	-
3235.35												
						51.0	8.64	-169.19	-1.63	-0.13	-35.36	-
7436.80												
3	77	3108.64	39.59	0.05	-28.31	0.0	0.84	66.12	1.67	8.54e-03	-45.18	693.13
		693.13	-45.18	8.29e-03	0.0	25.5	0.84	46.53	1.67	8.54e-03	-2.80	
2081.33												
						51.0	0.84	37.81	1.67	8.54e-03	39.59	
3108.64												
3	78	1886.03	69.80	0.02	-28.31	0.0	-4.72	42.14	2.98	0.34	-82.55	700.27
		700.27	-82.55	3.30e-03	0.0	25.5	-4.72	22.56	2.98	0.34	-6.38	
1473.60												
						51.0	-4.72	13.84	2.98	0.34	69.80	
1886.03												
3	79	595.73	82.50	8.75e-03	-28.31	0.0	13.96	-115.01	-2.86	-0.45	82.50	595.73
		-6116.79	-63.82	-4.41e-04	0.0	25.5	13.96	-134.60	-2.86	-0.45	9.34	-
2580.08												
						51.0	13.96	-143.31	-2.86	-0.45	-63.82	-
6116.79												
3	80	607.53	49.44	-0.01	-28.31	0.0	8.89	-142.79	-1.71	-0.14	49.44	607.53
		-7534.20	-37.10	-5.27e-03	0.0	25.5	8.89	-162.38	-1.71	-0.14	6.17	-
3282.89												
						51.0	8.89	-171.10	-1.71	-0.14	-37.10	-
7534.20												
3	81	3206.04	41.33	0.05	-28.31	0.0	0.59	68.02	1.75	0.02	-47.34	690.80
		690.80	-47.34	8.21e-03	0.0	25.5	0.59	48.43	1.75	0.02	-3.00	
2128.86												
						51.0	0.59	39.72	1.75	0.02	41.33	
3206.04												
3	82	1788.63	68.05	0.02	-28.31	0.0	-4.47	40.24	2.90	0.33	-80.40	702.60
		702.60	-80.40	3.38e-03	0.0	25.5	-4.47	20.65	2.90	0.33	-6.17	
1426.06												
						51.0	-4.47	11.93	2.90	0.33	68.05	
1788.63												
3	83	598.19	92.44	7.78e-03	-28.31	0.0	2.50	-117.98	-3.21	-0.49	92.44	598.19
		-6268.99	-71.87	-3.63e-04	0.0	25.5	2.50	-137.57	-3.21	-0.49	10.29	-
2654.95												
						51.0	2.50	-146.29	-3.21	-0.49	-71.87	-
6268.99												
3	84	605.33	55.06	-0.02	-28.31	0.0	-3.06	-141.96	-1.90	-0.16	55.06	605.33
		-7491.60	-41.66	-5.35e-03	0.0	25.5	-3.06	-161.55	-1.90	-0.16	6.70	-
3262.69												
						51.0	-3.06	-170.26	-1.90	-0.16	-41.66	-
7491.60												
3	85	3163.44	45.89	0.05	-28.31	0.0	12.54	67.19	1.95	0.04	-52.96	693.00
		693.00	-52.96	8.29e-03	0.0	25.5	12.54	47.60	1.95	0.04	-3.54	
2108.66												
						51.0	12.54	38.88	1.95	0.04	45.89	
3163.44												
3	86	1940.83	76.10	0.02	-28.31	0.0	6.99	43.21	3.25	0.37	-90.33	700.14
		700.14	-90.33	3.30e-03	0.0	25.5	6.99	23.63	3.25	0.37	-7.12	
1500.93												
						51.0	6.99	14.91	3.25	0.37	76.10	
1940.83												
3	87	595.86	90.28	7.77e-03	-28.31	0.0	2.25	-116.08	-3.14	-0.48	90.28	595.86
		-6171.59	-70.12	-4.42e-04	0.0	25.5	2.25	-135.67	-3.14	-0.48	10.08	-
2607.42												
						51.0	2.25	-144.38	-3.14	-0.48	-70.12	-
6171.59												
3	88	607.66	57.22	-0.02	-28.31	0.0	-2.82	-143.86	-1.98	-0.17	57.22	607.66
		-7588.99	-43.40	-5.27e-03	0.0	25.5	-2.82	-163.45	-1.98	-0.17	6.91	-
3310.22												
						51.0	-2.82	-172.17	-1.98	-0.17	-43.40	-
7588.99												
3	89	3260.84	47.63	0.05	-28.31	0.0	12.30	69.09	2.02	0.05	-55.11	690.67
		690.67	-55.11	8.21e-03	0.0	25.5	12.30	49.51	2.02	0.05	-3.74	
2156.20												
						51.0	12.30	40.79	2.02	0.05	47.63	
3260.84												
3	90	1843.43	74.35	0.02	-28.31	0.0	7.23	41.31	3.18	0.36	-88.18	702.47

		702.47	-88.18	3.38e-03	0.0	25.5	7.23	21.72	3.18	0.36	-6.91	1453.40
						51.0	7.23	13.00	3.18	0.36	74.35	1843.43
3	91	623.00	82.82	0.05	-28.31	0.0	16.00	-24.88	-2.85	-0.68	82.82	623.00
		-1524.82	-64.01	8.48e-03	0.0	25.5	16.00	-44.47	-2.85	-0.68	9.41	-270.46
						51.0	16.00	-53.19	-2.85	-0.68	-64.01	-1524.82
3	92	646.80	36.69	-0.03	-28.31	0.0	-2.51	-104.80	1.51	0.42	-41.76	646.80
		-5600.19	-41.76	-8.14e-03	0.0	25.5	-2.51	-124.38	1.51	0.42	-2.54	-2296.24
						51.0	-2.51	-133.10	1.51	0.42	36.69	-5600.19
3	93	1272.03	43.87	0.06	-28.31	0.0	12.00	30.02	-1.47	-0.54	43.87	651.52
		651.52	-32.46	0.01	0.0	25.5	12.00	10.44	-1.47	-0.54	5.71	1142.22
						51.0	12.00	1.72	-1.47	-0.54	-32.46	1272.03
3	94	675.32	68.24	-0.02	-28.31	0.0	-6.52	-49.89	2.89	0.56	-80.72	675.32
		-2803.34	-80.72	-5.54e-03	0.0	25.5	-6.52	-69.47	2.89	0.56	-6.24	-883.56
						51.0	-6.52	-78.19	2.89	0.56	68.24	-2803.34
3	95	623.04	85.16	0.05	-28.31	0.0	12.49	-25.21	-2.93	-0.69	85.16	623.04
		-1541.26	-65.90	8.48e-03	0.0	25.5	12.49	-44.79	-2.93	-0.69	9.63	-278.66
						51.0	12.49	-53.51	-2.93	-0.69	-65.90	-1541.26
3	96	646.84	34.80	-0.03	-28.31	0.0	-6.03	-105.12	1.43	0.41	-39.43	646.84
		-5616.63	-39.43	-8.14e-03	0.0	25.5	-6.03	-124.70	1.43	0.41	-2.32	-2304.44
						51.0	-6.03	-133.42	1.43	0.41	34.80	-5616.63
3	97	1288.47	41.54	0.06	-28.31	0.0	15.51	30.35	-1.39	-0.53	41.54	651.48
		651.48	-30.57	0.01	0.0	25.5	15.51	10.76	-1.39	-0.53	5.48	1150.42
						51.0	15.51	2.04	-1.39	-0.53	-30.57	1288.47
3	98	675.28	70.13	-0.02	-28.31	0.0	-3.01	-49.57	2.98	0.57	-83.05	675.28
		-2786.90	-83.05	-5.54e-03	0.0	25.5	-3.01	-69.15	2.98	0.57	-6.46	-875.36
						51.0	-3.01	-77.87	2.98	0.57	70.13	-2786.90
3	99	615.23	75.63	0.05	-28.31	0.0	15.19	-18.53	-2.59	-0.64	75.63	615.23
		-1200.16	-58.19	8.22e-03	0.0	25.5	15.19	-38.12	-2.59	-0.64	8.72	-112.01
						51.0	15.19	-46.84	-2.59	-0.64	-58.19	-1200.16
3	100	654.57	30.88	-0.03	-28.31	0.0	-1.70	-111.15	1.25	0.38	-34.57	654.57
		-5924.85	-34.57	-7.88e-03	0.0	25.5	-1.70	-130.74	1.25	0.38	-1.85	-2454.69
						51.0	-1.70	-139.46	1.25	0.38	30.88	-5924.85
3	101	1596.69	36.68	0.06	-28.31	0.0	11.19	36.38	-1.21	-0.50	36.68	643.76
		643.76	-26.65	0.01	0.0	25.5	11.19	16.79	-1.21	-0.50	5.02	1300.67
						51.0	11.19	8.07	-1.21	-0.50	-26.65	1596.69
3	102	683.09	62.42	-0.02	-28.31	0.0	-5.71	-56.24	2.63	0.52	-73.52	683.09
		-3128.00	-73.52	-5.28e-03	0.0	25.5	-5.71	-75.83	2.63	0.52	-5.55	-1042.01
						51.0	-5.71	-84.55	2.63	0.52	62.42	-3128.00
3	103	615.27	77.96	0.05	-28.31	0.0	11.68	-18.85	-2.68	-0.65	77.96	615.27
		-1216.59	-60.08	8.22e-03	0.0	25.5	11.68	-38.44	-2.68	-0.65	8.94	-120.21
						51.0	11.68	-47.16	-2.68	-0.65	-60.08	-1216.59
3	104	654.61	28.99	-0.03	-28.31	0.0	-5.21	-111.47	1.17	0.37	-32.24	654.61
		-5941.29	-32.24	-7.88e-03	0.0	25.5	-5.21	-131.06	1.17	0.37	-1.63	-2462.89

						51.0	-5.21	-139.78	1.17	0.37	28.99	-
5941.29												
3	105	1613.13	34.35	0.06	-28.31	0.0	14.70	36.70	-1.13	-0.49	34.35	643.72
		643.72	-24.76	0.01	0.0	25.5	14.70	17.11	-1.13	-0.49	4.79	
1308.87												
						51.0	14.70	8.39	-1.13	-0.49	-24.76	
1613.13												
3	106	683.05	64.31	-0.02	-28.31	0.0	-2.20	-55.92	2.72	0.53	-75.86	683.05
		-3111.56	-75.86	-5.28e-03	0.0	25.5	-2.20	-75.51	2.72	0.53	-5.77	-
1033.81												
						51.0	-2.20	-84.23	2.72	0.53	64.31	-
3111.56												
4	1	164.81	9.52	0.01	-11.77	0.0	0.97	5.89	0.13	-0.06	-4.50	0.0
		0.0	-4.50	-1.11e-04	0.0	56.0	0.97	0.0	0.13	-0.06	2.51	164.81
						112.0	0.97	-5.89	0.13	-0.06	9.52	0.0
4	2	164.81	26.00	0.07	-11.77	0.0	2.35	5.89	0.14	-0.37	10.74	0.0
		0.0	10.74	-1.96e-03	0.0	56.0	2.35	0.0	0.14	-0.37	18.37	164.81
						112.0	2.35	-5.89	0.14	-0.37	26.00	0.0
4	3	126.78	7.01	8.59e-03	-9.06	0.0	0.72	4.53	0.10	-0.04	-3.75	0.0
		0.0	-3.75	6.35e-05	0.0	56.0	0.72	0.0	0.10	-0.04	1.63	126.78
						112.0	0.72	-4.53	0.10	-0.04	7.01	0.0
4	4	126.78	23.49	0.07	-9.06	0.0	2.10	4.53	0.11	-0.35	11.49	0.0
		0.0	11.49	-1.91e-03	0.0	56.0	2.10	0.0	0.11	-0.35	17.49	126.78
						112.0	2.10	-4.53	0.11	-0.35	23.49	0.0
4	5	126.78	7.19	9.20e-03	-9.06	0.0	0.73	4.53	0.10	-0.04	-3.59	0.0
		0.0	-3.59	-7.04e-05	0.0	56.0	0.73	0.0	0.10	-0.04	1.80	126.78
						112.0	0.73	-4.53	0.10	-0.04	7.19	0.0
4	6	126.78	18.17	0.05	-9.06	0.0	1.66	4.53	0.10	-0.25	6.58	0.0
		0.0	6.58	-1.30e-03	0.0	56.0	1.66	0.0	0.10	-0.25	12.37	126.78
						112.0	1.66	-4.53	0.10	-0.25	18.17	0.0
4	7	126.78	7.19	9.20e-03	-9.06	0.0	0.73	4.53	0.10	-0.04	-3.59	0.0
		0.0	-3.59	-7.04e-05	0.0	56.0	0.73	0.0	0.10	-0.04	1.80	126.78
						112.0	0.73	-4.53	0.10	-0.04	7.19	0.0
4	8	126.78	14.88	0.04	-9.06	0.0	1.38	4.53	0.10	-0.19	3.53	0.0
		0.0	3.53	-9.31e-04	0.0	56.0	1.38	0.0	0.10	-0.19	9.20	126.78
						112.0	1.38	-4.53	0.10	-0.19	14.88	0.0
4	9	126.78	7.19	9.20e-03	-9.06	0.0	0.73	4.53	0.10	-0.04	-3.59	0.0
		0.0	-3.59	-7.04e-05	0.0	56.0	0.73	0.0	0.10	-0.04	1.80	126.78
						112.0	0.73	-4.53	0.10	-0.04	7.19	0.0
4	10	126.78	13.78	0.03	-9.06	0.0	1.29	4.53	0.10	-0.17	2.51	0.0
		0.0	2.51	-8.07e-04	0.0	56.0	1.29	0.0	0.10	-0.17	8.15	126.78
						112.0	1.29	-4.53	0.10	-0.17	13.78	0.0
4	11	126.78	140.54	0.02	-9.06	0.0	-6.58	4.53	2.28	-0.77	-119.24	0.0
		0.0	-119.24	-3.07e-03	0.0	56.0	-6.58	0.0	2.28	-0.77	10.65	126.78
						112.0	-6.58	-4.53	2.28	-0.77	140.54	0.0
4	12	126.78	34.66	-0.03	-9.06	0.0	-31.58	4.53	0.62	-0.98	-38.87	0.0
		0.0	-38.87	-5.59e-03	0.0	56.0	-31.58	0.0	0.62	-0.98	-2.11	126.78
						112.0	-31.58	-4.53	0.62	-0.98	34.66	0.0
4	13	126.78	43.89	0.09	-9.06	0.0	34.15	4.53	-0.42	0.65	43.89	0.0
		0.0	-7.10	4.28e-03	0.0	56.0	34.15	0.0	-0.42	0.65	18.40	126.78
						112.0	34.15	-4.53	-0.42	0.65	-7.10	0.0
4	14	126.78	124.26	0.04	-9.06	0.0	9.15	4.53	-2.08	0.43	124.26	0.0
		0.0	-112.98	1.50e-03	0.0	56.0	9.15	0.0	-2.08	0.43	5.64	126.78
						112.0	9.15	-4.53	-2.08	0.43	-112.98	0.0
4	15	126.78	138.12	0.02	-9.06	0.0	-7.47	4.53	2.25	-0.77	-118.31	0.0
		0.0	-118.31	-3.57e-03	0.0	56.0	-7.47	0.0	2.25	-0.77	9.91	126.78
						112.0	-7.47	-4.53	2.25	-0.77	138.12	0.0
4	16	126.78	37.07	-0.03	-9.06	0.0	-30.68	4.53	0.65	-0.98	-39.80	0.0
		0.0	-39.80	-4.94e-03	0.0	56.0	-30.68	0.0	0.65	-0.98	-1.36	126.78
						112.0	-30.68	-4.53	0.65	-0.98	37.07	0.0
4	17	126.78	44.82	0.09	-9.06	0.0	33.25	4.53	-0.45	0.64	44.82	0.0
		0.0	-9.51	3.64e-03	0.0	56.0	33.25	0.0	-0.45	0.64	17.65	126.78
						112.0	33.25	-4.53	-0.45	0.64	-9.51	0.0
4	18	126.78	123.33	0.05	-9.06	0.0	10.04	4.53	-2.05	0.44	123.33	0.0
		0.0	-110.56	2.04e-03	0.0	56.0	10.04	0.0	-2.05	0.44	6.38	126.78
						112.0	10.04	-4.53	-2.05	0.44	-110.56	0.0
4	19	126.78	143.76	0.02	-9.06	0.0	-7.53	4.53	2.30	-0.75	-119.05	0.0
		0.0	-119.05	-3.80e-03	0.0	56.0	-7.53	0.0	2.30	-0.75	12.35	126.78
						112.0	-7.53	-4.53	2.30	-0.75	143.76	0.0
4	20	126.78	37.88	-0.03	-9.06	0.0	-32.54	4.53	0.64	-0.96	-38.68	0.0
		0.0	-38.68	-6.42e-03	0.0	56.0	-32.54	0.0	0.64	-0.96	-0.40	126.78
						112.0	-32.54	-4.53	0.64	-0.96	37.88	0.0

4	21	126.78	43.70	0.09	-9.06	0.0	35.11	4.53	-0.44	0.63	43.70	0.0
		0.0	-10.32	5.12e-03	0.0	56.0	35.11	0.0	-0.44	0.63	16.69	126.78
						112.0	35.11	-4.53	-0.44	0.63	-10.32	0.0
4	22	126.78	124.07	0.05	-9.06	0.0	10.11	4.53	-2.10	0.41	124.07	0.0
		0.0	-116.20	2.27e-03	0.0	56.0	10.11	0.0	-2.10	0.41	3.94	126.78
						112.0	10.11	-4.53	-2.10	0.41	-116.20	0.0
4	23	126.78	141.34	0.02	-9.06	0.0	-8.43	4.53	2.27	-0.75	-118.12	0.0
		0.0	-118.12	-4.34e-03	0.0	56.0	-8.43	0.0	2.27	-0.75	11.61	126.78
						112.0	-8.43	-4.53	2.27	-0.75	141.34	0.0
4	24	126.78	40.29	-0.03	-9.06	0.0	-31.64	4.53	0.67	-0.96	-39.61	0.0
		0.0	-39.61	-5.77e-03	0.0	56.0	-31.64	0.0	0.67	-0.96	0.34	126.78
						112.0	-31.64	-4.53	0.67	-0.96	40.29	0.0
4	25	126.78	44.63	0.09	-9.06	0.0	34.21	4.53	-0.47	0.62	44.63	0.0
		0.0	-12.73	4.47e-03	0.0	56.0	34.21	0.0	-0.47	0.62	15.95	126.78
						112.0	34.21	-4.53	-0.47	0.62	-12.73	0.0
4	26	126.78	123.14	0.05	-9.06	0.0	11.00	4.53	-2.07	0.42	123.14	0.0
		0.0	-113.78	2.81e-03	0.0	56.0	11.00	0.0	-2.07	0.42	4.68	126.78
						112.0	11.00	-4.53	-2.07	0.42	-113.78	0.0
4	27	126.78	212.40	0.10	-9.06	0.0	36.85	4.53	3.27	-0.03	-155.91	0.0
		0.0	-155.91	3.56e-03	0.0	56.0	36.85	0.0	3.27	-0.03	28.24	126.78
						112.0	36.85	-4.53	3.27	-0.03	212.40	0.0
4	28	126.78	111.99	-0.06	-9.06	0.0	-46.50	4.53	-2.26	-0.73	111.99	0.0
		0.0	-140.55	-6.89e-03	0.0	56.0	-46.50	0.0	-2.26	-0.73	-14.28	126.78
						112.0	-46.50	-4.53	-2.26	-0.73	-140.55	0.0
4	29	126.78	168.11	0.12	-9.06	0.0	49.07	4.53	2.46	0.40	-106.97	0.0
		0.0	-106.97	5.58e-03	0.0	56.0	49.07	0.0	2.46	0.40	30.57	126.78
						112.0	49.07	-4.53	2.46	0.40	168.11	0.0
4	30	126.78	160.93	-0.03	-9.06	0.0	-34.28	4.53	-3.07	-0.31	160.93	0.0
		0.0	-184.84	-4.86e-03	0.0	56.0	-34.28	0.0	-3.07	-0.31	-11.95	126.78
						112.0	-34.28	-4.53	-3.07	-0.31	-184.84	0.0
4	31	126.78	213.36	0.10	-9.06	0.0	36.56	4.53	3.28	-0.02	-155.85	0.0
		0.0	-155.85	3.31e-03	0.0	56.0	36.56	0.0	3.28	-0.02	28.75	126.78
						112.0	36.56	-4.53	3.28	-0.02	213.36	0.0
4	32	126.78	112.05	-0.06	-9.06	0.0	-46.79	4.53	-2.25	-0.73	112.05	0.0
		0.0	-139.58	-7.14e-03	0.0	56.0	-46.79	0.0	-2.25	-0.73	-13.77	126.78
						112.0	-46.79	-4.53	-2.25	-0.73	-139.58	0.0
4	33	126.78	167.14	0.12	-9.06	0.0	49.36	4.53	2.46	0.39	-107.03	0.0
		0.0	-107.03	5.83e-03	0.0	56.0	49.36	0.0	2.46	0.39	30.06	126.78
						112.0	49.36	-4.53	2.46	0.39	167.14	0.0
4	34	126.78	160.87	-0.03	-9.06	0.0	-33.99	4.53	-3.08	-0.32	160.87	0.0
		0.0	-185.80	-4.62e-03	0.0	56.0	-33.99	0.0	-3.08	-0.32	-12.46	126.78
						112.0	-33.99	-4.53	-3.08	-0.32	-185.80	0.0
4	35	126.78	204.35	0.10	-9.06	0.0	33.86	4.53	3.17	-0.03	-152.81	0.0
		0.0	-152.81	1.41e-03	0.0	56.0	33.86	0.0	3.17	-0.03	25.77	126.78
						112.0	33.86	-4.53	3.17	-0.03	204.35	0.0
4	36	126.78	108.89	-0.05	-9.06	0.0	-43.51	4.53	-2.16	-0.73	108.89	0.0
		0.0	-132.50	-4.74e-03	0.0	56.0	-43.51	0.0	-2.16	-0.73	-11.80	126.78
						112.0	-43.51	-4.53	-2.16	-0.73	-132.50	0.0
4	37	126.78	160.06	0.12	-9.06	0.0	46.08	4.53	2.36	0.39	-103.87	0.0
		0.0	-103.87	3.44e-03	0.0	56.0	46.08	0.0	2.36	0.39	28.09	126.78
						112.0	46.08	-4.53	2.36	0.39	160.06	0.0
4	38	126.78	157.83	-0.03	-9.06	0.0	-31.29	4.53	-2.97	-0.30	157.83	0.0
		0.0	-176.79	-2.72e-03	0.0	56.0	-31.29	0.0	-2.97	-0.30	-9.48	126.78
						112.0	-31.29	-4.53	-2.97	-0.30	-176.79	0.0
4	39	126.78	205.31	0.10	-9.06	0.0	33.57	4.53	3.18	-0.02	-152.75	0.0
		0.0	-152.75	1.16e-03	0.0	56.0	33.57	0.0	3.18	-0.02	26.28	126.78
						112.0	33.57	-4.53	3.18	-0.02	205.31	0.0
4	40	126.78	108.95	-0.05	-9.06	0.0	-43.80	4.53	-2.15	-0.72	108.95	0.0
		0.0	-131.53	-4.99e-03	0.0	56.0	-43.80	0.0	-2.15	-0.72	-11.29	126.78
						112.0	-43.80	-4.53	-2.15	-0.72	-131.53	0.0
4	41	126.78	159.09	0.12	-9.06	0.0	46.37	4.53	2.36	0.39	-103.93	0.0
		0.0	-103.93	3.68e-03	0.0	56.0	46.37	0.0	2.36	0.39	27.58	126.78
						112.0	46.37	-4.53	2.36	0.39	159.09	0.0
4	42	126.78	157.77	-0.03	-9.06	0.0	-31.00	4.53	-2.98	-0.31	157.77	0.0
		0.0	-177.75	-2.47e-03	0.0	56.0	-31.00	0.0	-2.98	-0.31	-9.99	126.78
						112.0	-31.00	-4.53	-2.98	-0.31	-177.75	0.0
4	43	126.78	112.77	0.02	-9.06	0.0	-4.92	4.53	1.80	-0.64	-92.52	0.0
		0.0	-92.52	-2.47e-03	0.0	56.0	-4.92	0.0	1.80	-0.64	10.12	126.78
						112.0	-4.92	-4.53	1.80	-0.64	112.77	0.0
4	44	126.78	29.01	-0.01	-9.06	0.0	-24.74	4.53	0.49	-0.81	-28.93	0.0
		0.0	-28.93	-4.78e-03	0.0	56.0	-24.74	0.0	0.49	-0.81	0.04	126.78
						112.0	-24.74	-4.53	0.49	-0.81	29.01	0.0

4	45	126.78	33.95	0.08	-9.06	0.0	27.31	4.53	-0.29	0.47	33.95	0.0
		0.0	-1.45	3.48e-03	0.0	56.0	27.31	0.0	-0.29	0.47	16.25	126.78
						112.0	27.31	-4.53	-0.29	0.47	-1.45	0.0
4	46	126.78	97.54	0.04	-9.06	0.0	7.49	4.53	-1.60	0.31	97.54	0.0
		0.0	-85.21	8.99e-04	0.0	56.0	7.49	0.0	-1.60	0.31	6.17	126.78
						112.0	7.49	-4.53	-1.60	0.31	-85.21	0.0
4	47	126.78	110.85	0.02	-9.06	0.0	-5.64	4.53	1.78	-0.64	-91.77	0.0
		0.0	-91.77	-2.90e-03	0.0	56.0	-5.64	0.0	1.78	-0.64	9.54	126.78
						112.0	-5.64	-4.53	1.78	-0.64	110.85	0.0
4	48	126.78	30.93	-0.01	-9.06	0.0	-24.02	4.53	0.51	-0.81	-29.68	0.0
		0.0	-29.68	-4.22e-03	0.0	56.0	-24.02	0.0	0.51	-0.81	0.62	126.78
						112.0	-24.02	-4.53	0.51	-0.81	30.93	0.0
4	49	126.78	34.71	0.08	-9.06	0.0	26.60	4.53	-0.31	0.47	34.71	0.0
		0.0	-3.37	2.92e-03	0.0	56.0	26.60	0.0	-0.31	0.47	15.67	126.78
						112.0	26.60	-4.53	-0.31	0.47	-3.37	0.0
4	50	126.78	96.79	0.04	-9.06	0.0	8.21	4.53	-1.58	0.31	96.79	0.0
		0.0	-83.29	1.37e-03	0.0	56.0	8.21	0.0	-1.58	0.31	6.75	126.78
						112.0	8.21	-4.53	-1.58	0.31	-83.29	0.0
4	51	126.78	114.94	0.02	-9.06	0.0	-5.68	4.53	1.81	-0.63	-91.99	0.0
		0.0	-91.99	-3.05e-03	0.0	56.0	-5.68	0.0	1.81	-0.63	11.47	126.78
						112.0	-5.68	-4.53	1.81	-0.63	114.94	0.0
4	52	126.78	31.19	-0.02	-9.06	0.0	-25.49	4.53	0.50	-0.79	-28.40	0.0
		0.0	-28.40	-5.43e-03	0.0	56.0	-25.49	0.0	0.50	-0.79	1.39	126.78
						112.0	-25.49	-4.53	0.50	-0.79	31.19	0.0
4	53	126.78	33.42	0.08	-9.06	0.0	28.06	4.53	-0.30	0.46	33.42	0.0
		0.0	-3.63	4.13e-03	0.0	56.0	28.06	0.0	-0.30	0.46	14.90	126.78
						112.0	28.06	-4.53	-0.30	0.46	-3.63	0.0
4	54	126.78	97.01	0.04	-9.06	0.0	8.25	4.53	-1.61	0.29	97.01	0.0
		0.0	-87.38	1.50e-03	0.0	56.0	8.25	0.0	-1.61	0.29	4.82	126.78
						112.0	8.25	-4.53	-1.61	0.29	-87.38	0.0
4	55	126.78	113.02	0.02	-9.06	0.0	-6.39	4.53	1.79	-0.63	-91.24	0.0
		0.0	-91.24	-3.50e-03	0.0	56.0	-6.39	0.0	1.79	-0.63	10.89	126.78
						112.0	-6.39	-4.53	1.79	-0.63	113.02	0.0
4	56	126.78	33.11	-0.02	-9.06	0.0	-24.78	4.53	0.52	-0.79	-29.15	0.0
		0.0	-29.15	-4.87e-03	0.0	56.0	-24.78	0.0	0.52	-0.79	1.98	126.78
						112.0	-24.78	-4.53	0.52	-0.79	33.11	0.0
4	57	126.78	34.18	0.08	-9.06	0.0	27.35	4.53	-0.32	0.46	34.18	0.0
		0.0	-5.55	3.57e-03	0.0	56.0	27.35	0.0	-0.32	0.46	14.31	126.78
						112.0	27.35	-4.53	-0.32	0.46	-5.55	0.0
4	58	126.78	96.26	0.04	-9.06	0.0	8.96	4.53	-1.59	0.29	96.26	0.0
		0.0	-85.46	1.97e-03	0.0	56.0	8.96	0.0	-1.59	0.29	5.40	126.78
						112.0	8.96	-4.53	-1.59	0.29	-85.46	0.0
4	59	126.78	170.51	0.08	-9.06	0.0	29.47	4.53	2.60	-0.06	-122.45	0.0
		0.0	-122.45	3.26e-03	0.0	56.0	29.47	0.0	2.60	-0.06	24.03	126.78
						112.0	29.47	-4.53	2.60	-0.06	170.51	0.0
4	60	126.78	89.53	-0.04	-9.06	0.0	-36.57	4.53	-1.78	-0.61	89.53	0.0
		0.0	-108.68	-6.19e-03	0.0	56.0	-36.57	0.0	-1.78	-0.61	-9.57	126.78
						112.0	-36.57	-4.53	-1.78	-0.61	-108.68	0.0
4	61	126.78	136.24	0.10	-9.06	0.0	39.14	4.53	1.98	0.28	-84.51	0.0
		0.0	-84.51	4.89e-03	0.0	56.0	39.14	0.0	1.98	0.28	25.86	126.78
						112.0	39.14	-4.53	1.98	0.28	136.24	0.0
4	62	126.78	127.47	-0.02	-9.06	0.0	-26.90	4.53	-2.40	-0.28	127.47	0.0
		0.0	-142.95	-4.57e-03	0.0	56.0	-26.90	0.0	-2.40	-0.28	-7.74	126.78
						112.0	-26.90	-4.53	-2.40	-0.28	-142.95	0.0
4	63	126.78	171.16	0.08	-9.06	0.0	29.25	4.53	2.61	-0.05	-122.29	0.0
		0.0	-122.29	3.07e-03	0.0	56.0	29.25	0.0	2.61	-0.05	24.43	126.78
						112.0	29.25	-4.53	2.61	-0.05	171.16	0.0
4	64	126.78	89.69	-0.04	-9.06	0.0	-36.80	4.53	-1.77	-0.61	89.69	0.0
		0.0	-108.03	-6.39e-03	0.0	56.0	-36.80	0.0	-1.77	-0.61	-9.17	126.78
						112.0	-36.80	-4.53	-1.77	-0.61	-108.03	0.0
4	65	126.78	135.59	0.10	-9.06	0.0	39.37	4.53	1.97	0.27	-84.67	0.0
		0.0	-84.67	5.09e-03	0.0	56.0	39.37	0.0	1.97	0.27	25.46	126.78
						112.0	39.37	-4.53	1.97	0.27	135.59	0.0
4	66	126.78	127.32	-0.02	-9.06	0.0	-26.67	4.53	-2.41	-0.28	127.32	0.0
		0.0	-143.60	-4.37e-03	0.0	56.0	-26.67	0.0	-2.41	-0.28	-8.14	126.78
						112.0	-26.67	-4.53	-2.41	-0.28	-143.60	0.0
4	67	126.78	164.11	0.08	-9.06	0.0	27.10	4.53	2.52	-0.06	-119.93	0.0
		0.0	-119.93	1.40e-03	0.0	56.0	27.10	0.0	2.52	-0.06	22.09	126.78
						112.0	27.10	-4.53	2.52	-0.06	164.11	0.0
4	68	126.78	87.01	-0.04	-9.06	0.0	-34.20	4.53	-1.70	-0.61	87.01	0.0
		0.0	-102.28	-4.33e-03	0.0	56.0	-34.20	0.0	-1.70	-0.61	-7.64	126.78
						112.0	-34.20	-4.53	-1.70	-0.61	-102.28	0.0

4	69	126.78	129.84	0.10	-9.06	0.0	36.77	4.53	1.90	0.27	-81.99	0.0
		0.0	-81.99	3.03e-03	0.0	56.0	36.77	0.0	1.90	0.27	23.93	126.78
						112.0	36.77	-4.53	1.90	0.27	129.84	0.0
4	70	126.78	124.95	-0.02	-9.06	0.0	-24.53	4.53	-2.32	-0.27	124.95	0.0
		0.0	-136.55	-2.71e-03	0.0	56.0	-24.53	0.0	-2.32	-0.27	-5.80	126.78
						112.0	-24.53	-4.53	-2.32	-0.27	-136.55	0.0
4	71	126.78	164.76	0.08	-9.06	0.0	26.87	4.53	2.53	-0.06	-119.77	0.0
		0.0	-119.77	1.21e-03	0.0	56.0	26.87	0.0	2.53	-0.06	22.49	126.78
						112.0	26.87	-4.53	2.53	-0.06	164.76	0.0
4	72	126.78	87.17	-0.04	-9.06	0.0	-34.42	4.53	-1.69	-0.60	87.17	0.0
		0.0	-101.63	-4.53e-03	0.0	56.0	-34.42	0.0	-1.69	-0.60	-7.23	126.78
						112.0	-34.42	-4.53	-1.69	-0.60	-101.63	0.0
4	73	126.78	129.19	0.10	-9.06	0.0	36.99	4.53	1.89	0.27	-82.15	0.0
		0.0	-82.15	3.22e-03	0.0	56.0	36.99	0.0	1.89	0.27	23.52	126.78
						112.0	36.99	-4.53	1.89	0.27	129.19	0.0
4	74	126.78	124.79	-0.02	-9.06	0.0	-24.30	4.53	-2.33	-0.28	124.79	0.0
		0.0	-137.20	-2.51e-03	0.0	56.0	-24.30	0.0	-2.33	-0.28	-6.20	126.78
						112.0	-24.30	-4.53	-2.33	-0.28	-137.20	0.0
4	75	126.78	95.81	0.02	-9.06	0.0	-3.85	4.53	1.51	-0.56	-76.25	0.0
		0.0	-76.25	-2.19e-03	0.0	56.0	-3.85	0.0	1.51	-0.56	9.78	126.78
						112.0	-3.85	-4.53	1.51	-0.56	95.81	0.0
4	76	126.78	26.59	-6.69e-03	-9.06	0.0	-20.23	4.53	0.42	-0.70	-23.69	0.0
		0.0	-23.69	-4.04e-03	0.0	56.0	-20.23	0.0	0.42	-0.70	1.45	126.78
						112.0	-20.23	-4.53	0.42	-0.70	26.59	0.0
4	77	126.78	28.71	0.07	-9.06	0.0	22.80	4.53	-0.22	0.36	28.71	0.0
		0.0	0.97	2.74e-03	0.0	56.0	22.80	0.0	-0.22	0.36	14.84	126.78
						112.0	22.80	-4.53	-0.22	0.36	0.97	0.0
4	78	126.78	81.27	0.04	-9.06	0.0	6.42	4.53	-1.31	0.23	81.27	0.0
		0.0	-68.25	6.13e-04	0.0	56.0	6.42	0.0	-1.31	0.23	6.51	126.78
						112.0	6.42	-4.53	-1.31	0.23	-68.25	0.0
4	79	126.78	94.23	0.02	-9.06	0.0	-4.44	4.53	1.49	-0.56	-75.63	0.0
		0.0	-75.63	-2.54e-03	0.0	56.0	-4.44	0.0	1.49	-0.56	9.30	126.78
						112.0	-4.44	-4.53	1.49	-0.56	94.23	0.0
4	80	126.78	28.17	-6.18e-03	-9.06	0.0	-19.64	4.53	0.44	-0.70	-24.31	0.0
		0.0	-24.31	-3.59e-03	0.0	56.0	-19.64	0.0	0.44	-0.70	1.93	126.78
						112.0	-19.64	-4.53	0.44	-0.70	28.17	0.0
4	81	126.78	29.33	0.07	-9.06	0.0	22.21	4.53	-0.24	0.36	29.33	0.0
		0.0	-0.61	2.28e-03	0.0	56.0	22.21	0.0	-0.24	0.36	14.36	126.78
						112.0	22.21	-4.53	-0.24	0.36	-0.61	0.0
4	82	126.78	80.65	0.04	-9.06	0.0	7.01	4.53	-1.29	0.23	80.65	0.0
		0.0	-66.67	9.99e-04	0.0	56.0	7.01	0.0	-1.29	0.23	6.99	126.78
						112.0	7.01	-4.53	-1.29	0.23	-66.67	0.0
4	83	126.78	97.62	0.02	-9.06	0.0	-4.47	4.53	1.52	-0.55	-75.82	0.0
		0.0	-75.82	-2.66e-03	0.0	56.0	-4.47	0.0	1.52	-0.55	10.90	126.78
						112.0	-4.47	-4.53	1.52	-0.55	97.62	0.0
4	84	126.78	28.40	-7.92e-03	-9.06	0.0	-20.85	4.53	0.43	-0.68	-23.26	0.0
		0.0	-23.26	-4.59e-03	0.0	56.0	-20.85	0.0	0.43	-0.68	2.57	126.78
						112.0	-20.85	-4.53	0.43	-0.68	28.40	0.0
4	85	126.78	28.28	0.07	-9.06	0.0	23.42	4.53	-0.23	0.35	28.28	0.0
		0.0	-0.84	3.28e-03	0.0	56.0	23.42	0.0	-0.23	0.35	13.72	126.78
						112.0	23.42	-4.53	-0.23	0.35	-0.84	0.0
4	86	126.78	80.85	0.04	-9.06	0.0	7.05	4.53	-1.32	0.21	80.85	0.0
		0.0	-70.06	1.12e-03	0.0	56.0	7.05	0.0	-1.32	0.21	5.39	126.78
						112.0	7.05	-4.53	-1.32	0.21	-70.06	0.0
4	87	126.78	96.04	0.02	-9.06	0.0	-5.06	4.53	1.50	-0.55	-75.20	0.0
		0.0	-75.20	-3.03e-03	0.0	56.0	-5.06	0.0	1.50	-0.55	10.42	126.78
						112.0	-5.06	-4.53	1.50	-0.55	96.04	0.0
4	88	126.78	29.98	-7.41e-03	-9.06	0.0	-20.26	4.53	0.45	-0.68	-23.88	0.0
		0.0	-23.88	-4.13e-03	0.0	56.0	-20.26	0.0	0.45	-0.68	3.05	126.78
						112.0	-20.26	-4.53	0.45	-0.68	29.98	0.0
4	89	126.78	28.90	0.07	-9.06	0.0	22.83	4.53	-0.25	0.35	28.90	0.0
		0.0	-2.42	2.83e-03	0.0	56.0	22.83	0.0	-0.25	0.35	13.24	126.78
						112.0	22.83	-4.53	-0.25	0.35	-2.42	0.0
4	90	126.78	80.22	0.04	-9.06	0.0	7.63	4.53	-1.30	0.21	80.22	0.0
		0.0	-68.48	1.50e-03	0.0	56.0	7.63	0.0	-1.30	0.21	5.87	126.78
						112.0	7.63	-4.53	-1.30	0.21	-68.48	0.0
4	91	126.78	143.39	0.08	-9.06	0.0	24.58	4.53	2.17	-0.08	-100.84	0.0
		0.0	-100.84	2.55e-03	0.0	56.0	24.58	0.0	2.17	-0.08	21.27	126.78
						112.0	24.58	-4.53	2.17	-0.08	143.39	0.0
4	92	126.78	74.38	-0.03	-9.06	0.0	-30.00	4.53	-1.45	-0.53	74.38	0.0
		0.0	-87.37	-5.19e-03	0.0	56.0	-30.00	0.0	-1.45	-0.53	-6.50	126.78
						112.0	-30.00	-4.53	-1.45	-0.53	-87.37	0.0

4	93	126.78	114.93	0.09	-9.06	0.0	32.57	4.53	1.65	0.20	-69.36	0.0
		0.0	-69.36	3.89e-03	0.0	56.0	32.57	0.0	1.65	0.20	22.79	126.78
						112.0	32.57	-4.53	1.65	0.20	114.93	0.0
4	94	126.78	105.87	-0.01	-9.06	0.0	-22.01	4.53	-1.97	-0.26	105.87	0.0
		0.0	-115.83	-3.86e-03	0.0	56.0	-22.01	0.0	-1.97	-0.26	-4.98	126.78
						112.0	-22.01	-4.53	-1.97	-0.26	-115.83	0.0
4	95	126.78	143.93	0.07	-9.06	0.0	24.39	4.53	2.17	-0.07	-100.72	0.0
		0.0	-100.72	2.39e-03	0.0	56.0	24.39	0.0	2.17	-0.07	21.61	126.78
						112.0	24.39	-4.53	2.17	-0.07	143.93	0.0
4	96	126.78	74.51	-0.03	-9.06	0.0	-30.19	4.53	-1.45	-0.53	74.51	0.0
		0.0	-86.83	-5.36e-03	0.0	56.0	-30.19	0.0	-1.45	-0.53	-6.16	126.78
						112.0	-30.19	-4.53	-1.45	-0.53	-86.83	0.0
4	97	126.78	114.39	0.09	-9.06	0.0	32.76	4.53	1.65	0.20	-69.48	0.0
		0.0	-69.48	4.05e-03	0.0	56.0	32.76	0.0	1.65	0.20	22.45	126.78
						112.0	32.76	-4.53	1.65	0.20	114.39	0.0
4	98	126.78	105.74	-0.01	-9.06	0.0	-21.82	4.53	-1.97	-0.26	105.74	0.0
		0.0	-116.37	-3.69e-03	0.0	56.0	-21.82	0.0	-1.97	-0.26	-5.32	126.78
						112.0	-21.82	-4.53	-1.97	-0.26	-116.37	0.0
4	99	126.78	138.10	0.07	-9.06	0.0	22.62	4.53	2.10	-0.08	-98.76	0.0
		0.0	-98.76	1.02e-03	0.0	56.0	22.62	0.0	2.10	-0.08	19.67	126.78
						112.0	22.62	-4.53	2.10	-0.08	138.10	0.0
4	100	126.78	72.30	-0.02	-9.06	0.0	-28.04	4.53	-1.38	-0.53	72.30	0.0
		0.0	-82.09	-3.67e-03	0.0	56.0	-28.04	0.0	-1.38	-0.53	-4.90	126.78
						112.0	-28.04	-4.53	-1.38	-0.53	-82.09	0.0
4	101	126.78	109.65	0.09	-9.06	0.0	30.61	4.53	1.58	0.20	-67.27	0.0
		0.0	-67.27	2.36e-03	0.0	56.0	30.61	0.0	1.58	0.20	21.19	126.78
						112.0	30.61	-4.53	1.58	0.20	109.65	0.0
4	102	126.78	103.78	-9.92e-03	-9.06	0.0	-20.05	4.53	-1.90	-0.26	103.78	0.0
		0.0	-110.54	-2.33e-03	0.0	56.0	-20.05	0.0	-1.90	-0.26	-3.38	126.78
						112.0	-20.05	-4.53	-1.90	-0.26	-110.54	0.0
4	103	126.78	138.64	0.07	-9.06	0.0	22.43	4.53	2.11	-0.08	-98.63	0.0
		0.0	-98.63	8.61e-04	0.0	56.0	22.43	0.0	2.11	-0.08	20.00	126.78
						112.0	22.43	-4.53	2.11	-0.08	138.64	0.0
4	104	126.78	72.42	-0.02	-9.06	0.0	-28.23	4.53	-1.38	-0.53	72.42	0.0
		0.0	-81.54	-3.83e-03	0.0	56.0	-28.23	0.0	-1.38	-0.53	-4.56	126.78
						112.0	-28.23	-4.53	-1.38	-0.53	-81.54	0.0
4	105	126.78	109.10	0.09	-9.06	0.0	30.80	4.53	1.58	0.19	-67.40	0.0
		0.0	-67.40	2.53e-03	0.0	56.0	30.80	0.0	1.58	0.19	20.85	126.78
						112.0	30.80	-4.53	1.58	0.19	109.10	0.0
4	106	126.78	103.66	-9.55e-03	-9.06	0.0	-19.86	4.53	-1.91	-0.26	103.66	0.0
		0.0	-111.08	-2.16e-03	0.0	56.0	-19.86	0.0	-1.91	-0.26	-3.71	126.78
						112.0	-19.86	-4.53	-1.91	-0.26	-111.08	0.0
5	1	164.81	2.97	9.46e-03	-11.77	0.0	1.43	5.89	-0.04	0.15	2.97	0.0
		0.0	-1.67	1.83e-03	0.0	56.0	1.43	0.0	-0.04	0.15	0.65	164.81
						112.0	1.43	-5.89	-0.04	0.15	-1.67	0.0
5	2	164.81	23.85	0.05	-11.77	0.0	18.41	5.89	-0.35	0.77	23.85	0.0
		0.0	-14.95	6.98e-03	0.0	56.0	18.41	0.0	-0.35	0.77	4.45	164.81
						112.0	18.41	-5.89	-0.35	0.77	-14.95	0.0
5	3	126.78	1.89	6.45e-03	-9.06	0.0	0.78	4.53	-0.03	0.10	1.89	0.0
		0.0	-1.04	1.31e-03	0.0	56.0	0.78	0.0	-0.03	0.10	0.43	126.78
						112.0	0.78	-4.53	-0.03	0.10	-1.04	0.0
5	4	126.78	22.78	0.05	-9.06	0.0	17.76	4.53	-0.33	0.73	22.78	0.0
		0.0	-14.32	6.46e-03	0.0	56.0	17.76	0.0	-0.33	0.73	4.23	126.78
						112.0	17.76	-4.53	-0.33	0.73	-14.32	0.0
5	5	126.78	2.11	6.92e-03	-9.06	0.0	0.96	4.53	-0.03	0.11	2.11	0.0
		0.0	-1.18	1.36e-03	0.0	56.0	0.96	0.0	-0.03	0.11	0.47	126.78
						112.0	0.96	-4.53	-0.03	0.11	-1.18	0.0
5	6	126.78	16.04	0.04	-9.06	0.0	12.28	4.53	-0.23	0.53	16.04	0.0
		0.0	-10.03	4.80e-03	0.0	56.0	12.28	0.0	-0.23	0.53	3.00	126.78
						112.0	12.28	-4.53	-0.23	0.53	-10.03	0.0
5	7	126.78	2.11	6.92e-03	-9.06	0.0	0.96	4.53	-0.03	0.11	2.11	0.0
		0.0	-1.18	1.36e-03	0.0	56.0	0.96	0.0	-0.03	0.11	0.47	126.78
						112.0	0.96	-4.53	-0.03	0.11	-1.18	0.0
5	8	126.78	11.86	0.03	-9.06	0.0	8.89	4.53	-0.17	0.40	11.86	0.0
		0.0	-7.38	3.77e-03	0.0	56.0	8.89	0.0	-0.17	0.40	2.24	126.78
						112.0	8.89	-4.53	-0.17	0.40	-7.38	0.0
5	9	126.78	2.11	6.92e-03	-9.06	0.0	0.96	4.53	-0.03	0.11	2.11	0.0
		0.0	-1.18	1.36e-03	0.0	56.0	0.96	0.0	-0.03	0.11	0.47	126.78
						112.0	0.96	-4.53	-0.03	0.11	-1.18	0.0
5	10	126.78	10.47	0.02	-9.06	0.0	7.75	4.53	-0.15	0.36	10.47	0.0
		0.0	-6.49	3.42e-03	0.0	56.0	7.75	0.0	-0.15	0.36	1.99	126.78
						112.0	7.75	-4.53	-0.15	0.36	-6.49	0.0

5	11	126.78	2.73	0.02	-9.06	0.0	8.96	4.53	-9.67e-03	0.30	2.73	0.0
		0.0	-7.27	-3.51e-03	0.0	56.0	8.96	0.0	-9.67e-03	0.30	-2.27	126.78
						112.0	8.96	-4.53	-9.67e-03	0.30	-7.27	0.0
5	12	126.78	9.43	-0.03	-9.06	0.0	44.59	4.53	-0.14	0.06	9.43	0.0
		0.0	-14.77	-0.02	0.0	56.0	44.59	0.0	-0.14	0.06	-2.67	126.78
						112.0	44.59	-4.53	-0.14	0.06	-14.77	0.0
5	13	126.78	11.50	0.07	-9.06	0.0	-29.09	4.53	-0.17	0.66	11.50	0.0
		0.0	1.79	0.02	0.0	56.0	-29.09	0.0	-0.17	0.66	6.65	126.78
						112.0	-29.09	-4.53	-0.17	0.66	1.79	0.0
5	14	126.78	18.21	0.03	-9.06	0.0	6.55	4.53	-0.29	0.42	18.21	0.0
		0.0	-5.71	0.01	0.0	56.0	6.55	0.0	-0.29	0.42	6.25	126.78
						112.0	6.55	-4.53	-0.29	0.42	-5.71	0.0
5	15	126.78	2.89	0.02	-9.06	0.0	9.77	4.53	-0.01	0.30	2.89	0.0
		0.0	-7.42	-3.68e-03	0.0	56.0	9.77	0.0	-0.01	0.30	-2.27	126.78
						112.0	9.77	-4.53	-0.01	0.30	-7.42	0.0
5	16	126.78	9.26	-0.02	-9.06	0.0	43.78	4.53	-0.13	0.06	9.26	0.0
		0.0	-14.62	-0.02	0.0	56.0	43.78	0.0	-0.13	0.06	-2.68	126.78
						112.0	43.78	-4.53	-0.13	0.06	-14.62	0.0
5	17	126.78	11.67	0.07	-9.06	0.0	-28.27	4.53	-0.17	0.66	11.67	0.0
		0.0	1.64	0.02	0.0	56.0	-28.27	0.0	-0.17	0.66	6.65	126.78
						112.0	-28.27	-4.53	-0.17	0.66	1.64	0.0
5	18	126.78	18.04	0.03	-9.06	0.0	5.74	4.53	-0.29	0.42	18.04	0.0
		0.0	-5.56	0.01	0.0	56.0	5.74	0.0	-0.29	0.42	6.24	126.78
						112.0	5.74	-4.53	-0.29	0.42	-5.56	0.0
5	19	126.78	2.47	0.01	-9.06	0.0	10.00	4.53	-4.98e-03	0.31	2.47	0.0
		0.0	2.03	-4.42e-03	0.0	56.0	10.00	0.0	-4.98e-03	0.31	2.25	126.78
						112.0	10.00	-4.53	-4.98e-03	0.31	2.03	0.0
5	20	126.78	9.18	-0.03	-9.06	0.0	45.64	4.53	-0.13	0.07	9.18	0.0
		0.0	-5.47	-0.02	0.0	56.0	45.64	0.0	-0.13	0.07	1.85	126.78
						112.0	45.64	-4.53	-0.13	0.07	-5.47	0.0
5	21	126.78	11.76	0.08	-9.06	0.0	-30.14	4.53	-0.17	0.65	11.76	0.0
		0.0	-7.51	0.03	0.0	56.0	-30.14	0.0	-0.17	0.65	2.12	126.78
						112.0	-30.14	-4.53	-0.17	0.65	-7.51	0.0
5	22	126.78	18.46	0.03	-9.06	0.0	5.50	4.53	-0.30	0.41	18.46	0.0
		0.0	-15.01	0.01	0.0	56.0	5.50	0.0	-0.30	0.41	1.73	126.78
						112.0	5.50	-4.53	-0.30	0.41	-15.01	0.0
5	23	126.78	2.64	0.01	-9.06	0.0	10.82	4.53	-7.79e-03	0.31	2.64	0.0
		0.0	1.88	-4.60e-03	0.0	56.0	10.82	0.0	-7.79e-03	0.31	2.26	126.78
						112.0	10.82	-4.53	-7.79e-03	0.31	1.88	0.0
5	24	126.78	9.01	-0.03	-9.06	0.0	44.83	4.53	-0.13	0.07	9.01	0.0
		0.0	-5.32	-0.02	0.0	56.0	44.83	0.0	-0.13	0.07	1.85	126.78
						112.0	44.83	-4.53	-0.13	0.07	-5.32	0.0
5	25	126.78	11.92	0.08	-9.06	0.0	-29.32	4.53	-0.17	0.64	11.92	0.0
		0.0	-7.66	0.03	0.0	56.0	-29.32	0.0	-0.17	0.64	2.13	126.78
						112.0	-29.32	-4.53	-0.17	0.64	-7.66	0.0
5	26	126.78	18.29	0.03	-9.06	0.0	4.69	4.53	-0.29	0.41	18.29	0.0
		0.0	-14.86	0.01	0.0	56.0	4.69	0.0	-0.29	0.41	1.72	126.78
						112.0	4.69	-4.53	-0.29	0.41	-14.86	0.0
5	27	126.78	4.65	0.09	-9.06	0.0	-45.94	4.53	0.08	0.70	-2.02	0.0
		0.0	-2.02	0.02	0.0	56.0	-45.94	0.0	0.08	0.70	1.31	126.78
						112.0	-45.94	-4.53	0.08	0.70	4.65	0.0
5	28	126.78	20.32	-0.06	-9.06	0.0	72.86	4.53	-0.34	-0.09	20.32	0.0
		0.0	-20.35	-0.02	0.0	56.0	72.86	0.0	-0.34	-0.09	-0.01	126.78
						112.0	72.86	-4.53	-0.34	-0.09	-20.35	0.0
5	29	126.78	7.37	0.10	-9.06	0.0	-57.35	4.53	0.04	0.81	0.61	0.0
		0.0	0.61	0.03	0.0	56.0	-57.35	0.0	0.04	0.81	3.99	126.78
						112.0	-57.35	-4.53	0.04	0.81	7.37	0.0
5	30	126.78	22.96	-0.04	-9.06	0.0	61.45	4.53	-0.39	0.02	22.96	0.0
		0.0	-17.63	-0.02	0.0	56.0	61.45	0.0	-0.39	0.02	2.66	126.78
						112.0	61.45	-4.53	-0.39	0.02	-17.63	0.0
5	31	126.78	7.44	0.09	-9.06	0.0	-45.62	4.53	0.08	0.70	-2.10	0.0
		0.0	-2.10	0.02	0.0	56.0	-45.62	0.0	0.08	0.70	2.67	126.78
						112.0	-45.62	-4.53	0.08	0.70	7.44	0.0
5	32	126.78	20.25	-0.06	-9.06	0.0	73.17	4.53	-0.34	-0.08	20.25	0.0
		0.0	-17.56	-0.02	0.0	56.0	73.17	0.0	-0.34	-0.08	1.35	126.78
						112.0	73.17	-4.53	-0.34	-0.08	-17.56	0.0
5	33	126.78	4.58	0.11	-9.06	0.0	-57.67	4.53	0.03	0.80	0.68	0.0
		0.0	0.68	0.03	0.0	56.0	-57.67	0.0	0.03	0.80	2.63	126.78
						112.0	-57.67	-4.53	0.03	0.80	4.58	0.0
5	34	126.78	23.03	-0.04	-9.06	0.0	61.13	4.53	-0.39	0.02	23.03	0.0
		0.0	-20.42	-0.02	0.0	56.0	61.13	0.0	-0.39	0.02	1.31	126.78
						112.0	61.13	-4.53	-0.39	0.02	-20.42	0.0

5	35	126.78	4.14	0.09	-9.06	0.0	-43.23	4.53	0.07	0.70	-1.47	0.0
		0.0	-1.47	0.02	0.0	56.0	-43.23	0.0	0.07	0.70	1.34	126.78
						112.0	-43.23	-4.53	0.07	0.70	4.14	0.0
5	36	126.78	19.77	-0.06	-9.06	0.0	70.15	4.53	-0.33	-0.09	19.77	0.0
		0.0	-19.84	-0.02	0.0	56.0	70.15	0.0	-0.33	-0.09	-0.03	126.78
						112.0	70.15	-4.53	-0.33	-0.09	-19.84	0.0
5	37	126.78	6.86	0.10	-9.06	0.0	-54.64	4.53	0.03	0.80	1.17	0.0
		0.0	1.17	0.03	0.0	56.0	-54.64	0.0	0.03	0.80	4.01	126.78
						112.0	-54.64	-4.53	0.03	0.80	6.86	0.0
5	38	126.78	22.40	-0.04	-9.06	0.0	58.74	4.53	-0.38	0.02	22.40	0.0
		0.0	-17.12	-0.02	0.0	56.0	58.74	0.0	-0.38	0.02	2.64	126.78
						112.0	58.74	-4.53	-0.38	0.02	-17.12	0.0
5	39	126.78	6.93	0.09	-9.06	0.0	-42.91	4.53	0.08	0.70	-1.54	0.0
		0.0	-1.54	0.02	0.0	56.0	-42.91	0.0	0.08	0.70	2.69	126.78
						112.0	-42.91	-4.53	0.08	0.70	6.93	0.0
5	40	126.78	19.69	-0.06	-9.06	0.0	70.46	4.53	-0.33	-0.08	19.69	0.0
		0.0	-17.05	-0.02	0.0	56.0	70.46	0.0	-0.33	-0.08	1.32	126.78
						112.0	70.46	-4.53	-0.33	-0.08	-17.05	0.0
5	41	126.78	4.07	0.11	-9.06	0.0	-54.96	4.53	0.03	0.80	1.24	0.0
		0.0	1.24	0.03	0.0	56.0	-54.96	0.0	0.03	0.80	2.65	126.78
						112.0	-54.96	-4.53	0.03	0.80	4.07	0.0
5	42	126.78	22.47	-0.04	-9.06	0.0	58.42	4.53	-0.38	0.02	22.47	0.0
		0.0	-19.91	-0.02	0.0	56.0	58.42	0.0	-0.38	0.02	1.28	126.78
						112.0	58.42	-4.53	-0.38	0.02	-19.91	0.0
5	43	126.78	4.43	0.02	-9.06	0.0	8.71	4.53	-0.04	0.31	4.43	0.0
		0.0	-7.08	-1.89e-03	0.0	56.0	8.71	0.0	-0.04	0.31	-1.33	126.78
						112.0	8.71	-4.53	-0.04	0.31	-7.08	0.0
5	44	126.78	9.72	-0.01	-9.06	0.0	36.93	4.53	-0.14	0.13	9.72	0.0
		0.0	-13.01	-0.01	0.0	56.0	36.93	0.0	-0.14	0.13	-1.64	126.78
						112.0	36.93	-4.53	-0.14	0.13	-13.01	0.0
5	45	126.78	11.21	0.06	-9.06	0.0	-21.42	4.53	-0.16	0.59	11.21	0.0
		0.0	0.03	0.02	0.0	56.0	-21.42	0.0	-0.16	0.59	5.62	126.78
						112.0	-21.42	-4.53	-0.16	0.59	0.03	0.0
5	46	126.78	16.51	0.03	-9.06	0.0	6.80	4.53	-0.26	0.41	16.51	0.0
		0.0	-5.90	8.74e-03	0.0	56.0	6.80	0.0	-0.26	0.41	5.30	126.78
						112.0	6.80	-4.53	-0.26	0.41	-5.90	0.0
5	47	126.78	4.56	0.02	-9.06	0.0	9.35	4.53	-0.04	0.31	4.56	0.0
		0.0	-7.20	-2.05e-03	0.0	56.0	9.35	0.0	-0.04	0.31	-1.32	126.78
						112.0	9.35	-4.53	-0.04	0.31	-7.20	0.0
5	48	126.78	9.59	-0.01	-9.06	0.0	36.29	4.53	-0.14	0.13	9.59	0.0
		0.0	-12.89	-0.01	0.0	56.0	36.29	0.0	-0.14	0.13	-1.65	126.78
						112.0	36.29	-4.53	-0.14	0.13	-12.89	0.0
5	49	126.78	11.34	0.06	-9.06	0.0	-20.78	4.53	-0.16	0.59	11.34	0.0
		0.0	-0.09	0.02	0.0	56.0	-20.78	0.0	-0.16	0.59	5.63	126.78
						112.0	-20.78	-4.53	-0.16	0.59	-0.09	0.0
5	50	126.78	16.37	0.03	-9.06	0.0	6.16	4.53	-0.26	0.41	16.37	0.0
		0.0	-5.78	8.90e-03	0.0	56.0	6.16	0.0	-0.26	0.41	5.30	126.78
						112.0	6.16	-4.53	-0.26	0.41	-5.78	0.0
5	51	126.78	4.25	0.02	-9.06	0.0	9.54	4.53	-0.04	0.32	4.25	0.0
		0.0	0.20	-2.60e-03	0.0	56.0	9.54	0.0	-0.04	0.32	2.23	126.78
						112.0	9.54	-4.53	-0.04	0.32	0.20	0.0
5	52	126.78	9.55	-0.02	-9.06	0.0	37.75	4.53	-0.14	0.14	9.55	0.0
		0.0	-5.73	-0.01	0.0	56.0	37.75	0.0	-0.14	0.14	1.91	126.78
						112.0	37.75	-4.53	-0.14	0.14	-5.73	0.0
5	53	126.78	11.39	0.07	-9.06	0.0	-22.24	4.53	-0.17	0.58	11.39	0.0
		0.0	-7.25	0.02	0.0	56.0	-22.24	0.0	-0.17	0.58	2.07	126.78
						112.0	-22.24	-4.53	-0.17	0.58	-7.25	0.0
5	54	126.78	16.68	0.03	-9.06	0.0	5.97	4.53	-0.27	0.40	16.68	0.0
		0.0	-13.18	9.45e-03	0.0	56.0	5.97	0.0	-0.27	0.40	1.75	126.78
						112.0	5.97	-4.53	-0.27	0.40	-13.18	0.0
5	55	126.78	4.38	0.02	-9.06	0.0	10.18	4.53	-0.04	0.32	4.38	0.0
		0.0	0.08	-2.77e-03	0.0	56.0	10.18	0.0	-0.04	0.32	2.23	126.78
						112.0	10.18	-4.53	-0.04	0.32	0.08	0.0
5	56	126.78	9.41	-0.02	-9.06	0.0	37.11	4.53	-0.13	0.14	9.41	0.0
		0.0	-5.60	-0.01	0.0	56.0	37.11	0.0	-0.13	0.14	1.90	126.78
						112.0	37.11	-4.53	-0.13	0.14	-5.60	0.0
5	57	126.78	11.52	0.07	-9.06	0.0	-21.60	4.53	-0.17	0.58	11.52	0.0
		0.0	-7.38	0.02	0.0	56.0	-21.60	0.0	-0.17	0.58	2.07	126.78
						112.0	-21.60	-4.53	-0.17	0.58	-7.38	0.0
5	58	126.78	16.55	0.03	-9.06	0.0	5.33	4.53	-0.26	0.40	16.55	0.0
		0.0	-13.06	9.61e-03	0.0	56.0	5.33	0.0	-0.26	0.40	1.74	126.78
						112.0	5.33	-4.53	-0.26	0.40	-13.06	0.0

5	59	126.78	2.33	0.07	-9.06	0.0	-34.75	4.53	0.03	0.62	0.62	0.0
		0.0	0.62	0.02	0.0	56.0	-34.75	0.0	0.03	0.62	1.47	126.78
						112.0	-34.75	-4.53	0.03	0.62	2.33	0.0
5	60	126.78	18.28	-0.04	-9.06	0.0	59.30	4.53	-0.30	0.02	18.28	0.0
		0.0	-17.44	-0.02	0.0	56.0	59.30	0.0	-0.30	0.02	0.42	126.78
						112.0	59.30	-4.53	-0.30	0.02	-17.44	0.0
5	61	126.78	4.46	0.09	-9.06	0.0	-43.79	4.53	-3.01e-03	0.70	2.65	0.0
		0.0	2.65	0.03	0.0	56.0	-43.79	0.0	-3.01e-03	0.70	3.56	126.78
						112.0	-43.79	-4.53	-3.01e-03	0.70	4.46	0.0
5	62	126.78	20.31	-0.03	-9.06	0.0	50.26	4.53	-0.34	0.10	20.31	0.0
		0.0	-15.31	-0.01	0.0	56.0	50.26	0.0	-0.34	0.10	2.50	126.78
						112.0	50.26	-4.53	-0.34	0.10	-15.31	0.0
5	63	126.78	4.51	0.07	-9.06	0.0	-34.50	4.53	0.03	0.62	0.57	0.0
		0.0	0.57	0.02	0.0	56.0	-34.50	0.0	0.03	0.62	2.54	126.78
						112.0	-34.50	-4.53	0.03	0.62	4.51	0.0
5	64	126.78	18.23	-0.04	-9.06	0.0	59.54	4.53	-0.30	0.02	18.23	0.0
		0.0	-15.25	-0.02	0.0	56.0	59.54	0.0	-0.30	0.02	1.49	126.78
						112.0	59.54	-4.53	-0.30	0.02	-15.25	0.0
5	65	126.78	2.71	0.09	-9.06	0.0	-44.03	4.53	-4.01e-03	0.70	2.71	0.0
		0.0	2.28	0.03	0.0	56.0	-44.03	0.0	-4.01e-03	0.70	2.49	126.78
						112.0	-44.03	-4.53	-4.01e-03	0.70	2.28	0.0
5	66	126.78	20.37	-0.02	-9.06	0.0	50.01	4.53	-0.34	0.10	20.37	0.0
		0.0	-17.49	-0.01	0.0	56.0	50.01	0.0	-0.34	0.10	1.44	126.78
						112.0	50.01	-4.53	-0.34	0.10	-17.49	0.0
5	67	126.78	1.92	0.07	-9.06	0.0	-32.61	4.53	0.03	0.62	1.06	0.0
		0.0	1.06	0.02	0.0	56.0	-32.61	0.0	0.03	0.62	1.49	126.78
						112.0	-32.61	-4.53	0.03	0.62	1.92	0.0
5	68	126.78	17.83	-0.04	-9.06	0.0	57.16	4.53	-0.29	0.02	17.83	0.0
		0.0	-17.03	-0.02	0.0	56.0	57.16	0.0	-0.29	0.02	0.40	126.78
						112.0	57.16	-4.53	-0.29	0.02	-17.03	0.0
5	69	126.78	4.05	0.09	-9.06	0.0	-41.65	4.53	-0.01	0.70	3.10	0.0
		0.0	3.10	0.03	0.0	56.0	-41.65	0.0	-0.01	0.70	3.58	126.78
						112.0	-41.65	-4.53	-0.01	0.70	4.05	0.0
5	70	126.78	19.87	-0.03	-9.06	0.0	48.12	4.53	-0.33	0.10	19.87	0.0
		0.0	-14.90	-0.01	0.0	56.0	48.12	0.0	-0.33	0.10	2.48	126.78
						112.0	48.12	-4.53	-0.33	0.10	-14.90	0.0
5	71	126.78	4.11	0.07	-9.06	0.0	-32.37	4.53	0.03	0.62	1.01	0.0
		0.0	1.01	0.02	0.0	56.0	-32.37	0.0	0.03	0.62	2.56	126.78
						112.0	-32.37	-4.53	0.03	0.62	4.11	0.0
5	72	126.78	17.78	-0.04	-9.06	0.0	57.41	4.53	-0.29	0.02	17.78	0.0
		0.0	-14.85	-0.02	0.0	56.0	57.41	0.0	-0.29	0.02	1.47	126.78
						112.0	57.41	-4.53	-0.29	0.02	-14.85	0.0
5	73	126.78	3.15	0.09	-9.06	0.0	-41.90	4.53	-0.01	0.70	3.15	0.0
		0.0	1.87	0.03	0.0	56.0	-41.90	0.0	-0.01	0.70	2.51	126.78
						112.0	-41.90	-4.53	-0.01	0.70	1.87	0.0
5	74	126.78	19.92	-0.02	-9.06	0.0	47.88	4.53	-0.33	0.10	19.92	0.0
		0.0	-17.08	-0.01	0.0	56.0	47.88	0.0	-0.33	0.10	1.42	126.78
						112.0	47.88	-4.53	-0.33	0.10	-17.08	0.0
5	75	126.78	5.47	0.02	-9.06	0.0	8.55	4.53	-0.06	0.32	5.47	0.0
		0.0	-6.98	-9.73e-04	0.0	56.0	8.55	0.0	-0.06	0.32	-0.76	126.78
						112.0	8.55	-4.53	-0.06	0.32	-6.98	0.0
5	76	126.78	9.85	-7.79e-03	-9.06	0.0	31.86	4.53	-0.14	0.17	9.85	0.0
		0.0	-11.88	-0.01	0.0	56.0	31.86	0.0	-0.14	0.17	-1.02	126.78
						112.0	31.86	-4.53	-0.14	0.17	-11.88	0.0
5	77	126.78	11.08	0.06	-9.06	0.0	-16.36	4.53	-0.16	0.55	11.08	0.0
		0.0	-1.10	0.02	0.0	56.0	-16.36	0.0	-0.16	0.55	4.99	126.78
						112.0	-16.36	-4.53	-0.16	0.55	-1.10	0.0
5	78	126.78	15.46	0.03	-9.06	0.0	6.96	4.53	-0.24	0.40	15.46	0.0
		0.0	-6.00	7.82e-03	0.0	56.0	6.96	0.0	-0.24	0.40	4.73	126.78
						112.0	6.96	-4.53	-0.24	0.40	-6.00	0.0
5	79	126.78	5.58	0.02	-9.06	0.0	9.08	4.53	-0.06	0.32	5.58	0.0
		0.0	-7.08	-1.11e-03	0.0	56.0	9.08	0.0	-0.06	0.32	-0.75	126.78
						112.0	9.08	-4.53	-0.06	0.32	-7.08	0.0
5	80	126.78	9.74	-7.69e-03	-9.06	0.0	31.33	4.53	-0.14	0.17	9.74	0.0
		0.0	-11.78	-0.01	0.0	56.0	31.33	0.0	-0.14	0.17	-1.02	126.78
						112.0	31.33	-4.53	-0.14	0.17	-11.78	0.0
5	81	126.78	11.19	0.06	-9.06	0.0	-15.83	4.53	-0.16	0.55	11.19	0.0
		0.0	-1.20	0.02	0.0	56.0	-15.83	0.0	-0.16	0.55	5.00	126.78
						112.0	-15.83	-4.53	-0.16	0.55	-1.20	0.0
5	82	126.78	15.35	0.03	-9.06	0.0	6.43	4.53	-0.24	0.40	15.35	0.0
		0.0	-5.90	7.95e-03	0.0	56.0	6.43	0.0	-0.24	0.40	4.73	126.78
						112.0	6.43	-4.53	-0.24	0.40	-5.90	0.0

5	83	126.78	5.32	0.02	-9.06	0.0	9.23	4.53	-0.06	0.33	5.32	0.0
		0.0	-0.95	-1.56e-03	0.0	56.0	9.23	0.0	-0.06	0.33	2.18	126.78
						112.0	9.23	-4.53	-0.06	0.33	-0.95	0.0
5	84	126.78	9.70	-9.82e-03	-9.06	0.0	32.55	4.53	-0.14	0.18	9.70	0.0
		0.0	-5.86	-0.01	0.0	56.0	32.55	0.0	-0.14	0.18	1.92	126.78
						112.0	32.55	-4.53	-0.14	0.18	-5.86	0.0
5	85	126.78	11.23	0.06	-9.06	0.0	-17.04	4.53	-0.16	0.54	11.23	0.0
		0.0	-7.12	0.02	0.0	56.0	-17.04	0.0	-0.16	0.54	2.05	126.78
						112.0	-17.04	-4.53	-0.16	0.54	-7.12	0.0
5	86	126.78	15.61	0.03	-9.06	0.0	6.28	4.53	-0.25	0.39	15.61	0.0
		0.0	-12.03	8.41e-03	0.0	56.0	6.28	0.0	-0.25	0.39	1.79	126.78
						112.0	6.28	-4.53	-0.25	0.39	-12.03	0.0
5	87	126.78	5.43	0.02	-9.06	0.0	9.76	4.53	-0.06	0.33	5.43	0.0
		0.0	-1.06	-1.70e-03	0.0	56.0	9.76	0.0	-0.06	0.33	2.19	126.78
						112.0	9.76	-4.53	-0.06	0.33	-1.06	0.0
5	88	126.78	9.59	-9.72e-03	-9.06	0.0	32.02	4.53	-0.14	0.18	9.59	0.0
		0.0	-5.75	-0.01	0.0	56.0	32.02	0.0	-0.14	0.18	1.92	126.78
						112.0	32.02	-4.53	-0.14	0.18	-5.75	0.0
5	89	126.78	11.34	0.06	-9.06	0.0	-16.51	4.53	-0.17	0.54	11.34	0.0
		0.0	-7.23	0.02	0.0	56.0	-16.51	0.0	-0.17	0.54	2.06	126.78
						112.0	-16.51	-4.53	-0.17	0.54	-7.23	0.0
5	90	126.78	15.50	0.03	-9.06	0.0	5.75	4.53	-0.24	0.39	15.50	0.0
		0.0	-11.92	8.55e-03	0.0	56.0	5.75	0.0	-0.24	0.39	1.79	126.78
						112.0	5.75	-4.53	-0.24	0.39	-11.92	0.0
5	91	126.78	2.33	0.07	-9.06	0.0	-27.37	4.53	1.61e-03	0.57	2.33	0.0
		0.0	0.80	0.02	0.0	56.0	-27.37	0.0	1.61e-03	0.57	1.56	126.78
						112.0	-27.37	-4.53	1.61e-03	0.57	0.80	0.0
5	92	126.78	16.92	-0.03	-9.06	0.0	50.35	4.53	-0.27	0.08	16.92	0.0
		0.0	-15.54	-0.02	0.0	56.0	50.35	0.0	-0.27	0.08	0.69	126.78
						112.0	50.35	-4.53	-0.27	0.08	-15.54	0.0
5	93	126.78	4.01	0.08	-9.06	0.0	-34.84	4.53	-0.03	0.64	4.01	0.0
		0.0	2.56	0.02	0.0	56.0	-34.84	0.0	-0.03	0.64	3.29	126.78
						112.0	-34.84	-4.53	-0.03	0.64	2.56	0.0
5	94	126.78	18.61	-0.02	-9.06	0.0	42.88	4.53	-0.30	0.15	18.61	0.0
		0.0	-13.78	-9.82e-03	0.0	56.0	42.88	0.0	-0.30	0.15	2.42	126.78
						112.0	42.88	-4.53	-0.30	0.15	-13.78	0.0
5	95	126.78	2.60	0.07	-9.06	0.0	-27.17	4.53	2.45e-03	0.58	2.28	0.0
		0.0	2.28	0.02	0.0	56.0	-27.17	0.0	2.45e-03	0.58	2.44	126.78
						112.0	-27.17	-4.53	2.45e-03	0.58	2.60	0.0
5	96	126.78	16.88	-0.03	-9.06	0.0	50.56	4.53	-0.27	0.08	16.88	0.0
		0.0	-13.73	-0.02	0.0	56.0	50.56	0.0	-0.27	0.08	1.57	126.78
						112.0	50.56	-4.53	-0.27	0.08	-13.73	0.0
5	97	126.78	4.05	0.08	-9.06	0.0	-35.05	4.53	-0.03	0.64	4.05	0.0
		0.0	0.75	0.02	0.0	56.0	-35.05	0.0	-0.03	0.64	2.40	126.78
						112.0	-35.05	-4.53	-0.03	0.64	0.75	0.0
5	98	126.78	18.65	-0.02	-9.06	0.0	42.68	4.53	-0.31	0.14	18.65	0.0
		0.0	-15.58	-9.65e-03	0.0	56.0	42.68	0.0	-0.31	0.14	1.53	126.78
						112.0	42.68	-4.53	-0.31	0.14	-15.58	0.0
5	99	126.78	2.69	0.07	-9.06	0.0	-25.61	4.53	-4.58e-03	0.57	2.69	0.0
		0.0	0.46	0.02	0.0	56.0	-25.61	0.0	-4.58e-03	0.57	1.58	126.78
						112.0	-25.61	-4.53	-4.58e-03	0.57	0.46	0.0
5	100	126.78	16.55	-0.03	-9.06	0.0	48.59	4.53	-0.27	0.08	16.55	0.0
		0.0	-15.20	-0.01	0.0	56.0	48.59	0.0	-0.27	0.08	0.68	126.78
						112.0	48.59	-4.53	-0.27	0.08	-15.20	0.0
5	101	126.78	4.38	0.08	-9.06	0.0	-33.08	4.53	-0.03	0.64	4.38	0.0
		0.0	2.22	0.02	0.0	56.0	-33.08	0.0	-0.03	0.64	3.30	126.78
						112.0	-33.08	-4.53	-0.03	0.64	2.22	0.0
5	102	126.78	18.24	-0.02	-9.06	0.0	41.12	4.53	-0.30	0.15	18.24	0.0
		0.0	-13.44	-9.38e-03	0.0	56.0	41.12	0.0	-0.30	0.15	2.40	126.78
						112.0	41.12	-4.53	-0.30	0.15	-13.44	0.0
5	103	126.78	2.65	0.06	-9.06	0.0	-25.40	4.53	-3.74e-03	0.58	2.65	0.0
		0.0	2.27	0.02	0.0	56.0	-25.40	0.0	-3.74e-03	0.58	2.46	126.78
						112.0	-25.40	-4.53	-3.74e-03	0.58	2.27	0.0
5	104	126.78	16.51	-0.03	-9.06	0.0	48.79	4.53	-0.27	0.08	16.51	0.0
		0.0	-13.40	-0.02	0.0	56.0	48.79	0.0	-0.27	0.08	1.56	126.78
						112.0	48.79	-4.53	-0.27	0.08	-13.40	0.0
5	105	126.78	4.42	0.08	-9.06	0.0	-33.28	4.53	-0.04	0.64	4.42	0.0
		0.0	0.42	0.02	0.0	56.0	-33.28	0.0	-0.04	0.64	2.42	126.78
						112.0	-33.28	-4.53	-0.04	0.64	0.42	0.0
5	106	126.78	18.28	-0.02	-9.06	0.0	40.91	4.53	-0.30	0.14	18.28	0.0
		0.0	-15.25	-9.20e-03	0.0	56.0	40.91	0.0	-0.30	0.14	1.52	126.78
						112.0	40.91	-4.53	-0.30	0.14	-15.25	0.0

6	1	368.10	0.93	5.59e-03	-21.58	0.0	2.01	11.39	-0.01	-0.03	0.93228.67
		228.67	0.41	8.00e-04	0.0	25.5	2.01	-0.26	-0.01	-0.03	0.67368.10
						51.0	2.01	-10.19	-0.01	-0.03	0.41230.06
6	2	2849.22	2.29	0.03	-155.62	0.0	10.17	70.02	0.06	-0.13	-0.92
2161.26											
		1435.26	-0.92	2.91e-03	0.0	25.5	10.17	-17.44	0.06	-0.13	0.69
2803.32											
						51.0	10.17	-85.60	0.06	-0.13	2.29
1435.26											
6	3	237.22	0.75	3.80e-03	-14.07	0.0	1.39	7.66	-9.26e-03	-0.02	0.75139.43
		139.43	0.28	5.76e-04	0.0	25.5	1.39	0.13	-9.26e-03	-0.02	0.52237.20
						51.0	1.39	-6.42	-9.26e-03	-0.02	0.28154.23
6	4	2718.99	2.16	0.03	-148.11	0.0	9.55	66.29	0.06	-0.12	-1.10
2072.02											
		1359.43	-1.10	2.68e-03	0.0	25.5	9.55	-17.05	0.06	-0.12	0.53
2672.42											
						51.0	9.55	-81.83	0.06	-0.12	2.16
1359.43											
6	5	263.17	0.73	4.08e-03	-15.50	0.0	1.48	8.28	-8.48e-03	-0.02	0.73160.04
		160.04	0.30	5.98e-04	0.0	25.5	1.48	-0.06	-8.48e-03	-0.02	0.52263.17
						51.0	1.48	-7.22	-8.48e-03	-0.02	0.30167.08
6	6	1916.07	1.55	0.02	-104.86	0.0	6.92	47.37	0.04	-0.09	-0.50
1448.44											
		970.55	-0.50	2.00e-03	0.0	25.5	6.92	-11.51	0.04	-0.09	0.53
1886.65											
						51.0	6.92	-57.50	0.04	-0.09	1.55970.55
6	7	263.17	0.73	4.08e-03	-15.50	0.0	1.48	8.28	-8.48e-03	-0.02	0.73160.04
		160.04	0.30	5.98e-04	0.0	25.5	1.48	-0.06	-8.48e-03	-0.02	0.52263.17
						51.0	1.48	-7.22	-8.48e-03	-0.02	0.30167.08
6	8	1418.40	1.18	0.02	-78.06	0.0	5.28	35.64	0.03	-0.07	-0.13
1061.92											
		729.51	-0.13	1.58e-03	0.0	25.5	5.28	-8.07	0.03	-0.07	0.52
1399.61											
						51.0	5.28	-42.41	0.03	-0.07	1.18729.51
6	9	263.17	0.73	4.08e-03	-15.50	0.0	1.48	8.28	-8.48e-03	-0.02	0.73160.04
		160.04	0.30	5.98e-04	0.0	25.5	1.48	-0.06	-8.48e-03	-0.02	0.52263.17
						51.0	1.48	-7.22	-8.48e-03	-0.02	0.30167.08
6	10	1252.51	1.05	0.01	-69.12	0.0	4.74	31.73	0.02	-0.06	-6.60e-03933.08
		649.16	-6.60e-03	1.44e-03	0.0	25.5	4.74	-6.93	0.02	-0.06	0.52
1237.26											
						51.0	4.74	-37.39	0.02	-0.06	1.05649.16
6	11	7024.41	134.93	-0.02	-69.12	0.0	21.87	-87.57	5.10	-0.69	-128.99
7024.41											
		554.70	-128.99	-1.73e-03	0.0	25.5	21.87	-126.23	5.10	-0.69	2.97
4235.69											
						51.0	21.87	-156.69	5.10	-0.69	134.93554.70
6	12	8909.02	72.62	-0.04	-69.12	0.0	15.72	-124.53	2.74	-0.18	-69.78
8909.02											
		567.16	-69.78	-9.33e-03	0.0	25.5	15.72	-163.19	2.74	-0.18	1.42
5184.23											
						51.0	15.72	-193.64	2.74	-0.18	72.62567.16
6	13	731.17	69.77	0.07	-69.12	0.0	-6.24	187.99	-2.69	0.05	69.77 -
7042.87											
		-7042.87	-70.52	0.01	0.0	25.5	-6.24	149.33	-2.69	0.05	-0.37 -
2709.71											
						51.0	-6.24	118.87	-2.69	0.05	-70.52731.17
6	14	743.63	128.98	0.05	-69.12	0.0	-12.39	151.04	-5.06	0.56	128.98 -
5158.25											
		-5158.25	-132.82	4.61e-03	0.0	25.5	-12.39	112.38	-5.06	0.56	-1.92 -
1761.17											
						51.0	-12.39	81.92	-5.06	0.56	-132.82743.63
6	15	6880.69	131.37	-0.02	-69.12	0.0	21.58	-84.75	4.97	-0.67	-125.94
6880.69											
		550.26	-125.94	-1.81e-03	0.0	25.5	21.58	-123.41	4.97	-0.67	2.72
4161.61											
						51.0	21.58	-153.87	4.97	-0.67	131.37550.26
6	16	9052.75	76.18	-0.04	-69.12	0.0	16.01	-127.35	2.86	-0.19	-72.83
9052.75											
		571.59	-72.83	-9.24e-03	0.0	25.5	16.01	-166.01	2.86	-0.19	1.68
5258.31											
						51.0	16.01	-196.47	2.86	-0.19	76.18571.59
6	17	726.73	72.82	0.07	-69.12	0.0	-6.53	190.82	-2.82	0.07	72.82 -

7186.59												
		-7186.59	-74.08	0.01	0.0	25.5	-6.53	152.16	-2.82	0.07	-0.63	-
2783.79												
						51.0	-6.53	121.70	-2.82	0.07	-74.08	726.73
6	18	748.06	125.93	0.05	-69.12	0.0	-12.10	148.21	-4.93	0.54	125.93	-
5014.53												
		-5014.53	-129.26	4.70e-03	0.0	25.5	-12.10	109.55	-4.93	0.54	-1.67	-
1687.09												
						51.0	-12.10	79.09	-4.93	0.54	-129.26	748.06
6	19	7115.67	147.51	-0.01	-69.12	0.0	19.59	-89.36	5.58	-0.74	-140.29	
7115.67												
		555.14	-140.29	-1.80e-03	0.0	25.5	19.59	-128.03	5.58	-0.74	3.61	
4281.55												
						51.0	19.59	-158.48	5.58	-0.74	147.51	555.14
6	20	9000.29	85.20	-0.04	-69.12	0.0	13.44	-126.32	3.21	-0.23	-81.08	
9000.29												
		567.60	-81.08	-9.40e-03	0.0	25.5	13.44	-164.98	3.21	-0.23	2.06	
5230.09												
						51.0	13.44	-195.44	3.21	-0.23	85.20	567.60
6	21	730.72	81.07	0.07	-69.12	0.0	-3.96	189.78	-3.17	0.10	81.07	-
7134.13												
		-7134.13	-83.09	0.01	0.0	25.5	-3.96	151.12	-3.17	0.10	-1.01	-
2755.57												
						51.0	-3.96	120.66	-3.17	0.10	-83.09	730.72
6	22	743.18	140.28	0.04	-69.12	0.0	-10.11	152.83	-5.53	0.61	140.28	-
5249.52												
		-5249.52	-145.40	4.68e-03	0.0	25.5	-10.11	114.17	-5.53	0.61	-2.56	-
1807.03												
						51.0	-10.11	83.71	-5.53	0.61	-145.40	743.18
6	23	6971.95	143.95	-0.01	-69.12	0.0	19.30	-86.54	5.45	-0.72	-137.24	
6971.95												
		550.71	-137.24	-1.89e-03	0.0	25.5	19.30	-125.20	5.45	-0.72	3.35	
4207.47												
						51.0	19.30	-155.66	5.45	-0.72	143.95	550.71
6	24	9144.01	88.76	-0.04	-69.12	0.0	13.73	-129.14	3.34	-0.25	-84.13	
9144.01												
		572.04	-84.13	-9.31e-03	0.0	25.5	13.73	-167.80	3.34	-0.25	2.31	
5304.16												
						51.0	13.73	-198.26	3.34	-0.25	88.76	572.04
6	25	726.29	84.12	0.07	-69.12	0.0	-4.25	192.61	-3.30	0.12	84.12	-
7277.86												
		-7277.86	-86.65	0.01	0.0	25.5	-4.25	153.95	-3.30	0.12	-1.27	-
2829.64												
						51.0	-4.25	123.49	-3.30	0.12	-86.65	726.29
6	26	747.62	137.23	0.04	-69.12	0.0	-9.82	150.00	-5.40	0.59	137.23	-
5105.80												
		-5105.80	-141.84	4.77e-03	0.0	25.5	-9.82	111.34	-5.40	0.59	-2.31	-
1732.95												
						51.0	-9.82	80.89	-5.40	0.59	-141.84	747.62
6	27	754.45	135.72	0.05	-69.12	0.0	19.21	51.99	5.13	-1.02	-128.50	-97.86
		-97.86	-128.50	0.01	0.0	25.5	19.21	13.32	5.13	-1.02	3.61	698.17
						51.0	19.21	-17.13	5.13	-1.02	135.72	601.92
6	28	6184.20	68.85	-0.04	-69.12	0.0	-1.29	-71.19	-2.75	0.67	68.85	
6184.20												
		643.46	-71.98	-0.01	0.0	25.5	-1.29	-109.85	-2.75	0.67	-1.56	
3859.97												
						51.0	-1.29	-140.31	-2.75	0.67	-71.98	643.46
6	29	654.86	74.08	0.07	-69.12	0.0	10.77	134.66	2.80	-0.80	-68.87	-
4318.04												
		-4318.04	-68.87	0.02	0.0	25.5	10.77	95.99	2.80	-0.80	2.61	-
1385.45												
						51.0	10.77	65.54	2.80	-0.80	74.08	654.86
6	30	2010.66	128.48	-0.02	-69.12	0.0	-9.73	11.48	-5.09	0.90	128.48	
1964.01												
		696.40	-133.61	-9.13e-03	0.0	25.5	-9.73	-27.18	-5.09	0.90	-2.56	
1776.35												
						51.0	-9.73	-57.64	-5.09	0.90	-133.61	696.40
6	31	763.09	139.49	0.05	-69.12	0.0	18.52	51.45	5.28	-1.04	-131.89	-70.48
		-70.48	-131.89	0.01	0.0	25.5	18.52	12.79	5.28	-1.04	3.80	711.93
						51.0	18.52	-17.67	5.28	-1.04	139.49	602.05
6	32	6211.58	65.46	-0.04	-69.12	0.0	-1.98	-71.73	-2.61	0.66	65.46	
6211.58												

		643.60	-68.21	-0.01	0.0	25.5	-1.98	-110.39	-2.61	0.66	-1.37	3873.73
						51.0	-1.98	-140.85	-2.61	0.66	-68.21	643.60
6	33	654.73	70.31	0.07	-69.12	0.0	11.46	135.19	2.65	-0.79	-65.48	-4345.42
		-4345.42	-65.48	0.02	0.0	25.5	11.46	96.53	2.65	-0.79	2.42	-1399.21
						51.0	11.46	66.07	2.65	-0.79	70.31	654.73
6	34	1987.61	131.87	-0.02	-69.12	0.0	-9.04	12.02	-5.23	0.91	131.87	1936.63
		696.27	-137.38	-9.11e-03	0.0	25.5	-9.04	-26.64	-5.23	0.91	-2.76	1762.59
						51.0	-9.04	-57.10	-5.23	0.91	-137.38	696.27
6	35	625.85	123.85	0.04	-69.12	0.0	18.25	61.40	4.70	-0.96	-118.34	-576.93
		-576.93	-118.34	0.01	0.0	25.5	18.25	22.74	4.70	-0.96	2.76	451.25
						51.0	18.25	-7.71	4.70	-0.96	123.85	587.14
6	36	6663.27	58.69	-0.04	-69.12	0.0	-0.33	-80.61	-2.32	0.62	58.69	6663.27
		658.24	-60.11	-0.01	0.0	25.5	-0.33	-119.27	-2.32	0.62	-0.71	4106.89
						51.0	-0.33	-149.73	-2.32	0.62	-60.11	658.24
6	37	640.09	62.22	0.07	-69.12	0.0	9.81	144.07	2.37	-0.74	-58.71	-4797.11
		-4797.11	-58.71	0.02	0.0	25.5	9.81	105.41	2.37	-0.74	1.76	-1632.37
						51.0	9.81	74.95	2.37	-0.74	62.22	640.09
6	38	2445.51	118.32	-0.01	-69.12	0.0	-8.76	2.06	-4.66	0.84	118.32	2443.08
		711.18	-121.75	-8.85e-03	0.0	25.5	-8.76	-36.60	-4.66	0.84	-1.71	2023.27
						51.0	-8.76	-67.06	-4.66	0.84	-121.75	711.18
6	39	631.09	127.63	0.04	-69.12	0.0	17.56	60.87	4.85	-0.98	-121.73	-549.55
		-549.55	-121.73	0.01	0.0	25.5	17.56	22.21	4.85	-0.98	2.95	465.00
						51.0	17.56	-8.25	4.85	-0.98	127.63	587.28
6	40	6690.65	55.30	-0.04	-69.12	0.0	-1.01	-81.14	-2.18	0.60	55.30	6690.65
		658.37	-56.34	-0.01	0.0	25.5	-1.01	-119.81	-2.18	0.60	-0.52	4120.65
						51.0	-1.01	-150.26	-2.18	0.60	-56.34	658.37
6	41	639.95	58.45	0.07	-69.12	0.0	10.50	144.61	2.22	-0.73	-55.32	-4824.49
		-4824.49	-55.32	0.02	0.0	25.5	10.50	105.95	2.22	-0.73	1.56	-1646.13
						51.0	10.50	75.49	2.22	-0.73	58.45	639.95
6	42	2419.84	121.71	-0.01	-69.12	0.0	-8.08	2.60	-4.80	0.85	121.71	2415.70
		711.05	-125.52	-8.83e-03	0.0	25.5	-8.08	-36.06	-4.80	0.85	-1.90	2009.52
						51.0	-8.08	-66.52	-4.80	0.85	-125.52	711.05
6	43	5766.96	101.69	-8.90e-03	-69.12	0.0	18.16	-62.93	3.84	-0.55	-97.06	5766.96
		587.82	-97.06	-1.03e-03	0.0	25.5	18.16	-101.60	3.84	-0.55	2.31	3623.53
						51.0	18.16	-132.05	3.84	-0.55	101.69	587.82
6	44	7230.00	56.73	-0.03	-69.12	0.0	13.33	-91.62	2.13	-0.15	-54.37	7230.00
		596.40	-54.37	-7.17e-03	0.0	25.5	13.33	-130.29	2.13	-0.15	1.18	4359.34
						51.0	13.33	-160.74	2.13	-0.15	56.73	596.40
6	45	701.92	54.36	0.06	-69.12	0.0	-3.85	155.09	-2.09	0.02	54.36	-5363.85
		-5363.85	-54.62	0.01	0.0	25.5	-3.85	116.43	-2.09	0.02	-0.13	-1884.82
						51.0	-3.85	85.97	-2.09	0.02	-54.62	701.92
6	46	710.50	97.05	0.04	-69.12	0.0	-8.68	126.40	-3.80	0.42	97.05	-3900.80
		-3900.80	-99.58	3.91e-03	0.0	25.5	-8.68	87.74	-3.80	0.42	-1.27	-1149.01
						51.0	-8.68	57.28	-3.80	0.42	-99.58	710.50
6	47	5650.16	99.09	-9.65e-03	-69.12	0.0	17.94	-60.64	3.74	-0.53	-94.82	

5650.16												
		585.03	-94.82	-1.10e-03	0.0	25.5	17.94	-99.30	3.74	-0.53	2.14	
3563.73												
						51.0	17.94	-129.76	3.74	-0.53	99.09	585.03
6	48	7346.81	59.33	-0.03	-69.12	0.0	13.56	-93.92	2.23	-0.16	-56.61	
7346.81												
		599.20	-56.61	-7.09e-03	0.0	25.5	13.56	-132.58	2.23	-0.16	1.36	
4419.14												
						51.0	13.56	-163.04	2.23	-0.16	59.33	599.20
6	49	699.13	56.60	0.06	-69.12	0.0	-4.08	157.39	-2.18	0.03	56.60	-
5480.65												
		-5480.65	-57.22	9.97e-03	0.0	25.5	-4.08	118.72	-2.18	0.03	-0.31	-
1944.62												
						51.0	-4.08	88.27	-2.18	0.03	-57.22	699.13
6	50	713.30	94.81	0.04	-69.12	0.0	-8.45	124.11	-3.70	0.40	94.81	-
3784.00												
		-3784.00	-96.98	3.98e-03	0.0	25.5	-8.45	85.44	-3.70	0.40	-1.09	-
1089.21												
						51.0	-8.45	54.99	-3.70	0.40	-96.98	713.30
6	51	5835.06	111.05	-7.13e-03	-69.12	0.0	16.33	-64.27	4.19	-0.58	-105.38	
5835.06												
		587.97	-105.38	-1.08e-03	0.0	25.5	16.33	-102.94	4.19	-0.58	2.83	
3657.66												
						51.0	16.33	-133.39	4.19	-0.58	111.05	587.97
6	52	7298.11	66.09	-0.03	-69.12	0.0	11.50	-92.96	2.48	-0.19	-62.70	
7298.11												
		596.56	-62.70	-7.23e-03	0.0	25.5	11.50	-131.63	2.48	-0.19	1.70	
4393.47												
						51.0	11.50	-162.08	2.48	-0.19	66.09	596.56
6	53	701.77	62.68	0.06	-69.12	0.0	-2.02	156.43	-2.44	0.06	62.68	-
5431.95												
		-5431.95	-63.99	0.01	0.0	25.5	-2.02	117.77	-2.44	0.06	-0.65	-
1918.95												
						51.0	-2.02	87.31	-2.44	0.06	-63.99	701.77
6	54	710.35	105.37	0.04	-69.12	0.0	-6.85	127.74	-4.15	0.46	105.37	-
3968.91												
		-3968.91	-108.94	3.97e-03	0.0	25.5	-6.85	89.08	-4.15	0.46	-1.79	-
1183.14												
						51.0	-6.85	58.62	-4.15	0.46	-108.94	710.35
6	55	5718.26	108.45	-7.88e-03	-69.12	0.0	16.10	-61.98	4.09	-0.57	-103.14	
5718.26												
		585.18	-103.14	-1.16e-03	0.0	25.5	16.10	-100.64	4.09	-0.57	2.66	
3597.86												
						51.0	16.10	-131.10	4.09	-0.57	108.45	585.18
6	56	7414.91	68.69	-0.03	-69.12	0.0	11.72	-95.26	2.58	-0.20	-64.94	
7414.91												
		599.35	-64.94	-7.15e-03	0.0	25.5	11.72	-133.92	2.58	-0.20	1.88	
4453.27												
						51.0	11.72	-164.38	2.58	-0.20	68.69	599.35
6	57	698.97	64.92	0.06	-69.12	0.0	-2.24	158.73	-2.54	0.07	64.92	-
5548.76												
		-5548.76	-66.58	0.01	0.0	25.5	-2.24	120.06	-2.54	0.07	-0.83	-
1978.75												
						51.0	-2.24	89.61	-2.54	0.07	-66.58	698.97
6	58	713.15	103.13	0.04	-69.12	0.0	-6.62	125.45	-4.05	0.44	103.13	-
3852.11												
		-3852.11	-106.34	4.04e-03	0.0	25.5	-6.62	86.78	-4.05	0.44	-1.61	-
1123.34												
						51.0	-6.62	56.33	-4.05	0.44	-106.34	713.15
6	59	857.28	99.43	0.04	-69.12	0.0	16.09	46.84	3.75	-0.81	-93.86	164.29
		164.29	-93.86	0.01	0.0	25.5	16.09	8.18	3.75	-0.81	2.78	837.16
						51.0	16.09	-22.27	3.75	-0.81	99.43	617.74
6	60	5041.11	48.42	-0.03	-69.12	0.0	-7.60e-03	-48.78	-1.93	0.52	48.42	
5041.11												
		646.35	-50.43	-0.01	0.0	25.5	-7.60e-03	-87.45	-1.93	0.52	-1.00	
3289.87												
						51.0	-7.60e-03	-117.90	-1.93	0.52	-50.43	646.35
6	61	651.97	52.53	0.06	-69.12	0.0	9.49	112.25	1.97	-0.64	-48.43	-
3174.95												
		-3174.95	-48.43	0.01	0.0	25.5	9.49	73.59	1.97	-0.64	2.05	-
815.35												
						51.0	9.49	43.13	1.97	-0.64	52.53	651.97

6	62	1793.92	93.85	-9.49e-03	-69.12	0.0	-6.61	16.62	-3.71	0.69	93.85
1701.87											
		680.58	-97.32	-7.14e-03	0.0	25.5	-6.61	-22.04	-3.71	0.69	-1.74
1637.36											
						51.0	-6.61	-52.50	-3.71	0.69	-97.32680.58
6	63	864.97	102.23	0.04	-69.12	0.0	15.54	46.44	3.86	-0.82	-96.36184.72
		184.72	-96.36	1.00e-02	0.0	25.5	15.54	7.78	3.86	-0.82	2.94847.39
						51.0	15.54	-22.68	3.86	-0.82	102.23617.79
6	64	5061.54	45.92	-0.03	-69.12	0.0	-0.56	-49.19	-1.83	0.50	45.92
5061.54											
		646.40	-47.62	-0.01	0.0	25.5	-0.56	-87.85	-1.83	0.50	-0.85
3300.11											
						51.0	-0.56	-118.31	-1.83	0.50	-47.62646.40
6	65	651.93	49.72	0.06	-69.12	0.0	10.04	112.65	1.87	-0.63	-45.94 -
3195.38											
		-3195.38	-45.94	0.01	0.0	25.5	10.04	73.99	1.87	-0.63	1.89 -
825.59											
						51.0	10.04	43.53	1.87	-0.63	49.72651.93
6	66	1777.51	96.34	-0.01	-69.12	0.0	-6.06	17.02	-3.81	0.70	96.34
1681.43											
		680.54	-100.13	-7.12e-03	0.0	25.5	-6.06	-21.64	-3.81	0.70	-1.89
1627.13											
						51.0	-6.06	-52.09	-3.81	0.70	-100.13680.54
6	67	720.21	90.77	0.04	-69.12	0.0	15.34	54.50	3.44	-0.77	-86.39 -
225.05											
		-225.05	-86.39	9.76e-03	0.0	25.5	15.34	15.84	3.44	-0.77	2.19637.83
						51.0	15.34	-14.62	3.44	-0.77	90.77608.43
6	68	5430.45	40.96	-0.03	-69.12	0.0	0.75	-56.44	-1.62	0.47	40.96
5430.45											
		655.67	-41.77	-0.01	0.0	25.5	0.75	-95.10	-1.62	0.47	-0.41
3489.20											
						51.0	0.75	-125.56	-1.62	0.47	-41.77655.67
6	69	642.66	43.88	0.06	-69.12	0.0	8.73	119.90	1.66	-0.60	-40.97 -
3564.29											
		-3564.29	-40.97	0.01	0.0	25.5	8.73	81.24	1.66	-0.60	1.46 -
1014.68											
						51.0	8.73	50.79	1.66	-0.60	43.88642.66
6	70	2121.14	86.38	-6.97e-03	-69.12	0.0	-5.86	8.97	-3.39	0.64	86.38
2091.21											
		689.90	-88.67	-6.88e-03	0.0	25.5	-5.86	-29.69	-3.39	0.64	-1.14
1836.69											
						51.0	-5.86	-60.15	-3.39	0.64	-88.67689.90
6	71	725.59	93.58	0.04	-69.12	0.0	14.79	54.10	3.54	-0.78	-88.89 -
204.62											
		-204.62	-88.89	9.74e-03	0.0	25.5	14.79	15.43	3.54	-0.78	2.35648.07
						51.0	14.79	-15.02	3.54	-0.78	93.58608.47
6	72	5450.88	38.46	-0.03	-69.12	0.0	0.20	-56.84	-1.51	0.46	38.46
5450.88											
		655.72	-38.97	-0.01	0.0	25.5	0.20	-95.50	-1.51	0.46	-0.25
3499.44											
						51.0	0.20	-125.96	-1.51	0.46	-38.97655.72
6	73	642.61	41.07	0.06	-69.12	0.0	9.28	120.31	1.55	-0.59	-38.47 -
3584.72											
		-3584.72	-38.47	0.01	0.0	25.5	9.28	81.64	1.55	-0.59	1.30 -
1024.92											
						51.0	9.28	51.19	1.55	-0.59	41.07642.61
6	74	2103.25	88.88	-7.50e-03	-69.12	0.0	-5.31	9.37	-3.50	0.65	88.88
2070.77											
		689.85	-91.47	-6.86e-03	0.0	25.5	-5.31	-29.29	-3.50	0.65	-1.30
1826.45											
						51.0	-5.31	-59.75	-3.50	0.65	-91.47689.85
6	75	4929.57	84.66	-4.86e-03	-69.12	0.0	15.87	-46.53	3.19	-0.46	-80.60
4929.57											
		598.06	-80.60	-5.99e-04	0.0	25.5	15.87	-85.20	3.19	-0.46	2.03
3209.95											
						51.0	15.87	-115.65	3.19	-0.46	84.66598.06
6	76	6140.48	47.29	-0.02	-69.12	0.0	11.88	-70.28	1.77	-0.13	-45.12
6140.48											
		605.20	-45.12	-5.67e-03	0.0	25.5	11.88	-108.94	1.77	-0.13	1.08
3818.98											
						51.0	11.88	-139.40	1.77	-0.13	47.29605.20
6	77	693.13	45.10	0.05	-69.12	0.0	-2.40	133.75	-1.73	6.16e-03	45.10 -

4274.32												
		-4274.32	-45.18	8.55e-03	0.0	25.5	-2.40	95.08	-1.73	6.16e-03	-0.04	-
1344.46												
						51.0	-2.40	64.63	-1.73	6.16e-03	-45.18	693.13
6	78	700.27	80.59	0.03	-69.12	0.0	-6.39	110.00	-3.15	0.34	80.59	-
3063.42												
		-3063.42	-82.55	3.48e-03	0.0	25.5	-6.39	71.34	-3.15	0.34	-0.98	-
735.43												
						51.0	-6.39	40.88	-3.15	0.34	-82.55	700.27
6	79	4833.23	82.50	-5.49e-03	-69.12	0.0	15.69	-44.64	3.11	-0.45	-78.74	
4833.23												
		595.73	-78.74	-6.63e-04	0.0	25.5	15.69	-83.30	3.11	-0.45	1.88	
3160.62												
						51.0	15.69	-113.76	3.11	-0.45	82.50	595.73
6	80	6236.82	49.44	-0.02	-69.12	0.0	12.06	-72.17	1.85	-0.14	-46.98	
6236.82												
		607.53	-46.98	-5.61e-03	0.0	25.5	12.06	-110.83	1.85	-0.14	1.23	
3868.31												
						51.0	12.06	-141.29	1.85	-0.14	49.44	607.53
6	81	690.80	46.97	0.05	-69.12	0.0	-2.58	135.64	-1.81	0.02	46.97	-
4370.66												
		-4370.66	-47.34	8.49e-03	0.0	25.5	-2.58	96.98	-1.81	0.02	-0.19	-
1393.79												
						51.0	-2.58	66.52	-1.81	0.02	-47.34	690.80
6	82	702.60	78.73	0.03	-69.12	0.0	-6.20	108.11	-3.07	0.32	78.73	-
2967.07												
		-2967.07	-80.40	3.54e-03	0.0	25.5	-6.20	69.45	-3.07	0.32	-0.83	-
686.10												
						51.0	-6.20	38.99	-3.07	0.32	-80.40	702.60
6	83	4985.99	92.44	-3.39e-03	-69.12	0.0	14.35	-47.64	3.48	-0.49	-87.53	
4985.99												
		598.19	-87.53	-6.48e-04	0.0	25.5	14.35	-86.31	3.48	-0.49	2.45	
3238.23												
						51.0	14.35	-116.76	3.48	-0.49	92.44	598.19
6	84	6196.89	55.06	-0.02	-69.12	0.0	10.36	-71.39	2.07	-0.17	-52.05	
6196.89												
		605.33	-52.05	-5.72e-03	0.0	25.5	10.36	-110.05	2.07	-0.17	1.51	
3847.25												
						51.0	10.36	-140.51	2.07	-0.17	55.06	605.33
6	85	693.00	52.03	0.05	-69.12	0.0	-0.87	134.86	-2.02	0.04	52.03	-
4330.74												
		-4330.74	-52.96	8.60e-03	0.0	25.5	-0.87	96.19	-2.02	0.04	-0.46	-
1372.73												
						51.0	-0.87	65.74	-2.02	0.04	-52.96	693.00
6	86	700.14	87.52	0.03	-69.12	0.0	-4.87	111.11	-3.44	0.37	87.52	-
3119.83												
		-3119.83	-90.33	3.53e-03	0.0	25.5	-4.87	72.45	-3.44	0.37	-1.41	-
763.71												
						51.0	-4.87	41.99	-3.44	0.37	-90.33	700.14
6	87	4889.65	90.28	-4.02e-03	-69.12	0.0	14.16	-45.75	3.40	-0.48	-85.67	
4889.65												
		595.86	-85.67	-7.11e-04	0.0	25.5	14.16	-84.41	3.40	-0.48	2.31	
3188.89												
						51.0	14.16	-114.87	3.40	-0.48	90.28	595.86
6	88	6293.23	57.22	-0.02	-69.12	0.0	10.54	-73.28	2.14	-0.18	-53.91	
6293.23												
		607.66	-53.91	-5.65e-03	0.0	25.5	10.54	-111.94	2.14	-0.18	1.66	
3896.59												
						51.0	10.54	-142.40	2.14	-0.18	57.22	607.66
6	89	690.67	53.89	0.05	-69.12	0.0	-1.06	136.75	-2.10	0.05	53.89	-
4427.08												
		-4427.08	-55.11	8.54e-03	0.0	25.5	-1.06	98.09	-2.10	0.05	-0.61	-
1422.07												
						51.0	-1.06	67.63	-2.10	0.05	-55.11	690.67
6	90	702.47	85.66	0.03	-69.12	0.0	-4.68	109.22	-3.36	0.36	85.66	-
3023.49												
		-3023.49	-88.18	3.59e-03	0.0	25.5	-4.68	70.56	-3.36	0.36	-1.26	-
714.37												
						51.0	-4.68	40.10	-3.36	0.36	-88.18	702.47
6	91	914.46	82.82	0.03	-69.12	0.0	14.14	44.27	3.12	-0.68	-78.00	295.49
		295.49	-78.00	8.52e-03	0.0	25.5	14.14	5.60	3.12	-0.68	2.41	905.38
						51.0	14.14	-24.85	3.12	-0.68	82.82	623.00

6	92	4331.84	40.28	-0.02	-69.12	0.0	0.82	-34.88	-1.60	0.42	40.28	4331.84
		646.80	-41.76	-8.38e-03	0.0	25.5	0.82	-73.54	-1.60	0.42	-0.74	2935.46
						51.0	0.82	-104.00	-1.60	0.42	-41.76	646.80
6	93	651.52	43.87	0.05	-69.12	0.0	8.66	98.35	1.64	-0.54	-40.29	-2465.68
		-2465.68	-40.29	0.01	0.0	25.5	8.66	59.69	1.64	-0.54	1.79	-460.94
						51.0	8.66	29.23	1.64	-0.54	43.87	651.52
6	94	1693.14	77.99	-5.26e-03	-69.12	0.0	-4.66	19.20	-3.08	0.56	77.99	1570.67
		675.32	-80.72	-5.64e-03	0.0	25.5	-4.66	-19.46	-3.08	0.56	-1.36	1569.14
						51.0	-4.66	-49.92	-3.08	0.56	-80.72	675.32
6	95	921.88	85.16	0.04	-69.12	0.0	13.68	43.93	3.21	-0.69	-80.08	312.41
		312.41	-80.08	8.50e-03	0.0	25.5	13.68	5.27	3.21	-0.69	2.54	913.87
						51.0	13.68	-25.19	3.21	-0.69	85.16	623.04
6	96	4348.76	38.20	-0.02	-69.12	0.0	0.37	-35.22	-1.52	0.41	38.20	4348.76
		646.84	-39.43	-8.40e-03	0.0	25.5	0.37	-73.88	-1.52	0.41	-0.62	2943.94
						51.0	0.37	-104.33	-1.52	0.41	-39.43	646.84
6	97	651.48	41.54	0.05	-69.12	0.0	9.12	98.68	1.56	-0.53	-38.21	-2482.61
		-2482.61	-38.21	0.01	0.0	25.5	9.12	60.02	1.56	-0.53	1.66	-469.42
						51.0	9.12	29.56	1.56	-0.53	41.54	651.48
6	98	1680.43	80.07	-5.70e-03	-69.12	0.0	-4.20	19.53	-3.17	0.57	80.07	1553.74
		675.28	-83.05	-5.62e-03	0.0	25.5	-4.20	-19.13	-3.17	0.57	-1.49	1560.65
						51.0	-4.20	-49.58	-3.17	0.57	-83.05	675.28
6	99	786.16	75.63	0.03	-69.12	0.0	13.52	50.58	2.86	-0.65	-71.80	-25.65
		-25.65	-71.80	8.31e-03	0.0	25.5	13.52	11.92	2.86	-0.65	1.92	740.93
						51.0	13.52	-18.54	2.86	-0.65	75.63	615.23
6	100	4652.97	34.07	-0.02	-69.12	0.0	1.44	-41.20	-1.34	0.38	34.07	4652.97
		654.57	-34.57	-8.17e-03	0.0	25.5	1.44	-79.86	-1.34	0.38	-0.25	3099.91
						51.0	1.44	-110.31	-1.34	0.38	-34.57	654.57
6	101	643.76	36.68	0.05	-69.12	0.0	8.04	104.66	1.38	-0.51	-34.09	-2786.82
		-2786.82	-34.09	0.01	0.0	25.5	8.04	66.00	1.38	-0.51	1.30	-625.39
						51.0	8.04	35.54	1.38	-0.51	36.68	643.76
6	102	1948.71	71.79	-3.18e-03	-69.12	0.0	-4.04	12.89	-2.82	0.52	71.79	1891.81
		683.09	-73.52	-5.43e-03	0.0	25.5	-4.04	-25.77	-2.82	0.52	-0.87	1733.59
						51.0	-4.04	-56.23	-2.82	0.52	-73.52	683.09
6	103	791.48	77.96	0.03	-69.12	0.0	13.06	50.24	2.95	-0.66	-73.88	-8.73
		-8.73	-73.88	8.29e-03	0.0	25.5	13.06	11.58	2.95	-0.66	2.04	749.41
						51.0	13.06	-18.87	2.95	-0.66	77.96	615.27
6	104	4669.90	32.00	-0.02	-69.12	0.0	0.99	-41.53	-1.25	0.37	32.00	4669.90
		654.61	-32.24	-8.18e-03	0.0	25.5	0.99	-80.19	-1.25	0.37	-0.12	3108.39
						51.0	0.99	-110.65	-1.25	0.37	-32.24	654.61
6	105	643.72	34.35	0.05	-69.12	0.0	8.49	104.99	1.30	-0.50	-32.01	-2803.74
		-2803.74	-32.01	0.01	0.0	25.5	8.49	66.33	1.30	-0.50	1.17	-633.87
						51.0	8.49	35.88	1.30	-0.50	34.35	643.72
6	106	1934.96	73.87	-3.62e-03	-69.12	0.0	-3.58	13.22	-2.91	0.53	73.87	1874.88
		683.05	-75.86	-5.41e-03	0.0	25.5	-3.58	-25.44	-2.91	0.53	-1.00	1725.11
						51.0	-3.58	-55.90	-2.91	0.53	-75.86	683.05
8	1	3.28	1.68	1.39e-03	-13.16	0.0	-0.42	-14.35	0.11	10.48	-0.57	3.28
		-415.34	-0.57	9.64e-04	0.0	10.0	-0.42	-20.93	0.11	10.48	0.56	-173.13

						20.0	-0.42	-27.51	0.11	10.48	1.68	-
415.34												
8	2	15.52	15.66	-6.43e-04	-89.66	0.0	-1.97	-13.72	0.96	42.59	-3.63	15.52
		-1155.47	-3.63	8.60e-04	0.0	10.0	-1.97	-58.55	0.96	42.59	6.01	-
345.82												
						20.0	-1.97	-103.38	0.96	42.59	15.66	-
1155.47												
8	3	2.29	1.03	1.11e-03	-8.68	0.0	-0.29	-11.05	0.07	7.45	-0.38	2.29
		-305.53	-0.38	7.43e-04	0.0	10.0	-0.29	-15.39	0.07	7.45	0.33	-
129.92												
						20.0	-0.29	-19.73	0.07	7.45	1.03	-
305.53												
8	4	14.53	15.00	-9.25e-04	-85.18	0.0	-1.84	-10.42	0.92	39.57	-3.44	14.53
		-1045.65	-3.44	6.40e-04	0.0	10.0	-1.84	-53.01	0.92	39.57	5.78	-
302.61												
						20.0	-1.84	-95.60	0.92	39.57	15.00	-
1045.65												
8	5	2.42	1.18	1.08e-03	-9.50	0.0	-0.31	-11.04	0.08	7.80	-0.41	2.42
		-313.42	-0.41	7.42e-04	0.0	10.0	-0.31	-15.79	0.08	7.80	0.38	-
131.76												
						20.0	-0.31	-20.54	0.08	7.80	1.18	-
313.42												
8	6	10.58	10.50	-2.70e-04	-60.50	0.0	-1.34	-10.62	0.65	29.21	-2.45	10.58
		-806.84	-2.45	6.73e-04	0.0	10.0	-1.34	-40.87	0.65	29.21	4.02	-
246.89												
						20.0	-1.34	-71.12	0.65	29.21	10.50	-
806.84												
8	7	2.42	1.18	1.08e-03	-9.50	0.0	-0.31	-11.04	0.08	7.80	-0.41	2.42
		-313.42	-0.41	7.42e-04	0.0	10.0	-0.31	-15.79	0.08	7.80	0.38	-
131.76												
						20.0	-0.31	-20.54	0.08	7.80	1.18	-
313.42												
8	8	8.13	7.70	1.36e-04	-45.20	0.0	-1.03	-10.75	0.48	22.78	-1.84	8.13
		-658.82	-1.84	6.94e-04	0.0	10.0	-1.03	-33.35	0.48	22.78	2.93	-
212.35												
						20.0	-1.03	-55.95	0.48	22.78	7.70	-
658.82												
8	9	2.42	1.18	1.08e-03	-9.50	0.0	-0.31	-11.04	0.08	7.80	-0.41	2.42
		-313.42	-0.41	7.42e-04	0.0	10.0	-0.31	-15.79	0.08	7.80	0.38	-
131.76												
						20.0	-0.31	-20.54	0.08	7.80	1.18	-
313.42												
8	10	7.32	6.77	2.72e-04	-40.10	0.0	-0.93	-10.79	0.42	20.64	-1.64	7.32
		-609.47	-1.64	7.01e-04	0.0	10.0	-0.93	-30.84	0.42	20.64	2.57	-
200.84												
						20.0	-0.93	-50.89	0.42	20.64	6.77	-
609.47												
8	11	5.42	4.06	0.01	-40.10	0.0	-7.39	-14.95	-2.23	-25.88	4.06	5.42
		-699.07	-40.55	9.50e-03	0.0	10.0	-7.39	-35.00	-2.23	-25.88	-18.24	-
246.59												
						20.0	-7.39	-55.05	-2.23	-25.88	-40.55	-
699.07												
8	12	14.91	-0.45	-0.02	-40.10	0.0	-4.84	-11.85	-0.11	13.29	-0.45	14.91
		-628.22	-2.74	-6.65e-03	0.0	10.0	-4.84	-31.89	-0.11	13.29	-1.60	-
206.41												
						20.0	-4.84	-51.94	-0.11	13.29	-2.74	-
628.22												
8	13	-0.28	16.28	0.02	-40.10	0.0	2.98	-9.74	0.95	27.99	-2.82	-0.28
		-590.73	-2.82	8.05e-03	0.0	10.0	2.98	-29.79	0.95	27.99	6.73	-
195.26												
						20.0	2.98	-49.83	0.95	27.99	16.28	-
590.73												
8	14	9.22	54.09	-0.01	-40.10	0.0	5.53	-6.63	3.07	67.17	-7.33	9.22
		-519.87	-7.33	-8.10e-03	0.0	10.0	5.53	-26.68	3.07	67.17	23.38	-
155.09												
						20.0	5.53	-46.73	3.07	67.17	54.09	-
519.87												
8	15	5.06	4.50	0.01	-40.10	0.0	-7.56	-14.97	-2.41	-28.71	4.50	5.06
		-699.83	-43.80	0.01	0.0	10.0	-7.56	-35.02	-2.41	-28.71	-19.65	-
247.14												
						20.0	-7.56	-55.07	-2.41	-28.71	-43.80	-
699.83												

8	16	15.28	0.51	-0.02	-40.10	0.0	-4.67	-11.82	0.07	16.12	-0.89	15.28
		-627.47	-0.89	-8.72e-03	0.0	10.0	-4.67	-31.87	0.07	16.12	-0.19	-
205.86												
						20.0	-4.67	-51.92	0.07	16.12	0.51	-
627.47												
8	17	-0.64	13.03	0.02	-40.10	0.0	2.81	-9.76	0.77	25.17	-2.38	-0.64
		-591.48	-2.38	0.01	0.0	10.0	2.81	-29.81	0.77	25.17	5.32	-
195.82												
						20.0	2.81	-49.85	0.77	25.17	13.03	-
591.48												
8	18	9.58	57.34	-0.01	-40.10	0.0	5.70	-6.61	3.25	69.99	-7.77	9.58
		-519.12	-7.77	-0.01	0.0	10.0	5.70	-26.66	3.25	69.99	24.78	-
154.53												
						20.0	5.70	-46.71	3.25	69.99	57.34	-
519.12												
8	19	5.13	-1.28	0.02	-40.10	0.0	-13.91	-14.90	-1.88	-26.37	-1.28	5.13
		-698.06	-35.17	0.03	0.0	10.0	-13.91	-34.95	-1.88	-26.37	-18.23	-
246.22												
						20.0	-13.91	-55.00	-1.88	-26.37	-35.17	-
698.06												
8	20	14.62	2.63	-0.01	-40.10	0.0	-11.37	-11.80	0.23	12.80	-5.79	14.62
		-627.20	-5.79	0.01	0.0	10.0	-11.37	-31.85	0.23	12.80	-1.58	-
206.05												
						20.0	-11.37	-51.90	0.23	12.80	2.63	-
627.20												
8	21	0.01	10.91	0.01	-40.10	0.0	9.51	-9.78	0.61	28.48	2.52	0.01
		-591.75	2.52	-0.01	0.0	10.0	9.51	-29.83	0.61	28.48	6.71	-
195.63												
						20.0	9.51	-49.88	0.61	28.48	10.91	-
591.75												
8	22	9.51	48.71	-0.02	-40.10	0.0	12.05	-6.68	2.72	67.66	-2.00	9.51
		-520.89	-2.00	-0.03	0.0	10.0	12.05	-26.73	2.72	67.66	23.36	-
155.45												
						20.0	12.05	-46.78	2.72	67.66	48.71	-
520.89												
8	23	4.77	-0.84	0.02	-40.10	0.0	-14.09	-14.92	-2.07	-29.20	-0.84	4.77
		-698.81	-38.43	0.03	0.0	10.0	-14.09	-34.97	-2.07	-29.20	-19.63	-
246.78												
						20.0	-14.09	-55.02	-2.07	-29.20	-38.43	-
698.81												
8	24	14.98	5.88	-0.01	-40.10	0.0	-11.19	-11.78	0.42	15.63	-6.23	14.98
		-626.45	-6.23	9.49e-03	0.0	10.0	-11.19	-31.83	0.42	15.63	-0.17	-
205.49												
						20.0	-11.19	-51.88	0.42	15.63	5.88	-
626.45												
8	25	-0.35	7.65	0.01	-40.10	0.0	9.33	-9.80	0.42	25.66	2.96	-0.35
		-592.50	2.96	-8.09e-03	0.0	10.0	9.33	-29.85	0.42	25.66	5.31	-
196.18												
						20.0	9.33	-49.90	0.42	25.66	7.65	-
592.50												
8	26	9.87	51.96	-0.02	-40.10	0.0	12.23	-6.66	2.91	70.48	-2.44	9.87
		-520.14	-2.44	-0.03	0.0	10.0	12.23	-26.71	2.91	70.48	24.76	-
154.89												
						20.0	12.23	-46.76	2.91	70.48	51.96	-
520.14												
8	27	-7.65	6.92	0.05	-40.10	0.0	-6.72	-16.75	-3.58	-52.73	6.92	-7.65
		-743.82	-64.76	0.03	0.0	10.0	-6.72	-36.79	-3.58	-52.73	-28.92	-
275.49												
						20.0	-6.72	-56.84	-3.58	-52.73	-64.76	-
743.82												
8	28	24.00	61.25	-0.05	-40.10	0.0	1.75	-6.40	3.47	77.85	-8.12	24.00
		-507.63	-8.12	-0.03	0.0	10.0	1.75	-26.45	3.47	77.85	26.57	-
141.58												
						20.0	1.75	-46.50	3.47	77.85	61.25	-
507.63												
8	29	-9.36	4.85	0.05	-40.10	0.0	-3.61	-15.18	-2.63	-36.56	4.85	-9.36
		-711.31	-47.72	0.03	0.0	10.0	-3.61	-35.23	-2.63	-36.56	-21.43	-
260.10												
						20.0	-3.61	-55.28	-2.63	-36.56	-47.72	-
711.31												
8	30	22.29	78.30	-0.05	-40.10	0.0	4.86	-4.84	4.42	94.01	-10.19	22.29
		-475.13	-10.19	-0.03	0.0	10.0	4.86	-24.89	4.42	94.01	34.06	-

126.18												
						20.0	4.86	-44.93	4.42	94.01	78.30	-
475.13												
8	31	-7.74	5.31	0.05	-40.10	0.0	-8.68	-16.73	-3.48	-52.87	5.31	-7.74
		-743.51	-63.15	0.03	0.0	10.0	-8.68	-36.78	-3.48	-52.87	-28.92	-
275.39												
						20.0	-8.68	-56.83	-3.48	-52.87	-63.15	-
743.51												
8	32	23.91	62.87	-0.05	-40.10	0.0	-0.20	-6.39	3.57	77.70	-9.72	23.91
		-507.33	-9.72	-0.02	0.0	10.0	-0.20	-26.44	3.57	77.70	26.57	-
141.47												
						20.0	-0.20	-46.48	3.57	77.70	62.87	-
507.33												
8	33	-9.28	6.45	0.05	-40.10	0.0	-1.65	-15.20	-2.73	-36.42	6.45	-9.28
		-711.62	-49.33	0.02	0.0	10.0	-1.65	-35.24	-2.73	-36.42	-21.44	-
260.21												
						20.0	-1.65	-55.29	-2.73	-36.42	-49.33	-
711.62												
8	34	22.38	76.69	-0.05	-40.10	0.0	6.82	-4.85	4.32	94.16	-8.59	22.38
		-475.44	-8.59	-0.03	0.0	10.0	6.82	-24.90	4.32	94.16	34.05	-
126.29												
						20.0	6.82	-44.95	4.32	94.16	76.69	-
475.44												
8	35	-8.86	8.39	0.05	-40.10	0.0	-7.31	-16.81	-4.20	-62.14	8.39	-8.86
		-746.32	-75.60	0.03	0.0	10.0	-7.31	-36.86	-4.20	-62.14	-33.61	-
277.35												
						20.0	-7.31	-56.91	-4.20	-62.14	-75.60	-
746.32												
8	36	25.20	72.09	-0.05	-40.10	0.0	2.34	-6.33	4.08	87.27	-9.59	25.20
		-505.13	-9.59	-0.03	0.0	10.0	2.34	-26.38	4.08	87.27	31.25	-
139.72												
						20.0	2.34	-46.43	4.08	87.27	72.09	-
505.13												
8	37	-10.57	6.32	0.05	-40.10	0.0	-4.20	-15.25	-3.24	-45.98	6.32	-10.57
		-713.82	-58.55	0.03	0.0	10.0	-4.20	-35.30	-3.24	-45.98	-26.12	-
261.95												
						20.0	-4.20	-55.35	-3.24	-45.98	-58.55	-
713.82												
8	38	23.49	89.14	-0.05	-40.10	0.0	5.45	-4.77	5.04	103.43	-11.66	23.49
		-472.63	-11.66	-0.03	0.0	10.0	5.45	-24.82	5.04	103.43	38.74	-
124.33												
						20.0	5.45	-44.86	5.04	103.43	89.14	-
472.63												
8	39	-8.95	6.78	0.05	-40.10	0.0	-9.27	-16.80	-4.09	-62.29	6.78	-8.95
		-746.01	-73.99	0.04	0.0	10.0	-9.27	-36.85	-4.09	-62.29	-33.60	-
277.24												
						20.0	-9.27	-56.90	-4.09	-62.29	-73.99	-
746.01												
8	40	25.12	73.70	-0.05	-40.10	0.0	0.39	-6.32	4.19	87.12	-11.19	25.12
		-504.83	-11.19	-0.03	0.0	10.0	0.39	-26.37	4.19	87.12	31.26	-
139.61												
						20.0	0.39	-46.41	4.19	87.12	73.70	-
504.83												
8	41	-10.48	7.92	0.05	-40.10	0.0	-2.24	-15.27	-3.35	-45.84	7.92	-10.48
		-714.12	-60.17	0.03	0.0	10.0	-2.24	-35.31	-3.35	-45.84	-26.12	-
262.06												
						20.0	-2.24	-55.36	-3.35	-45.84	-60.17	-
714.12												
8	42	23.58	87.53	-0.05	-40.10	0.0	7.41	-4.78	4.93	103.58	-10.06	23.58
		-472.93	-10.06	-0.04	0.0	10.0	7.41	-24.83	4.93	103.58	38.74	-
124.44												
						20.0	7.41	-44.88	4.93	103.58	87.53	-
472.93												
8	43	5.77	2.87	0.01	-40.10	0.0	-6.01	-13.99	-1.68	-16.21	2.87	5.77
		-678.73	-30.67	7.70e-03	0.0	10.0	-6.01	-34.04	-1.68	-16.21	-13.90	-
236.24												
						20.0	-6.01	-54.09	-1.68	-16.21	-30.67	-
678.73												
8	44	13.29	-0.70	-0.01	-40.10	0.0	-4.05	-11.59	-3.74e-04	14.83	-0.70	13.29
		-623.60	-0.72	-5.10e-03	0.0	10.0	-4.05	-31.64	-3.74e-04	14.83	-0.71	-
204.91												
						20.0	-4.05	-51.69	-3.74e-04	14.83	-0.72	-

623.60												
8	45	1.34	14.25	0.01	-40.10	0.0	2.19	-9.99	0.84	26.45	-2.57	1.34
		-595.35	-2.57	6.51e-03	0.0	10.0	2.19	-30.04	0.84	26.45	5.84	-
196.76												
						20.0	2.19	-50.09	0.84	26.45	14.25	-
595.35												
8	46	8.87	44.21	-9.94e-03	-40.10	0.0	4.15	-7.59	2.52	57.50	-6.14	8.87
		-540.22	-6.14	-6.29e-03	0.0	10.0	4.15	-27.64	2.52	57.50	19.03	-
165.43												
						20.0	4.15	-47.69	2.52	57.50	44.21	-
540.22												
8	47	5.48	3.22	0.01	-40.10	0.0	-6.15	-14.01	-1.82	-18.45	3.22	5.48
		-679.31	-33.25	9.34e-03	0.0	10.0	-6.15	-34.05	-1.82	-18.45	-15.02	-
236.67												
						20.0	-6.15	-54.10	-1.82	-18.45	-33.25	-
679.31												
8	48	13.58	1.86	-0.01	-40.10	0.0	-3.91	-11.57	0.15	17.07	-1.05	13.58
		-623.02	-1.05	-6.75e-03	0.0	10.0	-3.91	-31.62	0.15	17.07	0.41	-
204.48												
						20.0	-3.91	-51.67	0.15	17.07	1.86	-
623.02												
8	49	1.06	11.68	0.01	-40.10	0.0	2.05	-10.01	0.69	24.21	-2.22	1.06
		-595.93	-2.22	8.15e-03	0.0	10.0	2.05	-30.06	0.69	24.21	4.73	-
197.19												
						20.0	2.05	-50.11	0.69	24.21	11.68	-
595.93												
8	50	9.16	46.79	-0.01	-40.10	0.0	4.29	-7.58	2.66	59.74	-6.49	9.16
		-539.64	-6.49	-7.94e-03	0.0	10.0	4.29	-27.63	2.66	59.74	20.15	-
165.00												
						20.0	4.29	-47.67	2.66	59.74	46.79	-
539.64												
8	51	5.53	-1.33	0.01	-40.10	0.0	-11.18	-13.96	-1.40	-16.59	-1.33	5.53
		-677.94	-26.37	0.02	0.0	10.0	-11.18	-34.00	-1.40	-16.59	-13.85	-
235.97												
						20.0	-11.18	-54.05	-1.40	-16.59	-26.37	-
677.94												
8	52	13.06	3.59	-0.01	-40.10	0.0	-9.22	-11.56	0.28	14.46	-4.90	13.06
		-622.81	-4.90	9.30e-03	0.0	10.0	-9.22	-31.60	0.28	14.46	-0.65	-
204.64												
						20.0	-9.22	-51.65	0.28	14.46	3.59	-
622.81												
8	53	1.58	9.94	0.01	-40.10	0.0	7.36	-10.03	0.56	26.83	1.63	1.58
		-596.13	1.63	-7.90e-03	0.0	10.0	7.36	-30.08	0.56	26.83	5.79	-
197.04												
						20.0	7.36	-50.12	0.56	26.83	9.94	-
596.13												
8	54	9.11	39.90	-0.01	-40.10	0.0	9.32	-7.63	2.24	57.87	-1.94	9.11
		-541.00	-1.94	-0.02	0.0	10.0	9.32	-27.67	2.24	57.87	18.98	-
165.71												
						20.0	9.32	-47.72	2.24	57.87	39.90	-
541.00												
8	55	5.24	-0.98	0.01	-40.10	0.0	-11.32	-13.97	-1.54	-18.83	-0.98	5.24
		-678.52	-28.94	0.02	0.0	10.0	-11.32	-34.02	-1.54	-18.83	-14.96	-
236.40												
						20.0	-11.32	-54.07	-1.54	-18.83	-28.94	-
678.52												
8	56	13.34	6.17	-0.01	-40.10	0.0	-9.08	-11.54	0.43	16.70	-5.25	13.34
		-622.24	-5.25	7.65e-03	0.0	10.0	-9.08	-31.59	0.43	16.70	0.46	-
204.21												
						20.0	-9.08	-51.64	0.43	16.70	6.17	-
622.24												
8	57	1.29	7.37	0.01	-40.10	0.0	7.22	-10.04	0.42	24.59	1.98	1.29
		-596.71	1.98	-6.25e-03	0.0	10.0	7.22	-30.09	0.42	24.59	4.67	-
197.47												
						20.0	7.22	-50.14	0.42	24.59	7.37	-
596.71												
8	58	9.39	42.48	-0.01	-40.10	0.0	9.46	-7.61	2.38	60.11	-2.29	9.39
		-540.43	-2.29	-0.02	0.0	10.0	9.46	-27.66	2.38	60.11	20.09	-
165.28												
						20.0	9.46	-47.71	2.38	60.11	42.48	-
540.43												
8	59	-4.56	5.13	0.04	-40.10	0.0	-5.42	-15.39	-2.75	-37.50	5.13	-4.56

		-713.87	-49.90	0.02	0.0	10.0	-5.42	-35.44	-2.75	-37.50	-22.38	-
258.97												
						20.0	-5.42	-55.49	-2.75	-37.50	-49.90	-
713.87												
8	60	20.52	49.96	-0.04	-40.10	0.0	1.09	-7.39	2.84	65.99	-6.77	20.52
		-530.09	-6.77	-0.02	0.0	10.0	1.09	-27.44	2.84	65.99	21.59	-
154.54												
						20.0	1.09	-47.49	2.84	65.99	49.96	-
530.09												
8	61	-5.89	3.50	0.04	-40.10	0.0	-2.95	-14.19	-2.00	-24.70	3.50	-5.89
		-688.85	-36.42	0.02	0.0	10.0	-2.95	-34.24	-2.00	-24.70	-16.46	-
247.13												
						20.0	-2.95	-54.29	-2.00	-24.70	-36.42	-
688.85												
8	62	19.20	63.44	-0.04	-40.10	0.0	3.56	-6.19	3.59	78.79	-8.41	19.20
		-505.08	-8.41	-0.02	0.0	10.0	3.56	-26.24	3.59	78.79	27.52	-
142.70												
						20.0	3.56	-46.29	3.59	78.79	63.44	-
505.08												
8	63	-4.63	3.87	0.04	-40.10	0.0	-6.97	-15.38	-2.67	-37.62	3.87	-4.63
		-713.63	-48.61	0.03	0.0	10.0	-6.97	-35.43	-2.67	-37.62	-22.37	-
258.89												
						20.0	-6.97	-55.48	-2.67	-37.62	-48.61	-
713.63												
8	64	20.45	51.26	-0.04	-40.10	0.0	-0.46	-7.38	2.92	65.88	-8.03	20.45
		-529.86	-8.03	-0.02	0.0	10.0	-0.46	-27.43	2.92	65.88	21.61	-
154.46												
						20.0	-0.46	-47.48	2.92	65.88	51.26	-
529.86												
8	65	-5.82	4.76	0.04	-40.10	0.0	-1.40	-14.20	-2.08	-24.59	4.76	-5.82
		-689.09	-37.72	0.02	0.0	10.0	-1.40	-34.25	-2.08	-24.59	-16.48	-
247.21												
						20.0	-1.40	-54.30	-2.08	-24.59	-37.72	-
689.09												
8	66	19.27	62.15	-0.04	-40.10	0.0	5.11	-6.20	3.51	78.90	-7.15	19.27
		-505.31	-7.15	-0.03	0.0	10.0	5.11	-26.25	3.51	78.90	27.50	-
142.78												
						20.0	5.11	-46.30	3.51	78.90	62.15	-
505.31												
8	67	-5.52	6.30	0.04	-40.10	0.0	-5.88	-15.44	-3.24	-44.96	6.30	-5.52
		-715.79	-58.49	0.03	0.0	10.0	-5.88	-35.49	-3.24	-44.96	-26.10	-
260.41												
						20.0	-5.88	-55.54	-3.24	-44.96	-58.49	-
715.79												
8	68	21.48	58.55	-0.04	-40.10	0.0	1.56	-7.34	3.32	73.45	-7.94	21.48
		-528.17	-7.94	-0.03	0.0	10.0	1.56	-27.39	3.32	73.45	25.31	-
153.11												
						20.0	1.56	-47.43	3.32	73.45	58.55	-
528.17												
8	69	-6.84	4.67	0.04	-40.10	0.0	-3.42	-14.24	-2.48	-32.16	4.67	-6.84
		-690.77	-45.01	0.03	0.0	10.0	-3.42	-34.29	-2.48	-32.16	-20.17	-
248.57												
						20.0	-3.42	-54.34	-2.48	-32.16	-45.01	-
690.77												
8	70	20.15	72.03	-0.04	-40.10	0.0	4.02	-6.14	4.08	86.25	-9.57	20.15
		-503.16	-9.57	-0.03	0.0	10.0	4.02	-26.19	4.08	86.25	31.23	-
141.26												
						20.0	4.02	-46.24	4.08	86.25	72.03	-
503.16												
8	71	-5.59	5.04	0.04	-40.10	0.0	-7.44	-15.43	-3.16	-45.08	5.04	-5.59
		-715.55	-57.20	0.03	0.0	10.0	-7.44	-35.48	-3.16	-45.08	-26.08	-
260.33												
						20.0	-7.44	-55.53	-3.16	-45.08	-57.20	-
715.55												
8	72	21.41	59.85	-0.04	-40.10	0.0	0.01	-7.33	3.41	73.34	-9.20	21.41
		-527.94	-9.20	-0.02	0.0	10.0	0.01	-27.38	3.41	73.34	25.32	-
153.02												
						20.0	0.01	-47.42	3.41	73.34	59.85	-
527.94												
8	73	-6.77	5.93	0.04	-40.10	0.0	-1.87	-14.25	-2.57	-32.05	5.93	-6.77
		-691.01	-46.31	0.02	0.0	10.0	-1.87	-34.30	-2.57	-32.05	-20.19	-
248.65												

						20.0	-1.87	-54.35	-2.57	-32.05	-46.31	-
691.01												
8	74	20.22	70.74	-0.04	-40.10	0.0	5.58	-6.15	4.00	86.36	-8.31	20.22
		-503.39	-8.31	-0.03	0.0	10.0	5.58	-26.20	4.00	86.36	31.21	-
141.34												
						20.0	5.58	-46.25	4.00	86.36	70.74	-
503.39												
8	75	6.04	2.09	8.71e-03	-40.10	0.0	-5.13	-13.44	-1.31	-9.82	2.09	6.04
		-666.82	-24.19	6.48e-03	0.0	10.0	-5.13	-33.49	-1.31	-9.82	-11.05	-
230.15												
						20.0	-5.13	-53.54	-1.31	-9.82	-24.19	-
666.82												
8	76	12.26	0.57	-0.01	-40.10	0.0	-3.51	-11.45	0.07	15.84	-0.86	12.26
		-621.22	-0.86	-4.10e-03	0.0	10.0	-3.51	-31.50	0.07	15.84	-0.15	-
204.24												
						20.0	-3.51	-51.55	0.07	15.84	0.57	-
621.22												
8	77	2.38	12.97	0.01	-40.10	0.0	1.65	-10.13	0.77	25.44	-2.41	2.38
		-597.72	-2.41	5.50e-03	0.0	10.0	1.65	-30.18	0.77	25.44	5.28	-
197.43												
						20.0	1.65	-50.22	0.77	25.44	12.97	-
597.72												
8	78	8.60	37.73	-8.16e-03	-40.10	0.0	3.27	-8.14	2.15	51.10	-5.36	8.60
		-552.13	-5.36	-5.07e-03	0.0	10.0	3.27	-28.19	2.15	51.10	16.18	-
171.53												
						20.0	3.27	-48.24	2.15	51.10	37.73	-
552.13												
8	79	5.80	2.38	9.06e-03	-40.10	0.0	-5.25	-13.45	-1.43	-11.67	2.38	5.80
		-667.29	-26.32	7.84e-03	0.0	10.0	-5.25	-33.50	-1.43	-11.67	-11.97	-
230.50												
						20.0	-5.25	-53.55	-1.43	-11.67	-26.32	-
667.29												
8	80	12.50	2.70	-0.01	-40.10	0.0	-3.40	-11.44	0.19	17.69	-1.15	12.50
		-620.75	-1.15	-5.46e-03	0.0	10.0	-3.40	-31.49	0.19	17.69	0.77	-
203.88												
						20.0	-3.40	-51.54	0.19	17.69	2.70	-
620.75												
8	81	2.14	10.84	0.01	-40.10	0.0	1.54	-10.14	0.65	23.59	-2.12	2.14
		-598.20	-2.12	6.86e-03	0.0	10.0	1.54	-30.19	0.65	23.59	4.36	-
197.79												
						20.0	1.54	-50.24	0.65	23.59	10.84	-
598.20												
8	82	8.83	39.86	-8.51e-03	-40.10	0.0	3.39	-8.13	2.27	52.95	-5.65	8.83
		-551.66	-5.65	-6.44e-03	0.0	10.0	3.39	-28.18	2.27	52.95	17.10	-
171.17												
						20.0	3.39	-48.23	2.27	52.95	39.86	-
551.66												
8	83	5.84	-1.39	0.01	-40.10	0.0	-9.40	-13.41	-1.08	-10.13	-1.39	5.84
		-666.17	-20.63	0.02	0.0	10.0	-9.40	-33.46	-1.08	-10.13	-11.01	-
229.92												
						20.0	-9.40	-53.51	-1.08	-10.13	-20.63	-
666.17												
8	84	12.06	4.13	-8.95e-03	-40.10	0.0	-7.78	-11.43	0.30	15.53	-4.34	12.06
		-620.57	-4.34	7.81e-03	0.0	10.0	-7.78	-31.47	0.30	15.53	-0.11	-
204.01												
						20.0	-7.78	-51.52	0.30	15.53	4.13	-
620.57												
8	85	2.57	9.41	9.49e-03	-40.10	0.0	5.92	-10.16	0.54	25.76	1.07	2.57
		-598.37	1.07	-6.41e-03	0.0	10.0	5.92	-30.20	0.54	25.76	5.24	-
197.66												
						20.0	5.92	-50.25	0.54	25.76	9.41	-
598.37												
8	86	8.79	34.17	-0.01	-40.10	0.0	7.54	-8.17	1.92	51.41	-1.89	8.79
		-552.78	-1.89	-0.02	0.0	10.0	7.54	-28.22	1.92	51.41	16.14	-
171.75												
						20.0	7.54	-48.27	1.92	51.41	34.17	-
552.78												
8	87	5.61	-1.10	0.01	-40.10	0.0	-9.52	-13.43	-1.20	-11.98	-1.10	5.61
		-666.64	-22.76	0.02	0.0	10.0	-9.52	-33.47	-1.20	-11.98	-11.93	-
230.28												
						20.0	-9.52	-53.52	-1.20	-11.98	-22.76	-
666.64												

8	88	12.30	6.26	-9.30e-03	-40.10	0.0	-7.67	-11.41	0.42	17.38	-4.63	12.30
		-620.10	-4.63	6.45e-03	0.0	10.0	-7.67	-31.46	0.42	17.38	0.81	-
203.66												
						20.0	-7.67	-51.51	0.42	17.38	6.26	-
620.10												
8	89	2.33	7.28	9.84e-03	-40.10	0.0	5.81	-10.17	0.42	23.91	1.36	2.33
		-598.85	1.36	-5.05e-03	0.0	10.0	5.81	-30.22	0.42	23.91	4.32	-
198.02												
						20.0	5.81	-50.27	0.42	23.91	7.28	-
598.85												
8	90	9.03	36.30	-0.01	-40.10	0.0	7.66	-8.16	2.04	53.26	-2.18	9.03
		-552.30	-2.18	-0.02	0.0	10.0	7.66	-28.21	2.04	53.26	17.06	-
171.40												
						20.0	7.66	-48.25	2.04	53.26	36.30	-
552.30												
8	91	-2.50	3.96	0.03	-40.10	0.0	-4.64	-14.60	-2.20	-27.41	3.96	-2.50
		-695.83	-40.07	0.02	0.0	10.0	-4.64	-34.65	-2.20	-27.41	-18.06	-
248.92												
						20.0	-4.64	-54.69	-2.20	-27.41	-40.07	-
695.83												
8	92	18.23	42.46	-0.03	-40.10	0.0	0.75	-7.98	2.42	58.12	-5.88	18.23
		-543.85	-5.88	-0.02	0.0	10.0	0.75	-28.03	2.42	58.12	18.29	-
162.57												
						20.0	0.75	-48.07	2.42	58.12	42.46	-
543.85												
8	93	-3.60	2.61	0.03	-40.10	0.0	-2.61	-13.60	-1.58	-16.83	2.61	-3.60
		-675.10	-28.92	0.02	0.0	10.0	-2.61	-33.65	-1.58	-16.83	-13.16	-
239.11												
						20.0	-2.61	-53.70	-1.58	-16.83	-28.92	-
675.10												
8	94	17.13	53.61	-0.03	-40.10	0.0	2.78	-6.98	3.04	68.69	-7.23	17.13
		-523.12	-7.23	-0.02	0.0	10.0	2.78	-27.03	3.04	68.69	23.19	-
152.75												
						20.0	2.78	-47.08	3.04	68.69	53.61	-
523.12												
8	95	-2.56	2.92	0.03	-40.10	0.0	-5.92	-14.59	-2.13	-27.50	2.92	-2.56
		-695.63	-39.00	0.02	0.0	10.0	-5.92	-34.64	-2.13	-27.50	-18.04	-
248.85												
						20.0	-5.92	-54.69	-2.13	-27.50	-39.00	-
695.63												
8	96	18.17	43.53	-0.03	-40.10	0.0	-0.53	-7.97	2.49	58.02	-6.92	18.17
		-543.65	-6.92	-0.01	0.0	10.0	-0.53	-28.02	2.49	58.02	18.30	-
162.50												
						20.0	-0.53	-48.07	2.49	58.02	43.53	-
543.65												
8	97	-3.54	3.65	0.03	-40.10	0.0	-1.33	-13.61	-1.65	-16.74	3.65	-3.54
		-675.29	-29.99	0.01	0.0	10.0	-1.33	-33.66	-1.65	-16.74	-13.17	-
239.18												
						20.0	-1.33	-53.71	-1.65	-16.74	-29.99	-
675.29												
8	98	17.19	52.54	-0.03	-40.10	0.0	4.06	-6.99	2.97	68.79	-6.19	17.19
		-523.32	-6.19	-0.02	0.0	10.0	4.06	-27.04	2.97	68.79	23.18	-
152.82												
						20.0	4.06	-47.09	2.97	68.79	52.54	-
523.32												
8	99	-3.29	4.92	0.03	-40.10	0.0	-5.03	-14.64	-2.60	-33.58	4.92	-3.29
		-697.41	-47.17	0.02	0.0	10.0	-5.03	-34.69	-2.60	-33.58	-21.12	-
250.11												
						20.0	-5.03	-54.74	-2.60	-33.58	-47.17	-
697.41												
8	100	19.02	49.56	-0.03	-40.10	0.0	1.14	-7.94	2.82	64.28	-6.84	19.02
		-542.26	-6.84	-0.02	0.0	10.0	1.14	-27.98	2.82	64.28	21.36	-
161.38												
						20.0	1.14	-48.03	2.82	64.28	49.56	-
542.26												
8	101	-4.39	3.57	0.03	-40.10	0.0	-3.00	-13.65	-1.98	-23.00	3.57	-4.39
		-676.69	-36.02	0.02	0.0	10.0	-3.00	-33.69	-1.98	-23.00	-16.22	-
240.30												
						20.0	-3.00	-53.74	-1.98	-23.00	-36.02	-
676.69												
8	102	17.92	60.71	-0.03	-40.10	0.0	3.17	-6.94	3.44	74.86	-8.19	17.92
		-521.53	-8.19	-0.02	0.0	10.0	3.17	-26.99	3.44	74.86	26.26	-

151.56												
						20.0	3.17	-47.04	3.44	74.86	60.71	-
521.53												
8	103	-3.35	3.88	0.03	-40.10	0.0	-6.31	-14.63	-2.53	-33.67	3.88	-3.35
		-697.22	-46.10	0.03	0.0	10.0	-6.31	-34.68	-2.53	-33.67	-21.11	-
250.04												
						20.0	-6.31	-54.73	-2.53	-33.67	-46.10	-
697.22												
8	104	18.96	50.63	-0.03	-40.10	0.0	-0.15	-7.93	2.89	64.19	-7.89	18.96
		-542.07	-7.89	-0.02	0.0	10.0	-0.15	-27.98	2.89	64.19	21.37	-
161.31												
						20.0	-0.15	-48.02	2.89	64.19	50.63	-
542.07												
8	105	-4.33	4.62	0.03	-40.10	0.0	-1.71	-13.65	-2.05	-22.90	4.62	-4.33
		-676.88	-37.09	0.02	0.0	10.0	-1.71	-33.70	-2.05	-22.90	-16.24	-
240.36												
						20.0	-1.71	-53.75	-2.05	-22.90	-37.09	-
676.88												
8	106	17.98	59.64	-0.03	-40.10	0.0	4.45	-6.95	3.38	74.95	-7.15	17.98
		-521.73	-7.15	-0.03	0.0	10.0	4.45	-27.00	3.38	74.95	26.24	-
151.63												
						20.0	4.45	-47.05	3.38	74.95	59.64	-
521.73												
9	1	128.67	4.05	6.05e-03	-8.54	0.0	1.72	7.13	-0.07	0.07	4.05	-22.99
		-22.99	0.67	8.30e-04	0.0	25.5	1.72	2.86	-0.07	0.07	2.36	104.35
						51.0	1.72	-1.41	-0.07	0.07	0.67	122.86
9	2	1600.52	21.78	0.03	-8.54	0.0	9.07	-24.24	-0.37	0.98	21.78	
1600.52												
		146.49	2.80	2.81e-03	0.0	25.5	9.07	-28.51	-0.37	0.98	12.29	927.92
						51.0	9.07	-32.78	-0.37	0.98	2.80	146.49
9	3	94.97	2.78	4.13e-03	-6.57	0.0	1.18	6.07	-0.05	0.04	2.78	-48.32
		-48.32	0.48	6.01e-04	0.0	25.5	1.18	2.79	-0.05	0.04	1.63	64.73
						51.0	1.18	-0.49	-0.05	0.04	0.48	94.06
9	4	1575.19	20.51	0.03	-6.57	0.0	8.54	-25.30	-0.35	0.94	20.51	
1575.19												
		117.69	2.60	2.58e-03	0.0	25.5	8.54	-28.58	-0.35	0.94	11.56	888.29
						51.0	8.54	-31.86	-0.35	0.94	2.60	117.69
9	5	96.96	2.97	4.43e-03	-6.57	0.0	1.26	5.74	-0.05	0.05	2.97	-31.01
		-31.01	0.50	6.22e-04	0.0	25.5	1.26	2.46	-0.05	0.05	1.73	73.51
						51.0	1.26	-0.83	-0.05	0.05	0.50	94.32
9	6	1051.33	14.79	0.02	-6.57	0.0	6.16	-15.17	-0.25	0.65	14.79	
1051.33												
		110.07	1.92	1.94e-03	0.0	25.5	6.16	-18.46	-0.25	0.65	8.35	622.56
						51.0	6.16	-21.74	-0.25	0.65	1.92	110.07
9	7	96.96	2.97	4.43e-03	-6.57	0.0	1.26	5.74	-0.05	0.05	2.97	-31.01
		-31.01	0.50	6.22e-04	0.0	25.5	1.26	2.46	-0.05	0.05	1.73	73.51
						51.0	1.26	-0.83	-0.05	0.05	0.50	94.32
9	8	726.63	11.24	0.02	-6.57	0.0	4.69	-8.90	-0.19	0.47	11.24	726.63
		105.34	1.49	1.55e-03	0.0	25.5	4.69	-12.18	-0.19	0.47	6.37	457.84
						51.0	4.69	-15.47	-0.19	0.47	1.49	105.34
9	9	96.96	2.97	4.43e-03	-6.57	0.0	1.26	5.74	-0.05	0.05	2.97	-31.01
		-31.01	0.50	6.22e-04	0.0	25.5	1.26	2.46	-0.05	0.05	1.73	73.51
						51.0	1.26	-0.83	-0.05	0.05	0.50	94.32
9	10	618.40	10.06	0.02	-6.57	0.0	4.20	-6.81	-0.17	0.41	10.06	618.40
		103.77	1.35	1.41e-03	0.0	25.5	4.20	-10.09	-0.17	0.41	5.70	402.94
						51.0	4.20	-13.37	-0.17	0.41	1.35	103.77
9	11	1.446e+04	45.83	-0.01	-6.57	0.0	33.66	-277.68	0.85	-5.25	45.83	
1.446e+04												
		180.73	20.53	-1.39e-03	0.0	25.5	33.66	-280.96	0.85	-5.25	33.18	
7362.84												
						51.0	33.66	-284.25	0.85	-5.25	20.53	180.73
9	12	1.782e+04	59.96	-0.07	-6.57	0.0	17.54	-343.42	0.55	-0.49	59.96	
1.782e+04												
		94.31	13.44	-0.01	0.0	25.5	17.54	-346.70	0.55	-0.49	36.70	
8996.56												
						51.0	17.54	-349.99	0.55	-0.49	13.44	94.31
9	13	113.22	-10.74	0.10	-6.57	0.0	-9.13	329.80	-0.90	1.31	-39.85	-
1.658e+04												
		-1.658e+04	-39.85	0.01	0.0	25.5	-9.13	326.52	-0.90	1.31	-25.29	-
8190.69												
						51.0	-9.13	323.24	-0.90	1.31	-10.74	113.22
9	14	26.80	-17.82	0.05	-6.57	0.0	-25.26	264.06	-1.19	6.07	-25.72	-

1.322e+04													
		-1.322e+04	-25.72	4.22e-03	0.0	25.5	-25.26	260.78	-1.19	6.07	-21.77	-	
6556.96													
						51.0	-25.26	257.50	-1.19	6.07	-17.82	26.80	
9	15	1.418e+04	43.73	-0.03	-6.57	0.0	32.69	-272.39	0.90	-5.30	43.73		
1.418e+04													
		181.82	21.68	-1.55e-03	0.0	25.5	32.69	-275.68	0.90	-5.30	32.71		
7223.84													
						51.0	32.69	-278.96	0.90	-5.30	21.68	181.82	
9	16	1.809e+04	62.07	-0.06	-6.57	0.0	18.52	-348.71	0.50	-0.44	62.07		
1.809e+04													
		93.22	12.28	-0.01	0.0	25.5	18.52	-351.99	0.50	-0.44	37.18		
9135.56													
						51.0	18.52	-355.27	0.50	-0.44	12.28	93.22	
9	17	114.31	-9.58	0.09	-6.57	0.0	-10.11	335.09	-0.84	1.26	-41.95	-	
1.686e+04													
		-1.686e+04	-41.95	0.01	0.0	25.5	-10.11	331.81	-0.84	1.26	-25.77	-	
8329.69													
						51.0	-10.11	328.52	-0.84	1.26	-9.58	114.31	
9	18	25.71	-18.98	0.06	-6.57	0.0	-24.28	258.78	-1.24	6.12	-23.61	-	
1.295e+04													
		-1.295e+04	-23.61	4.38e-03	0.0	25.5	-24.28	255.50	-1.24	6.12	-21.30	-	
6417.96													
						51.0	-24.28	252.21	-1.24	6.12	-18.98	25.71	
9	19	1.443e+04	48.83	-0.01	-6.57	0.0	32.10	-277.00	0.88	-4.99	48.83		
1.443e+04													
		178.85	16.44	-1.40e-03	0.0	25.5	32.10	-280.28	0.88	-4.99	32.63		
7344.27													
						51.0	32.10	-283.56	0.88	-4.99	16.44	178.85	
9	20	1.778e+04	62.96	-0.07	-6.57	0.0	15.98	-342.74	0.59	-0.23	62.96		
1.778e+04													
		92.44	9.35	-0.01	0.0	25.5	15.98	-346.02	0.59	-0.23	36.15		
8977.99													
						51.0	15.98	-349.30	0.59	-0.23	9.35	92.44	
9	21	115.09	-6.65	0.10	-6.57	0.0	-7.57	329.12	-0.93	1.05	-42.84	-	
1.654e+04													
		-1.654e+04	-42.84	0.01	0.0	25.5	-7.57	325.84	-0.93	1.05	-24.74	-	
8172.12													
						51.0	-7.57	322.56	-0.93	1.05	-6.65	115.09	
9	22	28.68	-13.74	0.05	-6.57	0.0	-23.70	263.38	-1.22	5.81	-28.71	-	
1.319e+04													
		-1.319e+04	-28.71	4.23e-03	0.0	25.5	-23.70	260.10	-1.22	5.81	-21.22	-	
6538.39													
						51.0	-23.70	256.81	-1.22	5.81	-13.74	28.68	
9	23	1.415e+04	46.72	-0.03	-6.57	0.0	31.13	-271.71	0.93	-5.04	46.72		
1.415e+04													
		179.95	17.60	-1.56e-03	0.0	25.5	31.13	-274.99	0.93	-5.04	32.16		
7205.27													
						51.0	31.13	-278.28	0.93	-5.04	17.60	179.95	
9	24	1.806e+04	65.06	-0.06	-6.57	0.0	16.95	-348.02	0.53	-0.18	65.06		
1.806e+04													
		91.35	8.19	-0.01	0.0	25.5	16.95	-351.30	0.53	-0.18	36.63		
9116.99													
						51.0	16.95	-354.59	0.53	-0.18	8.19	91.35	
9	25	116.19	-5.49	0.09	-6.57	0.0	-8.55	334.41	-0.87	1.00	-44.95	-	
1.682e+04													
		-1.682e+04	-44.95	0.01	0.0	25.5	-8.55	331.12	-0.87	1.00	-25.22	-	
8311.12													
						51.0	-8.55	327.84	-0.87	1.00	-5.49	116.19	
9	26	27.58	-14.90	0.06	-6.57	0.0	-22.72	258.10	-1.28	5.86	-26.60	-	
1.291e+04													
		-1.291e+04	-26.60	4.39e-03	0.0	25.5	-22.72	254.81	-1.28	5.86	-20.75	-	
6399.39													
						51.0	-22.72	251.53	-1.28	5.86	-14.90	27.58	
9	27	257.92	17.85	0.10	-6.57	0.0	37.49	11.64	0.58	-8.51	-0.64	-	
315.44													
		-315.44	-0.64	0.01	0.0	25.5	37.49	8.35	0.58	-8.51	8.61	13.09	
						51.0	37.49	5.07	0.58	-8.51	17.85	257.92	
9	28	1.086e+04	46.46	-0.10	-6.57	0.0	-16.25	-207.50	-0.40	7.36	46.46		
1.086e+04													
		-30.13	-5.77	-0.02	0.0	25.5	-16.25	-210.78	-0.40	7.36	20.34		
5458.84													

						51.0	-16.25	-214.06	-0.40	7.36	-5.77	-30.13
9	29	237.66	8.47	0.13	-6.57	0.0	24.65	193.88	0.06	-6.55	-26.34	-9627.31
		-9627.31	-26.34	0.02	0.0	25.5	24.65	190.60	0.06	-6.55	-8.93	-4652.96
						51.0	24.65	187.32	0.06	-6.55	8.47	237.66
9	30	1552.24	20.76	-0.06	-6.57	0.0	-29.09	-25.25	-0.92	9.33	20.76	1552.24
		-50.39	-15.15	-0.01	0.0	25.5	-29.09	-28.54	-0.92	9.33	2.80	792.78
						51.0	-29.09	-31.82	-0.92	9.33	-15.15	-50.39
9	31	257.35	16.63	0.10	-6.57	0.0	37.02	11.84	0.59	-8.44	0.26	-326.02
		-326.02	0.26	0.01	0.0	25.5	37.02	8.56	0.59	-8.44	8.44	7.52
						51.0	37.02	5.28	0.59	-8.44	16.63	257.35
9	32	1.085e+04	47.36	-0.10	-6.57	0.0	-16.71	-207.29	-0.39	7.44	47.36	1.085e+04
		-30.70	-7.00	-0.02	0.0	25.5	-16.71	-210.58	-0.39	7.44	20.18	5453.27
						51.0	-16.71	-213.86	-0.39	7.44	-7.00	-30.70
9	33	238.23	9.70	0.13	-6.57	0.0	25.12	193.68	0.05	-6.62	-27.24	-9616.73
		-9616.73	-27.24	0.02	0.0	25.5	25.12	190.39	0.05	-6.62	-8.77	-4647.39
						51.0	25.12	187.11	0.05	-6.62	9.70	238.23
9	34	1562.82	19.86	-0.06	-6.57	0.0	-28.62	-25.46	-0.93	9.25	19.86	1562.82
		-49.82	-13.93	-0.01	0.0	25.5	-28.62	-28.74	-0.93	9.25	2.97	798.35
						51.0	-28.62	-32.02	-0.93	9.25	-13.93	-49.82
9	35	261.56	21.72	0.05	-6.57	0.0	34.24	29.25	0.76	-8.69	-7.67	-1245.75
		-1245.75	-7.67	0.01	0.0	25.5	34.24	25.97	0.76	-8.69	7.03	-450.24
						51.0	34.24	22.69	0.76	-8.69	21.72	261.56
9	36	1.179e+04	53.49	-0.05	-6.57	0.0	-13.00	-225.11	-0.58	7.54	53.49	1.179e+04
		-33.78	-9.64	-0.02	0.0	25.5	-13.00	-228.40	-0.58	7.54	21.92	5922.17
						51.0	-13.00	-231.68	-0.58	7.54	-9.64	-33.78
9	37	241.31	12.34	0.08	-6.57	0.0	21.40	211.50	0.24	-6.72	-33.37	-1.056e+04
		-1.056e+04	-33.37	0.02	0.0	25.5	21.40	208.22	0.24	-6.72	-10.52	-5116.29
						51.0	21.40	204.93	0.24	-6.72	12.34	241.31
9	38	2482.54	27.78	-0.01	-6.57	0.0	-25.84	-42.87	-1.10	9.50	27.78	2482.54
		-54.03	-19.02	-0.01	0.0	25.5	-25.84	-46.15	-1.10	9.50	4.38	1256.11
						51.0	-25.84	-49.43	-1.10	9.50	-19.02	-54.03
9	39	261.00	20.49	0.05	-6.57	0.0	33.77	29.46	0.77	-8.61	-6.77	-1256.33
		-1256.33	-6.77	0.01	0.0	25.5	33.77	26.18	0.77	-8.61	6.86	-455.81
						51.0	33.77	22.89	0.77	-8.61	20.49	261.00
9	40	1.178e+04	54.39	-0.05	-6.57	0.0	-13.47	-224.91	-0.57	7.61	54.39	1.178e+04
		-34.34	-10.87	-0.02	0.0	25.5	-13.47	-228.19	-0.57	7.61	21.76	5916.60
						51.0	-13.47	-231.47	-0.57	7.61	-10.87	-34.34
9	41	241.87	13.57	0.08	-6.57	0.0	21.87	211.29	0.23	-6.80	-34.27	-1.055e+04
		-1.055e+04	-34.27	0.02	0.0	25.5	21.87	208.01	0.23	-6.80	-10.35	-5110.72
						51.0	21.87	204.73	0.23	-6.80	13.57	241.87
9	42	2493.12	26.89	-0.01	-6.57	0.0	-25.37	-43.07	-1.11	9.43	26.89	2493.12
		-53.47	-17.79	-0.01	0.0	25.5	-25.37	-46.36	-1.11	9.43	4.55	1261.68
						51.0	-25.37	-49.64	-1.11	9.43	-17.79	-53.47
9	43	1.158e+04	38.25	-7.49e-03	-6.57	0.0	27.34	-221.26	0.62	-4.06	38.25	1.158e+04
		164.16	15.96	-7.90e-04	0.0	25.5	27.34	-224.54	0.62	-4.06	27.11	5912.91

						51.0	27.34	-227.83	0.62	-4.06	15.96	164.16	
9	44	1.422e+04	49.25	-0.05	-6.57	0.0	14.60	-272.98	0.40	-0.29	49.25		
1.422e+04													
		95.71	10.71	-8.24e-03	0.0	25.5	14.60	-276.26	0.40	-0.29	29.98		
7197.97													
						51.0	14.60	-279.55	0.40	-0.29	10.71	95.71	
9	45	111.82	-8.00	0.09	-6.57	0.0	-6.19	259.36	-0.74	1.11	-29.14	-	
1.298e+04													
		-1.298e+04	-29.14	0.01	0.0	25.5	-6.19	256.08	-0.74	1.11	-18.57	-	
6392.09													
						51.0	-6.19	252.80	-0.74	1.11	-8.00	111.82	
9	46	43.37	-13.26	0.04	-6.57	0.0	-18.93	207.65	-0.96	4.88	-18.13	-	
1.034e+04													
		-1.034e+04	-18.13	3.62e-03	0.0	25.5	-18.93	204.36	-0.96	4.88	-15.70	-	
5107.04													
						51.0	-18.93	201.08	-0.96	4.88	-13.26	43.37	
9	47	1.136e+04	36.61	-0.02	-6.57	0.0	26.56	-217.07	0.66	-4.10	36.61		
1.136e+04													
		165.02	16.79	-9.21e-04	0.0	25.5	26.56	-220.35	0.66	-4.10	26.70		
5802.57													
						51.0	26.56	-223.63	0.66	-4.10	16.79	165.02	
9	48	1.444e+04	50.89	-0.04	-6.57	0.0	15.37	-277.17	0.36	-0.25	50.89		
1.444e+04													
		94.85	9.88	-8.11e-03	0.0	25.5	15.37	-280.46	0.36	-0.25	30.39		
7308.31													
						51.0	15.37	-283.74	0.36	-0.25	9.88	94.85	
9	49	112.68	-7.18	0.07	-6.57	0.0	-6.97	263.56	-0.70	1.07	-30.78	-	
1.320e+04													
		-1.320e+04	-30.78	0.01	0.0	25.5	-6.97	260.28	-0.70	1.07	-18.98	-	
6502.44													
						51.0	-6.97	256.99	-0.70	1.07	-7.18	112.68	
9	50	42.51	-14.08	0.05	-6.57	0.0	-18.15	203.45	-1.00	4.92	-16.50	-	
1.012e+04													
		-1.012e+04	-16.50	3.75e-03	0.0	25.5	-18.15	200.17	-1.00	4.92	-15.29	-	
4996.69													
						51.0	-18.15	196.88	-1.00	4.92	-14.08	42.51	
9	51	1.154e+04	40.71	-7.59e-03	-6.57	0.0	26.07	-220.61	0.65	-3.85	40.71		
1.154e+04													
		162.71	12.76	-8.05e-04	0.0	25.5	26.07	-223.89	0.65	-3.85	26.74		
5895.38													
						51.0	26.07	-227.17	0.65	-3.85	12.76	162.71	
9	52	1.418e+04	51.71	-0.05	-6.57	0.0	13.33	-272.33	0.43	-0.08	51.71		
1.418e+04													
		94.26	7.51	-8.25e-03	0.0	25.5	13.33	-275.61	0.43	-0.08	29.61		
7180.43													
						51.0	13.33	-278.89	0.43	-0.08	7.51	94.26	
9	53	113.27	-4.81	0.09	-6.57	0.0	-4.92	258.71	-0.77	0.90	-31.59	-	
1.295e+04													
		-1.295e+04	-31.59	0.01	0.0	25.5	-4.92	255.43	-0.77	0.90	-18.20	-	
6374.56													
						51.0	-4.92	252.15	-0.77	0.90	-4.81	113.27	
9	54	44.82	-10.06	0.04	-6.57	0.0	-17.66	206.99	-0.99	4.67	-20.59	-	
1.031e+04													
		-1.031e+04	-20.59	3.63e-03	0.0	25.5	-17.66	203.71	-0.99	4.67	-15.33	-	
5089.50													
						51.0	-17.66	200.43	-0.99	4.67	-10.06	44.82	
9	55	1.132e+04	39.07	-0.02	-6.57	0.0	25.29	-216.41	0.69	-3.89	39.07		
1.132e+04													
		163.57	13.59	-9.36e-04	0.0	25.5	25.29	-219.70	0.69	-3.89	26.33		
5785.03													
						51.0	25.29	-222.98	0.69	-3.89	13.59	163.57	
9	56	1.440e+04	53.35	-0.04	-6.57	0.0	14.11	-276.52	0.39	-0.04	53.35		
1.440e+04													
		93.40	6.68	-8.12e-03	0.0	25.5	14.11	-279.81	0.39	-0.04	30.02		
7290.78													
						51.0	14.11	-283.09	0.39	-0.04	6.68	93.40	
9	57	114.13	-3.98	0.07	-6.57	0.0	-5.70	262.91	-0.73	0.86	-33.23	-	
1.317e+04													
		-1.317e+04	-33.23	0.01	0.0	25.5	-5.70	259.62	-0.73	0.86	-18.61	-	
6484.90													
						51.0	-5.70	256.34	-0.73	0.86	-3.98	114.13	
9	58	43.96	-10.89	0.05	-6.57	0.0	-16.88	202.80	-1.03	4.71	-18.95	-	

1.009e+04												
		-1.009e+04	-18.95	3.77e-03	0.0	25.5	-16.88	199.52	-1.03	4.71	-14.92	-
4979.16												
						51.0	-16.88	196.23	-1.03	4.71	-10.89	43.96
9	59	225.70	13.70	0.08	-6.57	0.0	30.47	7.30	0.40	-6.66	1.83	-95.56
		-95.56	1.83	0.01	0.0	25.5	30.47	4.01	0.40	-6.66	7.77	106.93
						51.0	30.47	0.73	0.40	-6.66	13.70	225.70
9	60	8699.66	38.51	-0.08	-6.57	0.0	-12.00	-165.10	-0.34	5.92	38.51	
8699.66												
		-2.47	-3.81	-0.01	0.0	25.5	-12.00	-168.38	-0.34	5.92	17.35	
4390.45												
						51.0	-12.00	-171.67	-0.34	5.92	-3.81	-2.47
9	61	210.00	6.51	0.11	-6.57	0.0	20.41	151.48	-6.46e-03	-5.10	-18.39	-
7462.86												
		-7462.86	-18.39	0.02	0.0	25.5	20.41	148.20	-6.46e-03	-5.10	-5.94	-
3584.58												
						51.0	20.41	144.92	-6.46e-03	-5.10	6.51	210.00
9	62	1332.35	18.29	-0.05	-6.57	0.0	-22.06	-20.91	-0.74	7.47	18.29	
1332.35												
		-18.17	-11.00	-9.22e-03	0.0	25.5	-22.06	-24.19	-0.74	7.47	3.64	698.95
						51.0	-22.06	-27.48	-0.74	7.47	-11.00	-18.17
9	63	225.26	12.74	0.08	-6.57	0.0	30.09	7.49	0.41	-6.59	2.57	-
105.65												
		-105.65	2.57	0.01	0.0	25.5	30.09	4.21	0.41	-6.59	7.66	101.67
						51.0	30.09	0.93	0.41	-6.59	12.74	225.26
9	64	8689.57	39.24	-0.08	-6.57	0.0	-12.38	-164.90	-0.33	5.99	39.24	
8689.57												
		-2.90	-4.77	-0.01	0.0	25.5	-12.38	-168.19	-0.33	5.99	17.24	
4385.19												
						51.0	-12.38	-171.47	-0.33	5.99	-4.77	-2.90
9	65	210.43	7.47	0.11	-6.57	0.0	20.79	151.29	-0.02	-5.17	-19.12	-
7452.78												
		-7452.78	-19.12	0.02	0.0	25.5	20.79	148.01	-0.02	-5.17	-5.83	-
3579.32												
						51.0	20.79	144.72	-0.02	-5.17	7.47	210.43
9	66	1342.44	17.55	-0.05	-6.57	0.0	-21.68	-21.11	-0.75	7.41	17.55	
1342.44												
		-17.73	-10.04	-9.21e-03	0.0	25.5	-21.68	-24.39	-0.75	7.41	3.75	704.21
						51.0	-21.68	-27.67	-0.75	7.41	-10.04	-17.73
9	67	228.57	16.46	0.04	-6.57	0.0	27.87	21.28	0.53	-6.79	-3.63	-
834.06												
		-834.06	-3.63	0.01	0.0	25.5	27.87	18.00	0.53	-6.79	6.41	-
260.89												
						51.0	27.87	14.71	0.53	-6.79	16.46	228.57
9	68	9438.16	43.97	-0.04	-6.57	0.0	-9.41	-179.08	-0.47	6.06	43.97	
9438.16												
		-5.33	-6.56	-0.01	0.0	25.5	-9.41	-182.37	-0.47	6.06	18.70	
4758.27												
						51.0	-9.41	-185.65	-0.47	6.06	-6.56	-5.33
9	69	212.86	9.27	0.07	-6.57	0.0	17.81	165.47	0.12	-5.24	-23.85	-
8201.36												
		-8201.36	-23.85	0.02	0.0	25.5	17.81	162.18	0.12	-5.24	-7.29	-
3952.39												
						51.0	17.81	158.90	0.12	-5.24	9.27	212.86
9	70	2070.85	23.75	-8.88e-03	-6.57	0.0	-19.46	-34.90	-0.87	7.61	23.75	
2070.85												
		-21.04	-13.75	-8.78e-03	0.0	25.5	-19.46	-38.18	-0.87	7.61	5.00	
1066.77												
						51.0	-19.46	-41.46	-0.87	7.61	-13.75	-21.04
9	71	228.13	15.50	0.04	-6.57	0.0	27.49	21.48	0.54	-6.73	-2.90	-
844.15												
		-844.15	-2.90	0.01	0.0	25.5	27.49	18.19	0.54	-6.73	6.30	-
266.15												
						51.0	27.49	14.91	0.54	-6.73	15.50	228.13
9	72	9428.07	44.70	-0.04	-6.57	0.0	-9.79	-178.89	-0.46	6.12	44.70	
9428.07												
		-5.77	-7.52	-0.01	0.0	25.5	-9.79	-182.17	-0.46	6.12	18.59	
4753.01												
						51.0	-9.79	-185.45	-0.46	6.12	-7.52	-5.77
9	73	213.30	10.22	0.07	-6.57	0.0	18.19	165.27	0.12	-5.30	-24.59	-
8191.28												
		-8191.28	-24.59	0.02	0.0	25.5	18.19	161.99	0.12	-5.30	-7.18	-

3947.13												
						51.0	18.19	158.71	0.12	-5.30	10.22	213.30
9	74	2080.94	23.01	-8.85e-03	-6.57	0.0	-19.08	-35.09	-0.88	7.55	23.01	
2080.94												
		-20.60	-12.80	-8.78e-03	0.0	25.5	-19.08	-38.37	-0.88	7.55	5.11	
1072.03												
						51.0	-19.08	-41.66	-0.88	7.55	-12.80	-20.60
9	75	9681.39	33.37	-3.54e-03	-6.57	0.0	23.38	-184.15	0.48	-3.29	33.37	
9681.39												
		153.71	13.48	-4.08e-04	0.0	25.5	23.38	-187.43	0.48	-3.29	23.42	
4959.41												
						51.0	23.38	-190.72	0.48	-3.29	13.48	153.71
9	76	1.186e+04	42.47	-0.04	-6.57	0.0	12.85	-226.92	0.30	-0.17	42.47	
1.186e+04												
		97.14	9.12	-6.56e-03	0.0	25.5	12.85	-230.20	0.30	-0.17	25.79	
6022.04												
						51.0	12.85	-233.48	0.30	-0.17	9.12	97.14
9	77	110.39	-6.41	0.07	-6.57	0.0	-4.44	213.30	-0.64	0.99	-22.35	-
1.063e+04												
		-1.063e+04	-22.35	9.39e-03	0.0	25.5	-4.44	210.02	-0.64	0.99	-14.38	-
5216.16												
						51.0	-4.44	206.73	-0.64	0.99	-6.41	110.39
9	78	53.82	-10.77	0.03	-6.57	0.0	-14.97	170.53	-0.82	4.11	-13.25	-
8444.59												
		-8444.59	-13.25	3.24e-03	0.0	25.5	-14.97	167.25	-0.82	4.11	-12.01	-
4153.53												
						51.0	-14.97	163.97	-0.82	4.11	-10.77	53.82
9	79	9498.28	32.01	-0.01	-6.57	0.0	22.74	-180.68	0.51	-3.33	32.01	
9498.28												
		154.42	14.16	-5.16e-04	0.0	25.5	22.74	-183.97	0.51	-3.33	23.09	
4868.21												
						51.0	22.74	-187.25	0.51	-3.33	14.16	154.42
9	80	1.205e+04	43.83	-0.03	-6.57	0.0	13.49	-230.38	0.27	-0.14	43.83	
1.205e+04												
		96.43	8.43	-6.45e-03	0.0	25.5	13.49	-233.67	0.27	-0.14	26.13	
6113.24												
						51.0	13.49	-236.95	0.27	-0.14	8.43	96.43
9	81	111.10	-5.73	0.06	-6.57	0.0	-5.08	216.77	-0.61	0.96	-23.71	-
1.081e+04												
		-1.081e+04	-23.71	9.28e-03	0.0	25.5	-5.08	213.48	-0.61	0.96	-14.72	-
5307.36												
						51.0	-5.08	210.20	-0.61	0.96	-5.73	111.10
9	82	53.11	-11.46	0.04	-6.57	0.0	-14.33	167.07	-0.86	4.14	-11.90	-
8261.48												
		-8261.48	-11.90	3.35e-03	0.0	25.5	-14.33	163.78	-0.86	4.14	-11.68	-
4062.33												
						51.0	-14.33	160.50	-0.86	4.14	-11.46	53.11
9	83	9652.78	35.39	-3.61e-03	-6.57	0.0	22.32	-183.59	0.51	-3.12	35.39	
9652.78												
		152.51	10.83	-4.20e-04	0.0	25.5	22.32	-186.88	0.51	-3.12	23.11	
4944.50												
						51.0	22.32	-190.16	0.51	-3.12	10.83	152.51
9	84	1.183e+04	44.49	-0.04	-6.57	0.0	11.79	-226.36	0.32	2.01e-03	44.49	
1.183e+04												
		95.94	6.46	-6.57e-03	0.0	25.5	11.79	-229.64	0.32	2.01e-03	25.48	
6007.13												
						51.0	11.79	-232.93	0.32	2.01e-03	6.46	95.94
9	85	111.59	-3.76	0.07	-6.57	0.0	-3.38	212.74	-0.66	0.82	-24.38	-
1.060e+04												
		-1.060e+04	-24.38	9.40e-03	0.0	25.5	-3.38	209.46	-0.66	0.82	-14.07	-
5201.25												
						51.0	-3.38	206.18	-0.66	0.82	-3.76	111.59
9	86	55.02	-8.12	0.03	-6.57	0.0	-13.91	169.98	-0.85	3.94	-15.28	-
8415.98												
		-8415.98	-15.28	3.25e-03	0.0	25.5	-13.91	166.70	-0.85	3.94	-11.70	-
4138.62												
						51.0	-13.91	163.41	-0.85	3.94	-8.12	55.02
9	87	9469.66	34.04	-0.01	-6.57	0.0	21.68	-180.13	0.54	-3.15	34.04	
9469.66												
		153.22	11.51	-5.27e-04	0.0	25.5	21.68	-183.41	0.54	-3.15	22.77	
4853.30												
						51.0	21.68	-186.69	0.54	-3.15	11.51	153.22

9	88	1.202e+04	45.85	-0.03	-6.57	0.0	12.43	-229.83	0.29	0.04	45.85	1.202e+04
		95.23	5.78	-6.46e-03	0.0	25.5	12.43	-233.11	0.29	0.04	25.81	6098.33
						51.0	12.43	-236.39	0.29	0.04	5.78	95.23
9	89	112.30	-3.08	0.06	-6.57	0.0	-4.02	216.21	-0.63	0.78	-25.73	-1.078e+04
		-1.078e+04	-25.73	9.29e-03	0.0	25.5	-4.02	212.93	-0.63	0.78	-14.41	-5292.45
						51.0	-4.02	209.65	-0.63	0.78	-3.08	112.30
9	90	54.31	-8.81	0.04	-6.57	0.0	-13.27	166.51	-0.88	3.97	-13.92	-8232.87
		-8232.87	-13.92	3.36e-03	0.0	25.5	-13.27	163.23	-0.88	3.97	-11.37	-4047.42
						51.0	-13.27	159.95	-0.88	3.97	-8.81	54.31
9	91	204.55	11.60	0.07	-6.57	0.0	25.93	4.85	0.30	-5.43	3.25	28.19
		28.19	3.25	0.01	0.0	25.5	25.93	1.57	0.30	-5.43	7.42	158.22
						51.0	25.93	-1.71	0.30	-5.43	11.60	204.55
9	92	7300.95	33.59	-0.06	-6.57	0.0	-9.18	-137.70	-0.31	4.96	33.59	7300.95
		15.98	-2.93	-0.01	0.0	25.5	-9.18	-140.99	-0.31	4.96	15.33	3700.32
						51.0	-9.18	-144.27	-0.31	4.96	-2.93	15.98
9	93	191.55	5.63	0.09	-6.57	0.0	17.59	124.09	-0.03	-4.15	-13.47	-6064.16
		-6064.16	-13.47	0.01	0.0	25.5	17.59	120.80	-0.03	-4.15	-3.92	-2894.45
						51.0	17.59	117.52	-0.03	-4.15	5.63	191.55
9	94	1208.61	16.87	-0.04	-6.57	0.0	-17.53	-18.47	-0.64	6.25	16.87	1208.61
		2.98	-8.90	-7.37e-03	0.0	25.5	-17.53	-21.75	-0.64	6.25	3.99	647.65
						51.0	-17.53	-25.03	-0.64	6.25	-8.90	2.98
9	95	204.19	10.81	0.07	-6.57	0.0	25.61	5.02	0.31	-5.38	3.85	19.60
		19.60	3.85	0.01	0.0	25.5	25.61	1.74	0.31	-5.38	7.33	153.75
						51.0	25.61	-1.55	0.31	-5.38	10.81	204.19
9	96	7292.37	34.19	-0.06	-6.57	0.0	-9.50	-137.54	-0.30	5.02	34.19	7292.37
		15.62	-3.73	-0.01	0.0	25.5	-9.50	-140.82	-0.30	5.02	15.23	3695.85
						51.0	-9.50	-144.10	-0.30	5.02	-3.73	15.62
9	97	191.91	6.43	0.09	-6.57	0.0	17.90	123.92	-0.04	-4.20	-14.08	-6055.57
		-6055.57	-14.08	0.01	0.0	25.5	17.90	120.64	-0.04	-4.20	-3.82	-2889.98
						51.0	17.90	117.35	-0.04	-4.20	6.43	191.91
9	98	1217.19	16.26	-0.04	-6.57	0.0	-17.21	-18.63	-0.65	6.20	16.26	1217.19
		3.35	-8.10	-7.36e-03	0.0	25.5	-17.21	-21.92	-0.65	6.20	4.08	652.12
						51.0	-17.21	-25.20	-0.65	6.20	-8.10	3.35
9	99	206.92	13.89	0.04	-6.57	0.0	23.79	16.41	0.41	-5.54	-1.27	-582.18
		-582.18	-1.27	9.84e-03	0.0	25.5	23.79	13.13	0.41	-5.54	6.31	-145.78
						51.0	23.79	9.84	0.41	-5.54	13.89	206.92
9	100	7911.32	38.10	-0.03	-6.57	0.0	-7.04	-149.26	-0.42	5.08	38.10	7911.32
		13.61	-5.22	-9.95e-03	0.0	25.5	-7.04	-152.54	-0.42	5.08	16.44	4004.32
						51.0	-7.04	-155.83	-0.42	5.08	-5.22	13.61
9	101	193.92	7.92	0.06	-6.57	0.0	15.44	135.64	0.07	-4.26	-17.99	-6674.53
		-6674.53	-17.99	0.01	0.0	25.5	15.44	132.36	0.07	-4.26	-5.03	-3198.45
						51.0	15.44	129.08	0.07	-4.26	7.92	193.92
9	102	1818.98	21.39	-4.61e-03	-6.57	0.0	-15.38	-30.03	-0.75	6.36	21.39	1818.98
		0.61	-11.19	-7.01e-03	0.0	25.5	-15.38	-33.31	-0.75	6.36	5.10	951.65
						51.0	-15.38	-36.59	-0.75	6.36	-11.19	0.61
9	103	206.56	13.09	0.04	-6.57	0.0	23.47	16.58	0.42	-5.49	-0.66	-590.77
		-590.77	-0.66	9.83e-03	0.0	25.5	23.47	13.29	0.42	-5.49	6.22	-150.25

						51.0	23.47	10.01	0.42	-5.49	13.09	206.56
9	104	7902.74	38.71	-0.03	-6.57	0.0	-7.35	-149.09	-0.41	5.13	38.71	
7902.74												
		13.25	-6.02	-9.95e-03	0.0	25.5	-7.35	-152.38	-0.41	5.13	16.35	
3999.85												
						51.0	-7.35	-155.66	-0.41	5.13	-6.02	13.25
9	105	194.28	8.72	0.06	-6.57	0.0	15.76	135.48	0.07	-4.31	-18.59	-
6665.94												
		-6665.94	-18.59	0.01	0.0	25.5	15.76	132.19	0.07	-4.31	-4.94	-
3193.98												
						51.0	15.76	128.91	0.07	-4.31	8.72	194.28
9	106	1827.56	20.78	-4.59e-03	-6.57	0.0	-15.06	-30.19	-0.76	6.31	20.78	
1827.56												
		0.97	-10.39	-7.01e-03	0.0	25.5	-15.06	-33.47	-0.76	6.31	5.19	956.13
						51.0	-15.06	-36.76	-0.76	6.31	-10.39	0.97
10	1	2073.55	-0.61	-3.34e-03	-197.41	0.0	-20.62	98.99	-3.25e-03	0.46	-0.61	-
5372.12												
		-5372.12	-1.59	0.01	0.0	150.0	-20.62	0.28	-3.25e-03	0.46	-1.10	
2073.55												
						300.0	-20.62	-98.42	-3.25e-03	0.46	-1.59	-
5286.68												
10	2	1.467e+04	0.79	-0.04	-1344.91	0.0	-61.37	658.40	-4.62e-03	-1.67	0.79	-
3.366e+04												
		-3.787e+04	-0.59	0.01	0.0	150.0	-61.37	-14.06	-4.62e-03	-1.67	0.10	
1.467e+04												
						300.0	-61.37	-686.51	-4.62e-03	-1.67	-0.59	-
3.787e+04												
10	3	1357.34	-0.50	-1.82e-03	-130.20	0.0	-15.09	65.59	-2.48e-03	0.39	-0.50	-
3598.63												
		-3598.63	-1.24	0.01	0.0	150.0	-15.09	0.49	-2.48e-03	0.39	-0.87	
1357.34												
						300.0	-15.09	-64.61	-2.48e-03	0.39	-1.24	-
3451.70												
10	4	1.395e+04	0.91	-0.04	-1277.70	0.0	-55.84	625.00	-3.84e-03	-1.74	0.91	-
3.188e+04												
		-3.604e+04	-0.25	8.80e-03	0.0	150.0	-55.84	-13.85	-3.84e-03	-1.74	0.33	
1.395e+04												
						300.0	-55.84	-652.70	-3.84e-03	-1.74	-0.25	-
3.604e+04												
10	5	1491.69	-0.48	-2.25e-03	-142.44	0.0	-15.53	71.56	-2.49e-03	0.37	-0.48	-
3900.33												
		-3900.33	-1.23	0.01	0.0	150.0	-15.53	0.34	-2.49e-03	0.37	-0.86	
1491.69												
						300.0	-15.53	-70.88	-2.49e-03	0.37	-1.23	-
3799.30												
10	6	9888.75	0.45	-0.03	-907.44	0.0	-42.69	444.49	-3.40e-03	-1.05	0.45	-
2.276e+04												
		-2.552e+04	-0.57	9.46e-03	0.0	150.0	-42.69	-9.23	-3.40e-03	-1.05	-0.06	
9888.75												
						300.0	-42.69	-462.95	-3.40e-03	-1.05	-0.57	-
2.552e+04												
10	7	1491.69	-0.48	-2.25e-03	-142.44	0.0	-15.53	71.56	-2.49e-03	0.37	-0.48	-
3900.33												
		-3900.33	-1.23	0.01	0.0	150.0	-15.53	0.34	-2.49e-03	0.37	-0.86	
1491.69												
						300.0	-15.53	-70.88	-2.49e-03	0.37	-1.23	-
3799.30												
10	8	7369.63	0.17	-0.02	-677.94	0.0	-34.54	332.61	-3.13e-03	-0.62	0.17	-
1.710e+04												
		-1.901e+04	-0.77	9.88e-03	0.0	150.0	-34.54	-6.36	-3.13e-03	-0.62	-0.30	
7369.63												
						300.0	-34.54	-345.33	-3.13e-03	-0.62	-0.77	-
1.901e+04												
10	9	1491.69	-0.48	-2.25e-03	-142.44	0.0	-15.53	71.56	-2.49e-03	0.37	-0.48	-
3900.33												
		-3900.33	-1.23	0.01	0.0	150.0	-15.53	0.34	-2.49e-03	0.37	-0.86	
1491.69												
						300.0	-15.53	-70.88	-2.49e-03	0.37	-1.23	-
3799.30												
10	10	6529.92	0.08	-0.02	-601.44	0.0	-31.83	295.32	-3.04e-03	-0.48	0.08	-
1.521e+04												
		-1.683e+04	-0.83	0.01	0.0	150.0	-31.83	-5.40	-3.04e-03	-0.48	-0.38	

6529.92												
						300.0	-31.83	-306.12	-3.04e-03	-0.48	-0.83	-
1.683e+04												
10	11	1.281e+04	-14.92	0.03	-601.44	0.0	-529.35	209.82	-0.12	25.63	-14.92	
1740.24												
		-2.511e+04	-49.28	0.19	0.0	150.0	-529.35	-90.90	-0.12	25.63	-32.10	
1.087e+04												
						300.0	-529.35	-391.62	-0.12	25.63	-49.28	-
2.511e+04												
10	12	7927.68	-19.55	0.07	-601.44	0.0	-362.98	229.45	-0.15	15.77	-19.55	-
4408.83												
		-2.790e+04	-65.38	-0.06	0.0	150.0	-362.98	-71.27	-0.15	15.77	-42.47	
6401.35												
						300.0	-362.98	-371.99	-0.15	15.77	-65.38	-
2.790e+04												
10	13	7779.78	63.72	-0.10	-601.44	0.0	299.33	361.19	0.15	-16.73	19.71	-
2.602e+04												
		-2.602e+04	19.71	0.08	0.0	150.0	299.33	60.47	0.15	-16.73	41.71	
6658.49												
						300.0	299.33	-240.25	0.15	-16.73	63.72	-
5771.88												
10	14	3733.88	47.61	-0.06	-601.44	0.0	465.70	380.81	0.11	-26.60	15.07	-
3.217e+04												
		-3.217e+04	15.07	-0.17	0.0	150.0	465.70	80.09	0.11	-26.60	31.34	
2191.96												
						300.0	465.70	-220.63	0.11	-26.60	47.61	-
8555.86												
10	15	1.332e+04	-21.34	0.03	-601.44	0.0	-570.14	208.39	-0.16	27.70	-21.34	
2369.38												
		-2.481e+04	-70.10	0.22	0.0	150.0	-570.14	-92.33	-0.16	27.70	-45.72	
1.133e+04												
						300.0	-570.14	-393.05	-0.16	27.70	-70.10	-
2.481e+04												
10	16	7420.86	-13.12	0.06	-601.44	0.0	-322.20	230.88	-0.11	13.70	-13.12	-
5037.97												
		-2.820e+04	-44.57	-0.08	0.0	150.0	-322.20	-69.84	-0.11	13.70	-28.85	
5935.30												
						300.0	-322.20	-370.56	-0.11	13.70	-44.57	-
2.820e+04												
10	17	8205.06	42.90	-0.10	-601.44	0.0	258.55	359.76	0.10	-14.66	13.28	-
2.539e+04												
		-2.539e+04	13.28	0.10	0.0	150.0	258.55	59.04	0.10	-14.66	28.09	
7124.55												
						300.0	258.55	-241.68	0.10	-14.66	42.90	-
5468.90												
10	18	3308.59	68.43	-0.06	-601.44	0.0	506.49	382.25	0.16	-28.67	21.50	-
3.280e+04												
		-3.280e+04	21.50	-0.20	0.0	150.0	506.49	81.53	0.16	-28.67	44.96	
1725.91												
						300.0	506.49	-219.19	0.16	-28.67	68.43	-
8858.84												
10	19	1.334e+04	-17.56	0.04	-601.44	0.0	-596.67	209.15	-0.12	26.95	-17.56	
2330.55												
		-2.470e+04	-53.43	0.23	0.0	150.0	-596.67	-91.57	-0.12	26.95	-35.49	
1.137e+04												
						300.0	-596.67	-392.29	-0.12	26.95	-53.43	-
2.470e+04												
10	20	8450.73	-22.20	0.08	-601.44	0.0	-430.30	228.77	-0.16	17.09	-22.20	-
3818.52												
		-2.749e+04	-69.53	-0.01	0.0	150.0	-430.30	-71.95	-0.16	17.09	-45.86	
6901.98												
						300.0	-430.30	-372.67	-0.16	17.09	-69.53	-
2.749e+04												
10	21	7301.57	67.86	-0.11	-601.44	0.0	366.65	361.87	0.15	-18.05	22.35	-
2.661e+04												
		-2.661e+04	22.35	0.03	0.0	150.0	366.65	61.15	0.15	-18.05	45.11	
6157.87												
						300.0	366.65	-239.57	0.15	-18.05	67.86	-
6182.82												
10	22	3255.68	51.76	-0.07	-601.44	0.0	533.02	381.49	0.11	-27.92	17.72	-
3.276e+04												
		-3.276e+04	17.72	-0.21	0.0	150.0	533.02	80.77	0.11	-27.92	34.74	

1691.34												
						300.0	533.02	-219.95	0.11	-27.92	51.76	-
8966.81												
10	23	1.384e+04	-23.99	0.04	-601.44	0.0	-637.45	207.72	-0.17	29.03	-23.99	
2959.68												
		-2.440e+04	-74.24	0.26	0.0	150.0	-637.45	-93.00	-0.17	29.03	-49.12	
1.183e+04												
						300.0	-637.45	-393.72	-0.17	29.03	-74.24	-
2.440e+04												
10	24	7943.90	-15.77	0.07	-601.44	0.0	-389.52	230.21	-0.11	15.02	-15.77	-
4447.66												
		-2.779e+04	-48.71	-0.04	0.0	150.0	-389.52	-70.51	-0.11	15.02	-32.24	
6435.92												
						300.0	-389.52	-371.23	-0.11	15.02	-48.71	-
2.779e+04												
10	25	7726.86	47.05	-0.10	-601.44	0.0	325.87	360.43	0.10	-15.98	15.93	-
2.598e+04												
		-2.598e+04	15.93	0.06	0.0	150.0	325.87	59.71	0.10	-15.98	31.49	
6623.93												
						300.0	325.87	-241.01	0.10	-15.98	47.05	-
5879.84												
10	26	2830.39	72.58	-0.07	-601.44	0.0	573.80	382.92	0.16	-29.99	24.15	-
3.339e+04												
		-3.339e+04	24.15	-0.24	0.0	150.0	573.80	82.20	0.16	-29.99	48.36	
1225.28												
						300.0	573.80	-218.52	0.16	-29.99	72.58	-
9269.79												
10	27	1.515e+04	9.06	-0.08	-601.44	0.0	-433.41	239.91	0.02	22.32	2.61	-
801.63												
		-1.510e+04	2.61	0.44	0.0	150.0	-433.41	-60.81	0.02	22.32	5.83	
1.461e+04												
						300.0	-433.41	-361.53	0.02	22.32	9.06	-
1.510e+04												
10	28	-282.88	-12.84	0.08	-601.44	0.0	121.15	305.32	-0.11	-10.57	-12.84	-
2.130e+04												
		-2.438e+04	-44.62	-0.38	0.0	150.0	121.15	4.60	-0.11	-10.57	-28.73	-
282.88												
						300.0	121.15	-296.12	-0.11	-10.57	-44.62	-
2.438e+04												
10	29	1.334e+04	42.95	-0.10	-601.44	0.0	-184.81	285.32	0.10	9.61	13.00	-
9129.44												
		-9293.10	13.00	0.40	0.0	150.0	-184.81	-15.40	0.10	9.61	27.98	
1.334e+04												
						300.0	-184.81	-316.12	0.10	9.61	42.95	-
9293.10												
10	30	-1207.27	-2.46	0.04	-601.44	0.0	369.76	350.73	-0.03	-23.28	-2.46	-
2.963e+04												
		-2.963e+04	-10.72	-0.42	0.0	150.0	369.76	50.01	-0.03	-23.28	-6.59	-
1545.70												
						300.0	369.76	-250.71	-0.03	-23.28	-10.72	-
1.857e+04												
10	31	1.530e+04	7.81	-0.08	-601.44	0.0	-453.61	239.71	0.02	22.71	1.82	-
624.54												
		-1.497e+04	1.82	0.45	0.0	150.0	-453.61	-61.01	0.02	22.71	4.81	
1.476e+04												
						300.0	-453.61	-361.73	0.02	22.71	7.81	-
1.497e+04												
10	32	-132.69	-13.64	0.08	-601.44	0.0	100.96	305.12	-0.11	-10.17	-13.64	-
2.112e+04												
		-2.425e+04	-45.86	-0.37	0.0	150.0	100.96	4.40	-0.11	-10.17	-29.75	-
132.69												
						300.0	100.96	-296.32	-0.11	-10.17	-45.86	-
2.425e+04												
10	33	1.319e+04	44.20	-0.11	-601.44	0.0	-164.61	285.52	0.10	9.21	13.79	-
9306.53												
		-9416.38	13.79	0.39	0.0	150.0	-164.61	-15.20	0.10	9.21	29.00	
1.319e+04												
						300.0	-164.61	-315.92	0.10	9.21	44.20	-
9416.38												
10	34	-1354.10	-1.66	0.04	-601.44	0.0	389.96	350.93	-0.03	-23.68	-1.66	-
2.980e+04												
		-2.980e+04	-9.48	-0.43	0.0	150.0	389.96	50.21	-0.03	-23.68	-5.57	-

1695.89												
						300.0	389.96	-250.51	-0.03	-23.68	-9.48	-
1.870e+04												
10	35	1.677e+04	-18.81	-0.07	-601.44	0.0	-569.35	235.14	-0.14	29.22	-18.81	
1295.49												
		-1.409e+04	-60.33	0.53	0.0	150.0	-569.35	-65.58	-0.14	29.22	-39.57	
1.616e+04												
						300.0	-569.35	-366.30	-0.14	29.22	-60.33	-
1.409e+04												
10	36	-1836.41	24.77	0.06	-601.44	0.0	257.09	310.09	0.05	-17.48	8.58	-
2.340e+04												
		-2.539e+04	8.58	-0.48	0.0	150.0	257.09	9.37	0.05	-17.48	16.67	-
1836.41												
						300.0	257.09	-291.35	0.05	-17.48	24.77	-
2.539e+04												
10	37	1.490e+04	-8.42	-0.09	-601.44	0.0	-320.75	280.55	-0.06	16.51	-8.42	-
7032.32												
		-8283.17	-26.43	0.50	0.0	150.0	-320.75	-20.17	-0.06	16.51	-17.43	
1.490e+04												
						300.0	-320.75	-320.89	-0.06	16.51	-26.43	-
8283.17												
10	38	-2692.85	58.67	0.04	-601.44	0.0	505.70	355.50	0.13	-30.19	18.97	-
3.172e+04												
		-3.172e+04	18.97	-0.51	0.0	150.0	505.70	54.78	0.13	-30.19	38.82	-
3099.23												
						300.0	505.70	-245.94	0.13	-30.19	58.67	-
1.958e+04												
10	39	1.692e+04	-19.61	-0.07	-601.44	0.0	-589.55	234.93	-0.14	29.62	-19.61	
1472.59												
		-1.396e+04	-61.58	0.55	0.0	150.0	-589.55	-65.79	-0.14	29.62	-40.59	
1.631e+04												
						300.0	-589.55	-366.51	-0.14	29.62	-61.58	-
1.396e+04												
10	40	-1686.22	23.52	0.06	-601.44	0.0	236.90	309.89	0.05	-17.08	7.79	-
2.322e+04												
		-2.526e+04	7.79	-0.46	0.0	150.0	236.90	9.17	0.05	-17.08	15.65	-
1686.22												
						300.0	236.90	-291.55	0.05	-17.08	23.52	-
2.526e+04												
10	41	1.475e+04	-7.63	-0.10	-601.44	0.0	-300.55	280.75	-0.06	16.12	-7.63	-
7209.41												
		-8406.45	-25.19	0.48	0.0	150.0	-300.55	-19.97	-0.06	16.12	-16.41	
1.475e+04												
						300.0	-300.55	-320.69	-0.06	16.12	-25.19	-
8406.45												
10	42	-2839.68	59.91	0.04	-601.44	0.0	525.89	355.70	0.13	-30.58	19.76	-
3.190e+04												
		-3.190e+04	19.76	-0.53	0.0	150.0	525.89	54.98	0.13	-30.58	39.84	-
3249.42												
						300.0	525.89	-245.74	0.13	-30.58	59.91	-
1.971e+04												
10	43	1.127e+04	-11.76	0.02	-601.44	0.0	-424.35	227.77	-0.09	20.16	-11.76	-
1789.74												
		-2.334e+04	-39.12	0.15	0.0	150.0	-424.35	-72.95	-0.09	20.16	-25.44	
9986.92												
						300.0	-424.35	-373.67	-0.09	20.16	-39.12	-
2.334e+04												
10	44	7407.10	-15.32	0.05	-601.44	0.0	-294.05	243.28	-0.12	12.36	-15.32	-
6659.58												
		-2.553e+04	-51.66	-0.04	0.0	150.0	-294.05	-57.44	-0.12	12.36	-33.49	
6457.50												
						300.0	-294.05	-358.16	-0.12	12.36	-51.66	-
2.553e+04												
10	45	7227.04	50.00	-0.08	-601.44	0.0	230.40	347.36	0.12	-13.32	15.48	-
2.377e+04												
		-2.377e+04	15.48	0.06	0.0	150.0	230.40	46.64	0.12	-13.32	32.74	
6602.35												
						300.0	230.40	-254.08	0.12	-13.32	50.00	-
8134.91												
10	46	3952.59	37.46	-0.05	-601.44	0.0	360.70	362.87	0.09	-21.12	11.91	-
2.864e+04												
		-2.864e+04	11.91	-0.13	0.0	150.0	360.70	62.15	0.09	-21.12	24.69	

3072.93												
						300.0	360.70	-238.57	0.09	-21.12	37.46	-
1.032e+04												
10	47	1.167e+04	-16.75	0.02	-601.44	0.0	-456.90	226.64	-0.13	21.80	-16.75	-
1290.75												
		-2.310e+04	-55.44	0.18	0.0	150.0	-456.90	-74.08	-0.13	21.80	-36.09	
1.036e+04												
						300.0	-456.90	-374.80	-0.13	21.80	-55.44	-
2.310e+04												
10	48	7005.00	-10.33	0.05	-601.44	0.0	-261.51	244.42	-0.08	10.72	-10.33	-
7158.57												
		-2.577e+04	-35.35	-0.06	0.0	150.0	-261.51	-56.30	-0.08	10.72	-22.84	
6087.69												
						300.0	-261.51	-357.02	-0.08	10.72	-35.35	-
2.577e+04												
10	49	7580.69	33.68	-0.08	-601.44	0.0	197.85	346.22	0.08	-11.68	10.49	-
2.327e+04												
		-2.327e+04	10.49	0.08	0.0	150.0	197.85	45.50	0.08	-11.68	22.08	
6972.15												
						300.0	197.85	-255.22	0.08	-11.68	33.68	-
7894.30												
10	50	3615.09	53.77	-0.05	-601.44	0.0	393.25	364.00	0.12	-22.77	16.90	-
2.914e+04												
		-2.914e+04	16.90	-0.16	0.0	150.0	393.25	63.28	0.12	-22.77	35.34	
2703.13												
						300.0	393.25	-237.44	0.12	-22.77	53.77	-
1.056e+04												
10	51	1.169e+04	-13.85	0.03	-601.44	0.0	-477.57	227.28	-0.09	21.20	-13.85	-
1323.72												
		-2.300e+04	-42.36	0.19	0.0	150.0	-477.57	-73.44	-0.09	21.20	-28.10	
1.039e+04												
						300.0	-477.57	-374.16	-0.09	21.20	-42.36	-
2.300e+04												
10	52	7826.10	-17.41	0.06	-601.44	0.0	-347.28	242.79	-0.13	13.40	-17.41	-
6193.56												
		-2.519e+04	-54.90	-7.43e-03	0.0	150.0	-347.28	-57.93	-0.13	13.40	-36.16	
6860.81												
						300.0	-347.28	-358.65	-0.13	13.40	-54.90	-
2.519e+04												
10	53	6831.56	53.23	-0.09	-601.44	0.0	283.62	347.85	0.12	-14.36	17.57	-
2.423e+04												
		-2.423e+04	17.57	0.03	0.0	150.0	283.62	47.13	0.12	-14.36	35.40	
6199.03												
						300.0	283.62	-253.59	0.12	-14.36	53.23	-
8475.52												
10	54	3564.96	40.69	-0.06	-601.44	0.0	413.92	363.36	0.09	-22.16	14.01	-
2.910e+04												
		-2.910e+04	14.01	-0.17	0.0	150.0	413.92	62.64	0.09	-22.16	27.35	
2669.61												
						300.0	413.92	-238.08	0.09	-22.16	40.69	-
1.066e+04												
10	55	1.209e+04	-18.84	0.03	-601.44	0.0	-510.12	226.14	-0.13	22.84	-18.84	-
824.73												
		-2.276e+04	-58.68	0.21	0.0	150.0	-510.12	-74.58	-0.13	22.84	-38.76	
1.076e+04												
						300.0	-510.12	-375.30	-0.13	22.84	-58.68	-
2.276e+04												
10	56	7423.99	-12.42	0.05	-601.44	0.0	-314.73	243.92	-0.09	11.75	-12.42	-
6692.55												
		-2.543e+04	-38.58	-0.03	0.0	150.0	-314.73	-56.80	-0.09	11.75	-25.50	
6491.01												
						300.0	-314.73	-357.52	-0.09	11.75	-38.58	-
2.543e+04												
10	57	7185.21	36.92	-0.09	-601.44	0.0	251.08	346.72	0.08	-12.72	12.58	-
2.374e+04												
		-2.374e+04	12.58	0.05	0.0	150.0	251.08	46.00	0.08	-12.72	24.75	
6568.84												
						300.0	251.08	-254.72	0.08	-12.72	36.92	-
8234.91												
10	58	3227.45	57.01	-0.06	-601.44	0.0	446.47	364.50	0.13	-23.81	19.00	-
2.960e+04												
		-2.960e+04	19.00	-0.19	0.0	150.0	446.47	63.78	0.13	-23.81	38.00	

2299.81												
						300.0	446.47	-236.94	0.13	-23.81	57.01	-
1.091e+04												
10	59	1.330e+04	6.70	-0.06	-601.44	0.0	-347.20	251.53	0.02	17.54	1.93	-
3800.79												
		-1.547e+04	1.93	0.35	0.0	150.0	-347.20	-49.19	0.02	17.54	4.32	
1.292e+04												
						300.0	-347.20	-349.91	0.02	17.54	6.70	-
1.547e+04												
10	60	1155.24	-9.95	0.06	-601.44	0.0	87.13	303.23	-0.08	-8.46	-9.95	-
2.003e+04												
		-2.276e+04	-35.10	-0.30	0.0	150.0	87.13	2.51	-0.08	-8.46	-22.52	
1155.24												
						300.0	87.13	-298.21	-0.08	-8.46	-35.10	-
2.276e+04												
10	61	1.190e+04	33.43	-0.08	-601.44	0.0	-150.78	287.41	0.08	7.49	10.11	-
1.039e+04												
		-1.090e+04	10.11	0.32	0.0	150.0	-150.78	-13.31	0.08	7.49	21.77	
1.190e+04												
						300.0	-150.78	-314.03	0.08	7.49	33.43	-
1.090e+04												
10	62	314.10	-1.78	0.03	-601.44	0.0	283.55	339.11	-0.02	-18.50	-1.78	-
2.663e+04												
		-2.663e+04	-8.36	-0.33	0.0	150.0	283.55	38.39	-0.02	-18.50	-5.07	139.87
						300.0	283.55	-262.33	-0.02	-18.50	-8.36	-
1.820e+04												
10	63	1.342e+04	5.72	-0.06	-601.44	0.0	-363.17	251.38	0.02	17.85	1.31	-
3660.98												
		-1.537e+04	1.31	0.36	0.0	150.0	-363.17	-49.34	0.02	17.85	3.52	
1.304e+04												
						300.0	-363.17	-350.06	0.02	17.85	5.72	-
1.537e+04												
10	64	1276.24	-10.58	0.06	-601.44	0.0	71.16	303.08	-0.09	-8.15	-10.58	-
1.989e+04												
		-2.266e+04	-36.07	-0.29	0.0	150.0	71.16	2.36	-0.09	-8.15	-23.32	
1276.24												
						300.0	71.16	-298.36	-0.09	-8.15	-36.07	-
2.266e+04												
10	65	1.178e+04	34.40	-0.09	-601.44	0.0	-134.81	287.56	0.08	7.18	10.73	-
1.053e+04												
		-1.101e+04	10.73	0.31	0.0	150.0	-134.81	-13.16	0.08	7.18	22.57	
1.178e+04												
						300.0	-134.81	-313.88	0.08	7.18	34.40	-
1.101e+04												
10	66	195.46	-1.15	0.03	-601.44	0.0	299.52	339.25	-0.02	-18.82	-1.15	-
2.677e+04												
		-2.677e+04	-7.39	-0.34	0.0	150.0	299.52	38.53	-0.02	-18.82	-4.27	18.88
						300.0	299.52	-262.19	-0.02	-18.82	-7.39	-
1.830e+04												
10	67	1.458e+04	-14.70	-0.06	-601.44	0.0	-455.70	247.75	-0.11	23.02	-14.70	-
2137.48												
		-1.467e+04	-47.69	0.42	0.0	150.0	-455.70	-52.97	-0.11	23.02	-31.20	
1.415e+04												
						300.0	-455.70	-353.69	-0.11	23.02	-47.69	-
1.467e+04												
10	68	-77.43	19.29	0.05	-601.44	0.0	195.62	307.01	0.04	-13.94	6.69	-
2.170e+04												
		-2.357e+04	6.69	-0.38	0.0	150.0	195.62	6.29	0.04	-13.94	12.99	-77.43
						300.0	195.62	-294.43	0.04	-13.94	19.29	-
2.357e+04												
10	69	1.314e+04	-6.53	-0.08	-601.44	0.0	-259.27	283.63	-0.05	12.98	-6.53	-
8731.07												
		-1.010e+04	-20.95	0.40	0.0	150.0	-259.27	-17.09	-0.05	12.98	-13.74	
1.314e+04												
						300.0	-259.27	-317.81	-0.05	12.98	-20.95	-
1.010e+04												
10	70	-864.75	46.02	0.02	-601.44	0.0	392.05	342.89	0.10	-23.99	14.86	-
2.829e+04												
		-2.829e+04	14.86	-0.40	0.0	150.0	392.05	42.17	0.10	-23.99	30.44	-
1092.80												
						300.0	392.05	-258.55	0.10	-23.99	46.02	-
1.900e+04												

10	71	1.471e+04	-15.33	-0.06	-601.44	0.0	-471.67	247.60	-0.11	23.33	-15.33	-1997.67
		-1.456e+04	-48.66	0.43	0.0	150.0	-471.67	-53.12	-0.11	23.33	-32.00	1.427e+04
						300.0	-471.67	-353.84	-0.11	23.33	-48.66	-1.456e+04
10	72	43.56	18.32	0.05	-601.44	0.0	179.66	306.86	0.04	-13.63	6.06	-2.156e+04
		-2.346e+04	6.06	-0.37	0.0	150.0	179.66	6.14	0.04	-13.63	12.19	43.56
						300.0	179.66	-294.58	0.04	-13.63	18.32	-2.346e+04
10	73	1.302e+04	-5.90	-0.08	-601.44	0.0	-243.31	283.78	-0.05	12.67	-5.90	-8870.88
		-1.020e+04	-19.98	0.39	0.0	150.0	-243.31	-16.94	-0.05	12.67	-12.94	1.302e+04
						300.0	-243.31	-317.66	-0.05	12.67	-19.98	-1.020e+04
10	74	-983.39	47.00	0.02	-601.44	0.0	408.02	343.03	0.11	-24.30	15.49	-2.843e+04
		-2.843e+04	15.49	-0.41	0.0	150.0	408.02	42.31	0.11	-24.30	31.24	-1213.80
						300.0	408.02	-258.41	0.11	-24.30	47.00	-1.911e+04
10	75	1.024e+04	-9.73	-0.02	-601.44	0.0	-356.52	239.44	-0.08	16.59	-9.73	-4116.91
		-2.223e+04	-32.53	0.13	0.0	150.0	-356.52	-61.28	-0.08	16.59	-21.13	9381.23
						300.0	-356.52	-362.00	-0.08	16.59	-32.53	-2.223e+04
10	76	7104.46	-12.68	0.04	-601.44	0.0	-248.74	252.27	-0.10	10.14	-12.68	-8141.72
		-2.404e+04	-42.91	-0.03	0.0	150.0	-248.74	-48.45	-0.10	10.14	-27.79	6463.24
						300.0	-248.74	-349.17	-0.10	10.14	-42.91	-2.404e+04
10	77	7035.31	41.24	-0.07	-601.44	0.0	185.08	338.37	0.10	-11.11	12.84	-2.229e+04
		-2.229e+04	12.84	0.05	0.0	150.0	185.08	37.65	0.10	-11.11	27.04	6596.61
						300.0	185.08	-263.07	0.10	-11.11	41.24	-9628.53
10	78	4255.67	30.86	-0.04	-601.44	0.0	292.86	351.19	0.07	-17.55	9.88	-2.631e+04
		-2.631e+04	9.88	-0.11	0.0	150.0	292.86	50.47	0.07	-17.55	20.37	3678.62
						300.0	292.86	-250.25	0.07	-17.55	30.86	-1.144e+04
10	79	1.057e+04	-13.86	-0.02	-601.44	0.0	-383.40	238.51	-0.11	17.95	-13.86	-3704.55
		-2.203e+04	-46.03	0.15	0.0	150.0	-383.40	-62.21	-0.11	17.95	-29.94	9686.79
						300.0	-383.40	-362.93	-0.11	17.95	-46.03	-2.203e+04
10	80	6785.56	-8.55	0.04	-601.44	0.0	-221.85	253.20	-0.07	8.78	-8.55	-8554.07
		-2.424e+04	-29.41	-0.05	0.0	150.0	-221.85	-47.52	-0.07	8.78	-18.98	6157.68
						300.0	-221.85	-348.24	-0.07	8.78	-29.41	-2.424e+04
10	81	7327.52	27.74	-0.07	-601.44	0.0	158.20	337.43	0.06	-9.75	8.70	-2.187e+04
		-2.187e+04	8.70	0.07	0.0	150.0	158.20	36.71	0.06	-9.75	18.22	6902.16
						300.0	158.20	-264.01	0.06	-9.75	27.74	-9429.78
10	82	3963.46	44.36	-0.05	-601.44	0.0	319.75	352.13	0.10	-18.91	14.01	-2.672e+04
		-2.672e+04	14.01	-0.13	0.0	150.0	319.75	51.41	0.10	-18.91	29.19	3373.06
						300.0	319.75	-249.31	0.10	-18.91	44.36	-1.164e+04
10	83	1.058e+04	-11.45	0.02	-601.44	0.0	-400.45	239.04	-0.08	17.45	-11.45	-

3732.25												
		-2.195e+04	-35.19	0.16	0.0	150.0	-400.45	-61.68	-0.08	17.45	-23.32	
9714.99												
						300.0	-400.45	-362.40	-0.08	17.45	-35.19	-
2.195e+04												
10	84	7444.58	-14.40	0.05	-601.44	0.0	-292.67	251.86	-0.10	11.00	-14.40	-
7757.06												
		-2.376e+04	-45.57	-4.31e-03	0.0	150.0	-292.67	-48.86	-0.10	11.00	-29.99	
6797.00												
						300.0	-292.67	-349.58	-0.10	11.00	-45.57	-
2.376e+04												
10	85	6707.91	43.91	-0.08	-601.44	0.0	229.02	338.77	0.10	-11.96	14.56	-
2.267e+04												
		-2.267e+04	14.56	0.02	0.0	150.0	229.02	38.05	0.10	-11.96	29.23	
6262.85												
						300.0	229.02	-262.67	0.10	-11.96	43.91	-
9911.39												
10	86	3928.27	33.53	-0.05	-601.44	0.0	336.80	351.60	0.07	-18.41	11.60	-
2.670e+04												
		-2.670e+04	11.60	-0.14	0.0	150.0	336.80	50.88	0.07	-18.41	22.57	
3344.86												
						300.0	336.80	-249.84	0.07	-18.41	33.53	-
1.172e+04												
10	87	1.091e+04	-15.58	0.02	-601.44	0.0	-427.33	238.10	-0.11	18.81	-15.58	-
3319.90												
		-2.175e+04	-48.69	0.18	0.0	150.0	-427.33	-62.62	-0.11	18.81	-32.14	
1.002e+04												
						300.0	-427.33	-363.34	-0.11	18.81	-48.69	-
2.175e+04												
10	88	7125.68	-10.27	0.04	-601.44	0.0	-265.78	252.80	-0.07	9.64	-10.27	-
8169.42												
		-2.396e+04	-32.08	-0.02	0.0	150.0	-265.78	-47.92	-0.07	9.64	-21.17	
6491.44												
						300.0	-265.78	-348.64	-0.07	9.64	-32.08	-
2.396e+04												
10	89	7000.12	30.41	-0.07	-601.44	0.0	202.13	337.84	0.07	-10.60	10.43	-
2.226e+04												
		-2.226e+04	10.43	0.04	0.0	150.0	202.13	37.12	0.07	-10.60	20.42	
6568.41												
						300.0	202.13	-263.60	0.07	-10.60	30.41	-
9712.64												
10	90	3636.07	47.03	-0.05	-601.44	0.0	363.68	352.53	0.10	-19.77	15.74	-
2.711e+04												
		-2.711e+04	15.74	-0.16	0.0	150.0	363.68	51.81	0.10	-19.77	31.38	
3039.30												
						300.0	363.68	-248.91	0.10	-19.77	47.03	-
1.192e+04												
10	91	1.208e+04	5.40	-0.06	-601.44	0.0	-292.70	259.11	0.01	14.42	1.62	-
5780.56												
		-1.571e+04	1.62	0.29	0.0	150.0	-292.70	-41.61	0.01	14.42	3.51	
1.181e+04												
						300.0	-292.70	-342.33	0.01	14.42	5.40	-
1.571e+04												
10	92	2084.29	-8.23	0.04	-601.44	0.0	66.57	301.85	-0.07	-7.07	-8.23	-
1.920e+04												
		-2.174e+04	-29.20	-0.25	0.0	150.0	66.57	1.13	-0.07	-7.07	-18.71	
2084.29												
						300.0	66.57	-299.59	-0.07	-7.07	-29.20	-
2.174e+04												
10	93	1.098e+04	27.53	-0.07	-601.44	0.0	-130.22	288.79	0.06	6.11	8.39	-
1.123e+04												
		-1.193e+04	8.39	0.27	0.0	150.0	-130.22	-11.93	0.06	6.11	17.96	
1.098e+04												
						300.0	-130.22	-312.65	0.06	6.11	27.53	-
1.193e+04												
10	94	1314.29	-1.46	0.02	-601.44	0.0	229.05	331.53	-0.02	-15.38	-1.46	-
2.465e+04												
		-2.465e+04	-7.07	-0.27	0.0	150.0	229.05	30.81	-0.02	-15.38	-4.26	
1248.91												
						300.0	229.05	-269.91	-0.02	-15.38	-7.07	-
1.796e+04												
10	95	1.218e+04	4.60	-0.06	-601.44	0.0	-305.88	258.99	0.01	14.68	1.10	-

5665.17												
		-1.562e+04	1.10	0.30	0.0	150.0	-305.88	-41.73	0.01	14.68	2.85	
1.191e+04												
						300.0	-305.88	-342.45	0.01	14.68	4.60	-
1.562e+04												
10	96	2184.42	-8.75	0.05	-601.44	0.0	53.39	301.73	-0.07	-6.82	-8.75	-
1.908e+04												
		-2.166e+04	-30.00	-0.24	0.0	150.0	53.39	1.01	-0.07	-6.82	-19.37	
2184.42												
						300.0	53.39	-299.71	-0.07	-6.82	-30.00	-
2.166e+04												
10	97	1.088e+04	28.33	-0.07	-601.44	0.0	-117.04	288.91	0.07	5.85	8.90	-
1.135e+04												
		-1.201e+04	8.90	0.26	0.0	150.0	-117.04	-11.81	0.07	5.85	18.62	
1.088e+04												
						300.0	-117.04	-312.53	0.07	5.85	28.33	-
1.201e+04												
10	98	1216.07	-0.94	0.02	-601.44	0.0	242.23	331.65	-0.02	-15.64	-0.94	-
2.476e+04												
		-2.476e+04	-6.27	-0.28	0.0	150.0	242.23	30.93	-0.02	-15.64	-3.61	
1148.78												
						300.0	242.23	-269.79	-0.02	-15.64	-6.27	-
1.805e+04												
10	99	1.314e+04	-12.16	-0.05	-601.44	0.0	-382.31	255.98	-0.09	18.95	-12.16	-
4406.04												
		-1.504e+04	-39.59	0.35	0.0	150.0	-382.31	-44.74	-0.09	18.95	-25.87	
1.283e+04												
						300.0	-382.31	-345.46	-0.09	18.95	-39.59	-
1.504e+04												
10	100	1065.78	15.80	0.04	-601.44	0.0	156.18	304.98	0.03	-11.60	5.54	-
2.057e+04												
		-2.241e+04	5.54	-0.31	0.0	150.0	156.18	4.26	0.03	-11.60	10.67	
1065.78												
						300.0	156.18	-296.46	0.03	-11.60	15.80	-
2.241e+04												
10	101	1.199e+04	-5.39	-0.07	-601.44	0.0	-219.83	285.66	-0.04	10.64	-5.39	-
9856.85												
		-1.126e+04	-17.46	0.33	0.0	150.0	-219.83	-15.06	-0.04	10.64	-11.42	
1.199e+04												
						300.0	-219.83	-315.78	-0.04	10.64	-17.46	-
1.126e+04												
10	102	340.27	37.93	0.02	-601.44	0.0	318.66	334.65	0.09	-19.91	12.31	-
2.602e+04												
		-2.602e+04	12.31	-0.33	0.0	150.0	318.66	33.93	0.09	-19.91	25.12	230.39
						300.0	318.66	-266.79	0.09	-19.91	37.93	-
1.863e+04												
10	103	1.324e+04	-12.67	-0.05	-601.44	0.0	-395.49	255.86	-0.09	19.21	-12.67	-
4290.65												
		-1.496e+04	-40.39	0.36	0.0	150.0	-395.49	-44.86	-0.09	19.21	-26.53	
1.293e+04												
						300.0	-395.49	-345.58	-0.09	19.21	-40.39	-
1.496e+04												
10	104	1165.90	15.00	0.04	-601.44	0.0	143.00	304.86	0.03	-11.35	5.03	-
2.046e+04												
		-2.232e+04	5.03	-0.30	0.0	150.0	143.00	4.14	0.03	-11.35	10.01	
1165.90												
						300.0	143.00	-296.58	0.03	-11.35	15.00	-
2.232e+04												
10	105	1.189e+04	-4.87	-0.07	-601.44	0.0	-206.65	285.78	-0.04	10.38	-4.87	-
9972.24												
		-1.135e+04	-16.66	0.32	0.0	150.0	-206.65	-14.94	-0.04	10.38	-10.77	
1.189e+04												
						300.0	-206.65	-315.66	-0.04	10.38	-16.66	-
1.135e+04												
10	106	242.05	38.73	0.02	-601.44	0.0	331.84	334.78	0.09	-20.17	12.83	-
2.614e+04												
		-2.614e+04	12.83	-0.34	0.0	150.0	331.84	34.06	0.09	-20.17	25.78	130.26
						300.0	331.84	-266.66	0.09	-20.17	38.73	-
1.871e+04												
11	1	16.68	5.17	4.70e-04	-30.89	0.0	-21.61	64.31	-0.17	3.70	5.17	-
3660.04												
		-3660.04	-6.97	1.17e-03	0.0	36.4	-21.61	51.39	-0.17	3.70	-0.90	-

1540.83												
						72.7	-21.61	33.42	-0.17	3.70	-6.97	16.68
11	2	47.42	42.54	3.15e-03	-134.73	0.0	-186.30	323.88	-1.23	6.96	42.54	-
1.999e+04												
		-1.999e+04	-47.21	4.46e-03	0.0	36.4	-186.30	285.00	-1.23	6.96	-2.34	-
8747.12												
						72.7	-186.30	189.15	-1.23	6.96	-47.21	47.42
11	3	12.25	3.27	3.12e-04	-21.80	0.0	-13.52	44.57	-0.11	2.79	3.27	-
2507.21												
		-2507.21	-4.61	8.38e-04	0.0	36.4	-13.52	35.12	-0.11	2.79	-0.67	-
1049.26												
						72.7	-13.52	22.77	-0.11	2.79	-4.61	12.25
11	4	42.99	40.64	3.00e-03	-125.65	0.0	-178.20	304.14	-1.18	6.05	40.64	-
1.884e+04												
		-1.884e+04	-44.84	4.13e-03	0.0	36.4	-178.20	268.74	-1.18	6.05	-2.10	-
8255.55												
						72.7	-178.20	178.50	-1.18	6.05	-44.84	42.99
11	5	12.58	3.67	3.40e-04	-22.91	0.0	-15.27	47.34	-0.12	2.82	3.67	-
2681.41												
		-2681.41	-5.03	8.73e-04	0.0	36.4	-15.27	37.62	-0.12	2.82	-0.68	-
1126.12												
						72.7	-15.27	24.43	-0.12	2.82	-5.03	12.58
11	6	33.07	28.58	2.13e-03	-92.14	0.0	-125.06	220.39	-0.83	4.99	28.58	-
1.357e+04												
		-1.357e+04	-31.86	3.07e-03	0.0	36.4	-125.06	193.36	-0.83	4.99	-1.64	-
5930.32												
						72.7	-125.06	128.25	-0.83	4.99	-31.86	33.07
11	7	12.58	3.67	3.40e-04	-22.91	0.0	-15.27	47.34	-0.12	2.82	3.67	-
2681.41												
		-2681.41	-5.03	8.73e-04	0.0	36.4	-15.27	37.62	-0.12	2.82	-0.68	-
1126.12												
						72.7	-15.27	24.43	-0.12	2.82	-5.03	12.58
11	8	26.92	21.11	1.59e-03	-71.37	0.0	-92.13	168.47	-0.62	4.34	21.11	-
1.030e+04												
		-1.030e+04	-23.81	2.41e-03	0.0	36.4	-92.13	146.63	-0.62	4.34	-1.35	-
4489.06												
						72.7	-92.13	97.10	-0.62	4.34	-23.81	26.92
11	9	12.58	3.67	3.40e-04	-22.91	0.0	-15.27	47.34	-0.12	2.82	3.67	-
2681.41												
		-2681.41	-5.03	8.73e-04	0.0	36.4	-15.27	37.62	-0.12	2.82	-0.68	-
1126.12												
						72.7	-15.27	24.43	-0.12	2.82	-5.03	12.58
11	10	24.88	18.62	1.41e-03	-64.45	0.0	-81.15	151.17	-0.55	4.12	18.62	-
9214.04												
		-9214.04	-21.13	2.19e-03	0.0	36.4	-81.15	131.06	-0.55	4.12	-1.26	-
4008.64												
						72.7	-81.15	86.72	-0.55	4.12	-21.13	24.88
11	11	83.59	20.56	1.17e-03	-64.45	0.0	-141.36	121.87	1.20	3.31	-71.54	-
7051.08												
		-7051.08	-71.54	-2.15e-03	0.0	36.4	-141.36	101.76	1.20	3.31	-25.49	-
2897.80												
						72.7	-141.36	57.43	1.20	3.31	20.56	83.59
11	12	7525.39	-3.73	8.77e-03	-64.45	0.0	-355.82	-79.49	0.18	-13.29	-21.50	
7525.39												
		12.86	-21.50	-0.01	0.0	36.4	-355.82	-99.60	0.18	-13.29	-12.62	
4355.06												
						72.7	-355.82	-143.94	0.18	-13.29	-3.73	12.86
11	13	36.89	58.73	-6.95e-03	-64.45	0.0	193.53	381.83	-1.28	21.53	58.73	-
2.595e+04												
		-2.595e+04	-38.53	0.02	0.0	36.4	193.53	361.72	-1.28	21.53	10.10	-
1.237e+04												
						72.7	193.53	317.38	-1.28	21.53	-38.53	36.89
11	14	-33.84	108.77	1.67e-03	-64.45	0.0	-20.93	180.47	-2.29	4.94	108.77	-
1.138e+04												
		-1.138e+04	-62.82	6.53e-03	0.0	36.4	-20.93	160.36	-2.29	4.94	22.98	-
5119.48												
						72.7	-20.93	116.02	-2.29	4.94	-62.82	-33.84
11	15	82.66	19.57	1.48e-03	-64.45	0.0	-146.58	116.43	1.15	2.95	-69.34	-
6656.43												
		-6656.43	-69.34	-2.28e-03	0.0	36.4	-146.58	96.32	1.15	2.95	-24.89	-
2700.94												
						72.7	-146.58	51.99	1.15	2.95	19.57	82.66

11	16	7130.73	-2.74	8.24e-03	-64.45	0.0	-350.61	-74.05	0.23	-12.93	-23.70		
7130.73													
		13.78	-23.70	-0.01	0.0	36.4	-350.61	-94.16	0.23	-12.93	-13.22		
4158.20													
						72.7	-350.61	-138.50	0.23	-12.93	-2.74	13.78	
11	17	35.97	60.93	-6.41e-03	-64.45	0.0	188.31	376.39	-1.32	21.17	60.93	-	
2.556e+04													
		-2.556e+04	-39.52	0.02	0.0	36.4	188.31	356.28	-1.32	21.17	10.70	-	
1.218e+04													
						72.7	188.31	311.94	-1.32	21.17	-39.52	35.97	
11	18	-32.91	106.58	1.46e-03	-64.45	0.0	-15.72	185.91	-2.25	5.30	106.58	-	
1.177e+04													
		-1.177e+04	-61.82	6.66e-03	0.0	36.4	-15.72	165.80	-2.25	5.30	22.38	-	
5316.34													
						72.7	-15.72	121.46	-2.25	5.30	-61.82	-32.91	
11	19	88.56	21.56	9.93e-04	-64.45	0.0	-143.87	120.81	1.32	2.83	-78.69	-	
6978.13													
		-6978.13	-78.69	-2.20e-03	0.0	36.4	-143.87	100.71	1.32	2.83	-28.57	-	
2858.84													
						72.7	-143.87	56.37	1.32	2.83	21.56	88.56	
11	20	7598.34	-2.73	8.47e-03	-64.45	0.0	-358.33	-80.55	0.30	-13.77	-28.65		
7598.34													
		17.82	-28.65	-0.01	0.0	36.4	-358.33	-100.66	0.30	-13.77	-15.69		
4394.02													
						72.7	-358.33	-145.00	0.30	-13.77	-2.73	17.82	
11	21	31.93	65.88	-6.64e-03	-64.45	0.0	196.04	382.89	-1.39	22.02	65.88	-	
2.603e+04													
		-2.603e+04	-39.53	0.02	0.0	36.4	196.04	362.78	-1.39	22.02	13.18	-	
1.241e+04													
						72.7	196.04	318.44	-1.39	22.02	-39.53	31.93	
11	22	-38.80	115.93	1.83e-03	-64.45	0.0	-18.42	181.52	-2.41	5.42	115.93	-	
1.145e+04													
		-1.145e+04	-63.82	6.58e-03	0.0	36.4	-18.42	161.42	-2.41	5.42	26.05	-	
5158.44													
						72.7	-18.42	117.08	-2.41	5.42	-63.82	-38.80	
11	23	87.63	20.57	1.26e-03	-64.45	0.0	-149.09	115.37	1.27	2.47	-76.50	-	
6583.48													
		-6583.48	-76.50	-2.33e-03	0.0	36.4	-149.09	95.27	1.27	2.47	-27.97	-	
2661.98													
						72.7	-149.09	50.93	1.27	2.47	20.57	87.63	
11	24	7203.68	-1.74	7.93e-03	-64.45	0.0	-353.12	-75.11	0.35	-13.41	-30.85		
7203.68													
		18.75	-30.85	-0.01	0.0	36.4	-353.12	-95.22	0.35	-13.41	-16.29		
4197.16													
						72.7	-353.12	-139.56	0.35	-13.41	-1.74	18.75	
11	25	31.00	68.08	-6.11e-03	-64.45	0.0	190.82	377.45	-1.44	21.66	68.08	-	
2.563e+04													
		-2.563e+04	-40.52	0.02	0.0	36.4	190.82	357.34	-1.44	21.66	13.78	-	
1.221e+04													
						72.7	190.82	313.00	-1.44	21.66	-40.52	31.00	
11	26	-37.88	113.73	1.61e-03	-64.45	0.0	-13.21	186.96	-2.36	5.78	113.73	-	
1.184e+04													
		-1.184e+04	-62.82	6.71e-03	0.0	36.4	-13.21	166.86	-2.36	5.78	25.45	-	
5355.30													
						72.7	-13.21	122.52	-2.36	5.78	-62.82	-37.88	
11	27	149.77	28.22	-0.01	-64.45	0.0	226.05	447.78	1.52	29.05	-84.33	-	
3.067e+04													
		-3.067e+04	-84.33	0.02	0.0	36.4	226.05	427.67	1.52	29.05	-28.06	-	
1.468e+04													
						72.7	226.05	383.34	1.52	29.05	28.22	149.77	
11	28	1.792e+04	82.48	0.02	-64.45	0.0	-488.82	-223.43	-1.87	-26.27	82.48		
1.792e+04													
		-86.01	-52.75	-0.02	0.0	36.4	-488.82	-243.54	-1.87	-26.27	14.86		
9500.65													
						72.7	-488.82	-287.88	-1.87	-26.27	-52.75	-86.01	
11	29	135.76	10.49	-0.01	-64.45	0.0	326.52	525.77	0.77	34.52	-45.25	-	
3.634e+04													
		-3.634e+04	-45.25	0.02	0.0	36.4	326.52	505.66	0.77	34.52	-17.38	-	
1.752e+04													
						72.7	326.52	461.32	0.77	34.52	10.49	135.76	
11	30	1.224e+04	121.56	0.01	-64.45	0.0	-388.35	-145.44	-2.61	-20.81	121.56		
1.224e+04													

		-100.01	-70.48	-0.01	0.0	36.4	-388.35	-165.55	-2.61	-20.81	25.54		
6658.29													
						72.7	-388.35	-209.89	-2.61	-20.81	-70.48	-	
100.01													
11	31	151.26	28.52	-0.01	-64.45	0.0	225.30	447.46	1.55	28.91	-86.48	-	
3.065e+04													
		-3.065e+04	-86.48	0.02	0.0	36.4	225.30	427.36	1.55	28.91	-28.98	-	
1.466e+04													
						72.7	225.30	383.02	1.55	28.91	28.52	151.26	
11	32	1.794e+04	80.33	0.02	-64.45	0.0	-489.57	-223.75	-1.83	-26.42	80.33		
1.794e+04													
		-84.52	-52.45	-0.02	0.0	36.4	-489.57	-243.86	-1.83	-26.42	13.94		
9512.34													
						72.7	-489.57	-288.20	-1.83	-26.42	-52.45	-84.52	
11	33	134.27	10.19	-0.01	-64.45	0.0	327.27	526.09	0.74	34.67	-43.10	-	
3.637e+04													
		-3.637e+04	-43.10	0.02	0.0	36.4	327.27	505.98	0.74	34.67	-16.45	-	
1.753e+04													
						72.7	327.27	461.64	0.74	34.67	10.19	134.27	
11	34	1.222e+04	123.71	0.01	-64.45	0.0	-387.60	-145.13	-2.64	-20.66	123.71		
1.222e+04													
		-101.51	-70.78	-0.01	0.0	36.4	-387.60	-165.23	-2.64	-20.66	26.47		
6646.60													
						72.7	-387.60	-209.57	-2.64	-20.66	-70.78	-	
101.51													
11	35	146.69	24.91	-9.23e-03	-64.45	0.0	208.67	429.65	1.37	27.85	-77.00	-	
2.936e+04													
		-2.936e+04	-77.00	0.02	0.0	36.4	208.67	409.54	1.37	27.85	-26.05	-	
1.402e+04													
						72.7	208.67	365.20	1.37	27.85	24.91	146.69	
11	36	1.660e+04	75.15	0.01	-64.45	0.0	-471.44	-205.30	-1.72	-25.07	75.15		
1.660e+04													
		-82.93	-49.44	-0.02	0.0	36.4	-471.44	-225.41	-1.72	-25.07	12.86		
8844.44													
						72.7	-471.44	-269.74	-1.72	-25.07	-49.44	-82.93	
11	37	132.68	7.18	-0.01	-64.45	0.0	309.14	507.64	0.63	33.32	-37.92	-	
3.503e+04													
		-3.503e+04	-37.92	0.02	0.0	36.4	309.14	487.53	0.63	33.32	-15.37	-	
1.686e+04													
						72.7	309.14	443.19	0.63	33.32	7.18	132.68	
11	38	1.093e+04	114.24	0.01	-64.45	0.0	-370.97	-127.31	-2.46	-19.60	114.24		
1.093e+04													
		-96.94	-67.17	-0.01	0.0	36.4	-370.97	-147.42	-2.46	-19.60	23.53		
6002.07													
						72.7	-370.97	-191.76	-2.46	-19.60	-67.17	-96.94	
11	39	148.18	25.21	-9.32e-03	-64.45	0.0	207.92	429.33	1.40	27.71	-79.15	-	
2.934e+04													
		-2.934e+04	-79.15	0.02	0.0	36.4	207.92	409.22	1.40	27.71	-26.97	-	
1.401e+04													
						72.7	207.92	364.88	1.40	27.71	25.21	148.18	
11	40	1.662e+04	73.01	0.01	-64.45	0.0	-472.19	-205.61	-1.68	-25.21	73.01		
1.662e+04													
		-81.44	-49.14	-0.02	0.0	36.4	-472.19	-225.72	-1.68	-25.21	11.93		
8856.12													
						72.7	-472.19	-270.06	-1.68	-25.21	-49.14	-81.44	
11	41	131.19	6.88	-0.01	-64.45	0.0	309.89	507.95	0.59	33.46	-35.78	-	
3.505e+04													
		-3.505e+04	-35.78	0.02	0.0	36.4	309.89	487.84	0.59	33.46	-14.45	-	
1.687e+04													
						72.7	309.89	443.51	0.59	33.46	6.88	131.19	
11	42	1.091e+04	116.38	0.01	-64.45	0.0	-370.22	-126.99	-2.50	-19.46	116.38		
1.091e+04													
		-98.43	-67.47	-0.01	0.0	36.4	-370.22	-147.10	-2.50	-19.46	24.46		
5990.39													
						72.7	-370.22	-191.44	-2.50	-19.46	-67.47	-98.43	
11	43	70.43	11.35	1.31e-03	-64.45	0.0	-128.87	128.22	0.80	3.59	-50.47	-	
7518.80													
		-7518.80	-50.47	-1.19e-03	0.0	36.4	-128.87	108.11	0.80	3.59	-19.56	-	
3138.24													
						72.7	-128.87	63.77	0.80	3.59	11.35	70.43	
11	44	3924.53	-7.54	7.42e-03	-64.45	0.0	-298.58	-29.87	0.01	-9.50	-12.22		
3924.53													

		14.71	-12.22	-9.26e-03	0.0	36.4	-298.58	-49.98	0.01	-9.50	-9.88	
2555.56												
						72.7	-298.58	-94.31	0.01	-9.50	-7.54	14.71
11	45	35.04	49.45	-5.59e-03	-64.45	0.0	136.29	332.21	-1.11	17.75	49.45	-
2.235e+04												
		-2.235e+04	-34.72	0.01	0.0	36.4	136.29	312.10	-1.11	17.75	7.37	-
1.057e+04												
						72.7	136.29	267.76	-1.11	17.75	-34.72	35.04
11	46	-20.68	87.70	1.53e-03	-64.45	0.0	-33.43	174.12	-1.89	4.66	87.70	-
1.091e+04												
		-1.091e+04	-53.61	5.56e-03	0.0	36.4	-33.43	154.01	-1.89	4.66	17.05	-
4879.04												
						72.7	-33.43	109.67	-1.89	4.66	-53.61	-20.68
11	47	69.75	10.60	1.57e-03	-64.45	0.0	-133.00	124.16	0.76	3.32	-48.81	-
7224.55												
		-7224.55	-48.81	-1.30e-03	0.0	36.4	-133.00	104.05	0.76	3.32	-19.11	-
2991.46												
						72.7	-133.00	59.71	0.76	3.32	10.60	69.75
11	48	3630.28	-6.79	6.98e-03	-64.45	0.0	-294.46	-25.81	0.05	-9.22	-13.87	
3630.28												
		15.39	-13.87	-9.14e-03	0.0	36.4	-294.46	-45.92	0.05	-9.22	-10.33	
2408.77												
						72.7	-294.46	-90.26	0.05	-9.22	-6.79	15.39
11	49	34.37	51.11	-5.16e-03	-64.45	0.0	132.16	328.15	-1.14	17.47	51.11	-
2.206e+04												
		-2.206e+04	-35.47	0.01	0.0	36.4	132.16	308.04	-1.14	17.47	7.82	-
1.043e+04												
						72.7	132.16	263.70	-1.14	17.47	-35.47	34.37
11	50	-20.00	86.05	1.36e-03	-64.45	0.0	-29.30	178.18	-1.85	4.93	86.05	-
1.120e+04												
		-1.120e+04	-52.85	5.68e-03	0.0	36.4	-29.30	158.07	-1.85	4.93	16.60	-
5025.82												
						72.7	-29.30	113.73	-1.85	4.93	-52.85	-20.00
11	51	74.19	12.02	1.22e-03	-64.45	0.0	-130.79	127.57	0.88	3.24	-55.73	-
7474.74												
		-7474.74	-55.73	-1.23e-03	0.0	36.4	-130.79	107.46	0.88	3.24	-21.85	-
3114.33												
						72.7	-130.79	63.12	0.88	3.24	12.02	74.19
11	52	3968.60	-6.87	7.25e-03	-64.45	0.0	-300.51	-30.51	0.10	-9.85	-17.47	
3968.60												
		18.47	-17.47	-9.30e-03	0.0	36.4	-300.51	-50.62	0.10	-9.85	-12.17	
2579.48												
						72.7	-300.51	-94.96	0.10	-9.85	-6.87	18.47
11	53	31.28	54.70	-5.43e-03	-64.45	0.0	138.21	332.85	-1.19	18.10	54.70	-
2.240e+04												
		-2.240e+04	-35.39	0.01	0.0	36.4	138.21	312.74	-1.19	18.10	9.66	-
1.060e+04												
						72.7	138.21	268.41	-1.19	18.10	-35.39	31.28
11	54	-24.44	92.96	1.62e-03	-64.45	0.0	-31.51	174.77	-1.97	5.01	92.96	-
1.095e+04												
		-1.095e+04	-54.28	5.61e-03	0.0	36.4	-31.51	154.66	-1.97	5.01	19.34	-
4902.95												
						72.7	-31.51	110.32	-1.97	5.01	-54.28	-24.44
11	55	73.52	11.27	1.45e-03	-64.45	0.0	-134.92	123.51	0.85	2.96	-54.07	-
7180.49												
		-7180.49	-54.07	-1.34e-03	0.0	36.4	-134.92	103.41	0.85	2.96	-21.40	-
2967.54												
						72.7	-134.92	59.07	0.85	2.96	11.27	73.52
11	56	3674.34	-6.11	6.82e-03	-64.45	0.0	-296.38	-26.46	0.13	-9.58	-19.13	
3674.34												
		19.15	-19.13	-9.18e-03	0.0	36.4	-296.38	-46.57	0.13	-9.58	-12.62	
2432.69												
						72.7	-296.38	-90.91	0.13	-9.58	-6.11	19.15
11	57	30.60	56.36	-4.99e-03	-64.45	0.0	134.08	328.80	-1.23	17.83	56.36	-
2.210e+04												
		-2.210e+04	-36.14	0.01	0.0	36.4	134.08	308.69	-1.23	17.83	10.11	-
1.045e+04												
						72.7	134.08	264.35	-1.23	17.83	-36.14	30.60
11	58	-23.77	91.30	1.44e-03	-64.45	0.0	-27.38	178.82	-1.94	5.28	91.30	-
1.125e+04												
		-1.125e+04	-53.52	5.72e-03	0.0	36.4	-27.38	158.72	-1.94	5.28	18.89	-
5049.74												

						72.7	-27.38	114.38	-1.94	5.28	-53.52	-23.77
11	59	123.06	17.26	-8.64e-03	-64.45	0.0	161.94	384.05	1.04	23.82	-60.13	-2.606e+04
		-2.606e+04	-60.13	0.01	0.0	36.4	161.94	363.94	1.04	23.82	-21.43	-1.238e+04
						72.7	161.94	319.60	1.04	23.82	17.26	123.06
11	60	1.208e+04	67.39	0.01	-64.45	0.0	-403.79	-142.90	-1.56	-19.82	67.39	1.208e+04
		-62.69	-45.70	-0.01	0.0	36.4	-403.79	-163.01	-1.56	-19.82	10.84	6596.22
						72.7	-403.79	-207.35	-1.56	-19.82	-45.70	-62.69
11	61	112.44	3.44	-0.01	-64.45	0.0	241.49	445.24	0.47	28.07	-30.16	-3.051e+04
		-3.051e+04	-30.16	0.02	0.0	36.4	241.49	425.13	0.47	28.07	-13.36	-1.461e+04
						72.7	241.49	380.79	0.47	28.07	3.44	112.44
11	62	7633.11	97.36	0.01	-64.45	0.0	-324.24	-81.71	-2.13	-15.57	97.36	7633.11
		-73.31	-59.52	-9.04e-03	0.0	36.4	-324.24	-101.82	-2.13	-15.57	18.92	4365.84
						72.7	-324.24	-146.15	-2.13	-15.57	-59.52	-73.31
11	63	124.19	17.47	-8.69e-03	-64.45	0.0	161.37	383.85	1.07	23.71	-61.71	-2.605e+04
		-2.605e+04	-61.71	0.01	0.0	36.4	161.37	363.74	1.07	23.71	-22.12	-1.238e+04
						72.7	161.37	319.40	1.07	23.71	17.47	124.19
11	64	1.210e+04	65.81	0.01	-64.45	0.0	-404.36	-143.10	-1.54	-19.92	65.81	1.210e+04
		-61.56	-45.50	-0.01	0.0	36.4	-404.36	-163.21	-1.54	-19.92	10.16	6603.40
						72.7	-404.36	-207.55	-1.54	-19.92	-45.50	-61.56
11	65	111.31	3.24	-0.01	-64.45	0.0	242.07	445.44	0.44	28.17	-28.58	-3.052e+04
		-3.052e+04	-28.58	0.02	0.0	36.4	242.07	425.33	0.44	28.17	-12.67	-1.462e+04
						72.7	242.07	380.99	0.44	28.17	3.24	111.31
11	66	7619.89	98.94	0.01	-64.45	0.0	-323.66	-81.51	-2.16	-15.46	98.94	7619.89
		-74.44	-59.72	-9.03e-03	0.0	36.4	-323.66	-101.62	-2.16	-15.46	19.61	4358.67
						72.7	-323.66	-145.96	-2.16	-15.46	-59.72	-74.44
11	67	120.80	14.75	-7.20e-03	-64.45	0.0	148.18	370.53	0.93	22.90	-54.60	-2.508e+04
		-2.508e+04	-54.60	0.01	0.0	36.4	148.18	350.42	0.93	22.90	-19.93	-1.189e+04
						72.7	148.18	306.08	0.93	22.90	14.75	120.80
11	68	1.110e+04	61.86	0.01	-64.45	0.0	-390.02	-129.38	-1.45	-18.90	61.86	1.110e+04
		-60.43	-43.19	-0.01	0.0	36.4	-390.02	-149.49	-1.45	-18.90	9.34	6106.93
						72.7	-390.02	-193.83	-1.45	-18.90	-43.19	-60.43
11	69	110.18	0.93	-9.20e-03	-64.45	0.0	227.73	431.72	0.36	27.15	-24.63	-2.953e+04
		-2.953e+04	-24.63	0.02	0.0	36.4	227.73	411.61	0.36	27.15	-11.85	-1.412e+04
						72.7	227.73	367.27	0.36	27.15	0.93	110.18
11	70	6652.27	91.84	9.03e-03	-64.45	0.0	-310.48	-68.19	-2.02	-14.65	91.84	6652.27
		-71.05	-57.01	-8.65e-03	0.0	36.4	-310.48	-88.30	-2.02	-14.65	17.41	3876.56
						72.7	-310.48	-132.63	-2.02	-14.65	-57.01	-71.05
11	71	121.92	14.95	-7.25e-03	-64.45	0.0	147.60	370.33	0.95	22.80	-56.18	-2.507e+04
		-2.507e+04	-56.18	0.01	0.0	36.4	147.60	350.22	0.95	22.80	-20.62	-1.189e+04
						72.7	147.60	305.88	0.95	22.80	14.95	121.92
11	72	1.112e+04	60.28	0.01	-64.45	0.0	-390.60	-129.58	-1.42	-19.01	60.28	1.112e+04
		-59.30	-42.98	-0.01	0.0	36.4	-390.60	-149.69	-1.42	-19.01	8.65	6114.11
						72.7	-390.60	-194.02	-1.42	-19.01	-42.98	-59.30
11	73	109.05	0.73	-9.15e-03	-64.45	0.0	228.30	431.92	0.33	27.26	-23.05	-

2.954e+04													
		-2.954e+04	-23.05	0.02	0.0	36.4	228.30	411.81	0.33	27.26	-11.16	-	
1.413e+04													
						72.7	228.30	367.47	0.33	27.26	0.73	109.05	
11	74	6639.05	93.41	9.08e-03	-64.45	0.0	-309.90	-67.99	-2.05	-14.55	93.41		
6639.05													
		-72.17	-57.21	-8.64e-03	0.0	36.4	-309.90	-88.10	-2.05	-14.55	18.10		
3869.38													
						72.7	-309.90	-132.44	-2.05	-14.55	-57.21	-72.17	
11	75	62.60	5.74	1.31e-03	-64.45	0.0	-120.59	132.19	0.57	3.68	-38.67	-	
7812.35													
		-7812.35	-38.67	-6.02e-04	0.0	36.4	-120.59	112.08	0.57	3.68	-16.47	-	
3288.93													
						72.7	-120.59	67.74	0.57	3.68	5.74	62.60	
11	76	1655.23	-6.99	6.25e-03	-64.45	0.0	-260.86	1.47	-0.08	-7.14	-6.99		
1650.12													
		16.53	-9.89	-7.26e-03	0.0	36.4	-260.86	-18.64	-0.08	-7.14	-8.44		
1419.27													
						72.7	-260.86	-62.97	-0.08	-7.14	-9.89	16.53	
11	77	33.22	44.22	-4.42e-03	-64.45	0.0	98.56	300.87	-1.01	15.39	44.22	-	
2.008e+04													
		-2.008e+04	-32.37	0.01	0.0	36.4	98.56	280.76	-1.01	15.39	5.93	-	
9436.55													
						72.7	98.56	236.42	-1.01	15.39	-32.37	33.22	
11	78	-12.85	75.91	1.52e-03	-64.45	0.0	-41.71	170.15	-1.66	4.57	75.91	-	
1.062e+04													
		-1.062e+04	-48.00	4.98e-03	0.0	36.4	-41.71	150.04	-1.66	4.57	13.96	-	
4728.35													
						72.7	-41.71	105.70	-1.66	4.57	-48.00	-12.85	
11	79	62.04	5.11	1.51e-03	-64.45	0.0	-124.00	128.83	0.54	3.45	-37.30	-	
7568.11													
		-7568.11	-37.30	-6.98e-04	0.0	36.4	-124.00	108.72	0.54	3.45	-16.09	-	
3167.09													
						72.7	-124.00	64.38	0.54	3.45	5.11	62.04	
11	80	1446.60	-8.37	5.89e-03	-64.45	0.0	-257.44	4.84	-0.05	-6.91	-8.37		
1405.87													
		17.10	-9.26	-7.17e-03	0.0	36.4	-257.44	-15.27	-0.05	-6.91	-8.81		
1297.43													
						72.7	-257.44	-59.61	-0.05	-6.91	-9.26	17.10	
11	81	32.65	45.60	-4.07e-03	-64.45	0.0	95.15	297.50	-1.04	15.16	45.60	-	
1.983e+04													
		-1.983e+04	-33.00	0.01	0.0	36.4	95.15	277.39	-1.04	15.16	6.30	-	
9314.71													
						72.7	95.15	233.05	-1.04	15.16	-33.00	32.65	
11	82	-12.29	74.53	1.38e-03	-64.45	0.0	-38.30	173.51	-1.63	4.79	74.53	-	
1.086e+04													
		-1.086e+04	-47.37	5.08e-03	0.0	36.4	-38.30	153.40	-1.63	4.79	13.58	-	
4850.19													
						72.7	-38.30	109.07	-1.63	4.79	-47.37	-12.29	
11	83	65.73	6.30	1.23e-03	-64.45	0.0	-122.17	131.66	0.64	3.39	-43.05	-	
7776.33													
		-7776.33	-43.05	-6.37e-04	0.0	36.4	-122.17	111.55	0.64	3.39	-18.37	-	
3269.36													
						72.7	-122.17	67.21	0.64	3.39	6.30	65.73	
11	84	1689.20	-9.32	6.10e-03	-64.45	0.0	-262.44	0.94	-9.03e-03	-7.43	-11.37		
1686.14													
		19.66	-11.37	-7.30e-03	0.0	36.4	-262.44	-19.17	-9.03e-03	-7.43	-10.35		
1438.85													
						72.7	-262.44	-63.51	-9.03e-03	-7.43	-9.32	19.66	
11	85	30.09	48.60	-4.28e-03	-64.45	0.0	100.15	301.40	-1.08	15.68	48.60	-	
2.011e+04													
		-2.011e+04	-32.93	0.01	0.0	36.4	100.15	281.29	-1.08	15.68	7.83	-	
9456.13													
						72.7	100.15	236.95	-1.08	15.68	-32.93	30.09	
11	86	-15.98	80.28	1.60e-03	-64.45	0.0	-40.12	170.68	-1.73	4.86	80.28	-	
1.065e+04													
		-1.065e+04	-48.56	5.02e-03	0.0	36.4	-40.12	150.57	-1.73	4.86	15.86	-	
4747.92													
						72.7	-40.12	106.23	-1.73	4.86	-48.56	-15.98	
11	87	65.17	5.68	1.41e-03	-64.45	0.0	-125.59	128.30	0.61	3.16	-41.68	-	
7532.08													
		-7532.08	-41.68	-7.32e-04	0.0	36.4	-125.59	108.19	0.61	3.16	-18.00	-	

3147.52												
						72.7	-125.59	63.85	0.61	3.16	5.68	65.17
11	88	1476.46	-8.70	5.75e-03	-64.45	0.0	-259.03	4.31	0.02	-7.21	-12.74	
1441.90												
		20.23	-12.74	-7.20e-03	0.0	36.4	-259.03	-15.80	0.02	-7.21	-10.72	
1317.01												
						72.7	-259.03	-60.14	0.02	-7.21	-8.70	20.23
11	89	29.52	49.98	-3.92e-03	-64.45	0.0	96.73	298.03	-1.11	15.46	49.98	-
1.987e+04												
		-1.987e+04	-33.56	0.01	0.0	36.4	96.73	277.92	-1.11	15.46	8.21	-
9334.29												
						72.7	96.73	233.58	-1.11	15.46	-33.56	29.52
11	90	-15.42	78.91	1.45e-03	-64.45	0.0	-36.71	174.04	-1.70	5.09	78.91	-
1.090e+04												
		-1.090e+04	-47.94	5.11e-03	0.0	36.4	-36.71	153.93	-1.70	5.09	15.49	-
4869.76												
						72.7	-36.71	109.60	-1.70	5.09	-47.94	-15.42
11	91	106.06	10.63	-6.98e-03	-64.45	0.0	119.76	343.73	0.77	20.40	-46.62	-
2.314e+04												
		-2.314e+04	-46.62	0.01	0.0	36.4	119.76	323.63	0.77	20.40	-18.00	-
1.093e+04												
						72.7	119.76	279.29	0.77	20.40	10.63	106.06
11	92	8396.62	58.99	0.01	-64.45	0.0	-347.80	-92.00	-1.39	-15.67	58.99	
8396.62												
		-47.50	-41.46	-0.01	0.0	36.4	-347.80	-112.11	-1.39	-15.67	8.76	
4760.50												
						72.7	-347.80	-156.45	-1.39	-15.67	-41.46	-47.50
11	93	97.25	-0.80	-8.61e-03	-64.45	0.0	185.51	394.34	0.29	23.92	-21.75	-
2.682e+04												
		-2.682e+04	-21.75	0.02	0.0	36.4	185.51	374.23	0.29	23.92	-11.28	-
1.278e+04												
						72.7	185.51	329.89	0.29	23.92	-0.80	97.25
11	94	4716.86	83.85	8.80e-03	-64.45	0.0	-282.06	-41.40	-1.86	-12.16	83.85	
4716.86												
		-56.31	-52.89	-7.07e-03	0.0	36.4	-282.06	-61.50	-1.86	-12.16	15.48	
2916.22												
						72.7	-282.06	-105.84	-1.86	-12.16	-52.89	-56.31
11	95	107.00	10.80	-7.02e-03	-64.45	0.0	119.29	343.58	0.79	20.32	-47.94	-
2.313e+04												
		-2.313e+04	-47.94	0.01	0.0	36.4	119.29	323.47	0.79	20.32	-18.57	-
1.093e+04												
						72.7	119.29	279.13	0.79	20.32	10.80	107.00
11	96	8407.43	57.67	0.01	-64.45	0.0	-348.28	-92.16	-1.36	-15.76	57.67	
8407.43												
		-46.56	-41.29	-0.01	0.0	36.4	-348.28	-112.27	-1.36	-15.76	8.19	
4766.38												
						72.7	-348.28	-156.60	-1.36	-15.76	-41.29	-46.56
11	97	96.31	-0.97	-8.57e-03	-64.45	0.0	185.98	394.50	0.27	24.00	-20.44	-
2.684e+04												
		-2.684e+04	-20.44	0.02	0.0	36.4	185.98	374.39	0.27	24.00	-10.71	-
1.278e+04												
						72.7	185.98	330.05	0.27	24.00	-0.97	96.31
11	98	4706.06	85.17	8.85e-03	-64.45	0.0	-281.58	-41.24	-1.88	-12.07	85.17	
4706.06												
		-57.25	-53.06	-7.06e-03	0.0	36.4	-281.58	-61.35	-1.88	-12.07	16.05	
2910.35												
						72.7	-281.58	-105.68	-1.88	-12.07	-53.06	-57.25
11	99	104.18	8.55	-5.79e-03	-64.45	0.0	108.39	332.51	0.67	19.64	-42.04	-
2.233e+04												
		-2.233e+04	-42.04	0.01	0.0	36.4	108.39	312.40	0.67	19.64	-16.75	-
1.053e+04												
						72.7	108.39	268.06	0.67	19.64	8.55	104.18
11	100	7582.47	54.40	9.25e-03	-64.45	0.0	-336.43	-80.78	-1.29	-14.91	54.40	
7582.47												
		-45.62	-39.37	-0.01	0.0	36.4	-336.43	-100.88	-1.29	-14.91	7.52	
4354.37												
						72.7	-336.43	-145.22	-1.29	-14.91	-39.37	-45.62
11	101	95.37	-2.89	-7.42e-03	-64.45	0.0	174.13	383.11	0.20	23.16	-17.17	-
2.601e+04												
		-2.601e+04	-17.17	0.01	0.0	36.4	174.13	363.01	0.20	23.16	-10.03	-
1.237e+04												
						72.7	174.13	318.67	0.20	23.16	-2.89	95.37

11	102	3902.72	79.27	7.62e-03	-64.45	0.0	-270.68	-30.17	-1.77	-11.40	79.27	3902.72
		-54.43	-50.80	-6.75e-03	0.0	36.4	-270.68	-50.28	-1.77	-11.40	14.23	2510.09
						72.7	-270.68	-94.62	-1.77	-11.40	-50.80	-54.43
11	103	105.12	8.72	-5.83e-03	-64.45	0.0	107.91	332.35	0.70	19.56	-43.35	-2.232e+04
		-2.232e+04	-43.35	0.01	0.0	36.4	107.91	312.24	0.70	19.56	-17.32	-1.052e+04
						72.7	107.91	267.91	0.70	19.56	8.72	105.12
11	104	7593.28	53.09	9.21e-03	-64.45	0.0	-336.90	-80.94	-1.27	-15.00	53.09	7593.28
		-44.68	-39.20	-0.01	0.0	36.4	-336.90	-101.04	-1.27	-15.00	6.94	4360.24
						72.7	-336.90	-145.38	-1.27	-15.00	-39.20	-44.68
11	105	94.43	-3.06	-7.38e-03	-64.45	0.0	174.61	383.27	0.18	23.24	-15.86	-2.602e+04
		-2.602e+04	-15.86	0.01	0.0	36.4	174.61	363.16	0.18	23.24	-9.46	-1.238e+04
						72.7	174.61	318.83	0.18	23.24	-3.06	94.43
11	106	3891.91	80.59	7.66e-03	-64.45	0.0	-270.21	-30.01	-1.79	-11.31	80.59	3891.91
		-55.37	-50.97	-6.74e-03	0.0	36.4	-270.21	-50.12	-1.79	-11.31	14.81	2504.21
						72.7	-270.21	-94.46	-1.79	-11.31	-50.97	-55.37
12	1	136.70	115.53	-4.88e-03	-10.72	0.0	-0.48	5.36	1.70	0.83	-57.60	0.0
		0.0	-57.60	6.45e-03	0.0	51.0	-0.48	0.0	1.70	0.83	28.97	136.70
						102.0	-0.48	-5.36	1.70	0.83	115.53	0.0
12	2	136.70	569.14	-0.02	-10.72	0.0	-2.79	5.36	8.47	2.61	-294.88	0.0
		0.0	-294.88	0.02	0.0	51.0	-2.79	0.0	8.47	2.61	137.13	136.70
						102.0	-2.79	-5.36	8.47	2.61	569.14	0.0
12	3	105.15	80.31	-3.49e-03	-8.25	0.0	-0.33	4.12	1.18	0.61	-39.83	0.0
		0.0	-39.83	4.68e-03	0.0	51.0	-0.33	0.0	1.18	0.61	20.24	105.15
						102.0	-0.33	-4.12	1.18	0.61	80.31	0.0
12	4	105.15	533.92	-0.02	-8.25	0.0	-2.63	4.12	7.95	2.39	-277.11	0.0
		0.0	-277.11	0.02	0.0	51.0	-2.63	0.0	7.95	2.39	128.40	105.15
						102.0	-2.63	-4.12	7.95	2.39	533.92	0.0
12	5	105.15	85.15	-3.64e-03	-8.25	0.0	-0.35	4.12	1.25	0.63	-42.36	0.0
		0.0	-42.36	4.84e-03	0.0	51.0	-0.35	0.0	1.25	0.63	21.40	105.15
						102.0	-0.35	-4.12	1.25	0.63	85.15	0.0
12	6	105.15	387.55	-0.01	-8.25	0.0	-1.89	4.12	5.77	1.81	-200.55	0.0
		0.0	-200.55	0.01	0.0	51.0	-1.89	0.0	5.77	1.81	93.50	105.15
						102.0	-1.89	-4.12	5.77	1.81	387.55	0.0
12	7	105.15	85.15	-3.64e-03	-8.25	0.0	-0.35	4.12	1.25	0.63	-42.36	0.0
		0.0	-42.36	4.84e-03	0.0	51.0	-0.35	0.0	1.25	0.63	21.40	105.15
						102.0	-0.35	-4.12	1.25	0.63	85.15	0.0
12	8	105.15	296.83	-0.01	-8.25	0.0	-1.43	4.12	4.41	1.46	-153.09	0.0
		0.0	-153.09	0.01	0.0	51.0	-1.43	0.0	4.41	1.46	71.87	105.15
						102.0	-1.43	-4.12	4.41	1.46	296.83	0.0
12	9	105.15	85.15	-3.64e-03	-8.25	0.0	-0.35	4.12	1.25	0.63	-42.36	0.0
		0.0	-42.36	4.84e-03	0.0	51.0	-0.35	0.0	1.25	0.63	21.40	105.15
						102.0	-0.35	-4.12	1.25	0.63	85.15	0.0
12	10	105.15	266.59	-9.22e-03	-8.25	0.0	-1.28	4.12	3.96	1.34	-137.27	0.0
		0.0	-137.27	0.01	0.0	51.0	-1.28	0.0	3.96	1.34	64.66	105.15
						102.0	-1.28	-4.12	3.96	1.34	266.59	0.0
12	11	105.15	1242.48	-0.01	-8.25	0.0	53.33	4.12	17.84	15.16	-574.92	0.0
		0.0	-574.92	0.05	0.0	51.0	53.33	0.0	17.84	15.16	333.78	105.15
						102.0	53.33	-4.12	17.84	15.16	1242.48	0.0
12	12	105.15	1541.61	0.12	-8.25	0.0	77.43	4.12	22.35	4.30	-740.30	0.0
		0.0	-740.30	-0.02	0.0	51.0	77.43	0.0	22.35	4.30	400.65	105.15
						102.0	77.43	-4.12	22.35	4.30	1541.61	0.0
12	13	105.15	465.75	-0.13	-8.25	0.0	-79.99	4.12	-14.43	-1.63	465.75	0.0
		0.0	-1008.42	0.03	0.0	51.0	-79.99	0.0	-14.43	-1.63	-271.33	105.15
						102.0	-79.99	-4.12	-14.43	-1.63	-1008.42	0.0
12	14	105.15	300.37	-7.16e-03	-8.25	0.0	-55.88	4.12	-9.92	-12.48	300.37	0.0
		0.0	-709.29	-0.03	0.0	51.0	-55.88	0.0	-9.92	-12.48	-204.46	105.15
						102.0	-55.88	-4.12	-9.92	-12.48	-709.29	0.0
12	15	105.15	1240.20	-9.28e-03	-8.25	0.0	55.21	4.12	17.91	15.52	-583.98	0.0
		0.0	-583.98	0.05	0.0	51.0	55.21	0.0	17.91	15.52	328.11	105.15
						102.0	55.21	-4.12	17.91	15.52	1240.20	0.0
12	16	105.15	1543.89	0.11	-8.25	0.0	75.56	4.12	22.28	3.94	-731.24	0.0
		0.0	-731.24	-0.02	0.0	51.0	75.56	0.0	22.28	3.94	406.33	105.15

						102.0	75.56	-4.12	22.28	3.94	1543.89	0.0
12	17	105.15	456.69	-0.13	-8.25	0.0	-78.11	4.12	-14.36	-1.26	456.69	0.0
		0.0	-1010.70	0.03	0.0	51.0	-78.11	0.0	-14.36	-1.26	-277.01	105.15
						102.0	-78.11	-4.12	-14.36	-1.26	-1010.70	0.0
12	18	105.15	309.43	-9.17e-03	-8.25	0.0	-57.76	4.12	-9.99	-12.84	309.43	0.0
		0.0	-707.01	-0.03	0.0	51.0	-57.76	0.0	-9.99	-12.84	-198.79	105.15
						102.0	-57.76	-4.12	-9.99	-12.84	-707.01	0.0
12	19	105.15	1304.79	-6.22e-03	-8.25	0.0	56.66	4.12	18.74	15.23	-605.23	0.0
		0.0	-605.23	0.05	0.0	51.0	56.66	0.0	18.74	15.23	349.78	105.15
						102.0	56.66	-4.12	18.74	15.23	1304.79	0.0
12	20	105.15	1603.92	0.12	-8.25	0.0	80.76	4.12	23.26	4.38	-770.61	0.0
		0.0	-770.61	-0.02	0.0	51.0	80.76	0.0	23.26	4.38	416.65	105.15
						102.0	80.76	-4.12	23.26	4.38	1603.92	0.0
12	21	105.15	496.07	-0.14	-8.25	0.0	-83.31	4.12	-15.34	-1.70	496.07	0.0
		0.0	-1070.73	0.03	0.0	51.0	-83.31	0.0	-15.34	-1.70	-287.33	105.15
						102.0	-83.31	-4.12	-15.34	-1.70	-1070.73	0.0
12	22	105.15	330.68	-0.01	-8.25	0.0	-59.21	4.12	-10.83	-12.55	330.68	0.0
		0.0	-771.60	-0.03	0.0	51.0	-59.21	0.0	-10.83	-12.55	-220.46	105.15
						102.0	-59.21	-4.12	-10.83	-12.55	-771.60	0.0
12	23	105.15	1302.51	-4.22e-03	-8.25	0.0	58.54	4.12	18.82	15.60	-614.30	0.0
		0.0	-614.30	0.05	0.0	51.0	58.54	0.0	18.82	15.60	344.11	105.15
						102.0	58.54	-4.12	18.82	15.60	1302.51	0.0
12	24	105.15	1606.20	0.12	-8.25	0.0	78.88	4.12	23.18	4.01	-761.55	0.0
		0.0	-761.55	-0.02	0.0	51.0	78.88	0.0	23.18	4.01	422.33	105.15
						102.0	78.88	-4.12	23.18	4.01	1606.20	0.0
12	25	105.15	487.00	-0.14	-8.25	0.0	-81.44	4.12	-15.27	-1.33	487.00	0.0
		0.0	-1073.01	0.03	0.0	51.0	-81.44	0.0	-15.27	-1.33	-293.01	105.15
						102.0	-81.44	-4.12	-15.27	-1.33	-1073.01	0.0
12	26	105.15	339.75	-0.01	-8.25	0.0	-61.09	4.12	-10.90	-12.92	339.75	0.0
		0.0	-769.32	-0.03	0.0	51.0	-61.09	0.0	-10.90	-12.92	-214.79	105.15
						102.0	-61.09	-4.12	-10.90	-12.92	-769.32	0.0
12	27	105.15	105.68	-0.20	-8.25	0.0	-21.45	4.12	1.27	21.94	-17.73	0.0
		0.0	-17.73	0.11	0.0	51.0	-21.45	0.0	1.27	21.94	43.97	105.15
						102.0	-21.45	-4.12	1.27	21.94	105.68	0.0
12	28	105.15	1102.78	0.22	-8.25	0.0	58.89	4.12	16.33	-14.23	-569.02	0.0
		0.0	-569.02	-0.08	0.0	51.0	58.89	0.0	16.33	-14.23	266.88	105.15
						102.0	58.89	-4.12	16.33	-14.23	1102.78	0.0
12	29	105.15	294.47	-0.24	-8.25	0.0	-61.44	4.12	-8.41	16.91	294.47	0.0
		0.0	-569.59	0.11	0.0	51.0	-61.44	0.0	-8.41	16.91	-137.56	105.15
						102.0	-61.44	-4.12	-8.41	16.91	-569.59	0.0
12	30	105.15	427.51	0.18	-8.25	0.0	18.90	4.12	6.65	-19.26	-256.82	0.0
		0.0	-256.82	-0.09	0.0	51.0	18.90	0.0	6.65	-19.26	85.35	105.15
						102.0	18.90	-4.12	6.65	-19.26	427.51	0.0
12	31	105.15	124.37	-0.20	-8.25	0.0	-20.45	4.12	1.54	21.96	-26.83	0.0
		0.0	-26.83	0.11	0.0	51.0	-20.45	0.0	1.54	21.96	48.77	105.15
						102.0	-20.45	-4.12	1.54	21.96	124.37	0.0
12	32	105.15	1121.47	0.22	-8.25	0.0	59.89	4.12	16.60	-14.21	-578.11	0.0
		0.0	-578.11	-0.08	0.0	51.0	59.89	0.0	16.60	-14.21	271.68	105.15
						102.0	59.89	-4.12	16.60	-14.21	1121.47	0.0
12	33	105.15	303.56	-0.24	-8.25	0.0	-62.44	4.12	-8.68	16.89	303.56	0.0
		0.0	-588.29	0.10	0.0	51.0	-62.44	0.0	-8.68	16.89	-142.36	105.15
						102.0	-62.44	-4.12	-8.68	16.89	-588.29	0.0
12	34	105.15	408.81	0.18	-8.25	0.0	17.90	4.12	6.37	-19.29	-247.72	0.0
		0.0	-247.72	-0.09	0.0	51.0	17.90	0.0	6.37	-19.29	80.55	105.15
						102.0	17.90	-4.12	6.37	-19.29	408.81	0.0
12	35	105.15	98.08	-0.20	-8.25	0.0	-15.19	4.12	1.53	23.16	-47.95	0.0
		0.0	-47.95	0.11	0.0	51.0	-15.19	0.0	1.53	23.16	25.06	105.15
						102.0	-15.19	-4.12	1.53	23.16	98.08	0.0
12	36	105.15	1110.38	0.21	-8.25	0.0	52.63	4.12	16.07	-15.45	-538.80	0.0
		0.0	-538.80	-0.08	0.0	51.0	52.63	0.0	16.07	-15.45	285.79	105.15
						102.0	52.63	-4.12	16.07	-15.45	1110.38	0.0
12	37	105.15	264.25	-0.23	-8.25	0.0	-55.18	4.12	-8.15	18.13	264.25	0.0
		0.0	-577.19	0.10	0.0	51.0	-55.18	0.0	-8.15	18.13	-156.47	105.15
						102.0	-55.18	-4.12	-8.15	18.13	-577.19	0.0
12	38	105.15	435.11	0.18	-8.25	0.0	12.64	4.12	6.39	-20.49	-226.60	0.0
		0.0	-226.60	-0.08	0.0	51.0	12.64	0.0	6.39	-20.49	104.26	105.15
						102.0	12.64	-4.12	6.39	-20.49	435.11	0.0
12	39	105.15	116.77	-0.19	-8.25	0.0	-14.19	4.12	1.80	23.19	-57.05	0.0
		0.0	-57.05	0.11	0.0	51.0	-14.19	0.0	1.80	23.19	29.86	105.15
						102.0	-14.19	-4.12	1.80	23.19	116.77	0.0
12	40	105.15	1129.07	0.21	-8.25	0.0	53.63	4.12	16.35	-15.43	-547.89	0.0
		0.0	-547.89	-0.08	0.0	51.0	53.63	0.0	16.35	-15.43	290.59	105.15

						102.0	53.63	-4.12	16.35	-15.43	1129.07	0.0
12	41	105.15	273.34	-0.23	-8.25	0.0	-56.18	4.12	-8.43	18.11	273.34	0.0
		0.0	-595.89	0.10	0.0	51.0	-56.18	0.0	-8.43	18.11	-161.27	105.15
						102.0	-56.18	-4.12	-8.43	18.11	-595.89	0.0
12	42	105.15	416.41	0.18	-8.25	0.0	11.64	4.12	6.12	-20.51	-217.50	0.0
		0.0	-217.50	-0.08	0.0	51.0	11.64	0.0	6.12	-20.51	99.46	105.15
						102.0	11.64	-4.12	6.12	-20.51	416.41	0.0
12	43	105.15	1035.76	-0.01	-8.25	0.0	41.86	4.12	14.89	12.28	-481.92	0.0
		0.0	-481.92	0.04	0.0	51.0	41.86	0.0	14.89	12.28	276.92	105.15
						102.0	41.86	-4.12	14.89	12.28	1035.76	0.0
12	44	105.15	1270.48	0.09	-8.25	0.0	60.91	4.12	18.44	3.68	-611.97	0.0
		0.0	-611.97	-0.02	0.0	51.0	60.91	0.0	18.44	3.68	329.25	105.15
						102.0	60.91	-4.12	18.44	3.68	1270.48	0.0
12	45	105.15	337.42	-0.11	-8.25	0.0	-63.46	4.12	-10.52	-1.00	337.42	0.0
		0.0	-737.29	0.03	0.0	51.0	-63.46	0.0	-10.52	-1.00	-199.93	105.15
						102.0	-63.46	-4.12	-10.52	-1.00	-737.29	0.0
12	46	105.15	207.37	-8.02e-03	-8.25	0.0	-44.41	4.12	-6.97	-9.60	207.37	0.0
		0.0	-502.57	-0.02	0.0	51.0	-44.41	0.0	-6.97	-9.60	-147.60	105.15
						102.0	-44.41	-4.12	-6.97	-9.60	-502.57	0.0
12	47	105.15	1034.05	-8.84e-03	-8.25	0.0	43.35	4.12	14.96	12.57	-489.22	0.0
		0.0	-489.22	0.04	0.0	51.0	43.35	0.0	14.96	12.57	272.42	105.15
						102.0	43.35	-4.12	14.96	12.57	1034.05	0.0
12	48	105.15	1272.18	0.09	-8.25	0.0	59.41	4.12	18.38	3.39	-604.67	0.0
		0.0	-604.67	-0.02	0.0	51.0	59.41	0.0	18.38	3.39	333.75	105.15
						102.0	59.41	-4.12	18.38	3.39	1272.18	0.0
12	49	105.15	330.13	-0.11	-8.25	0.0	-61.96	4.12	-10.46	-0.71	330.13	0.0
		0.0	-739.00	0.03	0.0	51.0	-61.96	0.0	-10.46	-0.71	-204.44	105.15
						102.0	-61.96	-4.12	-10.46	-0.71	-739.00	0.0
12	50	105.15	214.67	-9.61e-03	-8.25	0.0	-45.91	4.12	-7.04	-9.89	214.67	0.0
		0.0	-500.87	-0.02	0.0	51.0	-45.91	0.0	-7.04	-9.89	-143.10	105.15
						102.0	-45.91	-4.12	-7.04	-9.89	-500.87	0.0
12	51	105.15	1085.02	-6.47e-03	-8.25	0.0	44.48	4.12	15.61	12.33	-505.92	0.0
		0.0	-505.92	0.04	0.0	51.0	44.48	0.0	15.61	12.33	289.55	105.15
						102.0	44.48	-4.12	15.61	12.33	1085.02	0.0
12	52	105.15	1319.74	0.09	-8.25	0.0	63.53	4.12	19.16	3.73	-635.97	0.0
		0.0	-635.97	-0.02	0.0	51.0	63.53	0.0	19.16	3.73	341.89	105.15
						102.0	63.53	-4.12	19.16	3.73	1319.74	0.0
12	53	105.15	361.42	-0.11	-8.25	0.0	-66.08	4.12	-11.24	-1.06	361.42	0.0
		0.0	-786.55	0.03	0.0	51.0	-66.08	0.0	-11.24	-1.06	-212.57	105.15
						102.0	-66.08	-4.12	-11.24	-1.06	-786.55	0.0
12	54	105.15	231.37	-0.01	-8.25	0.0	-47.03	4.12	-7.69	-9.66	231.37	0.0
		0.0	-551.83	-0.02	0.0	51.0	-47.03	0.0	-7.69	-9.66	-160.23	105.15
						102.0	-47.03	-4.12	-7.69	-9.66	-551.83	0.0
12	55	105.15	1083.31	-4.87e-03	-8.25	0.0	45.97	4.12	15.67	12.62	-513.21	0.0
		0.0	-513.21	0.04	0.0	51.0	45.97	0.0	15.67	12.62	285.05	105.15
						102.0	45.97	-4.12	15.67	12.62	1083.31	0.0
12	56	105.15	1321.45	0.09	-8.25	0.0	62.03	4.12	19.10	3.44	-628.67	0.0
		0.0	-628.67	-0.02	0.0	51.0	62.03	0.0	19.10	3.44	346.39	105.15
						102.0	62.03	-4.12	19.10	3.44	1321.45	0.0
12	57	105.15	354.12	-0.11	-8.25	0.0	-64.58	4.12	-11.18	-0.77	354.12	0.0
		0.0	-788.26	0.03	0.0	51.0	-64.58	0.0	-11.18	-0.77	-217.07	105.15
						102.0	-64.58	-4.12	-11.18	-0.77	-788.26	0.0
12	58	105.15	238.67	-0.01	-8.25	0.0	-48.53	4.12	-7.76	-9.95	238.67	0.0
		0.0	-550.13	-0.02	0.0	51.0	-48.53	0.0	-7.76	-9.95	-155.73	105.15
						102.0	-48.53	-4.12	-7.76	-9.95	-550.13	0.0
12	59	105.15	141.35	-0.16	-8.25	0.0	-17.24	4.12	1.86	17.66	-43.42	0.0
		0.0	-43.42	0.09	0.0	51.0	-17.24	0.0	1.86	17.66	48.97	105.15
						102.0	-17.24	-4.12	1.86	17.66	141.35	0.0
12	60	105.15	923.75	0.17	-8.25	0.0	46.28	4.12	13.68	-11.00	-476.93	0.0
		0.0	-476.93	-0.06	0.0	51.0	46.28	0.0	13.68	-11.00	223.41	105.15
						102.0	46.28	-4.12	13.68	-11.00	923.75	0.0
12	61	105.15	202.38	-0.19	-8.25	0.0	-48.83	4.12	-5.76	13.68	202.38	0.0
		0.0	-390.56	0.09	0.0	51.0	-48.83	0.0	-5.76	13.68	-94.09	105.15
						102.0	-48.83	-4.12	-5.76	13.68	-390.56	0.0
12	62	105.15	391.83	0.14	-8.25	0.0	14.69	4.12	6.06	-14.98	-231.13	0.0
		0.0	-231.13	-0.07	0.0	51.0	14.69	0.0	6.06	-14.98	80.35	105.15
						102.0	14.69	-4.12	6.06	-14.98	391.83	0.0
12	63	105.15	156.13	-0.16	-8.25	0.0	-16.45	4.12	2.08	17.68	-50.62	0.0
		0.0	-50.62	0.09	0.0	51.0	-16.45	0.0	2.08	17.68	52.76	105.15
						102.0	-16.45	-4.12	2.08	17.68	156.13	0.0
12	64	105.15	938.53	0.17	-8.25	0.0	47.07	4.12	13.90	-10.98	-484.13	0.0
		0.0	-484.13	-0.06	0.0	51.0	47.07	0.0	13.90	-10.98	227.20	105.15

						102.0	47.07	-4.12	13.90	-10.98	938.53	0.0
12	65	105.15	209.58	-0.19	-8.25	0.0	-49.62	4.12	-5.98	13.66	209.58	0.0
		0.0	-405.34	0.09	0.0	51.0	-49.62	0.0	-5.98	13.66	-97.88	105.15
						102.0	-49.62	-4.12	-5.98	13.66	-405.34	0.0
12	66	105.15	377.05	0.14	-8.25	0.0	13.90	4.12	5.84	-15.00	-223.93	0.0
		0.0	-223.93	-0.07	0.0	51.0	13.90	0.0	5.84	-15.00	76.56	105.15
						102.0	13.90	-4.12	5.84	-15.00	377.05	0.0
12	67	105.15	135.66	-0.16	-8.25	0.0	-12.24	4.12	2.07	18.63	-67.75	0.0
		0.0	-67.75	0.09	0.0	51.0	-12.24	0.0	2.07	18.63	33.96	105.15
						102.0	-12.24	-4.12	2.07	18.63	135.66	0.0
12	68	105.15	929.44	0.17	-8.25	0.0	41.28	4.12	13.47	-11.97	-452.60	0.0
		0.0	-452.60	-0.06	0.0	51.0	41.28	0.0	13.47	-11.97	238.42	105.15
						102.0	41.28	-4.12	13.47	-11.97	929.44	0.0
12	69	105.15	178.06	-0.19	-8.25	0.0	-43.84	4.12	-5.55	14.65	178.06	0.0
		0.0	-396.25	0.08	0.0	51.0	-43.84	0.0	-5.55	14.65	-109.10	105.15
						102.0	-43.84	-4.12	-5.55	14.65	-396.25	0.0
12	70	105.15	397.52	0.14	-8.25	0.0	9.69	4.12	5.85	-15.95	-206.80	0.0
		0.0	-206.80	-0.06	0.0	51.0	9.69	0.0	5.85	-15.95	95.36	105.15
						102.0	9.69	-4.12	5.85	-15.95	397.52	0.0
12	71	105.15	150.44	-0.15	-8.25	0.0	-11.45	4.12	2.29	18.65	-74.95	0.0
		0.0	-74.95	0.09	0.0	51.0	-11.45	0.0	2.29	18.65	37.75	105.15
						102.0	-11.45	-4.12	2.29	18.65	150.44	0.0
12	72	105.15	944.22	0.17	-8.25	0.0	42.07	4.12	13.69	-11.95	-459.80	0.0
		0.0	-459.80	-0.06	0.0	51.0	42.07	0.0	13.69	-11.95	242.21	105.15
						102.0	42.07	-4.12	13.69	-11.95	944.22	0.0
12	73	105.15	185.26	-0.19	-8.25	0.0	-44.62	4.12	-5.77	14.63	185.26	0.0
		0.0	-411.03	0.08	0.0	51.0	-44.62	0.0	-5.77	14.63	-112.89	105.15
						102.0	-44.62	-4.12	-5.77	14.63	-411.03	0.0
12	74	105.15	382.74	0.14	-8.25	0.0	8.90	4.12	5.63	-15.97	-199.60	0.0
		0.0	-199.60	-0.06	0.0	51.0	8.90	0.0	5.63	-15.97	91.57	105.15
						102.0	8.90	-4.12	5.63	-15.97	382.74	0.0
12	75	105.15	902.89	-0.01	-8.25	0.0	34.40	4.12	13.01	10.38	-422.41	0.0
		0.0	-422.41	0.04	0.0	51.0	34.40	0.0	13.01	10.38	240.24	105.15
						102.0	34.40	-4.12	13.01	10.38	902.89	0.0
12	76	105.15	1097.05	0.07	-8.25	0.0	50.16	4.12	15.94	3.28	-529.97	0.0
		0.0	-529.97	-0.01	0.0	51.0	50.16	0.0	15.94	3.28	283.54	105.15
						102.0	50.16	-4.12	15.94	3.28	1097.05	0.0
12	77	105.15	255.42	-0.09	-8.25	0.0	-52.71	4.12	-8.02	-0.60	255.42	0.0
		0.0	-563.87	0.02	0.0	51.0	-52.71	0.0	-8.02	-0.60	-154.22	105.15
						102.0	-52.71	-4.12	-8.02	-0.60	-563.87	0.0
12	78	105.15	147.86	-8.22e-03	-8.25	0.0	-36.95	4.12	-5.09	-7.70	147.86	0.0
		0.0	-369.70	-0.02	0.0	51.0	-36.95	0.0	-5.09	-7.70	-110.92	105.15
						102.0	-36.95	-4.12	-5.09	-7.70	-369.70	0.0
12	79	105.15	901.46	-8.92e-03	-8.25	0.0	35.64	4.12	13.06	10.62	-428.43	0.0
		0.0	-428.43	0.04	0.0	51.0	35.64	0.0	13.06	10.62	236.52	105.15
						102.0	35.64	-4.12	13.06	10.62	901.46	0.0
12	80	105.15	1098.48	0.07	-8.25	0.0	48.92	4.12	15.89	3.04	-523.95	0.0
		0.0	-523.95	-0.01	0.0	51.0	48.92	0.0	15.89	3.04	287.26	105.15
						102.0	48.92	-4.12	15.89	3.04	1098.48	0.0
12	81	105.15	249.40	-0.09	-8.25	0.0	-51.47	4.12	-7.97	-0.36	249.40	0.0
		0.0	-565.29	0.02	0.0	51.0	-51.47	0.0	-7.97	-0.36	-157.95	105.15
						102.0	-51.47	-4.12	-7.97	-0.36	-565.29	0.0
12	82	105.15	153.88	-9.53e-03	-8.25	0.0	-38.19	4.12	-5.14	-7.94	153.88	0.0
		0.0	-368.28	-0.01	0.0	51.0	-38.19	0.0	-5.14	-7.94	-107.20	105.15
						102.0	-38.19	-4.12	-5.14	-7.94	-368.28	0.0
12	83	105.15	943.53	-6.96e-03	-8.25	0.0	36.56	4.12	13.60	10.43	-442.21	0.0
		0.0	-442.21	0.04	0.0	51.0	36.56	0.0	13.60	10.43	250.66	105.15
						102.0	36.56	-4.12	13.60	10.43	943.53	0.0
12	84	105.15	1137.70	0.08	-8.25	0.0	52.32	4.12	16.53	3.32	-549.77	0.0
		0.0	-549.77	-0.01	0.0	51.0	52.32	0.0	16.53	3.32	293.96	105.15
						102.0	52.32	-4.12	16.53	3.32	1137.70	0.0
12	85	105.15	275.22	-0.09	-8.25	0.0	-54.87	4.12	-8.61	-0.64	275.22	0.0
		0.0	-604.51	0.02	0.0	51.0	-54.87	0.0	-8.61	-0.64	-164.65	105.15
						102.0	-54.87	-4.12	-8.61	-0.64	-604.51	0.0
12	86	105.15	167.66	-0.01	-8.25	0.0	-39.11	4.12	-5.68	-7.75	167.66	0.0
		0.0	-410.34	-0.02	0.0	51.0	-39.11	0.0	-5.68	-7.75	-121.34	105.15
						102.0	-39.11	-4.12	-5.68	-7.75	-410.34	0.0
12	87	105.15	942.11	-5.64e-03	-8.25	0.0	37.80	4.12	13.65	10.67	-448.23	0.0
		0.0	-448.23	0.04	0.0	51.0	37.80	0.0	13.65	10.67	246.94	105.15
						102.0	37.80	-4.12	13.65	10.67	942.11	0.0
12	88	105.15	1139.12	0.07	-8.25	0.0	51.08	4.12	16.48	3.08	-543.75	0.0
		0.0	-543.75	-0.01	0.0	51.0	51.08	0.0	16.48	3.08	297.69	105.15

						102.0	51.08	-4.12	16.48	3.08	1139.12	0.0
12	89	105.15	269.20	-0.09	-8.25	0.0	-53.63	4.12	-8.56	-0.40	269.20	0.0
		0.0	-605.94	0.02	0.0	51.0	-53.63	0.0	-8.56	-0.40	-168.37	105.15
						102.0	-53.63	-4.12	-8.56	-0.40	-605.94	0.0
12	90	105.15	173.68	-0.01	-8.25	0.0	-40.35	4.12	-5.73	-7.99	173.68	0.0
		0.0	-408.92	-0.02	0.0	51.0	-40.35	0.0	-5.73	-7.99	-117.62	105.15
						102.0	-40.35	-4.12	-5.73	-7.99	-408.92	0.0
12	91	105.15	162.99	-0.14	-8.25	0.0	-14.46	4.12	2.22	14.83	-59.68	0.0
		0.0	-59.68	0.08	0.0	51.0	-14.46	0.0	2.22	14.83	51.65	105.15
						102.0	-14.46	-4.12	2.22	14.83	162.99	0.0
12	92	105.15	810.22	0.14	-8.25	0.0	38.05	4.12	12.00	-8.86	-418.21	0.0
		0.0	-418.21	-0.05	0.0	51.0	38.05	0.0	12.00	-8.86	196.00	105.15
						102.0	38.05	-4.12	12.00	-8.86	810.22	0.0
12	93	105.15	143.66	-0.16	-8.25	0.0	-40.60	4.12	-4.08	11.54	143.66	0.0
		0.0	-277.03	0.07	0.0	51.0	-40.60	0.0	-4.08	11.54	-66.68	105.15
						102.0	-40.60	-4.12	-4.08	11.54	-277.03	0.0
12	94	105.15	370.19	0.12	-8.25	0.0	11.91	4.12	5.69	-12.15	-214.86	0.0
		0.0	-214.86	-0.06	0.0	51.0	11.91	0.0	5.69	-12.15	77.66	105.15
						102.0	11.91	-4.12	5.69	-12.15	370.19	0.0
12	95	105.15	175.19	-0.13	-8.25	0.0	-13.82	4.12	2.40	14.84	-65.62	0.0
		0.0	-65.62	0.08	0.0	51.0	-13.82	0.0	2.40	14.84	54.78	105.15
						102.0	-13.82	-4.12	2.40	14.84	175.19	0.0
12	96	105.15	822.41	0.14	-8.25	0.0	38.69	4.12	12.18	-8.84	-424.15	0.0
		0.0	-424.15	-0.05	0.0	51.0	38.69	0.0	12.18	-8.84	199.13	105.15
						102.0	38.69	-4.12	12.18	-8.84	822.41	0.0
12	97	105.15	149.60	-0.16	-8.25	0.0	-41.25	4.12	-4.26	11.52	149.60	0.0
		0.0	-289.23	0.07	0.0	51.0	-41.25	0.0	-4.26	11.52	-69.81	105.15
						102.0	-41.25	-4.12	-4.26	11.52	-289.23	0.0
12	98	105.15	358.00	0.12	-8.25	0.0	11.27	4.12	5.52	-12.17	-208.92	0.0
		0.0	-208.92	-0.06	0.0	51.0	11.27	0.0	5.52	-12.17	74.54	105.15
						102.0	11.27	-4.12	5.52	-12.17	358.00	0.0
12	99	105.15	158.25	-0.13	-8.25	0.0	-10.34	4.12	2.40	15.63	-79.75	0.0
		0.0	-79.75	0.07	0.0	51.0	-10.34	0.0	2.40	15.63	39.25	105.15
						102.0	-10.34	-4.12	2.40	15.63	158.25	0.0
12	100	105.15	814.96	0.14	-8.25	0.0	33.92	4.12	11.83	-9.66	-398.15	0.0
		0.0	-398.15	-0.05	0.0	51.0	33.92	0.0	11.83	-9.66	208.41	105.15
						102.0	33.92	-4.12	11.83	-9.66	814.96	0.0
12	101	105.15	123.60	-0.15	-8.25	0.0	-36.47	4.12	-3.91	12.34	123.60	0.0
		0.0	-281.78	0.07	0.0	51.0	-36.47	0.0	-3.91	12.34	-79.09	105.15
						102.0	-36.47	-4.12	-3.91	12.34	-281.78	0.0
12	102	105.15	374.94	0.11	-8.25	0.0	7.79	4.12	5.52	-12.95	-194.80	0.0
		0.0	-194.80	-0.05	0.0	51.0	7.79	0.0	5.52	-12.95	90.07	105.15
						102.0	7.79	-4.12	5.52	-12.95	374.94	0.0
12	103	105.15	170.44	-0.13	-8.25	0.0	-9.69	4.12	2.57	15.64	-85.69	0.0
		0.0	-85.69	0.07	0.0	51.0	-9.69	0.0	2.57	15.64	42.38	105.15
						102.0	-9.69	-4.12	2.57	15.64	170.44	0.0
12	104	105.15	827.16	0.14	-8.25	0.0	34.57	4.12	12.01	-9.64	-404.09	0.0
		0.0	-404.09	-0.05	0.0	51.0	34.57	0.0	12.01	-9.64	211.53	105.15
						102.0	34.57	-4.12	12.01	-9.64	827.16	0.0
12	105	105.15	129.54	-0.16	-8.25	0.0	-37.12	4.12	-4.09	12.32	129.54	0.0
		0.0	-293.97	0.07	0.0	51.0	-37.12	0.0	-4.09	12.32	-82.22	105.15
						102.0	-37.12	-4.12	-4.09	12.32	-293.97	0.0
12	106	105.15	362.75	0.11	-8.25	0.0	7.14	4.12	5.35	-12.97	-188.86	0.0
		0.0	-188.86	-0.05	0.0	51.0	7.14	0.0	5.35	-12.97	86.94	105.15
						102.0	7.14	-4.12	5.35	-12.97	362.75	0.0
13	1	-1413.21	4.55	-9.43e-04	-43.08	0.0	16.56	150.11	-0.22	3.25	4.55	-9830.22
		-9830.22	-9.87	4.12e-03	0.0	32.7	16.56	128.58	-0.22	3.25	-2.66	-5269.21
						65.5	16.56	107.04	-0.22	3.25	-9.87	-1413.21
13	2	-1.352e+04	32.93	6.78e-03	-293.47	0.0	-83.52	700.14	-0.88	4.14	32.93	-4.975e+04
		-4.975e+04	-24.43	8.04e-03	0.0	32.7	-83.52	553.40	-0.88	4.14	4.25	-2.924e+04
						65.5	-83.52	406.66	-0.88	4.14	-24.43	-1.352e+04
13	3	-858.54	2.97	-7.89e-04	-28.41	0.0	14.63	105.09	-0.16	2.48	2.97	-6808.32
		-6808.32	-7.32	3.09e-03	0.0	32.7	14.63	90.89	-0.16	2.48	-2.18	-3600.94
						65.5	14.63	76.68	-0.16	2.48	-7.32	-

858.54												
13	4	-1.297e+04	31.35	6.54e-03	-278.81	0.0	-85.45	655.12	-0.81	3.38	31.35	-
4.673e+04												
		-4.673e+04	-21.88	7.02e-03	0.0	32.7	-85.45	515.71	-0.81	3.38	4.73	-
2.757e+04												
						65.5	-85.45	376.31	-0.81	3.38	-21.88	-
1.297e+04												
13	5	-987.72	3.27	-7.53e-04	-31.08	0.0	13.56	110.96	-0.16	2.49	3.27	-
7234.15												
		-7234.15	-7.47	3.14e-03	0.0	32.7	13.56	95.42	-0.16	2.49	-2.10	-
3856.59												
						65.5	13.56	79.88	-0.16	2.49	-7.47	-
987.72												
13	6	-9061.41	22.19	4.52e-03	-198.01	0.0	-53.16	477.64	-0.60	3.09	22.19	-
3.385e+04												
		-3.385e+04	-17.18	5.75e-03	0.0	32.7	-53.16	378.64	-0.60	3.09	2.50	-
1.983e+04												
						65.5	-53.16	279.63	-0.60	3.09	-17.18	-
9061.41												
13	7	-987.72	3.27	-7.53e-04	-31.08	0.0	13.56	110.96	-0.16	2.49	3.27	-
7234.15												
		-7234.15	-7.47	3.14e-03	0.0	32.7	13.56	95.42	-0.16	2.49	-2.10	-
3856.59												
						65.5	13.56	79.88	-0.16	2.49	-7.47	-
987.72												
13	8	-6639.30	16.51	3.27e-03	-147.93	0.0	-33.14	367.64	-0.47	2.91	16.51	-
2.586e+04												
		-2.586e+04	-14.27	4.97e-03	0.0	32.7	-33.14	293.67	-0.47	2.91	1.12	-
1.504e+04												
						65.5	-33.14	219.70	-0.47	2.91	-14.27	-
6639.30												
13	9	-987.72	3.27	-7.53e-04	-31.08	0.0	13.56	110.96	-0.16	2.49	3.27	-
7234.15												
		-7234.15	-7.47	3.14e-03	0.0	32.7	13.56	95.42	-0.16	2.49	-2.10	-
3856.59												
						65.5	13.56	79.88	-0.16	2.49	-7.47	-
987.72												
13	10	-5831.93	14.62	2.86e-03	-131.24	0.0	-26.47	330.97	-0.43	2.85	14.62	-
2.320e+04												
		-2.320e+04	-13.30	4.71e-03	0.0	32.7	-26.47	265.35	-0.43	2.85	0.66	-
1.344e+04												
						65.5	-26.47	199.73	-0.43	2.85	-13.30	-
5831.93												
13	11	1.734e+04	-18.76	-0.08	-131.24	0.0	774.47	94.23	-0.76	64.59	-70.17	-
1.433e+04												
		-1.433e+04	-70.17	0.06	0.0	32.7	774.47	28.61	-0.76	64.59	-44.46	
2580.17												
						65.5	774.47	-37.02	-0.76	64.59	-18.76	
1.734e+04												
13	12	5664.94	-14.87	-0.08	-131.24	0.0	248.55	-431.52	-1.70	3.71	-14.87	
5551.54												
		2666.06	-26.64	-0.01	0.0	32.7	248.55	-497.14	-1.70	3.71	-20.76	
5182.74												
						65.5	248.55	-562.76	-1.70	3.71	-26.64	
2666.06												
13	13	-1.433e+04	44.12	0.08	-131.24	0.0	-301.49	1093.46	0.84	1.99	44.12	-
5.196e+04												
		-5.196e+04	0.04	0.02	0.0	32.7	-301.49	1027.84	0.84	1.99	22.08	-
3.207e+04												
						65.5	-301.49	962.22	0.84	1.99	0.04	-
1.433e+04												
13	14	-2.892e+04	99.41	0.08	-131.24	0.0	-827.41	567.71	-0.09	-58.90	99.41	-
3.208e+04												
		-3.208e+04	-7.84	-0.05	0.0	32.7	-827.41	502.09	-0.09	-58.90	45.79	-
2.947e+04												
						65.5	-827.41	436.47	-0.09	-58.90	-7.84	-
2.900e+04												
13	15	1.852e+04	-19.09	-0.08	-131.24	0.0	818.89	133.62	-0.68	66.46	-74.98	-
1.573e+04												
		-1.573e+04	-74.98	0.06	0.0	32.7	818.89	68.00	-0.68	66.46	-47.04	
2465.98												
						65.5	818.89	2.38	-0.68	66.46	-19.09	

1.852e+04												
13	16	6956.01	-10.06	-0.08	-131.24	0.0	204.13	-470.91	-1.77	1.85	-10.06	
6956.01												
		1489.97	-26.31	-0.01	0.0	32.7	204.13	-536.53	-1.77	1.85	-18.18	
5296.93												
						65.5	204.13	-602.15	-1.77	1.85	-26.31	
1489.97												
13	17	-1.315e+04	39.30	0.08	-131.24	0.0	-257.07	1132.85	0.92	3.85	39.30	-
5.336e+04												
		-5.336e+04	-0.29	0.02	0.0	32.7	-257.07	1067.23	0.92	3.85	19.51	-
3.218e+04												
						65.5	-257.07	1001.61	0.92	3.85	-0.29	-
1.315e+04												
13	18	-2.934e+04	104.23	0.08	-131.24	0.0	-871.83	528.32	-0.17	-60.76	104.23	-
3.067e+04												
		-3.067e+04	-7.50	-0.05	0.0	32.7	-871.83	462.70	-0.17	-60.76	48.36	-
2.935e+04												
						65.5	-871.83	397.08	-0.17	-60.76	-7.50	-
3.018e+04												
13	19	1.695e+04	-17.58	-0.08	-131.24	0.0	773.71	112.86	0.83	64.64	-70.06	-
1.531e+04												
		-1.531e+04	-70.06	0.06	0.0	32.7	773.71	47.24	0.83	64.64	-43.82	
1892.17												
						65.5	773.71	-18.38	0.83	64.64	-17.58	
1.695e+04												
13	20	4799.07	-14.77	-0.09	-131.24	0.0	247.80	-412.89	-0.10	3.76	-14.77	
4566.43												
		2275.19	-25.46	-0.01	0.0	32.7	247.80	-478.51	-0.10	3.76	-20.11	
4494.74												
						65.5	247.80	-544.13	-0.10	3.76	-25.46	
2275.19												
13	21	-1.394e+04	44.01	0.09	-131.24	0.0	-300.74	1074.83	-0.75	1.94	44.01	-
5.097e+04												
		-5.097e+04	-1.14	0.02	0.0	32.7	-300.74	1009.21	-0.75	1.94	21.44	-
3.138e+04												
						65.5	-300.74	943.59	-0.75	1.94	-1.14	-
1.394e+04												
13	22	-2.842e+04	99.30	0.08	-131.24	0.0	-826.66	549.08	-1.69	-58.94	99.30	-
3.109e+04												
		-3.109e+04	-9.02	-0.05	0.0	32.7	-826.66	483.46	-1.69	-58.94	45.14	-
2.878e+04												
						65.5	-826.66	417.84	-1.69	-58.94	-9.02	-
2.861e+04												
13	23	1.812e+04	-17.91	-0.08	-131.24	0.0	818.14	152.25	0.91	66.50	-74.87	-
1.672e+04												
		-1.672e+04	-74.87	0.06	0.0	32.7	818.14	86.63	0.91	66.50	-46.39	
1777.99												
						65.5	818.14	21.01	0.91	66.50	-17.91	
1.812e+04												
13	24	5970.89	-9.95	-0.09	-131.24	0.0	203.37	-452.28	-0.18	1.89	-9.95	
5970.89												
		1099.10	-25.13	-0.01	0.0	32.7	203.37	-517.90	-0.18	1.89	-17.54	
4608.93												
						65.5	203.37	-583.52	-0.18	1.89	-25.13	
1099.10												
13	25	-1.276e+04	39.20	0.09	-131.24	0.0	-256.32	1114.22	-0.67	3.81	39.20	-
5.238e+04												
		-5.238e+04	-1.47	0.02	0.0	32.7	-256.32	1048.60	-0.67	3.81	18.86	-
3.150e+04												
						65.5	-256.32	982.98	-0.67	3.81	-1.47	-
1.276e+04												
13	26	-2.866e+04	104.12	0.08	-131.24	0.0	-871.08	509.69	-1.76	-60.80	104.12	-
2.969e+04												
		-2.979e+04	-8.68	-0.05	0.0	32.7	-871.08	444.07	-1.76	-60.80	47.72	-
2.866e+04												
						65.5	-871.08	378.45	-1.76	-60.80	-8.68	-
2.979e+04												
13	27	2.337e+04	-2.99	-0.01	-131.24	0.0	1011.45	1057.32	0.90	113.71	-94.68	-
5.069e+04												
		-5.069e+04	-94.68	0.13	0.0	32.7	1011.45	991.70	0.90	113.71	-48.83	-
1.258e+04												
						65.5	1011.45	926.08	0.90	113.71	-2.99	

2.337e+04												
13	28	1.557e+04	89.63	-0.03	-131.24	0.0	-741.61	-695.16	-2.23	-89.23	89.63	
1.557e+04												
		-2.554e+04	-29.25	-0.11	0.0	32.7	-741.61	-760.78	-2.23	-89.23	30.19	-
3908.27												
						65.5	-741.61	-826.40	-2.23	-89.23	-29.25	-
2.554e+04												
13	29	1.387e+04	2.65	0.03	-131.24	0.0	688.66	1357.09	1.38	94.93	-60.39	-
6.198e+04												
		-6.198e+04	-60.39	0.12	0.0	32.7	688.66	1291.47	1.38	94.93	-28.87	-
2.298e+04												
						65.5	688.66	1225.85	1.38	94.93	2.65	
1.387e+04												
13	30	4283.03	123.92	0.01	-131.24	0.0	-1064.40	-395.39	-1.75	-108.01	123.92	
4283.03												
		-3.504e+04	-23.61	-0.12	0.0	32.7	-1064.40	-461.01	-1.75	-108.01	50.16	-
1.430e+04												
						65.5	-1064.40	-526.63	-1.75	-108.01	-23.61	-
3.504e+04												
13	31	2.326e+04	-2.64	-0.01	-131.24	0.0	1011.23	1062.91	1.37	113.73	-94.64	-
5.098e+04												
		-5.098e+04	-94.64	0.13	0.0	32.7	1011.23	997.29	1.37	113.73	-48.64	-
1.279e+04												
						65.5	1011.23	931.67	1.37	113.73	-2.64	
2.326e+04												
13	32	1.528e+04	89.67	-0.03	-131.24	0.0	-741.83	-689.57	-1.75	-89.22	89.67	
1.528e+04												
		-2.565e+04	-28.89	-0.11	0.0	32.7	-741.83	-755.19	-1.75	-89.22	30.39	-
4114.67												
						65.5	-741.83	-820.81	-1.75	-89.22	-28.89	-
2.565e+04												
13	33	1.399e+04	2.30	0.04	-131.24	0.0	688.89	1351.50	0.90	94.92	-60.42	-
6.168e+04												
		-6.168e+04	-60.42	0.12	0.0	32.7	688.89	1285.88	0.90	94.92	-29.06	-
2.277e+04												
						65.5	688.89	1220.26	0.90	94.92	2.30	
1.399e+04												
13	34	4578.57	123.89	0.02	-131.24	0.0	-1064.17	-400.98	-2.23	-108.03	123.89	
4578.57												
		-3.492e+04	-23.96	-0.12	0.0	32.7	-1064.17	-466.60	-2.23	-108.03	49.96	-
1.410e+04												
						65.5	-1064.17	-532.22	-2.23	-108.03	-23.96	-
3.492e+04												
13	35	2.729e+04	-4.10	-0.02	-131.24	0.0	1159.52	1188.64	1.14	119.92	-110.72	-
5.537e+04												
		-5.537e+04	-110.72	0.14	0.0	32.7	1159.52	1123.02	1.14	119.92	-57.41	-
1.296e+04												
						65.5	1159.52	1057.40	1.14	119.92	-4.10	
2.729e+04												
13	36	2.025e+04	105.68	-0.03	-131.24	0.0	-889.68	-826.47	-2.48	-95.44	105.68	
2.025e+04												
		-2.946e+04	-28.14	-0.12	0.0	32.7	-889.68	-892.09	-2.48	-95.44	38.77	-
3527.64												
						65.5	-889.68	-957.71	-2.48	-95.44	-28.14	-
2.946e+04												
13	37	1.779e+04	1.54	0.03	-131.24	0.0	836.73	1488.41	1.62	101.14	-76.44	-
6.666e+04												
		-6.666e+04	-76.44	0.12	0.0	32.7	836.73	1422.79	1.62	101.14	-37.45	-
2.336e+04												
						65.5	836.73	1357.17	1.62	101.14	1.54	
1.779e+04												
13	38	8964.59	139.97	0.02	-131.24	0.0	-1212.47	-526.70	-2.00	-114.22	139.97	
8964.59												
		-3.896e+04	-22.50	-0.13	0.0	32.7	-1212.47	-592.32	-2.00	-114.22	58.73	-
1.392e+04												
						65.5	-1212.47	-657.94	-2.00	-114.22	-22.50	-
3.896e+04												
13	39	2.718e+04	-3.74	-0.02	-131.24	0.0	1159.30	1194.23	1.62	119.93	-110.69	-
5.567e+04												
		-5.567e+04	-110.69	0.14	0.0	32.7	1159.30	1128.61	1.62	119.93	-57.22	-
1.317e+04												
						65.5	1159.30	1062.99	1.62	119.93	-3.74	

2.718e+04												
13	40	1.996e+04	105.71	-0.03	-131.24	0.0	-889.91	-820.88	-2.00	-95.43	105.71	
1.996e+04												
		-2.957e+04	-27.79	-0.12	0.0	32.7	-889.91	-886.50	-2.00	-95.43	38.96	-
3734.03												
						65.5	-889.91	-952.12	-2.00	-95.43	-27.79	-
2.957e+04												
13	41	1.791e+04	1.19	0.03	-131.24	0.0	836.96	1482.82	1.15	101.13	-76.47	-
6.636e+04												
		-6.636e+04	-76.47	0.12	0.0	32.7	836.96	1417.20	1.15	101.13	-37.64	-
2.315e+04												
						65.5	836.96	1351.58	1.15	101.13	1.19	
1.791e+04												
13	42	9260.12	139.94	0.02	-131.24	0.0	-1212.24	-532.29	-2.47	-114.24	139.94	
9260.12												
		-3.884e+04	-22.85	-0.13	0.0	32.7	-1212.24	-597.91	-2.47	-114.24	58.54	-
1.372e+04												
						65.5	-1212.24	-663.53	-2.47	-114.24	-22.85	-
3.884e+04												
13	43	1.246e+04	-17.50	-0.06	-131.24	0.0	606.62	145.92	-0.69	51.76	-52.36	-
1.632e+04												
		-1.632e+04	-52.36	0.05	0.0	32.7	606.62	80.30	-0.69	51.76	-34.93	-
860.51												
						65.5	606.62	14.68	-0.69	51.76	-17.50	
1.246e+04												
13	44	1331.54	-8.57	-0.06	-131.24	0.0	190.35	-269.38	-1.43	3.54	-8.57	-
620.57												
		-620.57	-23.63	-8.97e-03	0.0	32.7	190.35	-335.01	-1.43	3.54	-16.10	
1201.87												
						65.5	190.35	-400.63	-1.43	3.54	-23.63	876.44
13	45	-1.254e+04	37.81	0.07	-131.24	0.0	-243.30	931.32	0.58	2.16	37.81	-
4.578e+04												
		-4.578e+04	-2.97	0.02	0.0	32.7	-243.30	865.70	0.58	2.16	17.42	-
2.809e+04												
						65.5	-243.30	800.08	0.58	2.16	-2.97	-
1.254e+04												
13	46	-2.412e+04	81.60	0.06	-131.24	0.0	-659.57	516.02	-0.17	-46.06	81.60	-
3.008e+04												
		-3.008e+04	-9.10	-0.04	0.0	32.7	-659.57	450.40	-0.17	-46.06	36.25	-
2.603e+04												
						65.5	-659.57	384.78	-0.17	-46.06	-9.10	-
2.412e+04												
13	47	1.339e+04	-17.74	-0.06	-131.24	0.0	641.88	177.29	-0.63	53.24	-56.17	-
1.744e+04												
		-1.744e+04	-56.17	0.05	0.0	32.7	641.88	111.67	-0.63	53.24	-36.95	-
951.67												
						65.5	641.88	46.05	-0.63	53.24	-17.74	
1.339e+04												
13	48	1311.18	-4.75	-0.06	-131.24	0.0	155.10	-300.76	-1.49	2.06	-4.75	498.53
		-60.34	-23.39	-9.64e-03	0.0	32.7	155.10	-366.38	-1.49	2.06	-14.07	
1293.03												
						65.5	155.10	-432.00	-1.49	2.06	-23.39	-60.34
13	49	-1.160e+04	34.00	0.06	-131.24	0.0	-208.04	962.70	0.63	3.64	34.00	-
4.690e+04												
		-4.690e+04	-3.21	0.02	0.0	32.7	-208.04	897.08	0.63	3.64	15.39	-
2.818e+04												
						65.5	-208.04	831.46	0.63	3.64	-3.21	-
1.160e+04												
13	50	-2.505e+04	85.42	0.06	-131.24	0.0	-694.82	484.64	-0.23	-47.54	85.42	-
2.896e+04												
		-2.896e+04	-8.86	-0.04	0.0	32.7	-694.82	419.02	-0.23	-47.54	38.28	-
2.593e+04												
						65.5	-694.82	353.40	-0.23	-47.54	-8.86	-
2.506e+04												
13	51	1.214e+04	-16.55	-0.06	-131.24	0.0	605.70	161.45	0.57	51.79	-52.24	-
1.715e+04												
		-1.715e+04	-52.24	0.05	0.0	32.7	605.70	95.83	0.57	51.79	-34.40	-
1431.53												
						65.5	605.70	30.20	0.57	51.79	-16.55	
1.214e+04												
13	52	865.17	-8.45	-0.07	-131.24	0.0	189.43	-253.86	-0.18	3.57	-8.45	-
1448.68												

		-1448.68	-22.68	-7.89e-03	0.0	32.7	189.43	-319.48	-0.18	3.57	-15.57	630.85
						65.5	189.43	-385.10	-0.18	3.57	-22.68	562.52
13	53	-1.223e+04	37.70	0.07	-131.24	0.0	-242.38	915.80	-0.68	2.13	37.70	-4.496e+04
		-4.496e+04	-3.92	0.02	0.0	32.7	-242.38	850.18	-0.68	2.13	16.89	-2.752e+04
						65.5	-242.38	784.56	-0.68	2.13	-3.92	-1.223e+04
13	54	-2.381e+04	81.49	0.06	-131.24	0.0	-658.65	500.49	-1.42	-46.10	81.49	-2.925e+04
		-2.925e+04	-10.05	-0.04	0.0	32.7	-658.65	434.87	-1.42	-46.10	35.72	-2.546e+04
						65.5	-658.65	369.25	-1.42	-46.10	-10.05	-2.381e+04
13	55	1.308e+04	-16.79	-0.07	-131.24	0.0	640.96	192.82	0.63	53.28	-56.06	1.827e+04
		-1.827e+04	-56.06	0.05	0.0	32.7	640.96	127.20	0.63	53.28	-36.42	1522.69
						65.5	640.96	61.58	0.63	53.28	-16.79	1.308e+04
13	56	722.01	-4.64	-0.07	-131.24	0.0	154.18	-285.23	-0.23	2.09	-4.64	329.58
		-374.26	-22.44	-8.56e-03	0.0	32.7	154.18	-350.85	-0.23	2.09	-13.54	722.01
						65.5	154.18	-416.47	-0.23	2.09	-22.44	374.26
13	57	-1.129e+04	33.88	0.07	-131.24	0.0	-207.12	947.17	-0.62	3.61	33.88	-4.608e+04
		-4.608e+04	-4.16	0.02	0.0	32.7	-207.12	881.55	-0.62	3.61	14.86	-2.761e+04
						65.5	-207.12	815.93	-0.62	3.61	-4.16	-1.129e+04
13	58	-2.470e+04	85.30	0.07	-131.24	0.0	-693.90	469.12	-1.48	-47.58	85.30	-2.813e+04
		-2.813e+04	-9.81	-0.04	0.0	32.7	-693.90	403.50	-1.48	-47.58	37.75	-2.536e+04
						65.5	-693.90	337.88	-1.48	-47.58	-9.81	-2.474e+04
13	59	1.722e+04	-5.26	-0.01	-131.24	0.0	794.79	905.33	0.62	90.66	-71.89	4.496e+04
		-4.496e+04	-71.89	0.11	0.0	32.7	794.79	839.71	0.62	90.66	-38.57	1.280e+04
						65.5	794.79	774.09	0.62	90.66	-5.26	1.722e+04
13	60	7390.37	74.08	-0.03	-131.24	0.0	-592.76	-479.02	-1.85	-70.08	74.08	7390.37
		-2.138e+04	-25.70	-0.09	0.0	32.7	-592.76	-544.64	-1.85	-70.08	24.19	-5921.82
						65.5	-592.76	-610.26	-1.85	-70.08	-25.70	-2.138e+04
13	61	9718.01	-0.90	0.03	-131.24	0.0	539.82	1140.95	1.00	75.78	-44.84	5.380e+04
		-5.380e+04	-44.84	0.10	0.0	32.7	539.82	1075.33	1.00	75.78	-22.87	2.096e+04
						65.5	539.82	1009.71	1.00	75.78	-0.90	9718.01
13	62	-1447.51	101.13	0.01	-131.24	0.0	-847.74	-243.39	-1.48	-84.96	101.13	-1447.51
		-2.888e+04	-21.34	-0.10	0.0	32.7	-847.74	-309.02	-1.48	-84.96	39.90	-1.409e+04
						65.5	-847.74	-374.64	-1.48	-84.96	-21.34	-2.888e+04
13	63	1.712e+04	-4.98	-0.01	-131.24	0.0	794.52	909.99	1.00	90.67	-71.85	4.521e+04
		-4.521e+04	-71.85	0.11	0.0	32.7	794.52	844.37	1.00	90.67	-38.41	1.297e+04
						65.5	794.52	778.75	1.00	90.67	-4.98	1.712e+04
13	64	7141.93	74.11	-0.03	-131.24	0.0	-593.04	-474.36	-1.48	-70.07	74.11	7141.93
		-2.148e+04	-25.41	-0.09	0.0	32.7	-593.04	-539.98	-1.48	-70.07	24.35	-6093.12
						65.5	-593.04	-605.60	-1.48	-70.07	-25.41	-2.148e+04

2.148e+04												
13	65	9812.19	-1.19	0.03	-131.24	0.0	540.09	1136.30	0.63	75.77	-44.87	-
5.355e+04												
		-5.355e+04	-44.87	0.10	0.0	32.7	540.09	1070.68	0.63	75.77	-23.03	-
2.079e+04												
						65.5	540.09	1005.06	0.63	75.77	-1.19	
9812.19												
13	66	-1199.08	101.10	0.01	-131.24	0.0	-847.46	-248.05	-1.85	-84.97	101.10	-
1199.08												
		-2.879e+04	-21.62	-0.10	0.0	32.7	-847.46	-313.67	-1.85	-84.97	39.74	-
1.392e+04												
						65.5	-847.46	-379.29	-1.85	-84.97	-21.62	-
2.879e+04												
13	67	2.034e+04	-6.06	-0.02	-131.24	0.0	912.31	1009.91	0.82	95.60	-84.60	-
4.869e+04												
		-4.869e+04	-84.60	0.11	0.0	32.7	912.31	944.29	0.82	95.60	-45.33	-
1.310e+04												
						65.5	912.31	878.67	0.82	95.60	-6.06	
2.034e+04												
13	68	1.112e+04	86.80	-0.02	-131.24	0.0	-710.28	-583.60	-2.05	-75.02	86.80	
1.112e+04												
		-2.450e+04	-24.90	-0.09	0.0	32.7	-710.28	-649.22	-2.05	-75.02	30.95	-
5617.95												
						65.5	-710.28	-714.84	-2.05	-75.02	-24.90	-
2.450e+04												
13	69	1.284e+04	-1.70	0.02	-131.24	0.0	657.34	1245.53	1.20	80.72	-57.55	-
5.753e+04												
		-5.753e+04	-57.55	0.10	0.0	32.7	657.34	1179.91	1.20	80.72	-29.63	-
2.127e+04												
						65.5	657.34	1114.29	1.20	80.72	-1.70	
1.284e+04												
13	70	2282.82	113.85	0.02	-131.24	0.0	-965.26	-347.97	-1.67	-89.90	113.85	
2282.82												
		-3.200e+04	-20.54	-0.10	0.0	32.7	-965.26	-413.60	-1.67	-89.90	46.65	-
1.379e+04												
						65.5	-965.26	-479.22	-1.67	-89.90	-20.54	-
3.200e+04												
13	71	2.025e+04	-5.77	-0.02	-131.24	0.0	912.04	1014.57	1.19	95.61	-84.57	-
4.894e+04												
		-4.894e+04	-84.57	0.11	0.0	32.7	912.04	948.95	1.19	95.61	-45.17	-
1.327e+04												
						65.5	912.04	883.33	1.19	95.61	-5.77	
2.025e+04												
13	72	1.087e+04	86.83	-0.02	-131.24	0.0	-710.56	-578.94	-1.67	-75.01	86.83	
1.087e+04												
		-2.460e+04	-24.62	-0.09	0.0	32.7	-710.56	-644.56	-1.67	-75.01	31.11	-
5789.25												
						65.5	-710.56	-710.18	-1.67	-75.01	-24.62	-
2.460e+04												
13	73	1.293e+04	-1.98	0.02	-131.24	0.0	657.62	1240.88	0.82	80.71	-57.59	-
5.728e+04												
		-5.728e+04	-57.59	0.10	0.0	32.7	657.62	1175.26	0.82	80.71	-29.79	-
2.110e+04												
						65.5	657.62	1109.64	0.82	80.71	-1.98	
1.293e+04												
13	74	2531.26	113.81	0.02	-131.24	0.0	-964.98	-352.63	-2.05	-89.91	113.81	
2531.26												
		-3.191e+04	-20.83	-0.10	0.0	32.7	-964.98	-418.25	-2.05	-89.91	46.49	-
1.362e+04												
						65.5	-964.98	-483.87	-2.05	-89.91	-20.83	-
3.191e+04												
13	75	9295.47	-16.78	-0.05	-131.24	0.0	497.16	177.18	-0.64	43.27	-40.79	-
1.747e+04												
		-1.747e+04	-40.79	0.04	0.0	32.7	497.16	111.56	-0.64	43.27	-28.78	-
3014.24												
						65.5	497.16	45.94	-0.64	43.27	-16.78	
9295.47												
13	76	-277.22	-4.60	-0.05	-131.24	0.0	153.11	-166.12	-1.26	3.42	-4.60	-
4489.90												
		-4489.90	-21.85	-6.61e-03	0.0	32.7	153.11	-231.74	-1.26	3.42	-13.22	-
1309.62												
						65.5	153.11	-297.37	-1.26	3.42	-21.85	-

277.22												
13	77	-1.139e+04	33.84	0.05	-131.24	0.0	-206.06	828.06	0.40	2.28	33.84	-
4.192e+04												
		-4.192e+04	-4.75	0.02	0.0	32.7	-206.06	762.44	0.40	2.28	14.55	-
2.558e+04												
						65.5	-206.06	696.82	0.40	2.28	-4.75	-
1.139e+04												
13	78	-2.096e+04	70.04	0.05	-131.24	0.0	-550.11	484.75	-0.21	-37.57	70.04	-
2.893e+04												
		-2.893e+04	-9.82	-0.03	0.0	32.7	-550.11	419.13	-0.21	-37.57	30.11	-
2.387e+04												
						65.5	-550.11	353.51	-0.21	-37.57	-9.82	-
2.096e+04												
13	79	1.007e+04	-16.97	-0.05	-131.24	0.0	526.30	203.10	-0.59	44.50	-43.95	-
1.840e+04												
		-1.840e+04	-43.95	0.04	0.0	32.7	526.30	137.48	-0.59	44.50	-30.46	-
3089.58												
						65.5	526.30	71.86	-0.59	44.50	-16.97	
1.007e+04												
13	80	-868.08	-1.45	-0.05	-131.24	0.0	123.98	-192.04	-1.30	2.19	-1.45	-
3565.36												
		-3565.36	-21.65	-7.17e-03	0.0	32.7	123.98	-257.66	-1.30	2.19	-11.55	-
1234.28												
						65.5	123.98	-323.28	-1.30	2.19	-21.65	-
1051.08												
13	81	-1.061e+04	30.69	0.05	-131.24	0.0	-176.92	853.98	0.45	3.50	30.69	-
4.284e+04												
		-4.284e+04	-4.95	0.02	0.0	32.7	-176.92	788.36	0.45	3.50	12.87	-
2.565e+04												
						65.5	-176.92	722.74	0.45	3.50	-4.95	-
1.061e+04												
13	82	-2.173e+04	73.19	0.05	-131.24	0.0	-579.24	458.83	-0.26	-38.80	73.19	-
2.801e+04												
		-2.801e+04	-9.62	-0.03	0.0	32.7	-579.24	393.21	-0.26	-38.80	31.78	-
2.380e+04												
						65.5	-579.24	327.59	-0.26	-38.80	-9.62	-
2.173e+04												
13	83	9033.69	-15.99	-0.05	-131.24	0.0	496.34	190.13	0.40	43.30	-40.68	-
1.816e+04												
		-1.816e+04	-40.68	0.04	0.0	32.7	496.34	124.51	0.40	43.30	-28.34	-
3489.41												
						65.5	496.34	58.89	0.40	43.30	-15.99	
9033.69												
13	84	-539.00	-4.49	-0.06	-131.24	0.0	152.29	-153.18	-0.22	3.45	-4.49	-
5178.46												
		-5178.46	-21.06	-5.72e-03	0.0	32.7	152.29	-218.80	-0.22	3.45	-12.78	-
1784.79												
						65.5	152.29	-284.42	-0.22	3.45	-21.06	-
539.00												
13	85	-1.112e+04	33.74	0.06	-131.24	0.0	-205.23	815.12	-0.63	2.25	33.74	-
4.123e+04												
		-4.123e+04	-5.53	0.02	0.0	32.7	-205.23	749.50	-0.63	2.25	14.10	-
2.510e+04												
						65.5	-205.23	683.88	-0.63	2.25	-5.53	-
1.112e+04												
13	86	-2.070e+04	69.93	0.05	-131.24	0.0	-549.28	471.81	-1.25	-37.60	69.93	-
2.824e+04												
		-2.824e+04	-10.61	-0.03	0.0	32.7	-549.28	406.19	-1.25	-37.60	29.66	-
2.340e+04												
						65.5	-549.28	340.57	-1.25	-37.60	-10.61	-
2.070e+04												
13	87	9807.55	-16.19	-0.05	-131.24	0.0	525.47	216.05	0.44	44.52	-43.84	-
1.908e+04												
		-1.908e+04	-43.84	0.04	0.0	32.7	525.47	150.43	0.44	44.52	-30.01	-
3564.75												
						65.5	525.47	84.81	0.44	44.52	-16.19	
9807.55												
13	88	-1209.88	-1.34	-0.06	-131.24	0.0	123.15	-179.10	-0.27	2.22	-1.34	-
4253.92												
		-4253.92	-20.87	-6.27e-03	0.0	32.7	123.15	-244.72	-0.27	2.22	-11.10	-
1709.45												
						65.5	123.15	-310.34	-0.27	2.22	-20.87	-

1312.86												
13	89	-1.035e+04	30.58	0.06	-131.24	0.0	-176.10	841.04	-0.59	3.48	30.58	-
4.215e+04												
		-4.215e+04	-5.73	0.02	0.0	32.7	-176.10	775.42	-0.59	3.48	12.43	-
2.518e+04												
						65.5	-176.10	709.80	-0.59	3.48	-5.73	-
1.035e+04												
13	90	-2.147e+04	73.08	0.05	-131.24	0.0	-578.42	445.89	-1.30	-38.82	73.08	-
2.732e+04												
		-2.732e+04	-10.41	-0.03	0.0	32.7	-578.42	380.27	-1.30	-38.82	31.34	-
2.332e+04												
						65.5	-578.42	314.65	-1.30	-38.82	-10.41	-
2.147e+04												
13	91	1.322e+04	-6.65	-8.65e-03	-131.24	0.0	652.43	805.52	0.44	75.42	-56.89	-
4.117e+04												
		-4.117e+04	-56.89	0.09	0.0	32.7	652.43	739.90	0.44	75.42	-31.77	-
1.290e+04												
						65.5	652.43	674.28	0.44	75.42	-6.65	
1.322e+04												
13	92	2100.47	63.75	-0.02	-131.24	0.0	-494.41	-338.84	-1.61	-57.43	63.75	
2100.47												
		-1.868e+04	-23.56	-0.07	0.0	32.7	-494.41	-404.46	-1.61	-57.43	20.10	-
7217.87												
						65.5	-494.41	-470.09	-1.61	-57.43	-23.56	-
1.868e+04												
13	93	7020.22	-3.04	0.02	-131.24	0.0	441.47	1000.78	0.75	63.12	-34.50	-
4.851e+04												
		-4.851e+04	-34.50	0.08	0.0	32.7	441.47	935.16	0.75	63.12	-18.77	-
1.967e+04												
						65.5	441.47	869.54	0.75	63.12	-3.04	
7020.22												
13	94	-5232.55	86.14	9.96e-03	-131.24	0.0	-705.38	-143.58	-1.29	-69.72	86.14	-
5232.55												
		-2.489e+04	-19.95	-0.08	0.0	32.7	-705.38	-209.20	-1.29	-69.72	33.10	-
1.399e+04												
						65.5	-705.38	-274.82	-1.29	-69.72	-19.95	-
2.489e+04												
13	95	1.315e+04	-6.41	-9.53e-03	-131.24	0.0	652.18	809.40	0.75	75.43	-56.86	-
4.138e+04												
		-4.138e+04	-56.86	0.09	0.0	32.7	652.18	743.78	0.75	75.43	-31.64	-
1.304e+04												
						65.5	652.18	678.16	0.75	75.43	-6.41	
1.315e+04												
13	96	1893.90	63.78	-0.02	-131.24	0.0	-494.66	-334.96	-1.30	-57.42	63.78	
1893.90												
		-1.876e+04	-23.32	-0.07	0.0	32.7	-494.66	-400.58	-1.30	-57.42	20.23	-
7360.42												
						65.5	-494.66	-466.20	-1.30	-57.42	-23.32	-
1.876e+04												
13	97	7098.76	-3.28	0.02	-131.24	0.0	441.71	996.90	0.44	63.12	-34.54	-
4.830e+04												
		-4.830e+04	-34.54	0.08	0.0	32.7	441.71	931.28	0.44	63.12	-18.91	-
1.953e+04												
						65.5	441.71	865.66	0.44	63.12	-3.28	
7098.76												
13	98	-5025.99	86.11	0.01	-131.24	0.0	-705.13	-147.46	-1.60	-69.73	86.11	-
5025.99												
		-2.481e+04	-20.18	-0.08	0.0	32.7	-705.13	-213.08	-1.60	-69.73	32.96	-
1.384e+04												
						65.5	-705.13	-278.70	-1.60	-69.73	-20.18	-
2.481e+04												
13	99	1.580e+04	-7.31	-0.01	-131.24	0.0	749.54	891.92	0.60	79.50	-67.40	-
4.425e+04												
		-4.425e+04	-67.40	0.09	0.0	32.7	749.54	826.30	0.60	79.50	-37.36	-
1.315e+04												
						65.5	749.54	760.68	0.60	79.50	-7.31	
1.580e+04												
13	100	5182.29	74.26	-0.02	-131.24	0.0	-591.52	-425.24	-1.77	-61.50	74.26	
5182.29												
		-2.126e+04	-22.89	-0.07	0.0	32.7	-591.52	-490.86	-1.77	-61.50	25.68	-
6966.74												
						65.5	-591.52	-556.48	-1.77	-61.50	-22.89	-

2.126e+04												
13	101	9599.77	-3.70	0.02	-131.24	0.0	538.58	1087.18	0.92	67.20	-45.01	-
5.159e+04												
		-5.159e+04	-45.01	0.08	0.0	32.7	538.58	1021.56	0.92	67.20	-24.36	-
1.992e+04												
						65.5	538.58	955.94	0.92	67.20	-3.70	
9599.77												
13	102	-2150.74	96.65	0.01	-131.24	0.0	-802.49	-229.98	-1.45	-73.80	96.65	-
2150.74												
		-2.747e+04	-19.29	-0.08	0.0	32.7	-802.49	-295.60	-1.45	-73.80	38.68	-
1.374e+04												
						65.5	-802.49	-361.22	-1.45	-73.80	-19.29	-
2.747e+04												
13	103	1.573e+04	-7.08	-0.01	-131.24	0.0	749.29	895.80	0.91	79.51	-67.37	-
4.446e+04												
		-4.446e+04	-67.37	0.09	0.0	32.7	749.29	830.18	0.91	79.51	-37.22	-
1.329e+04												
						65.5	749.29	764.56	0.91	79.51	-7.08	
1.573e+04												
13	104	4975.72	74.29	-0.02	-131.24	0.0	-591.77	-421.36	-1.46	-61.49	74.29	
4975.72												
		-2.134e+04	-22.66	-0.07	0.0	32.7	-591.77	-486.98	-1.46	-61.49	25.82	-
7109.29												
						65.5	-591.77	-552.60	-1.46	-61.49	-22.66	-
2.134e+04												
13	105	9678.31	-3.94	0.02	-131.24	0.0	538.82	1083.30	0.60	67.19	-45.05	-
5.138e+04												
		-5.138e+04	-45.05	0.08	0.0	32.7	538.82	1017.68	0.60	67.19	-24.49	-
1.978e+04												
						65.5	538.82	952.06	0.60	67.19	-3.94	
9678.31												
13	106	-1944.17	96.62	0.01	-131.24	0.0	-802.24	-233.86	-1.77	-73.81	96.62	-
1944.17												
		-2.739e+04	-19.52	-0.08	0.0	32.7	-802.24	-299.48	-1.77	-73.81	38.55	-
1.359e+04												
						65.5	-802.24	-365.10	-1.77	-73.81	-19.52	-
2.739e+04												
14	1	274.64	1.21	4.62e-03	-19.78	0.0	-5.75	11.24	0.02	0.85	-0.96	0.0
		0.0	-0.96	1.94e-03	0.0	55.5	-5.75	-0.68	0.02	0.85	0.13	274.31
						110.9	-5.75	-8.54	0.02	0.85	1.21	0.0
14	2	1460.97	4.18	0.02	-103.21	0.0	-13.32	66.87	0.08	3.63	-4.35	0.0
		0.0	-4.35	6.36e-03	0.0	55.5	-13.32	-7.63	0.08	3.63	-0.08	
1431.27												
						110.9	-13.32	-36.35	0.08	3.63	4.18	0.0
14	3	189.18	0.88	3.23e-03	-13.64	0.0	-4.28	7.60	0.01	0.60	-0.67	0.0
		0.0	-0.67	1.41e-03	0.0	55.5	-4.28	-0.39	0.01	0.60	0.10	189.18
						110.9	-4.28	-6.04	0.01	0.60	0.88	0.0
14	4	1375.21	3.85	0.02	-97.07	0.0	-11.85	63.22	0.07	3.38	-4.06	0.0
		0.0	-4.06	5.83e-03	0.0	55.5	-11.85	-7.34	0.07	3.38	-0.11	
1346.13												
						110.9	-11.85	-33.85	0.07	3.38	3.85	0.0
14	5	201.53	0.91	3.41e-03	-14.53	0.0	-4.36	8.19	0.01	0.63	-0.71	0.0
		0.0	-0.71	1.45e-03	0.0	55.5	-4.36	-0.46	0.01	0.63	0.10	201.52
						110.9	-4.36	-6.34	0.01	0.63	0.91	0.0
14	6	992.42	2.89	0.01	-70.15	0.0	-9.41	45.27	0.05	2.48	-2.97	0.0
		0.0	-2.97	4.41e-03	0.0	55.5	-9.41	-5.10	0.05	2.48	-0.04	972.82
						110.9	-9.41	-24.88	0.05	2.48	2.89	0.0
14	7	201.53	0.91	3.41e-03	-14.53	0.0	-4.36	8.19	0.01	0.63	-0.71	0.0
		0.0	-0.71	1.45e-03	0.0	55.5	-4.36	-0.46	0.01	0.63	0.10	201.52
						110.9	-4.36	-6.34	0.01	0.63	0.91	0.0
14	8	755.15	2.29	0.01	-53.47	0.0	-7.89	34.15	0.04	1.93	-2.29	0.0
		0.0	-2.29	3.52e-03	0.0	55.5	-7.89	-3.71	0.04	1.93	1.65e-03	741.43
						110.9	-7.89	-19.32	0.04	1.93	2.29	0.0
14	9	201.53	0.91	3.41e-03	-14.53	0.0	-4.36	8.19	0.01	0.63	-0.71	0.0
		0.0	-0.71	1.45e-03	0.0	55.5	-4.36	-0.46	0.01	0.63	0.10	201.52
						110.9	-4.36	-6.34	0.01	0.63	0.91	0.0
14	10	676.06	2.10	0.01	-47.90	0.0	-7.39	30.44	0.04	1.74	-2.06	0.0
		0.0	-2.06	3.22e-03	0.0	55.5	-7.39	-3.24	0.04	1.74	0.02	664.30
						110.9	-7.39	-17.46	0.04	1.74	2.10	0.0
14	11	676.06	9.06	-5.99e-03	-47.90	0.0	-10.14	30.44	-0.07	8.26	9.06	0.0
		0.0	-0.92	-1.25e-03	0.0	55.5	-10.14	-3.24	-0.07	8.26	4.07	664.30
						110.9	-10.14	-17.46	-0.07	8.26	-0.92	0.0

14	12	676.06	5.29	-0.14	-47.90	0.0	48.02	30.44	-0.12	4.70	5.29	0.0
		0.0	-7.88	-0.02	0.0	55.5	48.02	-3.24	-0.12	4.70	-1.30	664.30
						110.9	48.02	-17.46	-0.12	4.70	-7.88	0.0
14	13	676.06	12.07	0.16	-47.90	0.0	-62.80	30.44	0.19	-1.22	-9.42	0.0
		0.0	-9.42	0.03	0.0	55.5	-62.80	-3.24	0.19	-1.22	1.33	664.30
						110.9	-62.80	-17.46	0.19	-1.22	12.07	0.0
14	14	676.06	5.11	0.03	-47.90	0.0	-4.64	30.44	0.15	-4.78	-13.19	0.0
		0.0	-13.19	7.70e-03	0.0	55.5	-4.64	-3.24	0.15	-4.78	-4.04	664.30
						110.9	-4.64	-17.46	0.15	-4.78	5.11	0.0
14	15	676.06	8.88	-8.14e-03	-47.90	0.0	-9.31	30.44	-0.07	8.51	8.88	0.0
		0.0	-0.98	-1.66e-03	0.0	55.5	-9.31	-3.24	-0.07	8.51	3.95	664.30
						110.9	-9.31	-17.46	-0.07	8.51	-0.98	0.0
14	16	676.06	5.48	-0.14	-47.90	0.0	47.19	30.44	-0.12	4.45	5.48	0.0
		0.0	-7.82	-0.02	0.0	55.5	47.19	-3.24	-0.12	4.45	-1.17	664.30
						110.9	47.19	-17.46	-0.12	4.45	-7.82	0.0
14	17	676.06	12.01	0.16	-47.90	0.0	-61.97	30.44	0.19	-0.97	-9.60	0.0
		0.0	-9.60	0.03	0.0	55.5	-61.97	-3.24	0.19	-0.97	1.20	664.30
						110.9	-61.97	-17.46	0.19	-0.97	12.01	0.0
14	18	676.06	5.18	0.03	-47.90	0.0	-5.47	30.44	0.15	-5.03	-13.00	0.0
		0.0	-13.00	8.11e-03	0.0	55.5	-5.47	-3.24	0.15	-5.03	-3.91	664.30
						110.9	-5.47	-17.46	0.15	-5.03	5.18	0.0
14	19	676.06	8.54	-0.01	-47.90	0.0	-9.25	30.44	-0.07	8.48	8.54	0.0
		0.0	-0.77	-9.52e-04	0.0	55.5	-9.25	-3.24	-0.07	8.48	3.88	664.30
						110.9	-9.25	-17.46	-0.07	8.48	-0.77	0.0
14	20	676.06	4.77	-0.14	-47.90	0.0	48.92	30.44	-0.11	4.91	4.77	0.0
		0.0	-7.73	-0.02	0.0	55.5	48.92	-3.24	-0.11	4.91	-1.48	664.30
						110.9	48.92	-17.46	-0.11	4.91	-7.73	0.0
14	21	676.06	11.93	0.16	-47.90	0.0	-63.69	30.44	0.18	-1.43	-8.90	0.0
		0.0	-8.90	0.03	0.0	55.5	-63.69	-3.24	0.18	-1.43	1.51	664.30
						110.9	-63.69	-17.46	0.18	-1.43	11.93	0.0
14	22	676.06	4.96	0.03	-47.90	0.0	-5.53	30.44	0.14	-5.00	-12.67	0.0
		0.0	-12.67	7.40e-03	0.0	55.5	-5.53	-3.24	0.14	-5.00	-3.85	664.30
						110.9	-5.53	-17.46	0.14	-5.00	4.96	0.0
14	23	676.06	8.35	-0.01	-47.90	0.0	-8.42	30.44	-0.06	8.72	8.35	0.0
		0.0	-0.84	-1.36e-03	0.0	55.5	-8.42	-3.24	-0.06	8.72	3.76	664.30
						110.9	-8.42	-17.46	-0.06	8.72	-0.84	0.0
14	24	676.06	4.95	-0.14	-47.90	0.0	48.09	30.44	-0.11	4.66	4.95	0.0
		0.0	-7.67	-0.02	0.0	55.5	48.09	-3.24	-0.11	4.66	-1.36	664.30
						110.9	48.09	-17.46	-0.11	4.66	-7.67	0.0
14	25	676.06	11.86	0.16	-47.90	0.0	-62.86	30.44	0.18	-1.18	-9.08	0.0
		0.0	-9.08	0.03	0.0	55.5	-62.86	-3.24	0.18	-1.18	1.39	664.30
						110.9	-62.86	-17.46	0.18	-1.18	11.86	0.0
14	26	676.06	5.03	0.03	-47.90	0.0	-6.36	30.44	0.14	-5.24	-12.48	0.0
		0.0	-12.48	7.81e-03	0.0	55.5	-6.36	-3.24	0.14	-5.24	-3.73	664.30
						110.9	-6.36	-17.46	0.14	-5.24	5.03	0.0
14	27	676.06	11.75	0.20	-47.90	0.0	-96.43	30.44	0.07	9.11	7.00	0.0
		0.0	7.00	0.04	0.0	55.5	-96.43	-3.24	0.07	9.11	9.37	664.30
						110.9	-96.43	-17.46	0.07	9.11	11.75	0.0
14	28	676.06	-5.58	-0.23	-47.90	0.0	97.45	30.44	-0.07	-2.78	-5.58	0.0
		0.0	-11.46	-0.04	0.0	55.5	97.45	-3.24	-0.07	-2.78	-8.52	664.30
						110.9	97.45	-17.46	-0.07	-2.78	-11.46	0.0
14	29	676.06	15.65	0.25	-47.90	0.0	-112.23	30.44	0.15	6.26	1.45	0.0
		0.0	1.45	0.05	0.0	55.5	-112.23	-3.24	0.15	6.26	8.55	664.30
						110.9	-112.23	-17.46	0.15	6.26	15.65	0.0
14	30	676.06	-7.56	-0.18	-47.90	0.0	81.65	30.44	6.09e-03	-5.63	-11.13	0.0
		0.0	-11.13	-0.03	0.0	55.5	81.65	-3.24	6.09e-03	-5.63	-9.34	664.30
						110.9	81.65	-17.46	6.09e-03	-5.63	-7.56	0.0
14	31	676.06	11.80	0.20	-47.90	0.0	-96.16	30.44	0.07	9.17	6.84	0.0
		0.0	6.84	0.04	0.0	55.5	-96.16	-3.24	0.07	9.17	9.32	664.30
						110.9	-96.16	-17.46	0.07	9.17	11.80	0.0
14	32	676.06	-5.74	-0.24	-47.90	0.0	97.72	30.44	-0.07	-2.72	-5.74	0.0
		0.0	-11.41	-0.04	0.0	55.5	97.72	-3.24	-0.07	-2.72	-8.58	664.30
						110.9	97.72	-17.46	-0.07	-2.72	-11.41	0.0
14	33	676.06	15.60	0.26	-47.90	0.0	-112.49	30.44	0.15	6.20	1.61	0.0
		0.0	1.61	0.05	0.0	55.5	-112.49	-3.24	0.15	6.20	8.61	664.30
						110.9	-112.49	-17.46	0.15	6.20	15.60	0.0
14	34	676.06	-7.60	-0.18	-47.90	0.0	81.38	30.44	3.75e-03	-5.69	-10.97	0.0
		0.0	-10.97	-0.03	0.0	55.5	81.38	-3.24	3.75e-03	-5.69	-9.29	664.30
						110.9	81.38	-17.46	3.75e-03	-5.69	-7.60	0.0
14	35	676.06	11.54	0.20	-47.90	0.0	-93.66	30.44	0.08	9.93	6.37	0.0
		0.0	6.37	0.04	0.0	55.5	-93.66	-3.24	0.08	9.93	8.96	664.30
						110.9	-93.66	-17.46	0.08	9.93	11.54	0.0

14	36	676.06	-4.96	-0.23	-47.90	0.0	94.69	30.44	-0.08	-3.60	-4.96	0.0
		0.0	-11.25	-0.04	0.0	55.5	94.69	-3.24	-0.08	-3.60	-8.10	664.30
						110.9	94.69	-17.46	-0.08	-3.60	-11.25	0.0
14	37	676.06	15.44	0.25	-47.90	0.0	-109.46	30.44	0.15	7.08	0.83	0.0
		0.0	0.83	0.05	0.0	55.5	-109.46	-3.24	0.15	7.08	8.13	664.30
						110.9	-109.46	-17.46	0.15	7.08	15.44	0.0
14	38	676.06	-7.35	-0.18	-47.90	0.0	78.89	30.44	-7.59e-04	-6.45	-10.50	0.0
		0.0	-10.50	-0.03	0.0	55.5	78.89	-3.24	-7.59e-04	-6.45	-8.92	664.30
						110.9	78.89	-17.46	-7.59e-04	-6.45	-7.35	0.0
14	39	676.06	11.58	0.20	-47.90	0.0	-93.40	30.44	0.08	9.99	6.22	0.0
		0.0	6.22	0.04	0.0	55.5	-93.40	-3.24	0.08	9.99	8.90	664.30
						110.9	-93.40	-17.46	0.08	9.99	11.58	0.0
14	40	676.06	-5.11	-0.23	-47.90	0.0	94.95	30.44	-0.08	-3.54	-5.11	0.0
		0.0	-11.20	-0.04	0.0	55.5	94.95	-3.24	-0.08	-3.54	-8.16	664.30
						110.9	94.95	-17.46	-0.08	-3.54	-11.20	0.0
14	41	676.06	15.39	0.25	-47.90	0.0	-109.73	30.44	0.15	7.02	0.99	0.0
		0.0	0.99	0.05	0.0	55.5	-109.73	-3.24	0.15	7.02	8.19	664.30
						110.9	-109.73	-17.46	0.15	7.02	15.39	0.0
14	42	676.06	-7.39	-0.18	-47.90	0.0	78.62	30.44	-3.10e-03	-6.51	-10.35	0.0
		0.0	-10.35	-0.03	0.0	55.5	78.62	-3.24	-3.10e-03	-6.51	-8.87	664.30
						110.9	78.62	-17.46	-3.10e-03	-6.51	-7.39	0.0
14	43	676.06	6.64	-3.98e-03	-47.90	0.0	-9.55	30.44	-0.05	6.90	6.64	0.0
		0.0	-0.28	-3.39e-04	0.0	55.5	-9.55	-3.24	-0.05	6.90	3.18	664.30
						110.9	-9.55	-17.46	-0.05	6.90	-0.28	0.0
14	44	676.06	3.67	-0.11	-47.90	0.0	36.49	30.44	-0.08	4.08	3.67	0.0
		0.0	-5.79	-0.02	0.0	55.5	36.49	-3.24	-0.08	4.08	-1.06	664.30
						110.9	36.49	-17.46	-0.08	4.08	-5.79	0.0
14	45	676.06	9.98	0.13	-47.90	0.0	-51.27	30.44	0.16	-0.60	-7.80	0.0
		0.0	-7.80	0.03	0.0	55.5	-51.27	-3.24	0.16	-0.60	1.09	664.30
						110.9	-51.27	-17.46	0.16	-0.60	9.98	0.0
14	46	676.06	4.47	0.02	-47.90	0.0	-5.23	30.44	0.12	-3.42	-10.77	0.0
		0.0	-10.77	6.78e-03	0.0	55.5	-5.23	-3.24	0.12	-3.42	-3.15	664.30
						110.9	-5.23	-17.46	0.12	-3.42	4.47	0.0
14	47	676.06	6.49	-5.21e-03	-47.90	0.0	-8.90	30.44	-0.05	7.10	6.49	0.0
		0.0	-0.33	-6.59e-04	0.0	55.5	-8.90	-3.24	-0.05	7.10	3.08	664.30
						110.9	-8.90	-17.46	-0.05	7.10	-0.33	0.0
14	48	676.06	3.83	-0.11	-47.90	0.0	35.84	30.44	-0.08	3.88	3.83	0.0
		0.0	-5.74	-0.02	0.0	55.5	35.84	-3.24	-0.08	3.88	-0.96	664.30
						110.9	35.84	-17.46	-0.08	3.88	-5.74	0.0
14	49	676.06	9.93	0.13	-47.90	0.0	-50.61	30.44	0.16	-0.40	-7.95	0.0
		0.0	-7.95	0.02	0.0	55.5	-50.61	-3.24	0.16	-0.40	0.99	664.30
						110.9	-50.61	-17.46	0.16	-0.40	9.93	0.0
14	50	676.06	4.52	0.03	-47.90	0.0	-5.88	30.44	0.12	-3.62	-10.61	0.0
		0.0	-10.61	7.11e-03	0.0	55.5	-5.88	-3.24	0.12	-3.62	-3.05	664.30
						110.9	-5.88	-17.46	0.12	-3.62	4.52	0.0
14	51	676.06	6.19	-7.80e-03	-47.90	0.0	-8.84	30.44	-0.04	7.07	6.19	0.0
		0.0	-0.16	-1.98e-04	0.0	55.5	-8.84	-3.24	-0.04	7.07	3.02	664.30
						110.9	-8.84	-17.46	-0.04	7.07	-0.16	0.0
14	52	676.06	3.23	-0.11	-47.90	0.0	37.20	30.44	-0.08	4.25	3.23	0.0
		0.0	-5.67	-0.02	0.0	55.5	37.20	-3.24	-0.08	4.25	-1.22	664.30
						110.9	37.20	-17.46	-0.08	4.25	-5.67	0.0
14	53	676.06	9.86	0.13	-47.90	0.0	-51.98	30.44	0.15	-0.77	-7.36	0.0
		0.0	-7.36	0.02	0.0	55.5	-51.98	-3.24	0.15	-0.77	1.25	664.30
						110.9	-51.98	-17.46	0.15	-0.77	9.86	0.0
14	54	676.06	4.35	0.03	-47.90	0.0	-5.94	30.44	0.12	-3.59	-10.32	0.0
		0.0	-10.32	6.57e-03	0.0	55.5	-5.94	-3.24	0.12	-3.59	-2.98	664.30
						110.9	-5.94	-17.46	0.12	-3.59	4.35	0.0
14	55	676.06	6.04	-9.65e-03	-47.90	0.0	-8.19	30.44	-0.04	7.27	6.04	0.0
		0.0	-0.21	-4.45e-04	0.0	55.5	-8.19	-3.24	-0.04	7.27	2.92	664.30
						110.9	-8.19	-17.46	-0.04	7.27	-0.21	0.0
14	56	676.06	3.38	-0.11	-47.90	0.0	36.55	30.44	-0.08	4.05	3.38	0.0
		0.0	-5.62	-0.02	0.0	55.5	36.55	-3.24	-0.08	4.05	-1.12	664.30
						110.9	36.55	-17.46	-0.08	4.05	-5.62	0.0
14	57	676.06	9.81	0.13	-47.90	0.0	-51.32	30.44	0.15	-0.57	-7.51	0.0
		0.0	-7.51	0.02	0.0	55.5	-51.32	-3.24	0.15	-0.57	1.15	664.30
						110.9	-51.32	-17.46	0.15	-0.57	9.81	0.0
14	58	676.06	4.40	0.03	-47.90	0.0	-6.59	30.44	0.12	-3.79	-10.17	0.0
		0.0	-10.17	6.89e-03	0.0	55.5	-6.59	-3.24	0.12	-3.79	-2.88	664.30
						110.9	-6.59	-17.46	0.12	-3.79	4.40	0.0
14	59	676.06	9.74	0.16	-47.90	0.0	-77.86	30.44	0.06	7.57	5.04	0.0
		0.0	5.04	0.03	0.0	55.5	-77.86	-3.24	0.06	7.57	7.39	664.30
						110.9	-77.86	-17.46	0.06	7.57	9.74	0.0

14	60	676.06	-4.84	-0.18	-47.90	0.0	75.60	30.44	-0.05	-1.84	-4.84	0.0
		0.0	-8.62	-0.03	0.0	55.5	75.60	-3.24	-0.05	-1.84	-6.736	64.30
						110.9	75.60	-17.46	-0.05	-1.84	-8.62	0.0
14	61	676.06	12.81	0.20	-47.90	0.0	-90.38	30.44	0.12	5.32	0.71	0.0
		0.0	0.71	0.04	0.0	55.5	-90.38	-3.24	0.12	5.32	6.766	64.30
						110.9	-90.38	-17.46	0.12	5.32	12.81	0.0
14	62	676.06	-5.55	-0.14	-47.90	0.0	63.08	30.44	0.01	-4.09	-9.17	0.0
		0.0	-9.17	-0.02	0.0	55.5	63.08	-3.24	0.01	-4.09	-7.366	64.30
						110.9	63.08	-17.46	0.01	-4.09	-5.55	0.0
14	63	676.06	9.77	0.16	-47.90	0.0	-77.65	30.44	0.06	7.62	4.91	0.0
		0.0	4.91	0.03	0.0	55.5	-77.65	-3.24	0.06	7.62	7.346	64.30
						110.9	-77.65	-17.46	0.06	7.62	9.77	0.0
14	64	676.06	-4.97	-0.18	-47.90	0.0	75.81	30.44	-0.05	-1.79	-4.97	0.0
		0.0	-8.59	-0.03	0.0	55.5	75.81	-3.24	-0.05	-1.79	-6.786	64.30
						110.9	75.81	-17.46	-0.05	-1.79	-8.59	0.0
14	65	676.06	12.78	0.20	-47.90	0.0	-90.59	30.44	0.12	5.27	0.84	0.0
		0.0	0.84	0.04	0.0	55.5	-90.59	-3.24	0.12	5.27	6.816	64.30
						110.9	-90.59	-17.46	0.12	5.27	12.78	0.0
14	66	676.06	-5.58	-0.14	-47.90	0.0	62.87	30.44	0.01	-4.14	-9.04	0.0
		0.0	-9.04	-0.02	0.0	55.5	62.87	-3.24	0.01	-4.14	-7.316	64.30
						110.9	62.87	-17.46	0.01	-4.14	-5.58	0.0
14	67	676.06	9.57	0.16	-47.90	0.0	-75.69	30.44	0.07	8.22	4.54	0.0
		0.0	4.54	0.03	0.0	55.5	-75.69	-3.24	0.07	8.22	7.056	64.30
						110.9	-75.69	-17.46	0.07	8.22	9.57	0.0
14	68	676.06	-4.33	-0.18	-47.90	0.0	73.43	30.44	-0.05	-2.49	-4.33	0.0
		0.0	-8.46	-0.03	0.0	55.5	73.43	-3.24	-0.05	-2.49	-6.406	64.30
						110.9	73.43	-17.46	-0.05	-2.49	-8.46	0.0
14	69	676.06	12.65	0.20	-47.90	0.0	-88.20	30.44	0.13	5.97	0.21	0.0
		0.0	0.21	0.04	0.0	55.5	-88.20	-3.24	0.13	5.97	6.436	64.30
						110.9	-88.20	-17.46	0.13	5.97	12.65	0.0
14	70	676.06	-5.38	-0.14	-47.90	0.0	60.91	30.44	7.72e-03	-4.74	-8.66	0.0
		0.0	-8.66	-0.02	0.0	55.5	60.91	-3.24	7.72e-03	-4.74	-7.026	64.30
						110.9	60.91	-17.46	7.72e-03	-4.74	-5.38	0.0
14	71	676.06	9.61	0.16	-47.90	0.0	-75.48	30.44	0.07	8.28	4.40	0.0
		0.0	4.40	0.03	0.0	55.5	-75.48	-3.24	0.07	8.28	7.016	64.30
						110.9	-75.48	-17.46	0.07	8.28	9.61	0.0
14	72	676.06	-4.47	-0.18	-47.90	0.0	73.64	30.44	-0.05	-2.44	-4.47	0.0
		0.0	-8.42	-0.03	0.0	55.5	73.64	-3.24	-0.05	-2.44	-6.446	64.30
						110.9	73.64	-17.46	-0.05	-2.44	-8.42	0.0
14	73	676.06	12.61	0.20	-47.90	0.0	-88.42	30.44	0.13	5.92	0.34	0.0
		0.0	0.34	0.04	0.0	55.5	-88.42	-3.24	0.13	5.92	6.486	64.30
						110.9	-88.42	-17.46	0.13	5.92	12.61	0.0
14	74	676.06	-5.42	-0.14	-47.90	0.0	60.70	30.44	5.80e-03	-4.80	-8.53	0.0
		0.0	-8.53	-0.02	0.0	55.5	60.70	-3.24	5.80e-03	-4.80	-6.976	64.30
						110.9	60.70	-17.46	5.80e-03	-4.80	-5.42	0.0
14	75	676.06	5.15	-2.68e-03	-47.90	0.0	-9.17	30.44	-0.03	6.01	5.15	0.0
		0.0	0.13	2.85e-04	0.0	55.5	-9.17	-3.24	-0.03	6.01	2.646	64.30
						110.9	-9.17	-17.46	-0.03	6.01	0.13	0.0
14	76	676.06	2.70	-0.09	-47.90	0.0	28.87	30.44	-0.06	3.67	2.70	0.0
		0.0	-4.43	-0.01	0.0	55.5	28.87	-3.24	-0.06	3.67	-0.866	64.30
						110.9	28.87	-17.46	-0.06	3.67	-4.43	0.0
14	77	676.06	8.62	0.11	-47.90	0.0	-43.65	30.44	0.14	-0.19	-6.83	0.0
		0.0	-6.83	0.02	0.0	55.5	-43.65	-3.24	0.14	-0.19	0.896	64.30
						110.9	-43.65	-17.46	0.14	-0.19	8.62	0.0
14	78	676.06	4.06	0.02	-47.90	0.0	-5.60	30.44	0.11	-2.53	-9.28	0.0
		0.0	-9.28	6.16e-03	0.0	55.5	-5.60	-3.24	0.11	-2.53	-2.616	64.30
						110.9	-5.60	-17.46	0.11	-2.53	4.06	0.0
14	79	676.06	5.03	-3.52e-03	-47.90	0.0	-8.64	30.44	-0.03	6.17	5.03	0.0
		0.0	0.09	-1.13e-04	0.0	55.5	-8.64	-3.24	-0.03	6.17	2.566	64.30
						110.9	-8.64	-17.46	-0.03	6.17	0.09	0.0
14	80	676.06	2.83	-0.09	-47.90	0.0	28.34	30.44	-0.06	3.51	2.83	0.0
		0.0	-4.38	-0.01	0.0	55.5	28.34	-3.24	-0.06	3.51	-0.786	64.30
						110.9	28.34	-17.46	-0.06	3.51	-4.38	0.0
14	81	676.06	8.58	0.11	-47.90	0.0	-43.11	30.44	0.14	-0.03	-6.95	0.0
		0.0	-6.95	0.02	0.0	55.5	-43.11	-3.24	0.14	-0.03	0.816	64.30
						110.9	-43.11	-17.46	0.14	-0.03	8.58	0.0
14	82	676.06	4.10	0.02	-47.90	0.0	-6.14	30.44	0.11	-2.69	-9.16	0.0
		0.0	-9.16	6.43e-03	0.0	55.5	-6.14	-3.24	0.11	-2.69	-2.536	64.30
						110.9	-6.14	-17.46	0.11	-2.69	4.10	0.0
14	83	676.06	4.79	-5.13e-03	-47.90	0.0	-8.59	30.44	-0.03	6.15	4.79	0.0
		0.0	0.23	4.66e-04	0.0	55.5	-8.59	-3.24	-0.03	6.15	2.516	64.30
						110.9	-8.59	-17.46	-0.03	6.15	0.23	0.0

14	84	676.06	2.34	-0.09	-47.90	0.0	29.46	30.44	-0.06	3.81	2.34	0.0
		0.0	-4.33	-0.01	0.0	55.5	29.46	-3.24	-0.06	3.81	-1.00	664.30
						110.9	29.46	-17.46	-0.06	3.81	-4.33	0.0
14	85	676.06	8.52	0.11	-47.90	0.0	-44.24	30.44	0.13	-0.33	-6.46	0.0
		0.0	-6.46	0.02	0.0	55.5	-44.24	-3.24	0.13	-0.33	1.03	664.30
						110.9	-44.24	-17.46	0.13	-0.33	8.52	0.0
14	86	676.06	3.96	0.02	-47.90	0.0	-6.19	30.44	0.10	-2.67	-8.91	0.0
		0.0	-8.91	5.98e-03	0.0	55.5	-6.19	-3.24	0.10	-2.67	-2.48	664.30
						110.9	-6.19	-17.46	0.10	-2.67	3.96	0.0
14	87	676.06	4.66	-6.30e-03	-47.90	0.0	-8.05	30.44	-0.03	6.31	4.66	0.0
		0.0	0.18	1.97e-04	0.0	55.5	-8.05	-3.24	-0.03	6.31	2.42	664.30
						110.9	-8.05	-17.46	-0.03	6.31	0.18	0.0
14	88	676.06	2.46	-0.09	-47.90	0.0	28.92	30.44	-0.06	3.65	2.46	0.0
		0.0	-4.29	-0.01	0.0	55.5	28.92	-3.24	-0.06	3.65	-0.91	664.30
						110.9	28.92	-17.46	-0.06	3.65	-4.29	0.0
14	89	676.06	8.48	0.11	-47.90	0.0	-43.70	30.44	0.13	-0.17	-6.59	0.0
		0.0	-6.59	0.02	0.0	55.5	-43.70	-3.24	0.13	-0.17	0.94	664.30
						110.9	-43.70	-17.46	0.13	-0.17	8.48	0.0
14	90	676.06	4.01	0.03	-47.90	0.0	-6.73	30.44	0.10	-2.83	-8.79	0.0
		0.0	-8.79	6.25e-03	0.0	55.5	-6.73	-3.24	0.10	-2.83	-2.39	664.30
						110.9	-6.73	-17.46	0.10	-2.83	4.01	0.0
14	91	676.06	8.41	0.14	-47.90	0.0	-65.63	30.44	0.06	6.56	3.82	0.0
		0.0	3.82	0.03	0.0	55.5	-65.63	-3.24	0.06	6.56	6.11	664.30
						110.9	-65.63	-17.46	0.06	6.56	8.41	0.0
14	92	676.06	-4.35	-0.15	-47.90	0.0	61.20	30.44	-0.03	-1.22	-4.35	0.0
		0.0	-6.77	-0.03	0.0	55.5	61.20	-3.24	-0.03	-1.22	-5.56	664.30
						110.9	61.20	-17.46	-0.03	-1.22	-6.77	0.0
14	93	676.06	10.96	0.17	-47.90	0.0	-75.98	30.44	0.11	4.70	0.22	0.0
		0.0	0.22	0.03	0.0	55.5	-75.98	-3.24	0.11	4.70	5.59	664.30
						110.9	-75.98	-17.46	0.11	4.70	10.96	0.0
14	94	676.06	-4.22	-0.12	-47.90	0.0	50.86	30.44	0.02	-3.08	-7.95	0.0
		0.0	-7.95	-0.02	0.0	55.5	50.86	-3.24	0.02	-3.08	-6.08	664.30
						110.9	50.86	-17.46	0.02	-3.08	-4.22	0.0
14	95	676.06	8.44	0.14	-47.90	0.0	-65.46	30.44	0.06	6.60	3.71	0.0
		0.0	3.71	0.03	0.0	55.5	-65.46	-3.24	0.06	6.60	6.07	664.30
						110.9	-65.46	-17.46	0.06	6.60	8.44	0.0
14	96	676.06	-4.46	-0.15	-47.90	0.0	61.37	30.44	-0.03	-1.18	-4.46	0.0
		0.0	-6.74	-0.03	0.0	55.5	61.37	-3.24	-0.03	-1.18	-5.60	664.30
						110.9	61.37	-17.46	-0.03	-1.18	-6.74	0.0
14	97	676.06	10.93	0.17	-47.90	0.0	-76.15	30.44	0.11	4.66	0.33	0.0
		0.0	0.33	0.03	0.0	55.5	-76.15	-3.24	0.11	4.66	5.63	664.30
						110.9	-76.15	-17.46	0.11	4.66	10.93	0.0
14	98	676.06	-4.25	-0.12	-47.90	0.0	50.68	30.44	0.02	-3.12	-7.84	0.0
		0.0	-7.84	-0.02	0.0	55.5	50.68	-3.24	0.02	-3.12	-6.04	664.30
						110.9	50.68	-17.46	0.02	-3.12	-4.25	0.0
14	99	676.06	8.27	0.13	-47.90	0.0	-63.84	30.44	0.06	7.10	3.40	0.0
		0.0	3.40	0.02	0.0	55.5	-63.84	-3.24	0.06	7.10	5.84	664.30
						110.9	-63.84	-17.46	0.06	7.10	8.27	0.0
14	100	676.06	-3.94	-0.14	-47.90	0.0	59.40	30.44	-0.04	-1.76	-3.94	0.0
		0.0	-6.63	-0.02	0.0	55.5	59.40	-3.24	-0.04	-1.76	-5.28	664.30
						110.9	59.40	-17.46	-0.04	-1.76	-6.63	0.0
14	101	676.06	10.82	0.16	-47.90	0.0	-74.18	30.44	0.11	5.24	-0.19	0.0
		0.0	-0.19	0.03	0.0	55.5	-74.18	-3.24	0.11	5.24	5.31	664.30
						110.9	-74.18	-17.46	0.11	5.24	10.82	0.0
14	102	676.06	-4.08	-0.11	-47.90	0.0	49.06	30.44	0.01	-3.62	-7.53	0.0
		0.0	-7.53	-0.02	0.0	55.5	49.06	-3.24	0.01	-3.62	-5.81	664.30
						110.9	49.06	-17.46	0.01	-3.62	-4.08	0.0
14	103	676.06	8.30	0.13	-47.90	0.0	-63.66	30.44	0.06	7.14	3.29	0.0
		0.0	3.29	0.02	0.0	55.5	-63.66	-3.24	0.06	7.14	5.80	664.30
						110.9	-63.66	-17.46	0.06	7.14	8.30	0.0
14	104	676.06	-4.05	-0.15	-47.90	0.0	59.58	30.44	-0.04	-1.72	-4.05	0.0
		0.0	-6.60	-0.02	0.0	55.5	59.58	-3.24	-0.04	-1.72	-5.32	664.30
						110.9	59.58	-17.46	-0.04	-1.72	-6.60	0.0
14	105	676.06	10.79	0.17	-47.90	0.0	-74.36	30.44	0.11	5.20	-0.08	0.0
		0.0	-0.08	0.03	0.0	55.5	-74.36	-3.24	0.11	5.20	5.35	664.30
						110.9	-74.36	-17.46	0.11	5.20	10.79	0.0
14	106	676.06	-4.11	-0.11	-47.90	0.0	48.88	30.44	0.01	-3.66	-7.42	0.0
		0.0	-7.42	-0.02	0.0	55.5	48.88	-3.24	0.01	-3.66	-5.77	664.30
						110.9	48.88	-17.46	0.01	-3.66	-4.11	0.0
15	1	274.65	47.85	4.70e-03	-19.78	0.0	-12.28	11.24	1.37	1.27	-104.24	0.0
		0.0	-104.24	6.95e-03	0.0	55.5	-12.28	-0.68	1.37	1.27	-28.19	274.31
						110.9	-12.28	-8.54	1.37	1.27	47.85	0.0

15	2	1460.98	246.15	0.02	-103.21	0.0	44.29	66.87	6.81	4.13	-509.85	0.0
		0.0	-509.85	0.02	0.0	55.5	44.29	-7.63	6.81	4.13	-131.85	
1431.28												
						110.9	44.29	-36.35	6.81	4.13	246.15	0.0
15	3	189.18	33.07	3.30e-03	-13.64	0.0	-10.52	7.60	0.95	0.93	-72.53	0.0
		0.0	-72.53	5.03e-03	0.0	55.5	-10.52	-0.39	0.95	0.93	-19.73	189.18
						110.9	-10.52	-6.04	0.95	0.93	33.07	0.0
15	4	1375.22	231.37	0.02	-97.07	0.0	46.06	63.22	6.40	3.78	-478.14	0.0
		0.0	-478.14	0.02	0.0	55.5	46.06	-7.34	6.40	3.78	-123.38	
1346.14												
						110.9	46.06	-33.85	6.40	3.78	231.37	0.0
15	5	201.53	35.18	3.48e-03	-14.53	0.0	-9.91	8.19	1.01	0.96	-76.85	0.0
		0.0	-76.85	5.21e-03	0.0	55.5	-9.91	-0.46	1.01	0.96	-20.84	201.52
						110.9	-9.91	-6.34	1.01	0.96	35.18	0.0
15	6	992.42	167.38	0.01	-70.15	0.0	27.81	45.27	4.64	2.86	-347.26	0.0
		0.0	-347.26	0.02	0.0	55.5	27.81	-5.10	4.64	2.86	-89.94	972.83
						110.9	27.81	-24.88	4.64	2.86	167.38	0.0
15	7	201.53	35.18	3.48e-03	-14.53	0.0	-9.91	8.19	1.01	0.96	-76.85	0.0
		0.0	-76.85	5.21e-03	0.0	55.5	-9.91	-0.46	1.01	0.96	-20.84	201.52
						110.9	-9.91	-6.34	1.01	0.96	35.18	0.0
15	8	755.16	127.72	0.01	-53.47	0.0	16.49	34.15	3.55	2.29	-266.14	0.0
		0.0	-266.14	0.01	0.0	55.5	16.49	-3.71	3.55	2.29	-69.21	741.43
						110.9	16.49	-19.32	3.55	2.29	127.72	0.0
15	9	201.53	35.18	3.48e-03	-14.53	0.0	-9.91	8.19	1.01	0.96	-76.85	0.0
		0.0	-76.85	5.21e-03	0.0	55.5	-9.91	-0.46	1.01	0.96	-20.84	201.52
						110.9	-9.91	-6.34	1.01	0.96	35.18	0.0
15	10	676.07	114.50	0.01	-47.90	0.0	12.72	30.44	3.19	2.10	-239.10	0.0
		0.0	-239.10	0.01	0.0	55.5	12.72	-3.24	3.19	2.10	-62.30	664.30
						110.9	12.72	-17.46	3.19	2.10	114.50	0.0
15	11	676.07	483.50	-5.21e-03	-47.90	0.0	-626.86	30.44	14.59	18.07	-1131.02	0.0
		0.0	-1131.02	0.05	0.0	55.5	-626.86	-3.24	14.59	18.07	-323.76	664.30
						110.9	-626.86	-17.46	14.59	18.07	483.50	0.0
15	12	676.07	639.55	-0.14	-47.90	0.0	-109.44	30.44	18.34	2.59	-1399.70	0.0
		0.0	-1399.70	0.02	0.0	55.5	-109.44	-3.24	18.34	2.59	-380.08	664.30
						110.9	-109.44	-17.46	18.34	2.59	639.55	0.0
15	13	676.07	921.50	0.16	-47.90	0.0	134.87	30.44	-11.97	1.61	921.50	0.0
		0.0	-410.54	0.03	0.0	55.5	134.87	-3.24	-11.97	1.61	255.48	664.30
						110.9	134.87	-17.46	-11.97	1.61	-410.54	0.0
15	14	676.07	652.82	0.03	-47.90	0.0	652.29	30.44	-8.21	-13.87	652.82	0.0
		0.0	-254.49	-0.03	0.0	55.5	652.29	-3.24	-8.21	-13.87	199.16	664.30
						110.9	652.29	-17.46	-8.21	-13.87	-254.49	0.0
15	15	676.07	494.72	-7.11e-03	-47.90	0.0	-652.80	30.44	14.67	18.38	-1126.71	0.0
		0.0	-1126.71	0.05	0.0	55.5	-652.80	-3.24	14.67	18.38	-315.99	664.30
						110.9	-652.80	-17.46	14.67	18.38	494.72	0.0
15	16	676.07	628.32	-0.14	-47.90	0.0	-83.49	30.44	18.26	2.28	-1404.01	0.0
		0.0	-1404.01	0.02	0.0	55.5	-83.49	-3.24	18.26	2.28	-387.84	664.30
						110.9	-83.49	-17.46	18.26	2.28	628.32	0.0
15	17	676.07	925.81	0.16	-47.90	0.0	108.93	30.44	-11.89	1.91	925.81	0.0
		0.0	-399.32	0.03	0.0	55.5	108.93	-3.24	-11.89	1.91	263.25	664.30
						110.9	108.93	-17.46	-11.89	1.91	-399.32	0.0
15	18	676.07	648.51	0.03	-47.90	0.0	678.24	30.44	-8.29	-14.18	648.51	0.0
		0.0	-265.72	-0.03	0.0	55.5	678.24	-3.24	-8.29	-14.18	191.40	664.30
						110.9	678.24	-17.46	-8.29	-14.18	-265.72	0.0
15	19	676.07	508.94	-0.01	-47.90	0.0	-631.22	30.44	15.32	17.92	-1187.09	0.0
		0.0	-1187.09	0.06	0.0	55.5	-631.22	-3.24	15.32	17.92	-339.08	664.30
						110.9	-631.22	-17.46	15.32	17.92	508.94	0.0
15	20	676.07	664.99	-0.14	-47.90	0.0	-113.80	30.44	19.08	2.44	-1455.77	0.0
		0.0	-1455.77	0.02	0.0	55.5	-113.80	-3.24	19.08	2.44	-395.39	664.30
						110.9	-113.80	-17.46	19.08	2.44	664.99	0.0
15	21	676.07	977.58	0.16	-47.90	0.0	139.24	30.44	-12.70	1.76	977.58	0.0
		0.0	-435.99	0.03	0.0	55.5	139.24	-3.24	-12.70	1.76	270.80	664.30
						110.9	139.24	-17.46	-12.70	1.76	-435.99	0.0
15	22	676.07	708.90	0.03	-47.90	0.0	656.66	30.44	-8.95	-13.72	708.90	0.0
		0.0	-279.94	-0.03	0.0	55.5	656.66	-3.24	-8.95	-13.72	214.48	664.30
						110.9	656.66	-17.46	-8.95	-13.72	-279.94	0.0
15	23	676.07	520.16	-0.01	-47.90	0.0	-657.17	30.44	15.40	18.22	-1182.78	0.0
		0.0	-1182.78	0.05	0.0	55.5	-657.17	-3.24	15.40	18.22	-331.31	664.30
						110.9	-657.17	-17.46	15.40	18.22	520.16	0.0
15	24	676.07	653.77	-0.14	-47.90	0.0	-87.85	30.44	19.00	2.13	-1460.08	0.0
		0.0	-1460.08	0.02	0.0	55.5	-87.85	-3.24	19.00	2.13	-403.16	664.30
						110.9	-87.85	-17.46	19.00	2.13	653.77	0.0
15	25	676.07	981.89	0.16	-47.90	0.0	113.29	30.44	-12.62	2.07	981.89	0.0

		0.0	-424.76	0.03	0.0	55.5	113.29	-3.24	-12.62	2.07	278.56	664.30
						110.9	113.29	-17.46	-12.62	2.07	-424.76	0.0
15	26	676.07	704.58	0.03	-47.90	0.0	682.60	30.44	-9.03	-14.03	704.58	0.0
		0.0	-291.16	-0.03	0.0	55.5	682.60	-3.24	-9.03	-14.03	206.71	664.30
						110.9	682.60	-17.46	-9.03	-14.03	-291.16	0.0
15	27	676.07	-11.47	0.21	-47.90	0.0	-963.91	30.44	0.91	30.37	-99.18	0.0
		0.0	-99.18	0.12	0.0	55.5	-963.91	-3.24	0.91	30.37	-55.33	664.30
						110.9	-963.91	-17.46	0.91	30.37	-11.47	0.0
15	28	676.07	508.69	-0.24	-47.90	0.0	760.83	30.44	13.43	-21.23	-994.77	0.0
		0.0	-994.77	-0.09	0.0	55.5	760.83	-3.24	13.43	-21.23	-243.04	664.30
						110.9	760.83	-17.46	13.43	-21.23	508.69	0.0
15	29	676.07	516.58	0.26	-47.90	0.0	-735.39	30.44	-7.06	25.43	516.58	0.0
		0.0	-279.69	0.11	0.0	55.5	-735.39	-3.24	-7.06	25.43	118.45	664.30
						110.9	-735.39	-17.46	-7.06	25.43	-279.69	0.0
15	30	676.07	240.48	-0.19	-47.90	0.0	989.35	30.44	5.46	-26.17	-379.02	0.0
		0.0	-379.02	-0.10	0.0	55.5	989.35	-3.24	5.46	-26.17	-69.27	664.30
						110.9	989.35	-17.46	5.46	-26.17	240.48	0.0
15	31	676.07	-3.84	0.21	-47.90	0.0	-965.22	30.44	1.13	30.32	-116.00	0.0
		0.0	-116.00	0.12	0.0	55.5	-965.22	-3.24	1.13	30.32	-59.92	664.30
						110.9	-965.22	-17.46	1.13	30.32	-3.84	0.0
15	32	676.07	516.32	-0.24	-47.90	0.0	759.52	30.44	13.65	-21.28	-1011.60	0.0
		0.0	-1011.60	-0.09	0.0	55.5	759.52	-3.24	13.65	-21.28	-247.64	664.30
						110.9	759.52	-17.46	13.65	-21.28	516.32	0.0
15	33	676.07	533.40	0.26	-47.90	0.0	-734.08	30.44	-7.28	25.48	533.40	0.0
		0.0	-287.32	0.11	0.0	55.5	-734.08	-3.24	-7.28	25.48	123.04	664.30
						110.9	-734.08	-17.46	-7.28	25.48	-287.32	0.0
15	34	676.07	232.84	-0.18	-47.90	0.0	990.66	30.44	5.24	-26.13	-362.20	0.0
		0.0	-362.20	-0.10	0.0	55.5	990.66	-3.24	5.24	-26.13	-64.68	664.30
						110.9	990.66	-17.46	5.24	-26.13	232.84	0.0
15	35	676.07	25.93	0.20	-47.90	0.0	-1050.40	30.44	1.18	31.39	-84.80	0.0
		0.0	-84.80	0.11	0.0	55.5	-1050.40	-3.24	1.18	31.39	-29.43	664.30
						110.9	-1050.40	-17.46	1.18	31.39	25.93	0.0
15	36	676.07	471.28	-0.23	-47.90	0.0	847.32	30.44	13.16	-22.26	-1009.15	0.0
		0.0	-1009.15	-0.08	0.0	55.5	847.32	-3.24	13.16	-22.26	-268.93	664.30
						110.9	847.32	-17.46	13.16	-22.26	471.28	0.0
15	37	676.07	530.95	0.25	-47.90	0.0	-821.88	30.44	-6.78	26.45	530.95	0.0
		0.0	-242.28	0.10	0.0	55.5	-821.88	-3.24	-6.78	26.45	144.34	664.30
						110.9	-821.88	-17.46	-6.78	26.45	-242.28	0.0
15	38	676.07	203.07	-0.18	-47.90	0.0	1075.84	30.44	5.19	-27.20	-393.39	0.0
		0.0	-393.39	-0.09	0.0	55.5	1075.84	-3.24	5.19	-27.20	-95.16	664.30
						110.9	1075.84	-17.46	5.19	-27.20	203.07	0.0
15	39	676.07	33.57	0.20	-47.90	0.0	-1051.71	30.44	1.40	31.35	-101.62	0.0
		0.0	-101.62	0.11	0.0	55.5	-1051.71	-3.24	1.40	31.35	-34.03	664.30
						110.9	-1051.71	-17.46	1.40	31.35	33.57	0.0
15	40	676.07	478.91	-0.23	-47.90	0.0	846.01	30.44	13.38	-22.30	-1025.97	0.0
		0.0	-1025.97	-0.08	0.0	55.5	846.01	-3.24	13.38	-22.30	-273.53	664.30
						110.9	846.01	-17.46	13.38	-22.30	478.91	0.0
15	41	676.07	547.78	0.25	-47.90	0.0	-820.57	30.44	-7.00	26.50	547.78	0.0
		0.0	-249.91	0.10	0.0	55.5	-820.57	-3.24	-7.00	26.50	148.93	664.30
						110.9	-820.57	-17.46	-7.00	26.50	-249.91	0.0
15	42	676.07	195.44	-0.18	-47.90	0.0	1077.15	30.44	4.97	-27.15	-376.57	0.0
		0.0	-376.57	-0.09	0.0	55.5	1077.15	-3.24	4.97	-27.15	-90.57	664.30
						110.9	1077.15	-17.46	4.97	-27.15	195.44	0.0
15	43	676.07	404.91	-3.47e-03	-47.90	0.0	-493.70	30.44	12.17	14.74	-942.10	0.0
		0.0	-942.10	0.05	0.0	55.5	-493.70	-3.24	12.17	14.74	-268.60	664.30
						110.9	-493.70	-17.46	12.17	14.74	404.91	0.0
15	44	676.07	527.78	-0.11	-47.90	0.0	-83.94	30.44	15.12	2.47	-1152.88	0.0
		0.0	-1152.88	0.02	0.0	55.5	-83.94	-3.24	15.12	2.47	-312.55	664.30
						110.9	-83.94	-17.46	15.12	2.47	527.78	0.0
15	45	676.07	674.68	0.13	-47.90	0.0	109.38	30.44	-8.74	1.73	674.68	0.0
		0.0	-298.78	0.03	0.0	55.5	109.38	-3.24	-8.74	1.73	187.95	664.30
						110.9	109.38	-17.46	-8.74	1.73	-298.78	0.0
15	46	676.07	463.90	0.02	-47.90	0.0	519.14	30.44	-5.79	-10.54	463.90	0.0
		0.0	-175.90	-0.02	0.0	55.5	519.14	-3.24	-5.79	-10.54	144.00	664.30
						110.9	519.14	-17.46	-5.79	-10.54	-175.90	0.0
15	47	676.07	413.91	-4.62e-03	-47.90	0.0	-514.25	30.44	12.24	14.98	-938.75	0.0
		0.0	-938.75	0.04	0.0	55.5	-514.25	-3.24	12.24	14.98	-262.42	664.30
						110.9	-514.25	-17.46	12.24	14.98	413.91	0.0
15	48	676.07	518.78	-0.11	-47.90	0.0	-63.39	30.44	15.05	2.23	-1156.22	0.0
		0.0	-1156.22	0.02	0.0	55.5	-63.39	-3.24	15.05	2.23	-318.72	664.30
						110.9	-63.39	-17.46	15.05	2.23	518.78	0.0
15	49	676.07	678.02	0.13	-47.90	0.0	88.83	30.44	-8.68	1.97	678.02	0.0

		0.0	-289.77	0.03	0.0	55.5	88.83	-3.24	-8.68	1.97	194.13	664.30
						110.9	88.83	-17.46	-8.68	1.97	-289.77	0.0
15	50	676.07	460.56	0.02	-47.90	0.0	539.69	30.44	-5.86	-10.79	460.56	0.0
		0.0	-184.91	-0.02	0.0	55.5	539.69	-3.24	-5.86	-10.79	137.83	664.30
						110.9	539.69	-17.46	-5.86	-10.79	-184.91	0.0
15	51	676.07	425.01	-7.00e-03	-47.90	0.0	-497.12	30.44	12.75	14.61	-986.40	0.0
		0.0	-986.40	0.05	0.0	55.5	-497.12	-3.24	12.75	14.61	-280.70	664.30
						110.9	-497.12	-17.46	12.75	14.61	425.01	0.0
15	52	676.07	547.89	-0.11	-47.90	0.0	-87.35	30.44	15.70	2.34	-1197.18	0.0
		0.0	-1197.18	0.02	0.0	55.5	-87.35	-3.24	15.70	2.34	-324.65	664.30
						110.9	-87.35	-17.46	15.70	2.34	547.89	0.0
15	53	676.07	718.99	0.13	-47.90	0.0	112.79	30.44	-9.33	1.85	718.99	0.0
		0.0	-318.88	0.03	0.0	55.5	112.79	-3.24	-9.33	1.85	200.05	664.30
						110.9	112.79	-17.46	-9.33	1.85	-318.88	0.0
15	54	676.07	508.21	0.03	-47.90	0.0	522.56	30.44	-6.38	-10.42	508.21	0.0
		0.0	-196.00	-0.02	0.0	55.5	522.56	-3.24	-6.38	-10.42	156.10	664.30
						110.9	522.56	-17.46	-6.38	-10.42	-196.00	0.0
15	55	676.07	434.01	-8.85e-03	-47.90	0.0	-517.67	30.44	12.82	14.86	-983.06	0.0
		0.0	-983.06	0.04	0.0	55.5	-517.67	-3.24	12.82	14.86	-274.52	664.30
						110.9	-517.67	-17.46	12.82	14.86	434.01	0.0
15	56	676.07	538.88	-0.11	-47.90	0.0	-66.81	30.44	15.63	2.10	-1200.52	0.0
		0.0	-1200.52	0.02	0.0	55.5	-66.81	-3.24	15.63	2.10	-330.82	664.30
						110.9	-66.81	-17.46	15.63	2.10	538.88	0.0
15	57	676.07	722.33	0.13	-47.90	0.0	92.24	30.44	-9.26	2.10	722.33	0.0
		0.0	-309.87	0.03	0.0	55.5	92.24	-3.24	-9.26	2.10	206.23	664.30
						110.9	92.24	-17.46	-9.26	2.10	-309.87	0.0
15	58	676.07	504.87	0.03	-47.90	0.0	543.10	30.44	-6.44	-10.66	504.87	0.0
		0.0	-205.01	-0.02	0.0	55.5	543.10	-3.24	-6.44	-10.66	149.93	664.30
						110.9	543.10	-17.46	-6.44	-10.66	-205.01	0.0
15	59	676.07	15.26	0.17	-47.90	0.0	-760.68	30.44	1.41	24.50	-130.32	0.0
		0.0	-130.32	0.10	0.0	55.5	-760.68	-3.24	1.41	24.50	-57.53	664.30
						110.9	-760.68	-17.46	1.41	24.50	15.26	0.0
15	60	676.07	424.85	-0.18	-47.90	0.0	605.20	30.44	11.24	-16.40	-832.91	0.0
		0.0	-832.91	-0.07	0.0	55.5	605.20	-3.24	11.24	-16.40	-204.03	664.30
						110.9	605.20	-17.46	11.24	-16.40	424.85	0.0
15	61	676.07	354.72	0.21	-47.90	0.0	-579.76	30.44	-4.87	20.59	354.72	0.0
		0.0	-195.84	0.09	0.0	55.5	-579.76	-3.24	-4.87	20.59	79.44	664.30
						110.9	-579.76	-17.46	-4.87	20.59	-195.84	0.0
15	62	676.07	213.74	-0.15	-47.90	0.0	786.12	30.44	4.97	-20.30	-347.88	0.0
		0.0	-347.88	-0.07	0.0	55.5	786.12	-3.24	4.97	-20.30	-67.07	664.30
						110.9	786.12	-17.46	4.97	-20.30	213.74	0.0
15	63	676.07	21.29	0.16	-47.90	0.0	-761.71	30.44	1.58	24.46	-143.61	0.0
		0.0	-143.61	0.10	0.0	55.5	-761.71	-3.24	1.58	24.46	-61.16	664.30
						110.9	-761.71	-17.46	1.58	24.46	21.29	0.0
15	64	676.07	430.88	-0.19	-47.90	0.0	604.17	30.44	11.42	-16.44	-846.20	0.0
		0.0	-846.20	-0.07	0.0	55.5	604.17	-3.24	11.42	-16.44	-207.66	664.30
						110.9	604.17	-17.46	11.42	-16.44	430.88	0.0
15	65	676.07	368.01	0.21	-47.90	0.0	-578.74	30.44	-5.04	20.63	368.01	0.0
		0.0	-201.88	0.09	0.0	55.5	-578.74	-3.24	-5.04	20.63	83.07	664.30
						110.9	-578.74	-17.46	-5.04	20.63	-201.88	0.0
15	66	676.07	207.71	-0.14	-47.90	0.0	787.15	30.44	4.79	-20.26	-334.59	0.0
		0.0	-334.59	-0.07	0.0	55.5	787.15	-3.24	4.79	-20.26	-63.44	664.30
						110.9	787.15	-17.46	4.79	-20.26	207.71	0.0
15	67	676.07	45.28	0.16	-47.90	0.0	-829.18	30.44	1.63	25.31	-119.18	0.0
		0.0	-119.18	0.09	0.0	55.5	-829.18	-3.24	1.63	25.31	-36.95	664.30
						110.9	-829.18	-17.46	1.63	25.31	45.28	0.0
15	68	676.07	394.83	-0.18	-47.90	0.0	673.69	30.44	11.02	-17.21	-844.05	0.0
		0.0	-844.05	-0.06	0.0	55.5	673.69	-3.24	11.02	-17.21	-224.61	664.30
						110.9	673.69	-17.46	11.02	-17.21	394.83	0.0
15	69	676.07	365.86	0.20	-47.90	0.0	-648.25	30.44	-4.64	21.40	365.86	0.0
		0.0	-165.82	0.09	0.0	55.5	-648.25	-3.24	-4.64	21.40	100.02	664.30
						110.9	-648.25	-17.46	-4.64	21.40	-165.82	0.0
15	70	676.07	183.72	-0.14	-47.90	0.0	854.61	30.44	4.74	-21.11	-359.02	0.0
		0.0	-359.02	-0.07	0.0	55.5	854.61	-3.24	4.74	-21.11	-87.65	664.30
						110.9	854.61	-17.46	4.74	-21.11	183.72	0.0
15	71	676.07	51.31	0.16	-47.90	0.0	-830.20	30.44	1.80	25.27	-132.47	0.0
		0.0	-132.47	0.09	0.0	55.5	-830.20	-3.24	1.80	25.27	-40.58	664.30
						110.9	-830.20	-17.46	1.80	25.27	51.31	0.0
15	72	676.07	400.86	-0.18	-47.90	0.0	672.67	30.44	11.19	-17.25	-857.34	0.0
		0.0	-857.34	-0.06	0.0	55.5	672.67	-3.24	11.19	-17.25	-228.24	664.30
						110.9	672.67	-17.46	11.19	-17.25	400.86	0.0
15	73	676.07	379.15	0.20	-47.90	0.0	-647.23	30.44	-4.82	21.44	379.15	0.0

		0.0	-171.85	0.09	0.0	55.5	-647.23	-3.24	-4.82	21.44	103.65	664.30
						110.9	-647.23	-17.46	-4.82	21.44	-171.85	0.0
15	74	676.07	177.69	-0.14	-47.90	0.0	855.64	30.44	4.57	-21.07	-345.73	0.0
		0.0	-345.73	-0.07	0.0	55.5	855.64	-3.24	4.57	-21.07	-84.02	664.30
						110.9	855.64	-17.46	4.57	-21.07	177.69	0.0
15	75	676.07	354.80	-2.32e-03	-47.90	0.0	-405.85	30.44	10.62	12.55	-820.66	0.0
		0.0	-820.66	0.04	0.0	55.5	-405.85	-3.24	10.62	12.55	-232.93	664.30
						110.9	-405.85	-17.46	10.62	12.55	354.80	0.0
15	76	676.07	456.42	-0.09	-47.90	0.0	-67.19	30.44	13.06	2.41	-995.03	0.0
		0.0	-995.03	0.01	0.0	55.5	-67.19	-3.24	13.06	2.41	-269.31	664.30
						110.9	-67.19	-17.46	13.06	2.41	456.42	0.0
15	77	676.07	516.84	0.11	-47.90	0.0	92.63	30.44	-6.68	1.79	516.84	0.0
		0.0	-227.41	0.02	0.0	55.5	92.63	-3.24	-6.68	1.79	144.71	664.30
						110.9	92.63	-17.46	-6.68	1.79	-227.41	0.0
15	78	676.07	342.47	0.02	-47.90	0.0	431.28	30.44	-4.24	-8.35	342.47	0.0
		0.0	-125.80	-0.02	0.0	55.5	431.28	-3.24	-4.24	-8.35	108.33	664.30
						110.9	431.28	-17.46	-4.24	-8.35	-125.80	0.0
15	79	676.07	362.23	-3.11e-03	-47.90	0.0	-422.83	30.44	10.67	12.75	-817.89	0.0
		0.0	-817.89	0.04	0.0	55.5	-422.83	-3.24	10.67	12.75	-227.83	664.30
						110.9	-422.83	-17.46	10.67	12.75	362.23	0.0
15	80	676.07	448.98	-0.09	-47.90	0.0	-50.21	30.44	13.00	2.21	-997.80	0.0
		0.0	-997.80	0.01	0.0	55.5	-50.21	-3.24	13.00	2.21	-274.41	664.30
						110.9	-50.21	-17.46	13.00	2.21	448.98	0.0
15	81	676.07	519.61	0.11	-47.90	0.0	75.65	30.44	-6.63	1.99	519.61	0.0
		0.0	-219.98	0.02	0.0	55.5	75.65	-3.24	-6.63	1.99	149.81	664.30
						110.9	75.65	-17.46	-6.63	1.99	-219.98	0.0
15	82	676.07	339.69	0.02	-47.90	0.0	448.26	30.44	-4.30	-8.55	339.69	0.0
		0.0	-133.23	-0.01	0.0	55.5	448.26	-3.24	-4.30	-8.55	103.23	664.30
						110.9	448.26	-17.46	-4.30	-8.55	-133.23	0.0
15	83	676.07	371.39	-4.65e-03	-47.90	0.0	-408.66	30.44	11.10	12.44	-857.21	0.0
		0.0	-857.21	0.04	0.0	55.5	-408.66	-3.24	11.10	12.44	-242.91	664.30
						110.9	-408.66	-17.46	11.10	12.44	371.39	0.0
15	84	676.07	473.00	-0.09	-47.90	0.0	-70.01	30.44	13.54	2.31	-1031.58	0.0
		0.0	-1031.58	0.01	0.0	55.5	-70.01	-3.24	13.54	2.31	-279.29	664.30
						110.9	-70.01	-17.46	13.54	2.31	473.00	0.0
15	85	676.07	553.39	0.11	-47.90	0.0	95.44	30.44	-7.16	1.89	553.39	0.0
		0.0	-244.00	0.02	0.0	55.5	95.44	-3.24	-7.16	1.89	154.70	664.30
						110.9	95.44	-17.46	-7.16	1.89	-244.00	0.0
15	86	676.07	379.02	0.02	-47.90	0.0	434.10	30.44	-4.72	-8.25	379.02	0.0
		0.0	-142.38	-0.02	0.0	55.5	434.10	-3.24	-4.72	-8.25	118.32	664.30
						110.9	434.10	-17.46	-4.72	-8.25	-142.38	0.0
15	87	676.07	378.82	-5.75e-03	-47.90	0.0	-425.64	30.44	11.15	12.64	-854.44	0.0
		0.0	-854.44	0.04	0.0	55.5	-425.64	-3.24	11.15	12.64	-237.81	664.30
						110.9	-425.64	-17.46	11.15	12.64	378.82	0.0
15	88	676.07	465.57	-0.09	-47.90	0.0	-53.03	30.44	13.48	2.10	-1034.36	0.0
		0.0	-1034.36	0.02	0.0	55.5	-53.03	-3.24	13.48	2.10	-284.39	664.30
						110.9	-53.03	-17.46	13.48	2.10	465.57	0.0
15	89	676.07	556.16	0.11	-47.90	0.0	78.46	30.44	-7.11	2.09	556.16	0.0
		0.0	-236.56	0.02	0.0	55.5	78.46	-3.24	-7.11	2.09	159.80	664.30
						110.9	78.46	-17.46	-7.11	2.09	-236.56	0.0
15	90	676.07	376.25	0.03	-47.90	0.0	451.08	30.44	-4.78	-8.45	376.25	0.0
		0.0	-149.81	-0.02	0.0	55.5	451.08	-3.24	-4.78	-8.45	113.22	664.30
						110.9	451.08	-17.46	-4.78	-8.45	-149.81	0.0
15	91	676.07	32.48	0.14	-47.90	0.0	-626.47	30.44	1.72	20.61	-149.11	0.0
		0.0	-149.11	0.08	0.0	55.5	-626.47	-3.24	1.72	20.61	-58.31	664.30
						110.9	-626.47	-17.46	1.72	20.61	32.48	0.0
15	92	676.07	371.19	-0.15	-47.90	0.0	502.37	30.44	9.85	-13.19	-730.34	0.0
		0.0	-730.34	-0.05	0.0	55.5	502.37	-3.24	9.85	-13.19	-179.57	664.30
						110.9	502.37	-17.46	9.85	-13.19	371.19	0.0
15	93	676.07	252.14	0.17	-47.90	0.0	-476.93	30.44	-3.48	17.38	252.14	0.0
		0.0	-142.19	0.08	0.0	55.5	-476.93	-3.24	-3.48	17.38	54.98	664.30
						110.9	-476.93	-17.46	-3.48	17.38	-142.19	0.0
15	94	676.07	196.53	-0.12	-47.90	0.0	651.91	30.44	4.66	-16.41	-329.09	0.0
		0.0	-329.09	-0.06	0.0	55.5	651.91	-3.24	4.66	-16.41	-66.28	664.30
						110.9	651.91	-17.46	4.66	-16.41	196.53	0.0
15	95	676.07	37.45	0.14	-47.90	0.0	-627.32	30.44	1.86	20.58	-160.07	0.0
		0.0	-160.07	0.08	0.0	55.5	-627.32	-3.24	1.86	20.58	-61.31	664.30
						110.9	-627.32	-17.46	1.86	20.58	37.45	0.0
15	96	676.07	376.17	-0.15	-47.90	0.0	501.52	30.44	9.99	-13.22	-741.31	0.0
		0.0	-741.31	-0.05	0.0	55.5	501.52	-3.24	9.99	-13.22	-182.57	664.30
						110.9	501.52	-17.46	9.99	-13.22	376.17	0.0
15	97	676.07	263.11	0.17	-47.90	0.0	-476.09	30.44	-3.62	17.41	263.11	0.0

		0.0	-147.16	0.08	0.0	55.5	-476.09	-3.24	-3.62	17.41	57.97	664.30
						110.9	-476.09	-17.46	-3.62	17.41	-147.16	0.0
15	98	676.07	191.55	-0.12	-47.90	0.0	652.76	30.44	4.52	-16.38	-318.12	0.0
		0.0	-318.12	-0.06	0.0	55.5	652.76	-3.24	4.52	-16.38	-63.29	664.30
						110.9	652.76	-17.46	4.52	-16.38	191.55	0.0
15	99	676.07	57.25	0.13	-47.90	0.0	-683.08	30.44	1.90	21.28	-139.87	0.0
		0.0	-139.87	0.08	0.0	55.5	-683.08	-3.24	1.90	21.28	-41.31	664.30
						110.9	-683.08	-17.46	1.90	21.28	57.25	0.0
15	100	676.07	346.42	-0.15	-47.90	0.0	558.97	30.44	9.67	-13.86	-739.58	0.0
		0.0	-739.58	-0.05	0.0	55.5	558.97	-3.24	9.67	-13.86	-196.58	664.30
						110.9	558.97	-17.46	9.67	-13.86	346.42	0.0
15	101	676.07	261.38	0.17	-47.90	0.0	-533.54	30.44	-3.29	18.05	261.38	0.0
		0.0	-117.41	0.07	0.0	55.5	-533.54	-3.24	-3.29	18.05	71.98	664.30
						110.9	-533.54	-17.46	-3.29	18.05	-117.41	0.0
15	102	676.07	171.75	-0.11	-47.90	0.0	708.52	30.44	4.48	-17.08	-338.33	0.0
		0.0	-338.33	-0.05	0.0	55.5	708.52	-3.24	4.48	-17.08	-83.29	664.30
						110.9	708.52	-17.46	4.48	-17.08	171.75	0.0
15	103	676.07	62.22	0.13	-47.90	0.0	-683.92	30.44	2.04	21.25	-150.83	0.0
		0.0	-150.83	0.08	0.0	55.5	-683.92	-3.24	2.04	21.25	-44.30	664.30
						110.9	-683.92	-17.46	2.04	21.25	62.22	0.0
15	104	676.07	351.39	-0.15	-47.90	0.0	558.13	30.44	9.81	-13.89	-750.55	0.0
		0.0	-750.55	-0.05	0.0	55.5	558.13	-3.24	9.81	-13.89	-199.58	664.30
						110.9	558.13	-17.46	9.81	-13.89	351.39	0.0
15	105	676.07	272.35	0.17	-47.90	0.0	-532.69	30.44	-3.44	18.08	272.35	0.0
		0.0	-122.39	0.07	0.0	55.5	-532.69	-3.24	-3.44	18.08	74.98	664.30
						110.9	-532.69	-17.46	-3.44	18.08	-122.39	0.0
15	106	676.07	166.78	-0.11	-47.90	0.0	709.36	30.44	4.33	-17.05	-327.36	0.0
		0.0	-327.36	-0.05	0.0	55.5	709.36	-3.24	4.33	-17.05	-80.29	664.30
						110.9	709.36	-17.46	4.33	-17.05	166.78	0.0
16	1	122.86	0.67	6.25e-03	-8.54	0.0	1.72	-1.41	-0.07	0.07	0.67	122.86
		-166.59	-2.70	8.49e-04	0.0	25.5	1.72	-5.68	-0.07	0.07	-1.01	32.55
						51.0	1.72	-9.94	-0.07	0.07	-2.70	-
166.59												
16	2	146.49	2.80	0.03	-8.54	0.0	9.07	-32.78	-0.37	0.98	2.80	146.49
		-1742.85	-16.18	2.89e-03	0.0	25.5	9.07	-37.05	-0.37	0.98	-6.69	-
743.77												
						51.0	9.07	-41.31	-0.37	0.98	-16.18	-
1742.85												
16	3	94.06	0.48	4.28e-03	-6.57	0.0	1.18	-0.49	-0.05	0.04	0.48	94.06
		-98.40	-1.82	6.14e-04	0.0	25.5	1.18	-3.77	-0.05	0.04	-0.67	39.69
						51.0	1.18	-7.06	-0.05	0.04	-1.82	-98.40
16	4	117.69	2.60	0.03	-6.57	0.0	8.54	-31.86	-0.35	0.94	2.60	117.69
		-1674.66	-15.30	2.65e-03	0.0	25.5	8.54	-35.14	-0.35	0.94	-6.35	-
736.63												
						51.0	8.54	-38.43	-0.35	0.94	-15.30	-
1674.66												
16	5	94.32	0.50	4.58e-03	-6.57	0.0	1.26	-0.83	-0.05	0.05	0.50	94.32
		-115.21	-1.97	6.36e-04	0.0	25.5	1.26	-4.11	-0.05	0.05	-0.73	31.41
						51.0	1.26	-7.39	-0.05	0.05	-1.97	-
115.21												
16	6	110.07	1.92	0.02	-6.57	0.0	6.16	-21.74	-0.25	0.65	1.92	110.07
		-1166.05	-10.95	2.00e-03	0.0	25.5	6.16	-25.02	-0.25	0.65	-4.52	-
486.14												
						51.0	6.16	-28.30	-0.25	0.65	-10.95	-
1166.05												
16	7	94.32	0.50	4.58e-03	-6.57	0.0	1.26	-0.83	-0.05	0.05	0.50	94.32
		-115.21	-1.97	6.36e-04	0.0	25.5	1.26	-4.11	-0.05	0.05	-0.73	31.41
						51.0	1.26	-7.39	-0.05	0.05	-1.97	-
115.21												
16	8	105.34	1.49	0.02	-6.57	0.0	4.69	-15.47	-0.19	0.47	1.49	105.34
		-850.80	-8.26	1.59e-03	0.0	25.5	4.69	-18.75	-0.19	0.47	-3.38	-
330.87												
						51.0	4.69	-22.03	-0.19	0.47	-8.26	-
850.80												
16	9	94.32	0.50	4.58e-03	-6.57	0.0	1.26	-0.83	-0.05	0.05	0.50	94.32
		-115.21	-1.97	6.36e-04	0.0	25.5	1.26	-4.11	-0.05	0.05	-0.73	31.41
						51.0	1.26	-7.39	-0.05	0.05	-1.97	-
115.21												
16	10	103.77	1.35	0.02	-6.57	0.0	4.20	-13.37	-0.17	0.41	1.35	103.77
		-745.72	-7.36	1.45e-03	0.0	25.5	4.20	-16.66	-0.17	0.41	-3.00	-
279.12												
						51.0	4.20	-19.94	-0.17	0.41	-7.36	-

745.72												
16	11	180.73	20.53	-4.78e-03	-6.57	0.0	33.55	-284.55	-1.28	-5.25	20.53	180.73
		-1.455e+04	-47.46	-1.17e-03	0.0	25.5	33.55	-287.84	-1.28	-5.25	-13.47	-
7141.01												
						51.0	33.55	-291.12	-1.28	-5.25	-47.46	-
1.455e+04												
16	12	94.31	13.44	-0.02	-6.57	0.0	17.21	-350.35	-0.96	-0.49	13.44	94.31
		-1.790e+04	-37.30	-0.01	0.0	25.5	17.21	-353.63	-0.96	-0.49	-11.93	-
8862.59												
						51.0	17.21	-356.92	-0.96	-0.49	-37.30	-
1.790e+04												
16	13	1.641e+04	22.58	0.05	-6.57	0.0	-8.81	323.60	0.62	1.31	-10.74	113.22
		113.22	-10.74	0.01	0.0	25.5	-8.81	320.32	0.62	1.31	5.92	
8304.35												
						51.0	-8.81	317.04	0.62	1.31	22.58	
1.641e+04												
16	14	1.306e+04	32.74	0.04	-6.57	0.0	-25.14	257.81	0.94	6.07	-17.82	26.80
		26.80	-17.82	4.07e-03	0.0	25.5	-25.14	254.52	0.94	6.07	7.46	
6582.77												
						51.0	-25.14	251.24	0.94	6.07	32.74	
1.306e+04												
16	15	181.82	21.68	9.57e-03	-6.57	0.0	32.61	-279.26	-1.32	-5.30	21.68	181.82
		-1.429e+04	-48.40	-1.32e-03	0.0	25.5	32.61	-282.54	-1.32	-5.30	-13.36	-
7010.30												
						51.0	32.61	-285.83	-1.32	-5.30	-48.40	-
1.429e+04												
16	16	93.22	12.28	-0.03	-6.57	0.0	18.16	-355.65	-0.92	-0.44	12.28	93.22
		-1.816e+04	-36.36	-0.01	0.0	25.5	18.16	-358.93	-0.92	-0.44	-12.04	-
8993.30												
						51.0	18.16	-362.21	-0.92	-0.44	-36.36	-
1.816e+04												
16	17	1.667e+04	21.64	0.07	-6.57	0.0	-9.75	328.90	0.57	1.26	-9.58	114.31
		114.31	-9.58	0.01	0.0	25.5	-9.75	325.62	0.57	1.26	6.03	
8435.06												
						51.0	-9.75	322.33	0.57	1.26	21.64	
1.667e+04												
16	18	1.279e+04	33.68	0.02	-6.57	0.0	-24.20	252.51	0.98	6.12	-18.98	25.71
		25.71	-18.98	4.22e-03	0.0	25.5	-24.20	249.23	0.98	6.12	7.35	
6452.06												
						51.0	-24.20	245.95	0.98	6.12	33.68	
1.279e+04												
16	19	178.85	16.44	-6.17e-03	-6.57	0.0	32.20	-283.86	-1.16	-4.99	16.44	178.85
		-1.451e+04	-45.78	-1.23e-03	0.0	25.5	32.20	-287.14	-1.16	-4.99	-14.67	-
7124.42												
						51.0	32.20	-290.43	-1.16	-4.99	-45.78	-
1.451e+04												
16	20	92.44	9.35	-0.02	-6.57	0.0	15.87	-349.66	-0.84	-0.23	9.35	92.44
		-1.787e+04	-35.61	-0.01	0.0	25.5	15.87	-352.94	-0.84	-0.23	-13.13	-
8846.00												
						51.0	15.87	-356.22	-0.84	-0.23	-35.61	-
1.787e+04												
16	21	1.638e+04	20.90	0.05	-6.57	0.0	-7.46	322.91	0.50	1.05	-6.65	115.09
		115.09	-6.65	0.01	0.0	25.5	-7.46	319.63	0.50	1.05	7.12	
8287.76												
						51.0	-7.46	316.34	0.50	1.05	20.90	
1.638e+04												
16	22	1.302e+04	31.06	0.04	-6.57	0.0	-23.80	257.11	0.82	5.81	-13.74	28.68
		28.68	-13.74	4.13e-03	0.0	25.5	-23.80	253.83	0.82	5.81	8.66	
6566.19												
						51.0	-23.80	250.55	0.82	5.81	31.06	
1.302e+04												
16	23	179.95	17.60	8.26e-03	-6.57	0.0	31.26	-278.56	-1.20	-5.04	17.60	179.95
		-1.425e+04	-46.72	-1.38e-03	0.0	25.5	31.26	-281.85	-1.20	-5.04	-14.56	-
6993.71												
						51.0	31.26	-285.13	-1.20	-5.04	-46.72	-
1.425e+04												
16	24	91.35	8.19	-0.04	-6.57	0.0	16.81	-354.95	-0.80	-0.18	8.19	91.35
		-1.813e+04	-34.68	-0.01	0.0	25.5	16.81	-358.23	-0.80	-0.18	-13.24	-
8976.71												
						51.0	16.81	-361.52	-0.80	-0.18	-34.68	-
1.813e+04												
16	25	1.664e+04	19.96	0.07	-6.57	0.0	-8.40	328.20	0.46	1.00	-5.49	116.19

		116.19	-5.49	0.01	0.0	25.5	-8.40	324.92	0.46	1.00	7.24	
8418.47												
						51.0	-8.40	321.64	0.46	1.00	19.96	
1.664e+04												
16	26	1.276e+04	32.00	0.02	-6.57	0.0	-22.86	251.82	0.86	5.86	-14.90	27.58
		27.58	-14.90	4.29e-03	0.0	25.5	-22.86	248.53	0.86	5.86	8.55	
6435.47												
						51.0	-22.86	245.25	0.86	5.86	32.00	
1.276e+04												
16	27	277.38	17.85	0.03	-6.57	0.0	37.78	5.06	-0.99	-8.51	17.85	257.92
		205.10	-34.80	0.01	0.0	25.5	37.78	1.78	-0.99	-8.51	-8.47	273.37
						51.0	37.78	-1.50	-0.99	-8.51	-34.80	205.10
16	28	-30.13	-0.93	-0.02	-6.57	0.0	-16.67	-214.26	0.08	7.36	-5.77	-30.13
		-1.098e+04	-5.77	-0.02	0.0	25.5	-16.67	-217.54	0.08	7.36	-3.35	-
5465.21												
						51.0	-16.67	-220.82	0.08	7.36	-0.93	-
1.098e+04												
16	29	9492.57	8.47	0.05	-6.57	0.0	25.07	187.51	-0.42	-6.55	8.47	237.66
		237.66	-13.79	0.02	0.0	25.5	25.07	184.23	-0.42	-6.55	-2.66	
4906.97												
						51.0	25.07	180.95	-0.42	-6.55	-13.79	
9492.57												
16	30	-50.39	20.09	-1.89e-03	-6.57	0.0	-29.38	-31.81	0.64	9.33	-15.15	-50.39
		-1696.54	-15.15	-0.01	0.0	25.5	-29.38	-35.09	0.64	9.33	2.47	-
831.61												
						51.0	-29.38	-38.38	0.64	9.33	20.09	-
1696.54												
16	31	280.94	16.63	0.03	-6.57	0.0	37.38	5.27	-0.95	-8.44	16.63	257.35
		215.62	-34.30	0.01	0.0	25.5	37.38	1.99	-0.95	-8.44	-8.83	278.34
						51.0	37.38	-1.29	-0.95	-8.44	-34.30	215.62
16	32	-30.70	-0.42	-0.02	-6.57	0.0	-17.07	-214.05	0.11	7.44	-7.00	-30.70
		-1.097e+04	-7.00	-0.02	0.0	25.5	-17.07	-217.33	0.11	7.44	-3.71	-
5460.24												
						51.0	-17.07	-220.62	0.11	7.44	-0.42	-
1.097e+04												
16	33	9482.05	9.70	0.05	-6.57	0.0	25.48	187.30	-0.45	-6.62	9.70	238.23
		238.23	-14.29	0.02	0.0	25.5	25.48	184.02	-0.45	-6.62	-2.30	
4902.00												
						51.0	25.48	180.74	-0.45	-6.62	-14.29	
9482.05												
16	34	-49.82	19.58	-1.47e-03	-6.57	0.0	-28.97	-32.02	0.61	9.25	-13.93	-49.82
		-1707.05	-13.93	-0.01	0.0	25.5	-28.97	-35.30	0.61	9.25	2.83	-
836.58												
						51.0	-28.97	-38.59	0.61	9.25	19.58	-
1707.05												
16	35	1072.89	21.72	0.08	-6.57	0.0	34.64	22.71	-1.13	-8.69	21.72	261.56
		261.56	-37.93	0.01	0.0	25.5	34.64	19.43	-1.13	-8.69	-8.11	709.08
						51.0	34.64	16.15	-1.13	-8.69	-37.93	
1072.89												
16	36	-33.78	2.20	-0.07	-6.57	0.0	-13.53	-231.91	0.22	7.54	-9.64	-33.78
		-1.185e+04	-9.64	-0.02	0.0	25.5	-13.53	-235.19	0.22	7.54	-3.72	-
5900.93												
						51.0	-13.53	-238.48	0.22	7.54	2.20	-
1.185e+04												
16	37	1.036e+04	12.34	0.10	-6.57	0.0	21.94	205.16	-0.56	-6.72	12.34	241.31
		241.31	-16.92	0.02	0.0	25.5	21.94	201.88	-0.56	-6.72	-2.29	
5342.69												
						51.0	21.94	198.60	-0.56	-6.72	-16.92	
1.036e+04												
16	38	-54.03	23.22	-0.05	-6.57	0.0	-26.24	-49.46	0.78	9.50	-19.02	-54.03
		-2564.32	-19.02	-0.01	0.0	25.5	-26.24	-52.74	0.78	9.50	2.10	-
1267.32												
						51.0	-26.24	-56.03	0.78	9.50	23.22	-
2564.32												
16	39	1083.40	20.49	0.08	-6.57	0.0	34.24	22.92	-1.09	-8.61	20.49	261.00
		261.00	-37.43	0.01	0.0	25.5	34.24	19.64	-1.09	-8.61	-8.47	714.06
						51.0	34.24	16.36	-1.09	-8.61	-37.43	
1083.40												
16	40	-34.34	2.71	-0.07	-6.57	0.0	-13.93	-231.70	0.25	7.61	-10.87	-34.34
		-1.184e+04	-10.87	-0.02	0.0	25.5	-13.93	-234.98	0.25	7.61	-4.08	-
5895.95												
						51.0	-13.93	-238.27	0.25	7.61	2.71	-

1.184e+04													
16	41	1.035e+04	13.57	0.10	-6.57	0.0	22.34	204.95	-0.59	-6.80	13.57	241.87	
		241.87	-17.42	0.02	0.0	25.5	22.34	201.67	-0.59	-6.80	-1.93		
5337.71													
						51.0	22.34	198.39	-0.59	-6.80	-17.42		
1.035e+04													
16	42	-53.47	22.71	-0.05	-6.57	0.0	-25.83	-49.67	0.75	9.43	-17.79	-53.47	
		-2574.84	-17.79	-0.01	0.0	25.5	-25.83	-52.95	0.75	9.43	2.46	-	
1272.30													
						51.0	-25.83	-56.24	0.75	9.43	22.71	-	
2574.84													
16	43	164.16	15.96	1.35e-03	-6.57	0.0	27.26	-228.07	-1.03	-4.06	15.96	164.16	
		-1.167e+04	-38.78	-6.04e-04	0.0	25.5	27.26	-231.35	-1.03	-4.06	-11.41	-	
5712.01													
						51.0	27.26	-234.64	-1.03	-4.06	-38.78	-	
1.167e+04													
16	44	95.71	10.71	-0.01	-6.57	0.0	14.36	-279.84	-0.79	-0.29	10.71	95.71	
		-1.431e+04	-31.10	-8.08e-03	0.0	25.5	14.36	-283.12	-0.79	-0.29	-10.20	-	
7066.74													
						51.0	14.36	-286.40	-0.79	-0.29	-31.10	-	
1.431e+04													
16	45	1.282e+04	16.39	0.04	-6.57	0.0	-5.95	253.09	0.45	1.11	-8.00	111.82	
		111.82	-8.00	0.01	0.0	25.5	-5.95	249.81	0.45	1.11	4.19		
6508.50													
						51.0	-5.95	246.52	0.45	1.11	16.39		
1.282e+04													
16	46	1.018e+04	24.07	0.03	-6.57	0.0	-18.85	201.32	0.69	4.88	-13.26	43.37	
		43.37	-13.26	3.51e-03	0.0	25.5	-18.85	198.04	0.69	4.88	5.40		
5153.77													
						51.0	-18.85	194.76	0.69	4.88	24.07		
1.018e+04													
16	47	165.02	16.79	0.01	-6.57	0.0	26.50	-223.87	-1.06	-4.10	16.79	165.02	
		-1.147e+04	-39.48	-7.28e-04	0.0	25.5	26.50	-227.15	-1.06	-4.10	-11.35	-	
5608.28													
						51.0	26.50	-230.43	-1.06	-4.10	-39.48	-	
1.147e+04													
16	48	94.85	9.88	-0.02	-6.57	0.0	15.11	-284.04	-0.76	-0.25	9.88	94.85	
		-1.452e+04	-30.40	-7.96e-03	0.0	25.5	15.11	-287.32	-0.76	-0.25	-10.26	-	
7170.48													
						51.0	15.11	-290.61	-0.76	-0.25	-30.40	-	
1.452e+04													
16	49	1.303e+04	15.69	0.06	-6.57	0.0	-6.71	257.29	0.42	1.07	-7.18	112.68	
		112.68	-7.18	0.01	0.0	25.5	-6.71	254.01	0.42	1.07	4.25		
6612.24													
						51.0	-6.71	250.73	0.42	1.07	15.69		
1.303e+04													
16	50	9973.85	24.76	0.02	-6.57	0.0	-18.10	197.12	0.72	4.92	-14.08	42.51	
		42.51	-14.08	3.63e-03	0.0	25.5	-18.10	193.84	0.72	4.92	5.34		
5050.04													
						51.0	-18.10	190.55	0.72	4.92	24.76		
9973.85													
16	51	162.71	12.76	-1.66e-03	-6.57	0.0	26.16	-227.41	-0.94	-3.85	12.76	162.71	
		-1.164e+04	-37.47	-6.58e-04	0.0	25.5	26.16	-230.69	-0.94	-3.85	-12.35	-	
5696.04													
						51.0	26.16	-233.97	-0.94	-3.85	-37.47	-	
1.164e+04													
16	52	94.26	7.51	-0.01	-6.57	0.0	13.26	-279.18	-0.70	-0.08	7.51	94.26	
		-1.428e+04	-29.78	-8.13e-03	0.0	25.5	13.26	-282.46	-0.70	-0.08	-11.14	-	
7050.76													
						51.0	13.26	-285.74	-0.70	-0.08	-29.78	-	
1.428e+04													
16	53	1.279e+04	15.07	0.05	-6.57	0.0	-4.85	252.43	0.36	0.90	-4.81	113.27	
		113.27	-4.81	0.01	0.0	25.5	-4.85	249.15	0.36	0.90	5.13		
6492.52													
						51.0	-4.85	245.86	0.36	0.90	15.07		
1.279e+04													
16	54	1.015e+04	22.75	0.03	-6.57	0.0	-17.75	200.66	0.60	4.67	-10.06	44.82	
		44.82	-10.06	3.56e-03	0.0	25.5	-17.75	197.38	0.60	4.67	6.34		
5137.80													
						51.0	-17.75	194.09	0.60	4.67	22.75		
1.015e+04													
16	55	163.57	13.59	9.62e-03	-6.57	0.0	25.40	-223.20	-0.97	-3.89	13.59	163.57	

		-1.143e+04	-38.16	-7.82e-04	0.0	25.5	25.40	-226.49	-0.97	-3.89	-12.29	-
5592.30												
						51.0	25.40	-229.77	-0.97	-3.89	-38.16	-
1.143e+04												
16	56	93.40	6.68	-0.03	-6.57	0.0	14.01	-283.38	-0.67	-0.04	6.68	93.40
		-1.449e+04	-29.09	-8.01e-03	0.0	25.5	14.01	-286.66	-0.67	-0.04	-11.20	-
7154.50												
						51.0	14.01	-289.94	-0.67	-0.04	-29.09	-
1.449e+04												
16	57	1.299e+04	14.37	0.06	-6.57	0.0	-5.61	256.63	0.33	0.86	-3.98	114.13
		114.13	-3.98	0.01	0.0	25.5	-5.61	253.35	0.33	0.86	5.19	
6596.26												
						51.0	-5.61	250.06	0.33	0.86	14.37	
1.299e+04												
16	58	9940.44	23.45	0.02	-6.57	0.0	-17.00	196.46	0.63	4.71	-10.89	43.96
		43.96	-10.89	3.69e-03	0.0	25.5	-17.00	193.17	0.63	4.71	6.28	
5034.06												
						51.0	-17.00	189.89	0.63	4.71	23.45	
9940.44												
16	59	225.70	13.70	0.03	-6.57	0.0	30.69	0.73	-0.79	-6.66	13.70	225.70
		-18.06	-28.44	0.01	0.0	25.5	30.69	-2.55	-0.79	-6.66	-7.37	145.68
						51.0	30.69	-5.83	-0.79	-6.66	-28.44	-18.06
16	60	-2.47	-2.83	-0.01	-6.57	0.0	-12.32	-171.83	3.16e-03	5.92	-3.81	-2.47
		-8821.39	-3.81	-0.01	0.0	25.5	-12.32	-175.11	3.16e-03	5.92	-3.32	-
4370.07												
						51.0	-12.32	-178.39	3.16e-03	5.92	-2.83	-
8821.39												
16	61	7329.95	6.51	0.04	-6.57	0.0	20.73	145.08	-0.34	-5.10	6.51	210.00
		210.00	-11.89	0.02	0.0	25.5	20.73	141.80	-0.34	-5.10	-2.69	
3811.83												
						51.0	20.73	138.51	-0.34	-5.10	-11.89	
7329.95												
16	62	-18.17	13.72	1.81e-03	-6.57	0.0	-22.29	-27.48	0.45	7.47	-11.00	-18.17
		-1473.38	-11.00	-9.27e-03	0.0	25.5	-22.29	-30.76	0.45	7.47	1.36	-
703.92												
						51.0	-22.29	-34.05	0.45	7.47	13.72	-
1473.38												
16	63	225.26	12.74	0.03	-6.57	0.0	30.36	0.93	-0.76	-6.59	12.74	225.26
		-8.04	-28.04	0.01	0.0	25.5	30.36	-2.35	-0.76	-6.59	-7.65	150.47
						51.0	30.36	-5.63	-0.76	-6.59	-28.04	-8.04
16	64	-2.90	-2.43	-0.01	-6.57	0.0	-12.65	-171.63	0.03	5.99	-4.77	-2.90
		-8811.37	-4.77	-0.01	0.0	25.5	-12.65	-174.91	0.03	5.99	-3.60	-
4365.28												
						51.0	-12.65	-178.19	0.03	5.99	-2.43	-
8811.37												
16	65	7319.93	7.47	0.04	-6.57	0.0	21.06	144.88	-0.37	-5.17	7.47	210.43
		210.43	-12.28	0.02	0.0	25.5	21.06	141.60	-0.37	-5.17	-2.40	
3807.04												
						51.0	21.06	138.32	-0.37	-5.17	-12.28	
7319.93												
16	66	-17.73	13.33	2.13e-03	-6.57	0.0	-21.96	-27.68	0.42	7.41	-10.04	-17.73
		-1483.40	-10.04	-9.26e-03	0.0	25.5	-21.96	-30.96	0.42	7.41	1.64	-
708.71												
						51.0	-21.96	-34.24	0.42	7.41	13.33	-
1483.40												
16	67	670.66	16.46	0.07	-6.57	0.0	28.17	14.74	-0.89	-6.79	16.46	228.57
		228.57	-30.76	0.01	0.0	25.5	28.17	11.46	-0.89	-6.79	-7.15	491.47
						51.0	28.17	8.18	-0.89	-6.79	-30.76	670.66
16	68	-5.33	-0.51	-0.05	-6.57	0.0	-9.80	-185.84	0.11	6.06	-6.56	-5.33
		-9510.11	-6.56	-0.01	0.0	25.5	-9.80	-189.12	0.11	6.06	-3.54	-
4715.87												
						51.0	-9.80	-192.40	0.11	6.06	-0.51	-
9510.11												
16	69	8018.67	9.27	0.08	-6.57	0.0	18.21	159.09	-0.45	-5.24	9.27	212.86
		212.86	-14.21	0.02	0.0	25.5	18.21	155.81	-0.45	-5.24	-2.47	
4157.63												
						51.0	18.21	152.52	-0.45	-5.24	-14.21	
8018.67												
16	70	-21.04	16.04	-0.04	-6.57	0.0	-19.76	-41.49	0.55	7.61	-13.75	-21.04
		-2162.10	-13.75	-8.86e-03	0.0	25.5	-19.76	-44.77	0.55	7.61	1.14	-
1049.71												
						51.0	-19.76	-48.05	0.55	7.61	16.04	-

2162.10												
16	71	680.69	15.50	0.07	-6.57	0.0	27.84	14.94	-0.86	-6.73	15.50	228.13
		228.13	-30.36	0.01	0.0	25.5	27.84	11.66	-0.86	-6.73	-7.43	496.27
						51.0	27.84	8.37	-0.86	-6.73	-30.36	680.69
16	72	-5.77	-0.11	-0.05	-6.57	0.0	-10.13	-185.64	0.13	6.12	-7.52	-5.77
		-9500.09	-7.52	-0.01	0.0	25.5	-10.13	-188.92	0.13	6.12	-3.82	-
4711.07												
						51.0	-10.13	-192.20	0.13	6.12	-0.11	-
9500.09												
16	73	8008.65	10.22	0.08	-6.57	0.0	18.54	158.89	-0.47	-5.30	10.22	213.30
		213.30	-14.60	0.02	0.0	25.5	18.54	155.61	-0.47	-5.30	-2.19	
4152.83												
						51.0	18.54	152.32	-0.47	-5.30	-14.60	
8008.65												
16	74	-20.60	15.65	-0.04	-6.57	0.0	-19.43	-41.69	0.52	7.55	-12.80	-20.60
		-2172.12	-12.80	-8.84e-03	0.0	25.5	-19.43	-44.97	0.52	7.55	1.43	-
1054.50												
						51.0	-19.43	-48.25	0.52	7.55	15.65	-
2172.12												
16	75	153.71	13.48	2.90e-03	-6.57	0.0	23.31	-190.92	-0.88	-3.29	13.48	153.71
		-9781.11	-33.37	-2.48e-04	0.0	25.5	23.31	-194.20	-0.88	-3.29	-9.95	-
4771.84												
						51.0	23.31	-197.48	-0.88	-3.29	-33.37	-
9781.11												
16	76	97.14	9.12	-8.05e-03	-6.57	0.0	12.64	-233.72	-0.69	-0.17	9.12	97.14
		-1.196e+04	-27.00	-6.42e-03	0.0	25.5	12.64	-237.01	-0.69	-0.17	-8.94	-
5892.04												
						51.0	12.64	-240.29	-0.69	-0.17	-27.00	-
1.196e+04												
16	77	1.047e+04	12.28	0.04	-6.57	0.0	-4.24	206.98	0.34	0.99	-6.41	110.39
		110.39	-6.41	9.33e-03	0.0	25.5	-4.24	203.69	0.34	0.99	2.93	
5333.80												
						51.0	-4.24	200.41	0.34	0.99	12.28	
1.047e+04												
16	78	8289.68	18.65	0.03	-6.57	0.0	-14.91	164.17	0.54	4.11	-10.77	53.82
		53.82	-10.77	3.15e-03	0.0	25.5	-14.91	160.89	0.54	4.11	3.94	
4213.60												
						51.0	-14.91	157.60	0.54	4.11	18.65	
8289.68												
16	79	154.42	14.16	0.01	-6.57	0.0	22.69	-187.44	-0.91	-3.33	14.16	154.42
		-9610.34	-33.94	-3.50e-04	0.0	25.5	22.69	-190.73	-0.91	-3.33	-9.89	-
4686.10												
						51.0	22.69	-194.01	-0.91	-3.33	-33.94	-
9610.34												
16	80	96.43	8.43	-0.02	-6.57	0.0	13.27	-237.20	-0.66	-0.14	8.43	96.43
		-1.214e+04	-26.42	-6.32e-03	0.0	25.5	13.27	-240.48	-0.66	-0.14	-9.00	-
5977.79												
						51.0	13.27	-243.76	-0.66	-0.14	-26.42	-
1.214e+04												
16	81	1.064e+04	11.70	0.05	-6.57	0.0	-4.86	210.45	0.32	0.96	-5.73	111.10
		111.10	-5.73	9.22e-03	0.0	25.5	-4.86	207.17	0.32	0.96	2.99	
5419.55												
						51.0	-4.86	203.88	0.32	0.96	11.70	
1.064e+04												
16	82	8118.90	19.23	0.02	-6.57	0.0	-14.28	160.70	0.57	4.14	-11.46	53.11
		53.11	-11.46	3.25e-03	0.0	25.5	-14.28	157.41	0.57	4.14	3.88	
4127.86												
						51.0	-14.28	154.13	0.57	4.14	19.23	
8118.90												
16	83	152.51	10.83	2.27e-03	-6.57	0.0	22.40	-190.35	-0.81	-3.12	10.83	152.51
		-9752.67	-32.27	-2.91e-04	0.0	25.5	22.40	-193.64	-0.81	-3.12	-10.72	-
4758.23												
						51.0	22.40	-196.92	-0.81	-3.12	-32.27	-
9752.67												
16	84	95.94	6.46	-8.94e-03	-6.57	0.0	11.73	-233.16	-0.61	1.92e-03	6.46	95.94
		-1.194e+04	-25.90	-6.47e-03	0.0	25.5	11.73	-236.44	-0.61	1.92e-03	-9.72	-
5878.42												
						51.0	11.73	-239.73	-0.61	1.92e-03	-25.90	-
1.194e+04												
16	85	1.045e+04	11.19	0.04	-6.57	0.0	-3.32	206.41	0.27	0.82	-3.76	111.59
		111.59	-3.76	9.37e-03	0.0	25.5	-3.32	203.13	0.27	0.82	3.71	
5320.18												

						51.0	-3.32	199.85	0.27	0.82	11.19	
1.045e+04												
16	86	8261.24	17.55	0.03	-6.57	0.0	-13.99	163.61	0.46	3.94	-8.12	55.02
		55.02	-8.12	3.20e-03	0.0	25.5	-13.99	160.32	0.46	3.94	4.72	
4199.99												
						51.0	-13.99	157.04	0.46	3.94	17.55	
8261.24												
16	87	153.22	11.51	0.01	-6.57	0.0	21.77	-186.88	-0.83	-3.15	11.51	153.22
		-9581.90	-32.85	-3.94e-04	0.0	25.5	21.77	-190.16	-0.83	-3.15	-10.67	-
4672.48												
						51.0	21.77	-193.45	-0.83	-3.15	-32.85	-
9581.90												
16	88	95.23	5.78	-0.02	-6.57	0.0	12.35	-236.63	-0.58	0.04	5.78	95.23
		-1.211e+04	-25.32	-6.36e-03	0.0	25.5	12.35	-239.92	-0.58	0.04	-9.77	-
5964.17												
						51.0	12.35	-243.20	-0.58	0.04	-25.32	-
1.211e+04												
16	89	1.062e+04	10.61	0.05	-6.57	0.0	-3.94	209.89	0.24	0.78	-3.08	112.30
		112.30	-3.08	9.27e-03	0.0	25.5	-3.94	206.60	0.24	0.78	3.77	
5405.93												
						51.0	-3.94	203.32	0.24	0.78	10.61	
1.062e+04												
16	90	8090.46	18.13	0.02	-6.57	0.0	-13.36	160.13	0.49	3.97	-8.81	54.31
		54.31	-8.81	3.30e-03	0.0	25.5	-13.36	156.85	0.49	3.97	4.66	
4114.24												
						51.0	-13.36	153.57	0.49	3.97	18.13	
8090.46												
16	91	204.55	11.60	0.03	-6.57	0.0	26.12	-1.71	-0.68	-5.43	11.60	204.55
		-144.20	-24.82	0.01	0.0	25.5	26.12	-5.00	-0.68	-5.43	-6.61	72.03
						51.0	26.12	-8.28	-0.68	-5.43	-24.82	-
144.20												
16	92	15.98	-2.93	-6.99e-03	-6.57	0.0	-9.45	-144.40	-0.03	4.96	-2.93	15.98
		-7423.63	-3.59	-0.01	0.0	25.5	-9.45	-147.69	-0.03	4.96	-3.26	-
3661.97												
						51.0	-9.45	-150.97	-0.03	4.96	-3.59	-
7423.63												
16	93	5932.19	5.63	0.04	-6.57	0.0	17.85	117.65	-0.32	-4.15	5.63	191.55
		191.55	-11.12	0.01	0.0	25.5	17.85	114.37	-0.32	-4.15	-2.75	
3103.73												
						51.0	17.85	111.09	-0.32	-4.15	-11.12	
5932.19												
16	94	2.98	10.10	4.24e-03	-6.57	0.0	-17.71	-25.03	0.34	6.25	-8.90	2.98
		-1347.24	-8.90	-7.40e-03	0.0	25.5	-17.71	-28.32	0.34	6.25	0.60	-
630.27												
						51.0	-17.71	-31.60	0.34	6.25	10.10	-
1347.24												
16	95	204.19	10.81	0.03	-6.57	0.0	25.84	-1.54	-0.66	-5.38	10.81	204.19
		-135.66	-24.49	0.01	0.0	25.5	25.84	-4.83	-0.66	-5.38	-6.84	76.12
						51.0	25.84	-8.11	-0.66	-5.38	-24.49	-
135.66												
16	96	15.62	-3.26	-7.25e-03	-6.57	0.0	-9.72	-144.23	-3.21e-03	5.02	-3.73	15.62
		-7415.10	-3.73	-0.01	0.0	25.5	-9.72	-147.52	-3.21e-03	5.02	-3.50	-
3657.88												
						51.0	-9.72	-150.80	-3.21e-03	5.02	-3.26	-
7415.10												
16	97	5923.66	6.43	0.04	-6.57	0.0	18.13	117.49	-0.34	-4.20	6.43	191.91
		191.91	-11.45	0.01	0.0	25.5	18.13	114.20	-0.34	-4.20	-2.51	
3099.64												
						51.0	18.13	110.92	-0.34	-4.20	-11.45	
5923.66												
16	98	3.35	9.77	4.51e-03	-6.57	0.0	-17.44	-25.20	0.32	6.20	-8.10	3.35
		-1355.77	-8.10	-7.39e-03	0.0	25.5	-17.44	-28.49	0.32	6.20	0.83	-
634.36												
						51.0	-17.44	-31.77	0.32	6.20	9.77	-
1355.77												
16	99	425.05	13.89	0.06	-6.57	0.0	24.04	9.87	-0.77	-5.54	13.89	206.92
		206.92	-26.74	9.97e-03	0.0	25.5	24.04	6.58	-0.77	-5.54	-6.43	357.84
						51.0	24.04	3.30	-0.77	-5.54	-26.74	425.05
16	100	13.61	-1.67	-0.04	-6.57	0.0	-7.36	-155.98	0.06	5.08	-5.22	13.61
		-7992.88	-5.22	-9.94e-03	0.0	25.5	-7.36	-159.26	0.06	5.08	-3.44	-
3947.78												
						51.0	-7.36	-162.55	0.06	5.08	-1.67	-

7992.88												
16	101	6501.44	7.92	0.07	-6.57	0.0	15.77	129.23	-0.40	-4.26	7.92	193.92
		193.92	-13.05	0.01	0.0	25.5	15.77	125.95	-0.40	-4.26	-2.56	
3389.54												
						51.0	15.77	122.67	-0.40	-4.26	-13.05	
6501.44												
16	102	0.61	12.03	-0.03	-6.57	0.0	-15.63	-36.61	0.43	6.36	-11.19	0.61
		-1916.49	-11.19	-7.06e-03	0.0	25.5	-15.63	-39.90	0.43	6.36	0.42	-
916.08												
						51.0	-15.63	-43.18	0.43	6.36	12.03	-
1916.49												
16	103	433.59	13.09	0.06	-6.57	0.0	23.76	10.03	-0.75	-5.49	13.09	206.56
		206.56	-26.42	9.95e-03	0.0	25.5	23.76	6.75	-0.75	-5.49	-6.66	361.93
						51.0	23.76	3.47	-0.75	-5.49	-26.42	433.59
16	104	13.25	-1.34	-0.04	-6.57	0.0	-7.64	-155.81	0.08	5.13	-6.02	13.25
		-7984.35	-6.02	-9.95e-03	0.0	25.5	-7.64	-159.09	0.08	5.13	-3.68	-
3943.69												
						51.0	-7.64	-162.38	0.08	5.13	-1.34	-
7984.35												
16	105	6492.91	8.72	0.07	-6.57	0.0	16.05	129.06	-0.42	-4.31	8.72	194.28
		194.28	-13.38	0.01	0.0	25.5	16.05	125.78	-0.42	-4.31	-2.33	
3385.45												
						51.0	16.05	122.50	-0.42	-4.31	-13.38	
6492.91												
16	106	0.97	11.70	-0.03	-6.57	0.0	-15.35	-36.78	0.40	6.31	-10.39	0.97
		-1925.02	-10.39	-7.05e-03	0.0	25.5	-15.35	-40.06	0.40	6.31	0.65	-
920.17												
						51.0	-15.35	-43.35	0.40	6.31	11.70	-
1925.02												
17	1	2257.11	3.57	5.58e-03	-31.54	0.0	-55.47	-180.07	0.64	-62.54	-27.00	
2257.11												
		-7129.73	-27.00	7.74e-04	0.0	24.0	-55.47	-195.84	0.64	-62.54	-11.72	-
2247.35												
						47.9	-55.47	-211.61	0.64	-62.54	3.57	-
7129.73												
17	2	7099.01	28.29	0.03	-214.87	0.0	-139.01	-792.48	3.04	-272.01	-117.25	
7099.01												
		-3.603e+04	-117.25	2.54e-03	0.0	24.0	-139.01	-899.92	3.04	-272.01	-44.48	-
1.318e+04												
						47.9	-139.01	-1007.35	3.04	-272.01	28.29	-
3.603e+04												
17	3	1644.86	2.28	3.87e-03	-20.80	0.0	-41.09	-126.96	0.45	-44.15	-19.07	
1644.86												
		-4938.93	-19.07	5.62e-04	0.0	24.0	-41.09	-137.36	0.45	-44.15	-8.39	-
1522.41												
						47.9	-41.09	-147.76	0.45	-44.15	2.28	-
4938.93												
17	4	6486.76	27.00	0.03	-204.13	0.0	-124.63	-739.37	2.84	-253.62	-109.31	
6486.76												
		-3.384e+04	-109.31	2.33e-03	0.0	24.0	-124.63	-841.44	2.84	-253.62	-41.16	-
1.246e+04												
						47.9	-124.63	-943.50	2.84	-253.62	27.00	-
3.384e+04												
17	5	1696.51	2.54	4.11e-03	-22.76	0.0	-41.98	-133.49	0.47	-46.39	-20.03	
1696.51												
		-5247.25	-20.03	5.81e-04	0.0	24.0	-41.98	-144.87	0.47	-46.39	-8.74	-
1639.02												
						47.9	-41.98	-156.25	0.47	-46.39	2.54	-
5247.25												
17	6	4924.44	19.02	0.02	-144.98	0.0	-97.68	-541.77	2.07	-186.03	-80.19	
4924.44												
		-2.452e+04	-80.19	1.76e-03	0.0	24.0	-97.67	-614.25	2.07	-186.03	-30.59	-
8927.62												
						47.9	-97.67	-686.74	2.07	-186.03	19.02	-
2.452e+04												
17	7	1696.51	2.54	4.11e-03	-22.76	0.0	-41.98	-133.49	0.47	-46.39	-20.03	
1696.51												
		-5247.25	-20.03	5.81e-04	0.0	24.0	-41.98	-144.87	0.47	-46.39	-8.74	-
1639.02												
						47.9	-41.98	-156.25	0.47	-46.39	2.54	-
5247.25												
17	8	3956.06	14.08	0.01	-108.31	0.0	-80.97	-419.28	1.59	-144.14	-62.14	

3956.06													
		-1.874e+04	-62.14	1.40e-03	0.0	24.0	-80.97	-473.44	1.59	-144.14	-24.03	-	
6741.04													
						47.9	-80.97	-527.60	1.59	-144.14	14.08	-	
1.874e+04													
17	9	1696.51	2.54	4.11e-03	-22.76	0.0	-41.98	-133.49	0.47	-46.39	-20.03		
1696.51													
		-5247.25	-20.03	5.81e-04	0.0	24.0	-41.98	-144.87	0.47	-46.39	-8.74	-	
1639.02													
						47.9	-41.98	-156.25	0.47	-46.39	2.54	-	
5247.25													
17	10	3633.27	12.43	0.01	-96.09	0.0	-75.40	-378.46	1.43	-130.18	-56.13		
3633.27													
		-1.681e+04	-56.13	1.29e-03	0.0	24.0	-75.40	-426.50	1.43	-130.18	-21.85	-	
6012.18													
						47.9	-75.40	-474.55	1.43	-130.18	12.43	-	
1.681e+04													
17	11	4.590e+04	109.81	0.07	-96.09	0.0	-928.59	-1917.30	7.84	-585.05	-336.99		
4.590e+04													
		-6.123e+04	-336.99	-1.67e-03	0.0	24.0	-928.59	-1965.34	7.84	-585.05	-113.59	-	
7091.75													
						47.9	-928.59	-2013.39	7.84	-585.05	109.81	-	
6.123e+04													
17	12	4604.02	170.49	0.07	-96.09	0.0	54.72	-551.49	9.77	-254.48	-230.56		
4604.02													
		-3.630e+04	-230.56	-0.01	0.0	24.0	54.72	-599.53	9.77	-254.48	-30.04	-	
1.527e+04													
						47.9	54.72	-647.58	9.77	-254.48	170.49	-	
3.630e+04													
17	13	3247.72	118.31	-0.04	-96.09	0.0	-205.52	-205.43	-6.91	-5.87	118.31		
2662.52													
		2662.52	-145.63	0.01	0.0	24.0	-205.52	-253.47	-6.91	-5.87	-13.66		
3247.72													
						47.9	-205.51	-301.52	-6.91	-5.87	-145.63		
2681.51													
17	14	2.761e+04	224.73	-0.05	-96.09	0.0	777.80	1160.38	-4.98	324.70	224.73	-	
3.863e+04													
		-3.863e+04	-84.96	4.25e-03	0.0	24.0	777.80	1112.34	-4.98	324.70	69.89	-	
4932.61													
						47.9	777.80	1064.29	-4.98	324.70	-84.96		
2.761e+04													
17	15	4.495e+04	113.32	0.07	-96.09	0.0	-916.85	-1920.00	7.53	-599.61	-350.26		
4.495e+04													
		-6.236e+04	-350.26	-1.84e-03	0.0	24.0	-916.85	-1968.05	7.53	-599.61	-118.47	-	
8130.46													
						47.9	-916.85	-2016.09	7.53	-599.61	113.32	-	
6.236e+04													
17	16	5549.78	166.99	0.06	-96.09	0.0	42.98	-548.78	10.08	-239.92	-217.29		
5549.78													
		-3.517e+04	-217.29	-0.01	0.0	24.0	42.98	-596.83	10.08	-239.92	-25.15	-	
1.423e+04													
						47.9	42.98	-644.87	10.08	-239.92	166.99	-	
3.517e+04													
17	17	2210.44	105.03	-0.04	-96.09	0.0	-193.77	-208.13	-7.22	-20.43	105.03		
1716.76													
		1549.84	-142.13	0.01	0.0	24.0	-193.77	-256.17	-7.22	-20.43	-18.55		
2209.00													
						47.9	-193.77	-304.22	-7.22	-20.43	-142.13		
1549.84													
17	18	2.874e+04	238.01	-0.05	-96.09	0.0	766.06	1163.09	-4.67	339.26	238.01	-	
3.768e+04													
		-3.768e+04	-88.46	4.41e-03	0.0	24.0	766.06	1115.04	-4.67	339.26	74.77	-	
3893.90													
						47.9	766.06	1067.00	-4.67	339.26	-88.46		
2.874e+04													
17	19	4.479e+04	117.85	0.07	-96.09	0.0	-909.36	-1866.48	8.25	-594.13	-348.14		
4.479e+04													
		-6.159e+04	-348.14	-1.68e-03	0.0	24.0	-909.36	-1914.52	8.25	-594.13	-115.14	-	
7823.22													
						47.9	-909.36	-1962.57	8.25	-594.13	117.85	-	
6.159e+04													
17	20	3496.30	178.53	0.07	-96.09	0.0	73.95	-500.66	10.18	-263.57	-241.71		

3496.30												
		-3.665e+04	-241.71	-0.01	0.0	24.0	73.95	-548.71	10.18	-263.57	-31.59	-
1.600e+04												
						47.9	73.95	-596.75	10.18	-263.57	178.53	-
3.665e+04												
17	21	4035.76	129.46	-0.04	-96.09	0.0	-224.75	-256.25	-7.32	3.22	129.46	
3770.24												
		3036.74	-153.67	0.01	0.0	24.0	-224.75	-304.29	-7.32	3.22	-12.11	
3979.19												
						47.9	-224.75	-352.34	-7.32	3.22	-153.67	
3036.74												
17	22	2.797e+04	235.89	-0.05	-96.09	0.0	758.56	1109.56	-5.39	333.78	235.89	-
3.752e+04												
		-3.752e+04	-92.99	4.25e-03	0.0	24.0	758.56	1061.52	-5.39	333.78	71.45	-
4201.14												
						47.9	758.56	1013.47	-5.39	333.78	-92.99	
2.797e+04												
17	23	4.384e+04	121.35	0.07	-96.09	0.0	-897.62	-1869.18	7.94	-608.69	-361.41	
4.384e+04												
		-6.272e+04	-361.41	-1.84e-03	0.0	24.0	-897.62	-1917.22	7.94	-608.69	-120.03	-
8861.94												
						47.9	-897.62	-1965.27	7.94	-608.69	121.35	-
6.272e+04												
17	24	4442.06	175.02	0.06	-96.09	0.0	62.21	-497.96	10.49	-249.01	-228.44	
4442.06												
		-3.552e+04	-228.44	-0.01	0.0	24.0	62.21	-546.01	10.49	-249.01	-26.71	-
1.496e+04												
						47.9	62.21	-594.05	10.49	-249.01	175.02	-
3.552e+04												
17	25	3031.90	116.18	-0.04	-96.09	0.0	-213.01	-258.95	-7.63	-11.34	116.18	
2824.48												
		1905.07	-150.17	0.01	0.0	24.0	-213.01	-307.00	-7.63	-11.34	-16.99	
2940.47												
						47.9	-213.01	-355.04	-7.63	-11.34	-150.17	
1905.07												
17	26	2.910e+04	249.16	-0.05	-96.09	0.0	746.82	1112.27	-5.08	348.34	249.16	-
3.658e+04												
		-3.658e+04	-96.50	4.42e-03	0.0	24.0	746.82	1064.22	-5.08	348.34	76.33	-
3162.42												
						47.9	746.82	1016.18	-5.08	348.34	-96.50	
2.910e+04												
17	27	7.894e+04	-50.38	0.04	-96.09	0.0	-1822.71	-2911.59	0.42	-767.99	-301.80	
7.894e+04												
		-6.795e+04	-301.80	0.01	0.0	24.0	-1822.71	-2959.63	0.42	-767.99	-176.09	
6070.79												
						47.9	-1822.71	-3007.68	0.42	-767.99	-50.38	-
6.795e+04												
17	28	1.516e+04	151.87	0.02	-96.09	0.0	1454.99	1641.11	6.86	333.89	52.96	-
5.870e+04												
		-5.870e+04	52.96	-0.02	0.0	24.0	1454.99	1593.07	6.86	333.89	102.41	-
2.120e+04												
						47.9	1454.99	1545.02	6.86	333.89	151.87	
1.516e+04												
17	29	6.597e+04	-127.01	7.40e-03	-96.09	0.0	-1605.79	-2398.03	-4.00	-594.24	-165.21	
6.597e+04												
		-4.877e+04	-165.21	0.02	0.0	24.0	-1605.79	-2446.07	-4.00	-594.24	-146.11	
9172.62												
						47.9	-1605.79	-2494.12	-4.00	-594.24	-127.01	-
4.877e+04												
17	30	3.433e+04	189.55	-0.01	-96.09	0.0	1671.92	2154.68	2.44	507.64	189.55	-
7.167e+04												
		-7.167e+04	75.24	-0.01	0.0	24.0	1671.92	2106.63	2.44	507.64	132.39	-
1.810e+04												
						47.9	1671.92	2058.59	2.44	507.64	75.24	
3.433e+04												
17	31	7.861e+04	-47.97	0.04	-96.09	0.0	-1816.94	-2896.34	0.55	-770.72	-305.15	
7.861e+04												
		-6.806e+04	-305.15	0.01	0.0	24.0	-1816.94	-2944.39	0.55	-770.72	-176.56	
5851.34												
						47.9	-1816.94	-2992.43	0.55	-770.72	-47.97	-
6.806e+04												
17	32	1.505e+04	154.28	0.02	-96.09	0.0	1460.76	1656.36	6.98	331.16	49.61	-

5.903e+04												
		-5.903e+04	49.61	-0.02	0.0	24.0	1460.76	1608.32	6.98	331.16	101.95	-
2.142e+04												
						47.9	1460.76	1560.27	6.98	331.16	154.28	
1.505e+04												
17	33	6.630e+04	-129.42	7.46e-03	-96.09	0.0	-1611.56	-2413.27	-4.12	-591.51	-161.87	
6.630e+04												
		-4.867e+04	-161.87	0.02	0.0	24.0	-1611.56	-2461.32	-4.12	-591.51	-145.65	
9392.07												
						47.9	-1611.56	-2509.36	-4.12	-591.51	-129.42	-
4.867e+04												
17	34	3.444e+04	192.89	-0.01	-96.09	0.0	1666.15	2139.43	2.31	510.36	192.89	-
7.134e+04												
		-7.134e+04	72.82	-0.01	0.0	24.0	1666.15	2091.38	2.31	510.36	132.86	-
1.788e+04												
						47.9	1666.15	2043.34	2.31	510.36	72.82	
3.444e+04												
17	35	7.579e+04	-38.70	0.04	-96.09	0.0	-1783.58	-2920.60	-0.61	-816.52	-346.05	
7.579e+04												
		-7.172e+04	-346.05	0.01	0.0	24.0	-1783.58	-2968.65	-0.61	-816.52	-192.37	
2608.40												
						47.9	-1783.58	-3016.69	-0.61	-816.52	-38.70	-
7.172e+04												
17	36	1.893e+04	140.19	0.01	-96.09	0.0	1415.85	1650.13	7.90	382.42	97.20	-
5.555e+04												
		-5.555e+04	97.20	-0.02	0.0	24.0	1415.86	1602.08	7.90	382.42	118.70	-
1.773e+04												
						47.9	1415.86	1554.04	7.90	382.42	140.19	
1.893e+04												
17	37	6.282e+04	-115.34	0.01	-96.09	0.0	-1566.65	-2407.04	-5.04	-642.77	-209.46	
6.282e+04												
		-5.255e+04	-209.46	0.02	0.0	24.0	-1566.65	-2455.08	-5.04	-642.77	-162.40	
5710.23												
						47.9	-1566.65	-2503.13	-5.04	-642.77	-115.34	-
5.255e+04												
17	38	3.810e+04	233.79	-0.02	-96.09	0.0	1632.78	2163.69	3.47	556.17	233.79	-
6.852e+04												
		-6.852e+04	63.56	-0.01	0.0	24.0	1632.78	2115.64	3.47	556.17	148.68	-
1.463e+04												
						47.9	1632.78	2067.60	3.47	556.17	63.56	
3.810e+04												
17	39	7.545e+04	-36.29	0.04	-96.09	0.0	-1777.81	-2905.35	-0.49	-819.25	-349.39	
7.545e+04												
		-7.183e+04	-349.39	0.01	0.0	24.0	-1777.81	-2953.40	-0.49	-819.25	-192.84	
2388.95												
						47.9	-1777.81	-3001.44	-0.49	-819.25	-36.29	-
7.183e+04												
17	40	1.882e+04	142.60	0.01	-96.09	0.0	1421.62	1665.37	8.02	379.69	93.86	-
5.588e+04												
		-5.588e+04	93.86	-0.02	0.0	24.0	1421.62	1617.33	8.02	379.69	118.23	-
1.795e+04												
						47.9	1421.63	1569.28	8.02	379.69	142.60	
1.882e+04												
17	41	6.315e+04	-117.75	0.01	-96.09	0.0	-1572.42	-2422.29	-5.16	-640.05	-206.11	
6.315e+04												
		-5.244e+04	-206.11	0.02	0.0	24.0	-1572.42	-2470.33	-5.16	-640.05	-161.93	
5929.68												
						47.9	-1572.42	-2518.38	-5.16	-640.05	-117.75	-
5.244e+04												
17	42	3.821e+04	237.14	-0.02	-96.09	0.0	1627.01	2148.44	3.35	558.90	237.14	-
6.819e+04												
		-6.819e+04	61.15	-0.01	0.0	24.0	1627.01	2100.39	3.35	558.90	149.14	-
1.441e+04												
						47.9	1627.01	2052.35	3.35	558.90	61.15	
3.821e+04												
17	43	3.692e+04	89.54	0.06	-96.09	0.0	-748.23	-1592.84	6.50	-489.55	-278.02	
3.692e+04												
		-5.195e+04	-278.02	-1.05e-03	0.0	24.0	-748.23	-1640.89	6.50	-489.55	-94.24	-
6935.76												
						47.9	-748.23	-1688.93	6.50	-489.55	89.54	-
5.195e+04												
17	44	4199.99	137.50	0.05	-96.09	0.0	31.07	-510.40	8.02	-227.69	-193.86	

4199.99												
		-3.220e+04	-193.86	-8.30e-03	0.0	24.0	31.07	-558.45	8.02	-227.69	-28.18	-
1.342e+04												
						47.9	31.07	-606.49	8.02	-227.69	137.50	-
3.220e+04												
17	45	3066.54	81.60	-0.03	-96.09	0.0	-181.86	-246.51	-5.16	-32.67	81.60	
3066.54												
		-1422.05	-112.64	0.01	0.0	24.0	-181.86	-294.55	-5.16	-32.67	-15.52	
1397.95												
						47.9	-181.86	-342.60	-5.16	-32.67	-112.64	-
1422.05												
17	46	1.833e+04	165.76	-0.03	-96.09	0.0	597.43	835.93	-3.64	229.20	165.76	-
2.966e+04												
		-2.966e+04	-64.68	3.62e-03	0.0	24.0	597.43	787.88	-3.64	229.20	50.54	-
5088.60												
						47.9	597.43	739.84	-3.64	229.20	-64.68	
1.833e+04												
17	47	3.617e+04	92.31	0.06	-96.09	0.0	-738.91	-1594.94	6.25	-501.09	-288.55	
3.617e+04												
		-5.284e+04	-288.55	-1.18e-03	0.0	24.0	-738.91	-1642.98	6.25	-501.09	-98.12	-
7759.17												
						47.9	-738.91	-1691.03	6.25	-501.09	92.31	-
5.284e+04												
17	48	4950.92	134.73	0.05	-96.09	0.0	21.74	-508.31	8.27	-216.14	-183.33	
4950.92												
		-3.130e+04	-183.33	-8.17e-03	0.0	24.0	21.74	-556.35	8.27	-216.14	-24.30	-
1.260e+04												
						47.9	21.74	-604.40	8.27	-216.14	134.73	-
3.130e+04												
17	49	2315.62	71.07	-0.03	-96.09	0.0	-172.54	-248.61	-5.41	-44.21	71.07	
2315.62												
		-2317.97	-109.88	0.01	0.0	24.0	-172.54	-296.65	-5.41	-44.21	-19.40	574.53
						47.9	-172.54	-344.70	-5.41	-44.21	-109.88	-
2317.97												
17	50	1.923e+04	176.29	-0.03	-96.09	0.0	588.11	838.02	-3.39	240.74	176.29	-
2.891e+04												
		-2.891e+04	-67.45	3.75e-03	0.0	24.0	588.11	789.98	-3.39	240.74	54.42	-
4265.19												
						47.9	588.11	741.93	-3.39	240.74	-67.45	
1.923e+04												
17	51	3.598e+04	95.94	0.06	-96.09	0.0	-731.56	-1550.63	6.83	-496.90	-286.89	
3.598e+04												
		-5.222e+04	-286.89	-1.06e-03	0.0	24.0	-731.56	-1598.68	6.83	-496.90	-95.47	-
7546.82												
						47.9	-731.56	-1646.72	6.83	-496.90	95.94	-
5.222e+04												
17	52	3251.40	143.90	0.05	-96.09	0.0	47.73	-468.20	8.35	-235.03	-202.73	
3251.40												
		-3.247e+04	-202.73	-8.31e-03	0.0	24.0	47.73	-516.24	8.35	-235.03	-29.42	-
1.403e+04												
						47.9	47.73	-564.29	8.35	-235.03	143.90	-
3.247e+04												
17	53	4015.14	90.47	-0.03	-96.09	0.0	-198.53	-288.71	-5.49	-25.32	90.47	
4015.14												
		-1148.52	-119.04	0.01	0.0	24.0	-198.53	-336.76	-5.49	-25.32	-14.28	
2009.01												
						47.9	-198.53	-384.81	-5.49	-25.32	-119.04	-
1148.52												
17	54	1.860e+04	174.63	-0.03	-96.09	0.0	580.77	793.72	-3.97	236.54	174.63	-
2.871e+04												
		-2.871e+04	-71.08	3.63e-03	0.0	24.0	580.77	745.68	-3.97	236.54	51.78	-
4477.54												
						47.9	580.77	697.63	-3.97	236.54	-71.08	
1.860e+04												
17	55	3.523e+04	98.70	0.06	-96.09	0.0	-722.24	-1552.73	6.58	-508.44	-297.42	
3.523e+04												
		-5.312e+04	-297.42	-1.19e-03	0.0	24.0	-722.24	-1600.78	6.58	-508.44	-99.36	-
8370.24												
						47.9	-722.24	-1648.82	6.58	-508.44	98.70	-
5.312e+04												
17	56	4002.32	141.13	0.05	-96.09	0.0	38.41	-466.10	8.59	-223.49	-192.20	
4002.32												

		-3.157e+04	-192.20	-8.18e-03	0.0	24.0	38.41	-514.15	8.59	-223.49	-25.53	-1.321e+04
						47.9	38.41	-562.19	8.59	-223.49	141.13	-3.157e+04
17	57	3264.22	79.94	-0.03	-96.09	0.0	-189.21	-290.81	-5.73	-36.86	79.94	3264.22
		-2044.44	-116.27	0.01	0.0	24.0	-189.21	-338.86	-5.73	-36.86	-18.17	1185.59
						47.9	-189.21	-386.90	-5.73	-36.86	-116.27	-2044.44
17	58	1.950e+04	185.16	-0.03	-96.09	0.0	571.44	795.82	-3.72	248.08	185.16	-2.796e+04
		-2.796e+04	-73.85	3.76e-03	0.0	24.0	571.44	747.77	-3.72	248.08	55.66	-3654.12
						47.9	571.44	699.73	-3.72	248.08	-73.85	1.950e+04
17	59	6.325e+04	-37.18	0.03	-96.09	0.0	-1459.18	-2384.47	0.64	-635.15	-250.33	6.325e+04
		-5.731e+04	-250.33	0.01	0.0	24.0	-1459.18	-2432.51	0.64	-635.15	-143.76	3548.68
						47.9	-1459.18	-2480.56	0.64	-635.15	-37.18	-5.731e+04
17	60	8531.93	122.69	0.02	-96.09	0.0	1138.48	1223.65	5.72	237.73	30.19	-4.583e+04
		-4.583e+04	30.19	-0.01	0.0	24.0	1138.48	1175.61	5.72	237.73	76.44	-1.807e+04
						47.9	1138.48	1127.56	5.72	237.73	122.69	8531.93
17	61	5.310e+04	-97.84	8.90e-03	-96.09	0.0	-1289.27	-1980.57	-2.86	-498.09	-142.44	5.310e+04
		-4.215e+04	-142.44	0.02	0.0	24.0	-1289.27	-2028.61	-2.86	-498.09	-120.14	6048.79
						47.9	-1289.27	-2076.66	-2.86	-498.09	-97.84	-4.215e+04
17	62	2.369e+04	138.07	-8.43e-03	-96.09	0.0	1308.39	1627.55	2.22	374.80	138.07	-5.599e+04
		-5.599e+04	62.04	-9.01e-03	0.0	24.0	1308.39	1579.51	2.22	374.80	100.06	-1.557e+04
						47.9	1308.39	1531.46	2.22	374.80	62.04	2.369e+04
17	63	6.297e+04	-35.26	0.03	-96.09	0.0	-1454.18	-2371.81	0.74	-637.36	-252.99	6.297e+04
		-5.739e+04	-252.99	0.01	0.0	24.0	-1454.18	-2419.85	0.74	-637.36	-144.13	3365.36
						47.9	-1454.18	-2467.90	0.74	-637.36	-35.26	-5.739e+04
17	64	8449.87	124.61	0.02	-96.09	0.0	1143.48	1236.32	5.81	235.53	27.53	-4.611e+04
		-4.611e+04	27.53	-0.01	0.0	24.0	1143.48	1188.27	5.81	235.53	76.07	-1.826e+04
						47.9	1143.48	1140.23	5.81	235.53	124.61	8449.87
17	65	5.338e+04	-99.76	8.90e-03	-96.09	0.0	-1294.27	-1993.23	-2.95	-495.88	-139.78	5.338e+04
		-4.207e+04	-139.78	0.02	0.0	24.0	-1294.27	-2041.27	-2.95	-495.88	-119.77	6232.11
						47.9	-1294.27	-2089.32	-2.95	-495.88	-99.76	-4.207e+04
17	66	2.377e+04	140.74	-8.43e-03	-96.09	0.0	1303.39	1614.89	2.12	377.00	140.74	-5.570e+04
		-5.570e+04	60.12	-9.01e-03	0.0	24.0	1303.39	1566.85	2.12	377.00	100.43	-1.539e+04
						47.9	1303.39	1518.80	2.12	377.00	60.12	2.377e+04
17	67	6.075e+04	-27.95	0.04	-96.09	0.0	-1428.10	-2391.46	-0.18	-673.62	-285.44	6.075e+04
		-6.029e+04	-285.44	0.01	0.0	24.0	-1428.10	-2439.50	-0.18	-673.62	-156.70	803.95
						47.9	-1428.10	-2487.55	-0.18	-673.62	-27.95	-6.029e+04
17	68	1.152e+04	113.47	0.01	-96.09	0.0	1107.40	1230.64	6.54	276.20	65.30	-4.333e+04
		-4.333e+04	65.30	-0.01	0.0	24.0	1107.40	1182.60	6.54	276.20	89.38	-1.321e+04

1.533e+04												
						47.9	1107.40	1134.55	6.54	276.20	113.47	
1.152e+04												
17	69	5.059e+04	-88.61	0.01	-96.09	0.0	-1258.19	-1987.56	-3.68	-536.55	-177.55	
5.059e+04												
		-4.514e+04	-177.55	0.01	0.0	24.0	-1258.19	-2035.60	-3.68	-536.55	-133.08	
3304.06												
						47.9	-1258.19	-2083.65	-3.68	-536.55	-88.61	-
4.514e+04												
17	70	2.668e+04	173.18	-0.01	-96.09	0.0	1277.31	1634.54	3.04	413.27	173.18	-
5.348e+04												
		-5.348e+04	52.81	-8.57e-03	0.0	24.0	1277.31	1586.50	3.04	413.27	113.00	-
1.283e+04												
						47.9	1277.31	1538.45	3.04	413.27	52.81	
2.668e+04												
17	71	6.047e+04	-26.03	0.04	-96.09	0.0	-1423.10	-2378.79	-0.08	-675.82	-288.10	
6.047e+04												
		-6.038e+04	-288.10	0.01	0.0	24.0	-1423.10	-2426.84	-0.08	-675.82	-157.07	620.63
						47.9	-1423.10	-2474.88	-0.08	-675.82	-26.03	-
6.038e+04												
17	72	1.144e+04	115.38	0.01	-96.09	0.0	1112.40	1243.30	6.64	274.00	62.64	-
4.361e+04												
		-4.361e+04	62.64	-0.01	0.0	24.0	1112.40	1195.26	6.64	274.00	89.01	-
1.551e+04												
						47.9	1112.40	1147.21	6.64	274.00	115.38	
1.144e+04												
17	73	5.088e+04	-90.53	0.01	-96.09	0.0	-1263.19	-2000.22	-3.78	-534.35	-174.89	
5.088e+04												
		-4.505e+04	-174.89	0.01	0.0	24.0	-1263.19	-2048.26	-3.78	-534.35	-132.71	
3487.38												
						47.9	-1263.19	-2096.31	-3.78	-534.35	-90.53	-
4.505e+04												
17	74	2.676e+04	175.84	-0.01	-96.09	0.0	1272.31	1621.88	2.94	415.47	175.84	-
5.320e+04												
		-5.320e+04	50.89	-8.57e-03	0.0	24.0	1272.31	1573.84	2.94	415.47	113.37	-
1.264e+04												
						47.9	1272.31	1525.79	2.94	415.47	50.89	
2.676e+04												
17	75	3.121e+04	76.16	0.05	-96.09	0.0	-632.44	-1383.58	5.62	-427.23	-239.56	
3.121e+04												
		-4.586e+04	-239.56	-6.43e-04	0.0	24.0	-632.44	-1431.62	5.62	-427.23	-81.70	-
6751.29												
						47.9	-632.44	-1479.67	5.62	-427.23	76.16	-
4.586e+04												
17	76	4161.28	115.80	0.05	-96.09	0.0	11.59	-489.01	6.88	-210.81	-170.00	
4161.28												
		-2.954e+04	-170.00	-6.63e-03	0.0	24.0	11.59	-537.05	6.88	-210.81	-27.10	-
1.211e+04												
						47.9	11.60	-585.10	6.88	-210.81	115.80	-
2.954e+04												
17	77	3105.26	57.74	-0.02	-96.09	0.0	-162.39	-267.90	-4.02	-49.54	57.74	
3105.26												
		-4081.30	-90.94	9.21e-03	0.0	24.0	-162.39	-315.95	-4.02	-49.54	-16.60	87.68
						47.9	-162.39	-363.99	-4.02	-49.54	-90.94	-
4081.30												
17	78	1.224e+04	127.30	-0.02	-96.09	0.0	481.64	626.66	-2.76	166.88	127.30	-
2.394e+04												
		-2.394e+04	-51.30	3.22e-03	0.0	24.0	481.64	578.62	-2.76	166.88	38.00	-
5273.07												
						47.9	481.64	530.57	-2.76	166.88	-51.30	
1.224e+04												
17	79	3.059e+04	78.45	0.05	-96.09	0.0	-624.74	-1385.31	5.42	-436.76	-248.26	
3.059e+04												
		-4.660e+04	-248.26	-7.52e-04	0.0	24.0	-624.74	-1433.36	5.42	-436.76	-84.91	-
7431.69												
						47.9	-624.74	-1481.40	5.42	-436.76	78.45	-
4.660e+04												
17	80	4781.62	113.51	0.05	-96.09	0.0	3.89	-487.27	7.08	-201.27	-161.29	
4781.62												
		-2.880e+04	-161.29	-6.53e-03	0.0	24.0	3.89	-535.32	7.08	-201.27	-23.89	-
1.143e+04												
						47.9	3.89	-583.36	7.08	-201.27	113.51	-

2.880e+04												
17	81	2484.91	49.04	-0.02	-96.09	0.0	-154.69	-269.64	-4.22	-59.08	49.04	
2484.91												
		-4821.75	-88.65	9.10e-03	0.0	24.0	-154.69	-317.69	-4.22	-59.08	-19.81	-
592.72												
						47.9	-154.69	-365.73	-4.22	-59.08	-88.65	-
4821.75												
17	82	1.298e+04	136.00	-0.03	-96.09	0.0	473.94	628.40	-2.56	176.41	136.00	-
2.332e+04												
		-2.332e+04	-53.59	3.33e-03	0.0	24.0	473.94	580.36	-2.56	176.41	41.21	-
4592.67												
						47.9	473.94	532.31	-2.56	176.41	-53.59	
1.298e+04												
17	83	3.042e+04	81.44	0.05	-96.09	0.0	-618.66	-1348.62	5.89	-433.29	-246.88	
3.042e+04												
		-4.609e+04	-246.88	-6.49e-04	0.0	24.0	-618.66	-1396.67	5.89	-433.29	-82.72	-
7257.39												
						47.9	-618.66	-1444.71	5.89	-433.29	81.44	-
4.609e+04												
17	84	3373.77	121.09	0.05	-96.09	0.0	25.38	-454.06	7.15	-216.87	-177.32	
3373.77												
		-2.976e+04	-177.32	-6.64e-03	0.0	24.0	25.38	-502.10	7.15	-216.87	-28.12	-
1.262e+04												
						47.9	25.38	-550.15	7.15	-216.87	121.09	-
2.976e+04												
17	85	3892.76	65.07	-0.02	-96.09	0.0	-176.18	-302.86	-4.29	-43.48	65.07	
3892.76												
		-3856.60	-96.23	9.21e-03	0.0	24.0	-176.18	-350.90	-4.29	-43.48	-15.58	593.78
						47.9	-176.18	-398.95	-4.29	-43.48	-96.23	-
3856.60												
17	86	1.247e+04	134.63	-0.02	-96.09	0.0	467.86	591.71	-3.03	172.94	134.63	-
2.315e+04												
		-2.315e+04	-56.59	3.22e-03	0.0	24.0	467.86	543.66	-3.03	172.94	39.02	-
4766.97												
						47.9	467.86	495.62	-3.03	172.94	-56.59	
1.247e+04												
17	87	2.980e+04	83.73	0.05	-96.09	0.0	-610.95	-1350.36	5.69	-442.82	-255.58	
2.980e+04												
		-4.683e+04	-255.58	-7.58e-04	0.0	24.0	-610.95	-1398.41	5.69	-442.82	-85.93	-
7937.79												
						47.9	-610.95	-1446.45	5.69	-442.82	83.73	-
4.683e+04												
17	88	3994.12	118.80	0.05	-96.09	0.0	17.68	-452.32	7.35	-207.34	-168.62	
3994.12												
		-2.902e+04	-168.62	-6.53e-03	0.0	24.0	17.68	-500.36	7.35	-207.34	-24.91	-
1.194e+04												
						47.9	17.68	-548.41	7.35	-207.34	118.80	-
2.902e+04												
17	89	3272.42	56.36	-0.02	-96.09	0.0	-168.47	-304.60	-4.49	-53.02	56.36	
3272.42												
		-4597.06	-93.94	9.11e-03	0.0	24.0	-168.47	-352.64	-4.49	-53.02	-18.79	-86.62
						47.9	-168.47	-400.69	-4.49	-53.02	-93.94	-
4597.06												
17	90	1.321e+04	143.33	-0.03	-96.09	0.0	460.16	593.45	-2.82	182.47	143.33	-
2.253e+04												
		-2.253e+04	-58.87	3.33e-03	0.0	24.0	460.16	545.40	-2.82	182.47	42.23	-
4086.57												
						47.9	460.16	497.36	-2.82	182.47	-58.87	
1.321e+04												
17	91	5.292e+04	-28.58	0.03	-96.09	0.0	-1219.30	-2036.75	0.78	-547.52	-216.65	
5.292e+04												
		-5.028e+04	-216.65	9.79e-03	0.0	24.0	-1219.30	-2084.80	0.78	-547.52	-122.62	
1896.56												
						47.9	-1219.30	-2132.84	0.78	-547.52	-28.58	-
5.028e+04												
17	92	4130.50	103.57	0.02	-96.09	0.0	927.48	945.14	4.97	173.86	15.21	-
3.723e+04												
		-3.723e+04	15.21	-0.01	0.0	24.0	927.48	897.09	4.97	173.86	59.39	-
1.597e+04												
						47.9	927.49	849.05	4.97	173.86	103.57	
4130.50												
17	93	4.449e+04	-78.71	9.62e-03	-96.09	0.0	-1078.28	-1702.05	-2.11	-434.21	-127.46	

4.449e+04												
		-3.775e+04	-127.46	0.01	0.0	24.0	-1078.28	-1750.10	-2.11	-434.21	-103.09	
3948.25												
						47.9	-1078.28	-1798.14	-2.11	-434.21	-78.71	-
3.775e+04												
17	94	1.666e+04	104.40	-4.71e-03	-96.09	0.0	1068.50	1279.84	2.08	287.17	104.40	-
4.566e+04												
		-4.566e+04	53.44	-7.22e-03	0.0	24.0	1068.50	1231.79	2.08	287.17	78.92	-
1.392e+04												
						47.9	1068.50	1183.75	2.08	287.17	53.44	
1.666e+04												
17	95	5.269e+04	-26.99	0.03	-96.09	0.0	-1215.16	-2026.27	0.86	-549.34	-218.85	
5.269e+04												
		-5.035e+04	-218.85	9.79e-03	0.0	24.0	-1215.16	-2074.31	0.86	-549.34	-122.92	
1744.73												
						47.9	-1215.16	-2122.36	0.86	-549.34	-26.99	-
5.035e+04												
17	96	4063.09	105.15	0.02	-96.09	0.0	931.62	955.62	5.05	172.04	13.01	-
3.746e+04												
		-3.746e+04	13.01	-0.01	0.0	24.0	931.62	907.58	5.05	172.04	59.08	-
1.612e+04												
						47.9	931.62	859.53	5.05	172.04	105.15	
4063.09												
17	97	4.473e+04	-80.29	9.63e-03	-96.09	0.0	-1082.42	-1712.54	-2.19	-432.40	-125.27	
4.473e+04												
		-3.768e+04	-125.27	0.01	0.0	24.0	-1082.42	-1760.58	-2.19	-432.40	-102.78	
4100.08												
						47.9	-1082.42	-1808.63	-2.19	-432.40	-80.29	-
3.768e+04												
17	98	1.673e+04	106.60	-4.70e-03	-96.09	0.0	1064.36	1269.35	2.00	288.99	106.60	-
4.542e+04												
		-4.542e+04	51.85	-7.22e-03	0.0	24.0	1064.36	1221.31	2.00	288.99	79.22	-
1.377e+04												
						47.9	1064.36	1173.26	2.00	288.99	51.85	
1.673e+04												
17	99	5.086e+04	-20.95	0.03	-96.09	0.0	-1193.62	-2042.55	0.10	-579.31	-245.66	
5.086e+04												
		-5.275e+04	-245.66	9.43e-03	0.0	24.0	-1193.62	-2090.59	0.10	-579.31	-133.31	-
371.45												
						47.9	-1193.62	-2138.64	0.10	-579.31	-20.95	-
5.275e+04												
17	100	6598.69	95.94	0.01	-96.09	0.0	901.81	950.93	5.65	205.65	44.22	-
3.516e+04												
		-3.516e+04	44.22	-9.81e-03	0.0	24.0	901.81	902.89	5.65	205.65	70.08	-
1.370e+04												
						47.9	901.81	854.84	5.65	205.65	95.94	
6598.69												
17	101	4.243e+04	-71.08	0.01	-96.09	0.0	-1052.61	-1707.84	-2.79	-466.01	-156.48	
4.243e+04												
		-4.022e+04	-156.48	0.01	0.0	24.0	-1052.61	-1755.89	-2.79	-466.01	-113.78	
1680.24												
						47.9	-1052.61	-1803.93	-2.79	-466.01	-71.08	-
4.022e+04												
17	102	1.913e+04	133.41	-7.34e-03	-96.09	0.0	1042.82	1285.63	2.76	318.96	133.41	-
4.359e+04												
		-4.359e+04	45.81	-6.86e-03	0.0	24.0	1042.82	1237.59	2.76	318.96	89.61	-
1.165e+04												
						47.9	1042.82	1189.54	2.76	318.96	45.81	
1.913e+04												
17	103	5.062e+04	-19.36	0.03	-96.09	0.0	-1189.49	-2032.06	0.18	-581.13	-247.86	
5.062e+04												
		-5.282e+04	-247.86	9.43e-03	0.0	24.0	-1189.49	-2080.11	0.18	-581.13	-133.61	-
523.28												
						47.9	-1189.49	-2128.15	0.18	-581.13	-19.36	-
5.282e+04												
17	104	6531.28	97.52	0.01	-96.09	0.0	905.94	961.42	5.74	203.84	42.02	-
3.540e+04												
		-3.540e+04	42.02	-9.81e-03	0.0	24.0	905.94	913.37	5.74	203.84	69.77	-
1.386e+04												
						47.9	905.95	865.33	5.74	203.84	97.52	
6531.28												
17	105	4.266e+04	-72.67	0.01	-96.09	0.0	-1056.74	-1718.33	-2.87	-464.19	-154.28	

4.266e+04												
		-4.015e+04	-154.28	0.01	0.0	24.0	-1056.74	-1766.38	-2.87	-464.19	-113.47	
1832.07												
						47.9	-1056.74	-1814.42	-2.87	-464.19	-72.67	-
4.015e+04												
17	106	1.920e+04	135.61	-7.34e-03	-96.09	0.0	1038.69	1275.15	2.68	320.78	135.61	-
4.335e+04												
		-4.335e+04	44.22	-6.85e-03	0.0	24.0	1038.69	1227.10	2.68	320.78	89.91	-
1.150e+04												
						47.9	1038.69	1179.06	2.68	320.78	44.22	
1.920e+04												
19	1	1649.24	-0.72	-2.13e-03	-197.41	0.0	5.05	102.53	-1.42e-03	0.46	-0.72	-
6327.54												
		-6327.54	-1.14	0.01	0.0	150.0	5.05	3.83	-1.42e-03	0.46	-0.93	
1649.24												
						300.0	5.05	-94.88	-1.42e-03	0.46	-1.14	-
5179.89												
19	2	1.306e+04	1.54	-0.03	-1344.91	0.0	-38.58	679.10	0.01	-1.65	-2.07	-
3.837e+04												
		-3.837e+04	-2.07	0.01	0.0	150.0	-38.58	6.64	0.01	-1.65	-0.27	
1.306e+04												
						300.0	-38.58	-665.82	0.01	-1.65	1.54	-
3.637e+04												
19	3	1053.22	-0.53	-1.09e-03	-130.20	0.0	4.71	67.99	-1.35e-03	0.39	-0.53	-
4262.72												
		-4262.72	-0.93	0.01	0.0	150.0	4.71	2.89	-1.35e-03	0.39	-0.73	
1053.22												
						300.0	4.71	-62.21	-1.35e-03	0.39	-0.93	-
3395.84												
19	4	1.247e+04	1.75	-0.03	-1277.70	0.0	-38.93	644.55	0.01	-1.71	-1.88	-
3.630e+04												
		-3.630e+04	-1.88	8.81e-03	0.0	150.0	-38.93	5.70	0.01	-1.71	-0.06	
1.247e+04												
						300.0	-38.93	-633.15	0.01	-1.71	1.75	-
3.459e+04												
19	5	1174.98	-0.54	-1.40e-03	-142.44	0.0	4.25	74.14	-1.21e-03	0.37	-0.54	-
4604.46												
		-4604.46	-0.90	0.01	0.0	150.0	4.25	2.92	-1.21e-03	0.37	-0.72	
1174.98												
						300.0	4.25	-68.30	-1.21e-03	0.37	-0.90	-
3728.58												
19	6	8784.95	0.88	-0.02	-907.44	0.0	-24.85	458.52	7.75e-03	-1.03	-1.44	-
2.596e+04												
		-2.596e+04	-1.44	9.47e-03	0.0	150.0	-24.85	4.80	7.75e-03	-1.03	-0.28	
8784.95												
						300.0	-24.85	-448.92	7.75e-03	-1.03	0.88	-
2.452e+04												
19	7	1174.98	-0.54	-1.40e-03	-142.44	0.0	4.25	74.14	-1.21e-03	0.37	-0.54	-
4604.46												
		-4604.46	-0.90	0.01	0.0	150.0	4.25	2.92	-1.21e-03	0.37	-0.72	
1174.98												
						300.0	4.25	-68.30	-1.21e-03	0.37	-0.90	-
3728.58												
19	8	6501.96	0.35	-0.01	-677.94	0.0	-16.12	343.20	5.07e-03	-0.61	-1.17	-
1.956e+04												
		-1.956e+04	-1.17	9.88e-03	0.0	150.0	-16.12	4.23	5.07e-03	-0.61	-0.41	
6501.96												
						300.0	-16.12	-334.74	5.07e-03	-0.61	0.35	-
1.829e+04												
19	9	1174.98	-0.54	-1.40e-03	-142.44	0.0	4.25	74.14	-1.21e-03	0.37	-0.54	-
4604.46												
		-4604.46	-0.90	0.01	0.0	150.0	4.25	2.92	-1.21e-03	0.37	-0.72	
1174.98												
						300.0	4.25	-68.30	-1.21e-03	0.37	-0.90	-
3728.58												
19	10	5740.97	0.17	-0.01	-601.44	0.0	-13.21	304.77	4.17e-03	-0.47	-1.08	-
1.742e+04												
		-1.742e+04	-1.08	0.01	0.0	150.0	-13.21	4.05	4.17e-03	-0.47	-0.46	
5740.97												
						300.0	-13.21	-296.67	4.17e-03	-0.47	0.17	-
1.621e+04												
19	11	6152.93	-5.59	-0.02	-601.44	0.0	-443.83	256.07	-0.21	25.64	-5.59	-

9766.14												
		-2.413e+04	-52.50	0.19	0.0	150.0	-443.83	-44.65	-0.21	25.64	-29.05	
5607.83												
						300.0	-443.83	-345.37	-0.21	25.64	-52.50	-
2.413e+04												
19	12	6858.72	-10.41	0.05	-601.44	0.0	-351.17	205.57	-0.15	15.74	-10.41	-
3280.48												
		-3.286e+04	-70.63	-0.06	0.0	150.0	-351.17	-95.15	-0.15	15.74	-40.52	
4484.49												
						300.0	-351.17	-395.87	-0.15	15.74	-70.63	-
3.286e+04												
19	13	9826.76	70.97	-0.06	-601.44	0.0	324.75	403.96	0.16	-16.69	8.25	-
3.156e+04												
		-3.156e+04	8.25	0.08	0.0	150.0	324.75	103.24	0.16	-16.69	39.61	
6997.44												
						300.0	324.75	-197.48	0.16	-16.69	70.97	446.05
19	14	6570.89	52.84	-0.01	-601.44	0.0	417.42	353.46	0.22	-26.58	3.43	-
2.507e+04												
		-2.507e+04	3.43	-0.17	0.0	150.0	417.42	52.74	0.22	-26.58	28.13	
5874.10												
						300.0	417.42	-247.98	0.22	-26.58	52.84	-
8286.30												
19	15	5868.81	-5.72	-0.02	-601.44	0.0	-461.22	253.33	-0.23	27.71	-5.72	-
9696.80												
		-2.486e+04	-76.30	0.22	0.0	150.0	-461.22	-47.39	-0.23	27.71	-41.01	
5273.22												
						300.0	-461.22	-348.11	-0.23	27.71	-76.30	-
2.486e+04												
19	16	7041.85	-10.28	0.05	-601.44	0.0	-333.78	208.31	-0.13	13.67	-10.28	-
3349.81												
		-3.212e+04	-46.83	-0.08	0.0	150.0	-333.78	-92.41	-0.13	13.67	-28.55	
4819.10												
						300.0	-333.78	-393.13	-0.13	13.67	-46.83	-
3.212e+04												
19	17	9340.67	47.17	-0.07	-601.44	0.0	307.36	401.22	0.14	-14.61	8.12	-
3.149e+04												
		-3.149e+04	8.12	0.10	0.0	150.0	307.36	100.50	0.14	-14.61	27.64	
6662.83												
						300.0	307.36	-200.22	0.14	-14.61	47.17	-
292.51												
19	18	6998.47	76.64	-0.01	-601.44	0.0	434.80	356.20	0.24	-28.65	3.56	-
2.514e+04												
		-2.514e+04	3.56	-0.20	0.0	150.0	434.80	55.48	0.24	-28.65	40.10	
6208.71												
						300.0	434.80	-245.24	0.24	-28.65	76.64	-
7547.74												
19	19	5875.95	-10.58	-0.02	-601.44	0.0	341.94	250.21	-0.21	26.95	-10.58	-
9340.01												
		-2.531e+04	-56.04	0.23	0.0	150.0	341.94	-50.51	-0.21	26.95	-33.31	
5230.40												
						300.0	341.94	-351.23	-0.21	26.95	-56.04	-
2.531e+04												
19	20	6782.62	-15.41	0.05	-601.44	0.0	434.61	199.72	-0.15	17.06	-15.41	-
2854.35												
		-3.404e+04	-74.16	-0.01	0.0	150.0	434.61	-101.00	-0.15	17.06	-44.78	
4107.06												
						300.0	434.61	-401.72	-0.15	17.06	-74.16	-
3.404e+04												
19	21	1.051e+04	74.50	-0.07	-601.44	0.0	-461.03	409.81	0.15	-18.01	13.24	-
3.199e+04												
		-3.199e+04	13.24	0.03	0.0	150.0	-461.03	109.09	0.15	-18.01	43.87	
7374.87												
						300.0	-461.03	-191.63	0.15	-18.01	74.50	
1627.03												
19	22	7141.19	56.38	-0.01	-601.44	0.0	-368.36	359.32	0.22	-27.90	8.42	-
2.550e+04												
		-2.550e+04	8.42	-0.21	0.0	150.0	-368.36	58.60	0.22	-27.90	32.40	
6251.53												
						300.0	-368.36	-242.12	0.22	-27.90	56.38	-
7105.32												
19	23	5591.83	-10.72	-0.02	-601.44	0.0	324.56	247.48	-0.23	29.03	-10.72	-
9270.68												

		-2.605e+04	-79.84	0.26	0.0	150.0	324.56	-53.24	-0.23	29.03	-45.28	4895.79
						300.0	324.56	-353.96	-0.23	29.03	-79.84	-2.605e+04
19	24	6965.75	-15.27	0.05	-601.44	0.0	452.00	202.45	-0.13	14.99	-15.27	-2923.69
		-3.330e+04	-50.36	-0.04	0.0	150.0	452.00	-98.27	-0.13	14.99	-32.82	4441.67
						300.0	452.00	-398.99	-0.13	14.99	-50.36	-3.330e+04
19	25	1.002e+04	50.70	-0.07	-601.44	0.0	-478.41	407.08	0.14	-15.93	13.11	-3.192e+04
		-3.192e+04	13.11	0.06	0.0	150.0	-478.41	106.36	0.14	-15.93	31.91	7040.26
						300.0	-478.41	-194.36	0.14	-15.93	50.70	888.47
19	26	7576.79	80.18	-0.01	-601.44	0.0	-350.97	362.05	0.24	-29.97	8.55	-2.557e+04
		-2.557e+04	8.55	-0.24	0.0	150.0	-350.97	61.33	0.24	-29.97	44.37	6586.14
						300.0	-350.97	-239.39	0.24	-29.97	80.18	-6366.76
19	27	8447.90	11.86	-0.10	-601.44	0.0	-282.94	366.75	-0.15	22.36	4.88	-2.496e+04
		-2.496e+04	4.88	0.44	0.0	150.0	-282.94	66.03	-0.15	22.36	8.37	7404.76
						300.0	-282.94	-234.69	-0.15	22.36	11.86	-5338.17
19	28	6320.73	-11.20	0.10	-601.44	0.0	25.95	198.42	0.05	-10.61	-11.20	-3341.43
		-3.445e+04	-48.56	-0.38	0.0	150.0	25.95	-102.30	0.05	-10.61	-29.88	3660.29
						300.0	25.95	-403.02	0.05	-10.61	-48.56	-3.445e+04
19	29	1.094e+04	48.90	-0.12	-601.44	0.0	-52.36	411.11	-0.04	9.67	9.03	-3.150e+04
		-3.150e+04	9.03	0.40	0.0	150.0	-52.36	110.39	-0.04	9.67	28.97	7821.65
						300.0	-52.36	-190.33	-0.04	9.67	48.90	2033.50
19	30	4816.92	-7.04	0.08	-601.44	0.0	256.52	242.78	0.16	-23.31	-7.04	-9879.34
		-2.707e+04	-11.52	-0.42	0.0	150.0	256.52	-57.94	0.16	-23.31	-9.28	4077.17
						300.0	256.52	-358.66	0.16	-23.31	-11.52	-2.707e+04
19	31	8274.41	10.80	-0.10	-601.44	0.0	-47.21	364.99	-0.15	22.76	3.38	-2.483e+04
		-2.483e+04	3.38	0.45	0.0	150.0	-47.21	64.27	-0.15	22.76	7.09	7291.53
						300.0	-47.21	-236.45	-0.15	22.76	10.80	-5692.47
19	32	6297.91	-12.69	0.10	-601.44	0.0	261.68	196.66	0.05	-10.22	-12.69	-3213.60
		-3.480e+04	-49.62	-0.37	0.0	150.0	261.68	-104.06	0.05	-10.22	-31.16	3547.06
						300.0	261.68	-404.78	0.05	-10.22	-49.62	-3.480e+04
19	33	1.114e+04	49.96	-0.11	-601.44	0.0	-288.10	412.87	-0.04	9.27	10.53	-3.163e+04
		-3.163e+04	10.53	0.39	0.0	150.0	-288.10	112.15	-0.04	9.27	30.25	7934.87
						300.0	-288.10	-188.57	-0.04	9.27	49.96	2387.79
19	34	4882.54	-5.55	0.08	-601.44	0.0	20.79	244.54	0.16	-23.70	-5.55	-1.001e+04
		-2.672e+04	-10.46	-0.43	0.0	150.0	20.79	-56.18	0.16	-23.70	-8.00	4190.40
						300.0	20.79	-356.90	0.16	-23.70	-10.46	-2.672e+04
19	35	6995.91	4.44	-0.12	-601.44	0.0	-340.90	357.62	-0.22	29.27	4.44	-2.473e+04
		-2.473e+04	-67.48	0.53	0.0	150.0	-340.90	56.90	-0.22	29.27	-31.52	

6289.40												
						300.0	-340.90	-243.82	-0.22	29.27	-67.48	-
7800.03												
19	36	6931.17	30.78	0.11	-601.44	0.0	83.90	207.55	0.11	-17.52	-10.75	-
3572.55												
		-3.198e+04	-10.75	-0.48	0.0	150.0	83.90	-93.17	0.11	-17.52	10.01	
4775.65												
						300.0	83.90	-393.89	0.11	-17.52	30.78	-
3.198e+04												
19	37	9316.89	8.59	-0.13	-601.44	0.0	-110.32	401.99	-0.11	16.57	8.59	-
3.127e+04												
		-3.127e+04	-30.44	0.50	0.0	150.0	-110.32	101.27	-0.11	16.57	-10.92	
6706.28												
						300.0	-110.32	-199.45	-0.11	16.57	-30.44	-
428.36												
19	38	5746.50	67.82	0.10	-601.44	0.0	314.48	251.91	0.22	-30.21	-6.60	-
1.011e+04												
		-2.461e+04	-6.60	-0.51	0.0	150.0	314.48	-48.81	0.22	-30.21	30.61	
5192.53												
						300.0	314.48	-349.53	0.22	-30.21	67.82	-
2.461e+04												
19	39	6851.70	2.94	-0.12	-601.44	0.0	-105.16	355.86	-0.22	29.67	2.94	-
2.460e+04												
		-2.460e+04	-68.54	0.55	0.0	150.0	-105.16	55.14	-0.22	29.67	-32.80	
6176.17												
						300.0	-105.16	-245.58	-0.22	29.67	-68.54	-
8154.32												
19	40	6908.34	29.72	0.11	-601.44	0.0	319.64	205.79	0.11	-17.12	-12.25	-
3444.72												
		-3.234e+04	-12.25	-0.46	0.0	150.0	319.64	-94.93	0.11	-17.12	8.73	
4662.42												
						300.0	319.64	-395.65	0.11	-17.12	29.72	-
3.234e+04												
19	41	9520.51	10.09	-0.13	-601.44	0.0	-346.06	403.74	-0.11	16.18	10.09	-
3.139e+04												
		-3.139e+04	-29.38	0.48	0.0	150.0	-346.06	103.02	-0.11	16.18	-9.64	
6819.51												
						300.0	-346.06	-197.70	-0.11	16.18	-29.38	-74.06
19	42	5829.60	68.88	0.10	-601.44	0.0	78.75	253.67	0.22	-30.61	-5.10	-
1.024e+04												
		-2.426e+04	-5.10	-0.53	0.0	150.0	78.75	-47.05	0.22	-30.61	31.89	
5305.76												
						300.0	78.75	-347.77	0.22	-30.61	68.88	-
2.426e+04												
19	43	5963.07	-4.65	-0.01	-601.44	0.0	-351.37	266.18	-0.16	20.16	-4.65	-
1.138e+04												
		-2.249e+04	-41.41	0.15	0.0	150.0	-351.37	-34.54	-0.16	20.16	-23.03	
5621.35												
						300.0	-351.37	-335.26	-0.16	20.16	-41.41	-
2.249e+04												
19	44	6218.52	-8.40	0.03	-601.44	0.0	-279.37	226.22	-0.12	12.34	-8.40	-
6246.64												
		-2.939e+04	-55.56	-0.04	0.0	150.0	-279.37	-74.50	-0.12	12.34	-31.98	
4735.07												
						300.0	-279.37	-375.22	-0.12	12.34	-55.56	-
2.939e+04												
19	45	8533.70	55.90	-0.05	-601.44	0.0	252.96	383.31	0.12	-13.29	6.23	-
2.859e+04												
		-2.859e+04	6.23	0.06	0.0	150.0	252.96	82.59	0.12	-13.29	31.07	
6746.86												
						300.0	252.96	-218.13	0.12	-13.29	55.90	-
3021.28												
19	46	6354.00	41.75	-0.01	-601.44	0.0	324.96	343.35	0.17	-21.11	2.49	-
2.346e+04												
		-2.346e+04	2.49	-0.13	0.0	150.0	324.96	42.63	0.17	-21.11	22.12	
5860.58												
						300.0	324.96	-258.09	0.17	-21.11	41.75	-
9926.82												
19	47	5737.50	-4.78	-0.02	-601.44	0.0	-365.24	264.01	-0.18	21.81	-4.78	-
1.132e+04												
		-2.307e+04	-60.10	0.18	0.0	150.0	-365.24	-36.71	-0.18	21.81	-32.44	
5355.65												

						300.0	-365.24	-337.43	-0.18	21.81	-60.10	-2.307e+04
19	48	6403.96	-8.26	0.04	-601.44	0.0	-265.51	228.40	-0.10	10.70	-8.26	-6301.97
		-2.880e+04	-36.87	-0.06	0.0	150.0	-265.51	-72.32	-0.10	10.70	-22.57	-5000.77
						300.0	-265.51	-373.04	-0.10	10.70	-36.87	-2.880e+04
19	49	8187.74	37.21	-0.06	-601.44	0.0	239.09	381.14	0.11	-11.64	6.10	-2.854e+04
		-2.854e+04	6.10	0.08	0.0	150.0	239.09	80.42	0.11	-11.64	21.66	-6481.16
						300.0	239.09	-220.30	0.11	-11.64	37.21	-3608.01
19	50	6659.83	60.44	-0.01	-601.44	0.0	338.82	345.52	0.19	-22.75	2.62	-2.352e+04
		-2.352e+04	2.62	-0.16	0.0	150.0	338.82	44.80	0.19	-22.75	31.53	-6126.28
						300.0	338.82	-255.92	0.19	-22.75	60.44	-9340.09
19	51	5740.30	-8.62	-0.02	-601.44	0.0	266.09	261.54	-0.16	21.20	-8.62	-1.105e+04
		-2.342e+04	-44.15	0.19	0.0	150.0	266.09	-39.18	-0.16	21.20	-26.38	-5319.26
						300.0	266.09	-339.90	-0.16	21.20	-44.15	-2.342e+04
19	52	6075.06	-12.36	0.04	-601.44	0.0	338.09	221.58	-0.11	13.38	-12.36	-5914.22
		-3.033e+04	-58.30	-7.41e-03	0.0	150.0	338.09	-79.14	-0.11	13.38	-35.33	-4432.99
						300.0	338.09	-379.86	-0.11	13.38	-58.30	-3.033e+04
19	53	8994.41	58.64	-0.05	-601.44	0.0	-364.51	387.95	0.12	-14.32	10.20	-2.893e+04
		-2.893e+04	10.20	0.03	0.0	150.0	-364.51	87.23	0.12	-14.32	34.42	-7048.94
						300.0	-364.51	-213.49	0.12	-14.32	58.64	-2084.69
19	54	6735.40	44.49	-0.01	-601.44	0.0	-292.51	347.99	0.17	-22.14	6.46	-2.379e+04
		-2.379e+04	6.46	-0.17	0.0	150.0	-292.51	47.27	0.17	-22.14	25.47	-6162.67
						300.0	-292.51	-253.45	0.17	-22.14	44.49	-8990.24
19	55	5514.73	-8.75	-0.02	-601.44	0.0	252.23	259.37	-0.18	22.85	-8.75	-1.099e+04
		-2.401e+04	-62.84	0.21	0.0	150.0	252.23	-41.35	-0.18	22.85	-35.79	-5053.56
						300.0	252.23	-342.07	-0.18	22.85	-62.84	-2.401e+04
19	56	6260.50	-12.23	0.04	-601.44	0.0	351.96	223.76	-0.10	11.73	-12.23	-5969.55
		-2.974e+04	-39.61	-0.03	0.0	150.0	351.96	-76.96	-0.10	11.73	-25.92	-4698.69
						300.0	351.96	-377.68	-0.10	11.73	-39.61	-2.974e+04
19	57	8648.45	39.95	-0.06	-601.44	0.0	-378.38	385.77	0.11	-12.68	10.07	-2.887e+04
		-2.887e+04	10.07	0.05	0.0	150.0	-378.38	85.05	0.11	-12.68	25.01	-6783.24
						300.0	-378.38	-215.67	0.11	-12.68	39.95	-2671.42
19	58	7041.23	63.18	-0.01	-601.44	0.0	-278.64	350.16	0.19	-23.79	6.59	-2.385e+04
		-2.385e+04	6.59	-0.19	0.0	150.0	-278.64	49.44	0.19	-23.79	34.88	-6428.37
						300.0	-278.64	-251.28	0.19	-23.79	63.18	-8403.50
19	59	7682.87	9.16	-0.08	-601.44	0.0	-223.86	353.79	-0.12	17.58	3.52	-2.339e+04
		-2.339e+04	3.52	0.35	0.0	150.0	-223.86	53.07	-0.12	17.58	6.34	-7049.27

						300.0	-223.86	-247.65	-0.12	17.58	9.16	-
7616.67												
19	60	5729.43	-8.95	0.07	-601.44	0.0	16.14	220.60	0.04	-8.49	-8.95	-
6282.82												
		-3.064e+04	-38.01	-0.30	0.0	150.0	16.14	-80.12	0.04	-8.49	-23.48	
4095.01												
						300.0	16.14	-380.84	0.04	-8.49	-38.01	-
3.064e+04												
19	61	9324.73	38.35	-0.09	-601.44	0.0	-42.56	388.93	-0.03	7.55	6.79	-
2.856e+04												
		-2.856e+04	6.79	0.32	0.0	150.0	-42.56	88.21	-0.03	7.55	22.57	
7386.92												
						300.0	-42.56	-212.51	-0.03	7.55	38.35	-
1777.35												
19	62	4914.57	-5.69	0.06	-601.44	0.0	197.44	255.74	0.13	-18.52	-5.69	-
1.145e+04												
		-2.480e+04	-8.82	-0.33	0.0	150.0	197.44	-44.98	0.13	-18.52	-7.25	
4432.67												
						300.0	197.44	-345.70	0.13	-18.52	-8.82	-
2.480e+04												
19	63	7568.45	8.34	-0.08	-601.44	0.0	-38.62	352.40	-0.12	17.89	2.33	-
2.329e+04												
		-2.329e+04	2.33	0.36	0.0	150.0	-38.62	51.68	-0.12	17.89	5.34	
6958.64												
						300.0	-38.62	-249.04	-0.12	17.89	8.34	-
7897.64												
19	64	5686.39	-10.14	0.07	-601.44	0.0	201.38	219.21	0.04	-8.18	-10.14	-
6183.10												
		-3.092e+04	-38.83	-0.29	0.0	150.0	201.38	-81.51	0.04	-8.18	-24.49	
4004.39												
						300.0	201.38	-382.23	0.04	-8.18	-38.83	-
3.092e+04												
19	65	9462.94	39.17	-0.09	-601.44	0.0	-227.80	390.32	-0.03	7.23	7.98	-
2.866e+04												
		-2.866e+04	7.98	0.31	0.0	150.0	-227.80	89.60	-0.03	7.23	23.58	
7477.54												
						300.0	-227.80	-211.12	-0.03	7.23	39.17	-
1496.37												
19	66	4981.40	-4.50	0.06	-601.44	0.0	12.20	257.13	0.13	-18.83	-4.50	-
1.155e+04												
		-2.451e+04	-8.00	-0.34	0.0	150.0	12.20	-43.59	0.13	-18.83	-6.25	
4523.29												
						300.0	12.20	-344.31	0.13	-18.83	-8.00	-
2.451e+04												
19	67	6663.44	3.08	-0.10	-601.44	0.0	-270.08	346.55	-0.17	23.06	3.08	-
2.321e+04												
		-2.321e+04	-53.14	0.42	0.0	150.0	-270.08	45.83	-0.17	23.06	-25.03	
6163.60												
						300.0	-270.08	-254.89	-0.17	23.06	-53.14	-
9572.44												
19	68	6347.57	24.29	0.09	-601.44	0.0	62.36	227.84	0.09	-13.97	-8.51	-
6467.27												
		-2.868e+04	-8.51	-0.38	0.0	150.0	62.36	-72.88	0.09	-13.97	7.89	
4980.68												
						300.0	62.36	-373.60	0.09	-13.97	24.29	-
2.868e+04												
19	69	8171.53	6.35	-0.11	-601.44	0.0	-88.78	381.69	-0.08	13.03	6.35	-
2.837e+04												
		-2.837e+04	-23.95	0.40	0.0	150.0	-88.78	80.97	-0.08	13.03	-8.80	
6501.25												
						300.0	-88.78	-219.75	-0.08	13.03	-23.95	-
3733.12												
19	70	5666.47	53.48	0.07	-601.44	0.0	243.66	262.98	0.18	-24.01	-5.25	-
1.163e+04												
		-2.284e+04	-5.25	-0.40	0.0	150.0	243.66	-37.74	0.18	-24.01	24.12	
5318.33												
						300.0	243.66	-338.46	0.18	-24.01	53.48	-
2.284e+04												
19	71	6549.02	1.89	-0.10	-601.44	0.0	-84.84	345.16	-0.17	23.37	1.89	-
2.311e+04												
		-2.311e+04	-53.96	0.43	0.0	150.0	-84.84	44.44	-0.17	23.37	-26.03	
6072.97												

						300.0	-84.84	-256.28	-0.17	23.37	-53.96	-
9853.42												
19	72	6304.53	23.47	0.09	-601.44	0.0	247.60	226.45	0.09	-13.66	-9.70	-
6367.54												
		-2.896e+04	-9.70	-0.37	0.0	150.0	247.60	-74.27	0.09	-13.66	6.88	
4890.05												
						300.0	247.60	-374.99	0.09	-13.66	23.47	-
2.896e+04												
19	73	8309.75	7.54	-0.11	-601.44	0.0	-274.02	383.08	-0.08	12.72	7.54	-
2.847e+04												
		-2.847e+04	-23.13	0.39	0.0	150.0	-274.02	82.36	-0.08	12.72	-7.79	
6591.88												
						300.0	-274.02	-218.36	-0.08	12.72	-23.13	-
3452.15												
19	74	5733.31	54.30	0.07	-601.44	0.0	58.42	264.37	0.18	-24.32	-4.06	-
1.173e+04												
		-2.256e+04	-4.06	-0.41	0.0	150.0	58.42	-36.35	0.18	-24.32	25.12	
5408.96												
						300.0	58.42	-337.07	0.18	-24.32	54.30	-
2.256e+04												
19	75	5853.90	-4.04	-0.01	-601.44	0.0	-293.43	272.87	-0.14	16.60	-4.04	-
1.242e+04												
		-2.140e+04	-34.26	0.13	0.0	150.0	-293.43	-27.85	-0.14	16.60	-19.15	
5645.41												
						300.0	-293.43	-328.57	-0.14	16.60	-34.26	-
2.140e+04												
19	76	5868.83	-7.13	0.03	-601.44	0.0	-233.77	239.85	-0.10	10.13	-7.13	-
8178.83												
		-2.710e+04	-45.97	-0.03	0.0	150.0	-233.77	-60.87	-0.10	10.13	-26.55	
4912.88												
						300.0	-233.77	-361.59	-0.10	10.13	-45.97	-
2.710e+04												
19	77	7828.39	46.31	-0.05	-601.44	0.0	207.36	369.68	0.10	-11.07	4.97	-
2.666e+04												
		-2.666e+04	4.97	0.05	0.0	150.0	207.36	68.96	0.10	-11.07	25.64	
6569.05												
						300.0	207.36	-231.76	0.10	-11.07	46.31	-
5309.09												
19	78	6196.70	34.60	-0.01	-601.44	0.0	267.02	336.66	0.14	-17.54	1.87	-
2.242e+04												
		-2.242e+04	1.87	-0.11	0.0	150.0	267.02	35.94	0.14	-17.54	18.24	
5836.52												
						300.0	267.02	-264.78	0.14	-17.54	34.60	-
1.102e+04												
19	79	5667.49	-4.14	-0.02	-601.44	0.0	-304.88	271.08	-0.15	17.95	-4.14	-
1.238e+04												
		-2.188e+04	-49.72	0.15	0.0	150.0	-304.88	-29.64	-0.15	17.95	-26.93	
5425.84												
						300.0	-304.88	-330.36	-0.15	17.95	-49.72	-
2.188e+04												
19	80	6022.08	-7.03	0.03	-601.44	0.0	-222.32	241.64	-0.08	8.77	-7.03	-
8224.53												
		-2.662e+04	-30.51	-0.05	0.0	150.0	-222.32	-59.08	-0.08	8.77	-18.77	
5132.45												
						300.0	-222.32	-359.80	-0.08	8.77	-30.51	-
2.662e+04												
19	81	7542.50	30.85	-0.05	-601.44	0.0	195.91	367.89	0.09	-9.72	4.86	-
2.662e+04												
		-2.662e+04	4.86	0.07	0.0	150.0	195.91	67.17	0.09	-9.72	17.86	
6349.48												
						300.0	195.91	-233.55	0.09	-9.72	30.85	-
5793.93												
19	82	6449.43	50.06	-0.01	-601.44	0.0	278.46	338.45	0.16	-18.90	1.98	-
2.246e+04												
		-2.246e+04	1.98	-0.13	0.0	150.0	278.46	37.73	0.16	-18.90	26.02	
6056.09												
						300.0	278.46	-262.99	0.16	-18.90	50.06	-
1.053e+04												
19	83	5669.47	-7.31	-0.01	-601.44	0.0	218.11	269.04	-0.13	17.45	-7.31	-
1.215e+04												
		-2.217e+04	-36.51	0.16	0.0	150.0	218.11	-31.68	-0.13	17.45	-21.91	
5395.49												

						300.0	218.11	-332.40	-0.13	17.45	-36.51	-
2.217e+04												
19	84	5749.89	-10.41	0.03	-601.44	0.0	277.77	236.01	-0.09	10.99	-10.41	-
7904.82												
		-2.788e+04	-48.22	-4.28e-03	0.0	150.0	277.77	-64.71	-0.09	10.99	-29.32	
4662.96												
						300.0	277.77	-365.43	-0.09	10.99	-48.22	-
2.788e+04												
19	85	8209.30	48.56	-0.05	-601.44	0.0	-304.18	373.52	0.10	-11.93	8.25	-
2.693e+04												
		-2.693e+04	8.25	0.02	0.0	150.0	-304.18	72.80	0.10	-11.93	28.41	
6818.97												
						300.0	-304.18	-227.92	0.10	-11.93	48.56	-
4535.23												
19	86	6512.11	36.85	-0.01	-601.44	0.0	-244.52	340.49	0.14	-18.39	5.15	-
2.269e+04												
		-2.269e+04	5.15	-0.14	0.0	150.0	-244.52	39.77	0.14	-18.39	21.00	
6086.44												
						300.0	-244.52	-260.95	0.14	-18.39	36.85	-
1.024e+04												
19	87	5483.06	-7.42	-0.02	-601.44	0.0	206.66	267.24	-0.15	18.81	-7.42	-
1.210e+04												
		-2.265e+04	-51.97	0.18	0.0	150.0	206.66	-33.48	-0.15	18.81	-29.70	
5175.92												
						300.0	206.66	-334.20	-0.15	18.81	-51.97	-
2.265e+04												
19	88	5903.15	-10.30	0.03	-601.44	0.0	289.21	237.81	-0.08	9.63	-10.30	-
7950.51												
		-2.739e+04	-32.76	-0.02	0.0	150.0	289.21	-62.91	-0.08	9.63	-21.53	
4882.53												
						300.0	289.21	-363.63	-0.08	9.63	-32.76	-
2.739e+04												
19	89	7923.41	33.10	-0.05	-601.44	0.0	-315.63	371.72	0.09	-10.57	8.14	-
2.689e+04												
		-2.689e+04	8.14	0.04	0.0	150.0	-315.63	71.00	0.09	-10.57	20.62	
6599.40												
						300.0	-315.63	-229.72	0.09	-10.57	33.10	-
5020.07												
19	90	6764.84	52.31	-0.01	-601.44	0.0	-233.08	342.29	0.15	-19.75	5.26	-
2.274e+04												
		-2.274e+04	5.26	-0.16	0.0	150.0	-233.08	41.57	0.15	-19.75	28.79	
6306.01												
						300.0	-233.08	-259.15	0.15	-19.75	52.31	-
9758.07												
19	91	7298.93	7.61	-0.07	-601.44	0.0	-187.76	345.29	-0.10	14.45	2.73	-
2.235e+04												
		-2.235e+04	2.73	0.29	0.0	150.0	-187.76	44.57	-0.10	14.45	5.17	
6823.31												
						300.0	-187.76	-256.15	-0.10	14.45	7.61	-
9106.46												
19	92	5461.79	-7.59	0.06	-601.44	0.0	11.11	235.20	0.04	-7.10	-7.59	-
8212.91												
		-2.813e+04	-31.44	-0.25	0.0	150.0	11.11	-65.52	0.04	-7.10	-19.52	
4381.53												
						300.0	11.11	-366.24	0.04	-7.10	-31.44	-
2.813e+04												
19	93	8484.06	31.78	-0.08	-601.44	0.0	-37.52	374.33	-0.03	6.15	5.43	-
2.663e+04												
		-2.663e+04	5.43	0.27	0.0	150.0	-37.52	73.61	-0.03	6.15	18.61	
7100.40												
						300.0	-37.52	-227.11	-0.03	6.15	31.78	-
4280.47												
19	94	4982.55	-4.89	0.05	-601.44	0.0	161.34	264.24	0.11	-15.40	-4.89	-
1.248e+04												
		-2.331e+04	-7.27	-0.27	0.0	150.0	161.34	-36.48	0.11	-15.40	-6.08	
4658.62												
						300.0	161.34	-337.20	0.11	-15.40	-7.27	-
2.331e+04												
19	95	7204.31	6.93	-0.07	-601.44	0.0	-34.30	344.14	-0.10	14.71	1.75	-
2.227e+04												
		-2.227e+04	1.75	0.30	0.0	150.0	-34.30	43.42	-0.10	14.71	4.34	
6748.34												

						300.0	-34.30	-257.30	-0.10	14.71	6.93	-
9338.62												
19	96	5426.11	-8.58	0.06	-601.44	0.0	164.57	234.05	0.04	-6.84	-8.58	-
8130.71												
		-2.836e+04	-32.11	-0.24	0.0	150.0	164.57	-66.67	0.04	-6.84	-20.35	
4306.55												
						300.0	164.57	-367.39	0.04	-6.84	-32.11	-
2.836e+04												
19	97	8598.33	32.45	-0.08	-601.44	0.0	-190.99	375.48	-0.03	5.90	6.42	-
2.671e+04												
		-2.671e+04	6.42	0.26	0.0	150.0	-190.99	74.76	-0.03	5.90	19.44	
7175.38												
						300.0	-190.99	-225.96	-0.03	5.90	32.45	-
4048.31												
19	98	5037.87	-3.91	0.05	-601.44	0.0	7.88	265.39	0.11	-15.65	-3.91	-
1.257e+04												
		-2.307e+04	-6.59	-0.28	0.0	150.0	7.88	-35.33	0.11	-15.65	-5.25	
4733.60												
						300.0	7.88	-336.05	0.11	-15.65	-6.59	-
2.307e+04												
19	99	6456.50	2.37	-0.08	-601.44	0.0	-225.92	339.30	-0.14	18.98	2.37	-
2.220e+04												
		-2.220e+04	-43.93	0.35	0.0	150.0	-225.92	38.58	-0.14	18.98	-20.78	
6091.40												
						300.0	-225.92	-262.14	-0.14	18.98	-43.93	-
1.072e+04												
19	100	5972.65	20.10	0.07	-601.44	0.0	49.27	241.19	0.08	-11.63	-7.24	-
8365.22												
		-2.652e+04	-7.24	-0.31	0.0	150.0	49.27	-59.53	0.08	-11.63	6.43	
5113.44												
						300.0	49.27	-360.25	0.08	-11.63	20.10	-
2.652e+04												
19	101	7531.10	5.07	-0.09	-601.44	0.0	-75.69	368.34	-0.07	10.68	5.07	-
2.647e+04												
		-2.647e+04	-19.76	0.33	0.0	150.0	-75.69	67.62	-0.07	10.68	-7.34	
6368.49												
						300.0	-75.69	-233.10	-0.07	10.68	-19.76	-
5896.59												
19	102	5603.93	44.27	0.06	-601.44	0.0	199.50	270.23	0.15	-19.93	-4.53	-
1.264e+04												
		-2.169e+04	-4.53	-0.33	0.0	150.0	199.50	-30.49	0.15	-19.93	19.87	
5390.53												
						300.0	199.50	-331.21	0.15	-19.93	44.27	-
2.169e+04												
19	103	6361.88	1.39	-0.08	-601.44	0.0	-72.46	338.15	-0.14	19.24	1.39	-
2.212e+04												
		-2.212e+04	-44.61	0.36	0.0	150.0	-72.46	37.43	-0.14	19.24	-21.61	
6016.43												
						300.0	-72.46	-263.29	-0.14	19.24	-44.61	-
1.095e+04												
19	104	5936.97	19.42	0.07	-601.44	0.0	202.73	240.04	0.08	-11.37	-8.22	-
8283.02												
		-2.675e+04	-8.22	-0.30	0.0	150.0	202.73	-60.68	0.08	-11.37	5.60	
5038.46												
						300.0	202.73	-361.40	0.08	-11.37	19.42	-
2.675e+04												
19	105	7645.37	6.06	-0.09	-601.44	0.0	-229.15	369.49	-0.07	10.43	6.06	-
2.656e+04												
		-2.656e+04	-19.08	0.32	0.0	150.0	-229.15	68.77	-0.07	10.43	-6.51	
6443.47												
						300.0	-229.15	-231.95	-0.07	10.43	-19.08	-
5664.43												
19	106	5659.25	44.95	0.06	-601.44	0.0	46.04	271.38	0.15	-20.18	-3.55	-
1.272e+04												
		-2.146e+04	-3.55	-0.34	0.0	150.0	46.04	-29.34	0.15	-20.18	20.70	
5465.50												
						300.0	46.04	-330.06	0.15	-20.18	44.95	-
2.146e+04												
20	1	1898.11	1.76	0.02	-136.83	0.0	-6.04	74.97	-0.02	2.95	1.76	-
2369.34												
		-2369.34	-2.57	0.01	0.0	104.0	-6.04	6.56	-0.02	2.95	-0.41	
1868.49												

						207.9	-6.04	-61.86	-0.02	2.95	-2.57	-1006.29
20	2	1.226e+04	7.04	-0.02	-932.16	0.0	-42.95	553.84	-0.09	6.68	7.04	-2.186e+04
		-2.186e+04	-12.06	9.08e-03	0.0	104.0	-42.95	87.76	-0.09	6.68	-2.51	1.149e+04
						207.9	-42.95	-378.32	-0.09	6.68	-12.06	-3613.39
20	3	1264.67	1.25	0.01	-90.24	0.0	-3.95	48.63	-0.01	2.20	1.25	-1454.74
		-1454.74	-1.80	7.75e-03	0.0	104.0	-3.95	3.51	-0.01	2.20	-0.27	1255.70
						207.9	-3.95	-41.61	-0.01	2.20	-1.80	-724.87
20	4	1.164e+04	6.53	-0.02	-885.58	0.0	-40.86	527.50	-0.09	5.93	6.53	-2.095e+04
		-2.095e+04	-11.29	6.78e-03	0.0	104.0	-40.86	84.71	-0.09	5.93	-2.38	1.088e+04
						207.9	-40.86	-358.08	-0.09	5.93	-11.29	-3331.97
20	5	1375.12	1.31	0.01	-98.73	0.0	-4.34	53.74	-0.02	2.24	1.31	-1662.64
		-1662.64	-1.90	7.74e-03	0.0	104.0	-4.34	4.38	-0.02	2.24	-0.30	1358.34
						207.9	-4.34	-44.99	-0.02	2.24	-1.90	-752.68
20	6	8278.39	4.83	-0.01	-628.95	0.0	-28.95	372.99	-0.06	4.73	4.83	-1.466e+04
		-1.466e+04	-8.23	7.10e-03	0.0	104.0	-28.95	58.51	-0.06	4.73	-1.70	7773.43
						207.9	-28.95	-255.96	-0.06	4.73	-8.23	-2490.75
20	7	1375.12	1.31	0.01	-98.73	0.0	-4.34	53.74	-0.02	2.24	1.31	-1662.64
		-1662.64	-1.90	7.74e-03	0.0	104.0	-4.34	4.38	-0.02	2.24	-0.30	1358.34
						207.9	-4.34	-44.99	-0.02	2.24	-1.90	-752.68
20	8	6207.41	3.77	-5.36e-03	-469.88	0.0	-21.57	277.21	-0.05	3.98	3.77	-1.076e+04
		-1.076e+04	-6.33	7.29e-03	0.0	104.0	-21.57	42.27	-0.05	3.98	-1.28	5848.91
						207.9	-21.57	-192.67	-0.05	3.98	-6.33	-1969.33
20	9	1375.12	1.31	0.01	-98.73	0.0	-4.34	53.74	-0.02	2.24	1.31	-1662.64
		-1662.64	-1.90	7.74e-03	0.0	104.0	-4.34	4.38	-0.02	2.24	-0.30	1358.34
						207.9	-4.34	-44.99	-0.02	2.24	-1.90	-752.68
20	10	5517.08	3.42	5.00e-03	-416.86	0.0	-19.11	245.29	-0.04	3.73	3.42	-9459.16
		-9459.16	-5.70	7.35e-03	0.0	104.0	-19.11	36.86	-0.04	3.73	-1.14	5207.40
						207.9	-19.11	-171.57	-0.04	3.73	-5.70	-1795.52
20	11	5156.85	24.71	0.06	-416.86	0.0	-77.44	286.87	-0.26	30.54	24.71	-1.535e+04
		-1.535e+04	-30.59	0.13	0.0	104.0	-77.44	78.44	-0.26	30.54	-2.94	3627.12
						207.9	-77.44	-129.99	-0.26	30.54	-30.59	934.71
20	12	1.937e+04	15.09	-0.12	-416.86	0.0	-26.48	43.09	-0.18	13.16	15.09	-1.893e+04
		-1.548e+04	-21.31	-0.10	0.0	104.0	-26.48	-165.34	-0.18	13.16	-3.11	1.256e+04
						207.9	-26.48	-373.77	-0.18	13.16	-21.31	-1.548e+04
20	13	1.189e+04	9.92	0.13	-416.86	0.0	-11.73	447.49	0.09	-5.69	-8.24	-3.785e+04
		-3.785e+04	-8.24	0.11	0.0	104.0	-11.73	239.06	0.09	-5.69	0.84	-2146.02
						207.9	-11.73	30.63	0.09	-5.69	9.92	

1.189e+04												
20	14	6787.68	19.20	-0.05	-416.86	0.0	39.22	203.71	0.18	-23.07	-17.86	-
3568.37												
		-4525.74	-17.86	-0.11	0.0	104.0	39.22	-4.72	0.18	-23.07	0.67	
6787.68												
						207.9	39.22	-213.15	0.18	-23.07	19.20	-
4525.74												
20	15	5102.21	26.16	0.07	-416.86	0.0	-78.58	285.81	-0.28	32.34	26.16	-
1.525e+04												
		-1.525e+04	-32.27	0.16	0.0	104.0	-78.58	77.38	-0.28	32.34	-3.05	
3613.60												
						207.9	-78.58	-131.05	-0.28	32.34	-32.27	811.52
20	16	1.930e+04	13.63	-0.13	-416.86	0.0	-25.35	44.14	-0.16	11.37	13.63	
1.883e+04												
		-1.535e+04	-19.64	-0.13	0.0	104.0	-25.35	-164.29	-0.16	11.37	-3.00	
1.257e+04												
						207.9	-25.35	-372.72	-0.16	11.37	-19.64	-
1.535e+04												
20	17	1.176e+04	8.25	0.14	-416.86	0.0	-12.87	446.43	0.07	-3.90	-6.79	-
3.775e+04												
		-3.775e+04	-6.79	0.14	0.0	104.0	-12.87	238.00	0.07	-3.90	0.73	-
2159.54												
						207.9	-12.87	29.57	0.07	-3.90	8.25	
1.176e+04												
20	18	6801.19	20.88	-0.06	-416.86	0.0	40.36	204.76	0.19	-24.87	-19.32	-
3664.53												
		-4402.56	-19.32	-0.14	0.0	104.0	40.36	-3.67	0.19	-24.87	0.78	
6801.19												
						207.9	40.36	-212.10	0.19	-24.87	20.88	-
4402.56												
20	19	5037.60	32.85	0.15	-416.86	0.0	-123.20	285.35	-0.37	31.50	32.85	-
1.525e+04												
		-1.525e+04	-45.16	0.50	0.0	104.0	-123.20	76.92	-0.37	31.50	-6.15	
3566.55												
						207.9	-123.20	-131.51	-0.37	31.50	-45.16	717.65
20	20	1.943e+04	23.23	-0.04	-416.86	0.0	-72.24	41.57	-0.29	14.12	23.23	
1.902e+04												
		-1.569e+04	-35.88	0.27	0.0	104.0	-72.24	-166.86	-0.29	14.12	-6.32	
1.250e+04												
						207.9	-72.24	-375.29	-0.29	14.12	-35.88	-
1.569e+04												
20	21	1.210e+04	24.49	0.05	-416.86	0.0	34.02	449.01	0.20	-6.65	-16.39	-
3.794e+04												
		-3.794e+04	-16.39	-0.26	0.0	104.0	34.02	240.58	0.20	-6.65	4.05	-
2085.45												
						207.9	34.02	32.15	0.20	-6.65	24.49	
1.210e+04												
20	22	6848.25	33.76	-0.14	-416.86	0.0	84.98	205.23	0.29	-24.03	-26.01	-
3664.29												
		-4308.68	-26.01	-0.48	0.0	104.0	84.98	-3.20	0.29	-24.03	3.88	
6848.25												
						207.9	84.98	-211.63	0.29	-24.03	33.76	-
4308.68												
20	23	4982.96	34.31	0.15	-416.86	0.0	-124.34	284.29	-0.39	33.30	34.31	-
1.516e+04												
		-1.516e+04	-46.83	0.53	0.0	104.0	-124.34	75.86	-0.39	33.30	-6.26	
3553.04												
						207.9	-124.34	-132.57	-0.39	33.30	-46.83	594.46
20	24	1.936e+04	21.77	-0.04	-416.86	0.0	-71.10	42.62	-0.27	12.33	21.77	
1.893e+04												
		-1.557e+04	-34.20	0.24	0.0	104.0	-71.10	-165.81	-0.27	12.33	-6.21	
1.251e+04												
						207.9	-71.10	-374.24	-0.27	12.33	-34.20	-
1.557e+04												
20	25	1.198e+04	22.81	0.05	-416.86	0.0	32.88	447.95	0.18	-4.86	-14.93	-
3.785e+04												
		-3.785e+04	-14.93	-0.23	0.0	104.0	32.88	239.52	0.18	-4.86	3.94	-
2098.97												
						207.9	32.88	31.09	0.18	-4.86	22.81	
1.198e+04												
20	26	6861.76	35.44	-0.14	-416.86	0.0	86.12	206.28	0.30	-25.83	-27.46	-
3760.46												

		-4185.50	-27.46	-0.51	0.0	104.0	86.12	-2.15	0.30	-25.83	3.99	
6861.76												
						207.9	86.12	-210.58	0.30	-25.83	35.44	-
4185.50												
20	27	2.391e+04	24.40	0.30	-416.86	0.0	-113.89	627.49	-0.25	38.13	24.40	-
6.322e+04												
		-6.322e+04	-27.24	0.39	0.0	104.0	-113.89	419.06	-0.25	38.13	-1.42	-
8816.14												
						207.9	-113.89	210.63	-0.25	38.13	-27.24	
2.391e+04												
20	28	5.105e+04	3.69	-0.31	-416.86	0.0	55.97	-185.11	0.05	-19.79	-7.67	
5.105e+04												
		-3.079e+04	-7.67	-0.37	0.0	104.0	55.97	-393.54	0.05	-19.79	-1.99	
2.096e+04												
						207.9	55.97	-601.97	0.05	-19.79	3.69	-
3.079e+04												
20	29	2.720e+04	14.52	0.32	-416.86	0.0	-94.18	675.68	-0.14	27.26	14.52	-
6.996e+04												
		-6.996e+04	-15.08	0.38	0.0	104.0	-94.18	467.25	-0.14	27.26	-0.28	-
1.055e+04												
						207.9	-94.18	258.82	-0.14	27.26	-15.08	
2.720e+04												
20	30	4.430e+04	15.84	-0.29	-416.86	0.0	75.68	-136.92	0.16	-30.67	-17.56	
4.430e+04												
		-2.750e+04	-17.56	-0.37	0.0	104.0	75.68	-345.35	0.16	-30.67	-0.86	
1.923e+04												
						207.9	75.68	-553.78	0.16	-30.67	15.84	-
2.750e+04												
20	31	2.385e+04	26.84	0.32	-416.86	0.0	-127.62	627.04	-0.28	38.42	26.84	-
6.319e+04												
		-6.319e+04	-31.61	0.50	0.0	104.0	-127.62	418.61	-0.28	38.42	-2.38	-
8834.31												
						207.9	-127.62	210.18	-0.28	38.42	-31.61	
2.385e+04												
20	32	5.108e+04	-0.68	-0.28	-416.86	0.0	42.24	-185.56	0.02	-19.51	-5.23	
5.108e+04												
		-3.086e+04	-5.23	-0.26	0.0	104.0	42.24	-393.99	0.02	-19.51	-2.95	
2.094e+04												
						207.9	42.24	-602.42	0.02	-19.51	-0.68	-
3.086e+04												
20	33	2.726e+04	12.07	0.29	-416.86	0.0	-80.46	676.14	-0.11	26.97	12.07	-
6.999e+04												
		-6.999e+04	-10.71	0.27	0.0	104.0	-80.46	467.71	-0.11	26.97	0.68	-
1.053e+04												
						207.9	-80.46	259.28	-0.11	26.97	-10.71	
2.726e+04												
20	34	4.427e+04	20.21	-0.31	-416.86	0.0	89.40	-136.46	0.19	-30.95	-20.00	
4.427e+04												
		-2.744e+04	-20.00	-0.48	0.0	104.0	89.40	-344.89	0.19	-30.95	0.11	
1.925e+04												
						207.9	89.40	-553.32	0.19	-30.95	20.21	-
2.744e+04												
20	35	2.350e+04	29.25	0.32	-416.86	0.0	-117.69	623.98	-0.30	44.12	29.25	-
6.290e+04												
		-6.290e+04	-32.82	0.48	0.0	104.0	-117.69	415.55	-0.30	44.12	-1.79	-
8861.18												
						207.9	-117.69	207.12	-0.30	44.12	-32.82	
2.350e+04												
20	36	5.073e+04	9.28	-0.33	-416.86	0.0	59.76	-181.59	0.10	-25.78	-12.52	
5.073e+04												
		-3.038e+04	-12.52	-0.46	0.0	104.0	59.76	-390.02	0.10	-25.78	-1.62	
2.101e+04												
						207.9	59.76	-598.45	0.10	-25.78	9.28	-
3.038e+04												
20	37	2.679e+04	19.37	0.34	-416.86	0.0	-97.98	672.16	-0.19	33.25	19.37	-
6.964e+04												
		-6.964e+04	-20.67	0.48	0.0	104.0	-97.98	463.73	-0.19	33.25	-0.65	-
1.059e+04												
						207.9	-97.98	255.30	-0.19	33.25	-20.67	
2.679e+04												
20	38	4.398e+04	21.43	-0.31	-416.86	0.0	79.47	-133.40	0.21	-36.65	-22.41	
4.398e+04												

		-2.709e+04	-22.41	-0.47	0.0	104.0	79.47	-341.83	0.21	-36.65	-0.49	1.928e+04
						207.9	79.47	-550.26	0.21	-36.65	21.43	-2.709e+04
20	39	2.344e+04	31.69	0.34	-416.86	0.0	-131.41	623.52	-0.33	44.41	31.69	-6.287e+04
		-6.287e+04	-37.19	0.60	0.0	104.0	-131.41	415.09	-0.33	44.41	-2.75	-8879.35
						207.9	-131.41	206.66	-0.33	44.41	-37.19	2.344e+04
20	40	5.075e+04	4.91	-0.30	-416.86	0.0	46.03	-182.04	0.07	-25.49	-10.08	5.075e+04
		-3.044e+04	-10.08	-0.35	0.0	104.0	46.03	-390.47	0.07	-25.49	-2.59	2.099e+04
						207.9	46.03	-598.90	0.07	-25.49	4.91	-3.044e+04
20	41	2.685e+04	16.92	0.31	-416.86	0.0	-84.25	672.62	-0.16	32.96	16.92	-6.967e+04
		-6.967e+04	-16.30	0.37	0.0	104.0	-84.25	464.19	-0.16	32.96	0.31	-1.057e+04
						207.9	-84.25	255.76	-0.16	32.96	-16.30	2.685e+04
20	42	4.395e+04	25.80	-0.33	-416.86	0.0	93.20	-132.95	0.24	-36.94	-24.85	4.395e+04
		-2.703e+04	-24.85	-0.58	0.0	104.0	93.20	-341.38	0.24	-36.94	0.47	1.929e+04
						207.9	93.20	-549.81	0.24	-36.94	25.80	-2.703e+04
20	43	5150.25	20.22	0.05	-416.86	0.0	-65.15	278.28	-0.22	24.96	20.22	-1.413e+04
		-1.413e+04	-25.26	0.10	0.0	104.0	-65.15	69.85	-0.22	24.96	-2.52	3954.38
						207.9	-65.15	-138.58	-0.22	24.96	-25.26	371.66
20	44	1.483e+04	12.67	-0.10	-416.86	0.0	-24.97	85.05	-0.15	11.19	12.67	1.304e+04
		-1.264e+04	-18.12	-0.07	0.0	104.0	-24.97	-123.38	-0.15	11.19	-2.73	1.104e+04
						207.9	-24.97	-331.81	-0.15	11.19	-18.12	1.264e+04
20	45	9045.12	6.73	0.11	-416.86	0.0	-13.24	405.52	0.06	-3.72	-5.82	3.196e+04
		-3.196e+04	-5.82	0.09	0.0	104.0	-13.24	197.09	0.06	-3.72	0.45	-620.76
						207.9	-13.24	-11.34	0.06	-3.72	6.73	9045.12
20	46	6460.42	13.87	-0.04	-416.86	0.0	26.94	212.30	0.13	-17.49	-13.37	4785.95
		-4785.95	-13.37	-0.09	0.0	104.0	26.94	3.87	0.13	-17.49	0.25	6460.42
						207.9	26.94	-204.56	0.13	-17.49	13.87	3962.69
20	47	5106.92	21.37	0.05	-416.86	0.0	-66.05	277.44	-0.23	26.39	21.37	1.406e+04
		-1.406e+04	-26.59	0.13	0.0	104.0	-66.05	69.01	-0.23	26.39	-2.61	3943.69
						207.9	-66.05	-139.42	-0.23	26.39	-26.59	273.92
20	48	1.478e+04	11.51	-0.10	-416.86	0.0	-24.08	85.89	-0.14	9.77	11.51	1.296e+04
		-1.254e+04	-16.79	-0.10	0.0	104.0	-24.08	-122.54	-0.14	9.77	-2.64	1.105e+04
						207.9	-24.08	-330.97	-0.14	9.77	-16.79	1.254e+04
20	49	8947.39	5.40	0.11	-416.86	0.0	-14.14	404.69	0.05	-2.30	-4.67	3.188e+04
		-3.188e+04	-4.67	0.11	0.0	104.0	-14.14	196.26	0.05	-2.30	0.36	-631.45
						207.9	-14.14	-12.17	0.05	-2.30	5.40	8947.39
20	50	6471.10	15.20	-0.04	-416.86	0.0	27.83	213.14	0.14	-18.92	-14.53	4862.31
		-4862.31	-14.53	-0.11	0.0	104.0	27.83	4.71	0.14	-18.92	0.34	6471.10

						207.9	27.83	-203.72	0.14	-18.92	15.20	-	3864.96
20	51	5055.53	26.68	0.12	-416.86	0.0	-101.41	277.07	-0.30	25.72	26.68	-	1.406e+04
		-1.406e+04	-36.82	0.40	0.0	104.0	-101.41	68.64	-0.30	25.72	-5.07		3906.14
						207.9	-101.41	-139.79	-0.30	25.72	-36.82	199.48	
20	52	1.486e+04	19.13	-0.03	-416.86	0.0	-61.24	83.85	-0.24	11.95	19.13		1.311e+04
		-1.281e+04	-29.67	0.22	0.0	104.0	-61.24	-124.58	-0.24	11.95	-5.27		1.099e+04
						207.9	-61.24	-333.01	-0.24	11.95	-29.67	-	1.281e+04
20	53	9217.29	18.28	0.04	-416.86	0.0	23.02	406.73	0.15	-4.48	-12.28	-	3.203e+04
		-3.203e+04	-12.28	-0.20	0.0	104.0	23.02	198.30	0.15	-4.48	3.00	-	572.52
						207.9	23.02	-10.13	0.15	-4.48	18.28		9217.29
20	54	6508.66	25.42	-0.11	-416.86	0.0	63.20	213.50	0.22	-18.25	-19.83	-	4861.63
		-4861.63	-19.83	-0.38	0.0	104.0	63.20	5.07	0.22	-18.25	2.79		6508.66
						207.9	63.20	-203.36	0.22	-18.25	25.42	-	3790.52
20	55	5012.20	27.83	0.12	-416.86	0.0	-102.31	276.23	-0.32	27.14	27.83	-	1.398e+04
		-1.398e+04	-38.15	0.42	0.0	104.0	-102.31	67.80	-0.32	27.14	-5.16		3895.45
						207.9	-102.31	-140.63	-0.32	27.14	-38.15	101.75	
20	56	1.481e+04	17.97	-0.03	-416.86	0.0	-60.34	84.68	-0.22	10.53	17.97		1.304e+04
		-1.271e+04	-28.34	0.19	0.0	104.0	-60.34	-123.75	-0.22	10.53	-5.19		1.100e+04
						207.9	-60.34	-332.18	-0.22	10.53	-28.34	-	1.271e+04
20	57	9119.56	16.95	0.04	-416.86	0.0	22.13	405.89	0.14	-3.06	-11.13	-	3.196e+04
		-3.196e+04	-11.13	-0.18	0.0	104.0	22.13	197.46	0.14	-3.06	2.91	-	583.20
						207.9	22.13	-10.97	0.14	-3.06	16.95		9119.56
20	58	6519.35	26.75	-0.11	-416.86	0.0	64.09	214.34	0.23	-19.68	-20.99	-	4938.00
		-4938.00	-20.99	-0.40	0.0	104.0	64.09	5.91	0.23	-19.68	2.88		6519.35
						207.9	64.09	-202.52	0.23	-19.68	26.75	-	3692.79
20	59	1.858e+04	19.91	0.24	-416.86	0.0	-93.86	548.24	-0.20	30.99	19.91	-	5.207e+04
		-5.207e+04	-22.40	0.31	0.0	104.0	-93.86	339.81	-0.20	30.99	-1.24	-	5908.29
						207.9	-93.86	131.38	-0.20	30.99	-22.40		1.858e+04
20	60	3.850e+04	1.41	-0.24	-416.86	0.0	40.07	-95.84	0.03	-14.92	-5.26		3.850e+04
		-2.478e+04	-5.26	-0.29	0.0	104.0	40.07	-304.27	0.03	-14.92	-1.92		1.770e+04
						207.9	40.07	-512.70	0.03	-14.92	1.41	-	2.478e+04
20	61	2.119e+04	12.10	0.25	-416.86	0.0	-78.29	586.42	-0.12	22.38	12.10	-	5.742e+04
		-5.742e+04	-12.80	0.30	0.0	104.0	-78.29	377.99	-0.12	22.38	-0.35	-	7280.83
						207.9	-78.29	169.56	-0.12	22.38	-12.80		2.119e+04
20	62	3.315e+04	11.01	-0.23	-416.86	0.0	55.64	-57.67	0.11	-23.52	-13.07		3.315e+04
		-2.217e+04	-13.07	-0.29	0.0	104.0	55.64	-266.10	0.11	-23.52	-1.03		1.632e+04
						207.9	55.64	-474.53	0.11	-23.52	11.01	-	2.217e+04

20	63	1.853e+04	21.85	0.26	-416.86	0.0	-104.74	547.88	-0.23	31.22	21.85	-5.205e+04
		-5.205e+04	-25.87	0.40	0.0	104.0	-104.74	339.45	-0.23	31.22	-2.01	-5922.77
						207.9	-104.74	131.02	-0.23	31.22	-25.87	1.853e+04
20	64	3.852e+04	-2.05	-0.22	-416.86	0.0	29.19	-96.21	3.69e-03	-14.69	-3.32	3.852e+04
		-2.483e+04	-3.32	-0.20	0.0	104.0	29.19	-304.64	3.69e-03	-14.69	-2.69	1.768e+04
						207.9	29.19	-513.07	3.69e-03	-14.69	-2.05	-2.483e+04
20	65	2.124e+04	10.16	0.23	-416.86	0.0	-67.41	586.78	-0.09	22.16	10.16	-5.744e+04
		-5.744e+04	-9.34	0.22	0.0	104.0	-67.41	378.35	-0.09	22.16	0.41	-7266.36
						207.9	-67.41	169.92	-0.09	22.16	-9.34	2.124e+04
20	66	3.313e+04	14.47	-0.25	-416.86	0.0	66.52	-57.31	0.14	-23.75	-15.01	3.313e+04
		-2.212e+04	-15.01	-0.38	0.0	104.0	66.52	-265.74	0.14	-23.75	-0.27	1.634e+04
						207.9	66.52	-474.17	0.14	-23.75	14.47	-2.212e+04
20	67	1.826e+04	23.76	0.25	-416.86	0.0	-96.83	545.45	-0.24	35.74	23.76	-5.181e+04
		-5.181e+04	-26.84	0.39	0.0	104.0	-96.83	337.02	-0.24	35.74	-1.54	-5943.91
						207.9	-96.83	128.59	-0.24	35.74	-26.84	1.826e+04
20	68	3.824e+04	5.85	-0.26	-416.86	0.0	43.04	-93.05	0.07	-19.66	-9.11	3.824e+04
		-2.445e+04	-9.11	-0.37	0.0	104.0	43.04	-301.48	0.07	-19.66	-1.63	1.773e+04
						207.9	43.04	-509.91	0.07	-19.66	5.85	-2.445e+04
20	69	2.086e+04	15.95	0.27	-416.86	0.0	-81.26	583.63	-0.16	27.13	15.95	-5.716e+04
		-5.716e+04	-17.24	0.38	0.0	104.0	-81.26	375.20	-0.16	27.13	-0.64	-7316.45
						207.9	-81.26	166.77	-0.16	27.13	-17.24	2.086e+04
20	70	3.290e+04	15.44	-0.24	-416.86	0.0	58.62	-54.88	0.15	-28.27	-16.92	3.290e+04
		-2.185e+04	-16.92	-0.37	0.0	104.0	58.62	-263.31	0.15	-28.27	-0.74	1.636e+04
						207.9	58.62	-471.74	0.15	-28.27	15.44	-2.185e+04
20	71	1.821e+04	25.70	0.27	-416.86	0.0	-107.71	545.09	-0.27	35.96	25.70	-5.179e+04
		-5.179e+04	-30.30	0.47	0.0	104.0	-107.71	336.66	-0.27	35.96	-2.30	-5958.38
						207.9	-107.71	128.23	-0.27	35.96	-30.30	1.821e+04
20	72	3.827e+04	2.38	-0.24	-416.86	0.0	32.17	-93.41	0.04	-19.43	-7.17	3.827e+04
		-2.450e+04	-7.17	-0.28	0.0	104.0	32.17	-301.84	0.04	-19.43	-2.39	1.772e+04
						207.9	32.17	-510.27	0.04	-19.43	2.38	-2.450e+04
20	73	2.091e+04	14.01	0.25	-416.86	0.0	-70.38	583.99	-0.13	26.90	14.01	-5.718e+04
		-5.718e+04	-13.77	0.29	0.0	104.0	-70.38	375.56	-0.13	26.90	0.12	-7301.98
						207.9	-70.38	167.13	-0.13	26.90	-13.77	2.091e+04
20	74	3.287e+04	18.91	-0.26	-416.86	0.0	69.50	-54.52	0.18	-28.49	-18.86	3.287e+04
		-2.180e+04	-18.86	-0.46	0.0	104.0	69.50	-262.95	0.18	-28.49	0.03	1.637e+04
						207.9	69.50	-471.38	0.18	-28.49	18.91	-2.180e+04

20	75	5159.34	17.31	0.04	-416.86	0.0	-57.17	272.55	-0.19	21.28	17.31	-1.332e+04
		-1.332e+04	-21.88	0.09	0.0	104.0	-57.17	64.12	-0.19	21.28	-2.29	4171.98
						207.9	-57.17	-144.31	-0.19	21.28	-21.88	-4.65
20	76	1.229e+04	11.07	-0.08	-416.86	0.0	-23.95	112.86	-0.13	9.90	11.07	9132.78
		-1.075e+04	-15.97	-0.06	0.0	104.0	-23.95	-95.57	-0.13	9.90	-2.45	1.002e+04
						207.9	-23.95	-304.00	-0.13	9.90	-15.97	-1.075e+04
20	77	7501.87	4.58	0.09	-416.86	0.0	-14.26	377.71	0.04	-2.43	-4.22	-2.805e+04
		-2.805e+04	-4.22	0.08	0.0	104.0	-14.26	169.28	0.04	-2.43	0.18	390.88
						207.9	-14.26	-39.15	0.04	-2.43	4.58	7163.38
20	78	6242.81	10.49	-0.03	-416.86	0.0	18.95	218.03	0.10	-13.81	-10.47	-5597.46
		-5597.46	-10.47	-0.07	0.0	104.0	18.95	9.60	0.10	-13.81	0.01	6242.81
						207.9	18.95	-198.83	0.10	-13.81	10.49	-3586.39
20	79	5132.52	18.27	0.04	-416.86	0.0	-57.91	271.86	-0.20	22.46	18.27	-1.326e+04
		-1.326e+04	-22.98	0.11	0.0	104.0	-57.91	63.43	-0.20	22.46	-2.36	4163.15
						207.9	-57.91	-145.00	-0.20	22.46	-22.98	-85.41
20	80	1.226e+04	10.11	-0.08	-416.86	0.0	-23.22	113.56	-0.12	8.72	10.11	9069.68
		-1.067e+04	-14.87	-0.08	0.0	104.0	-23.22	-94.87	-0.12	8.72	-2.38	1.003e+04
						207.9	-23.22	-303.30	-0.12	8.72	-14.87	-1.067e+04
20	81	7438.99	3.48	0.09	-416.86	0.0	-15.00	377.02	0.03	-1.26	-3.27	-2.799e+04
		-2.799e+04	-3.27	0.09	0.0	104.0	-15.00	168.59	0.03	-1.26	0.10	382.05
						207.9	-15.00	-39.84	0.03	-1.26	3.48	7082.62
20	82	6251.64	11.59	-0.03	-416.86	0.0	19.69	218.72	0.11	-14.99	-11.42	-5660.56
		-5660.56	-11.42	-0.09	0.0	104.0	19.69	10.29	0.11	-14.99	0.08	6251.64
						207.9	19.69	-198.14	0.11	-14.99	11.59	-3505.63
20	83	5093.86	22.65	0.10	-416.86	0.0	-87.14	271.55	-0.26	21.91	22.65	-1.326e+04
		-1.326e+04	-31.42	0.33	0.0	104.0	-87.14	63.12	-0.26	21.91	-4.39	4132.11
						207.9	-87.14	-145.31	-0.26	21.91	-31.42	-146.93
20	84	1.230e+04	16.40	-0.03	-416.86	0.0	-53.92	111.87	-0.20	10.53	16.40	9195.32
		-1.090e+04	-25.51	0.18	0.0	104.0	-53.92	-96.56	-0.20	10.53	-4.55	9984.04
						207.9	-53.92	-304.99	-0.20	10.53	-25.51	-1.090e+04
20	85	7631.35	14.12	0.03	-416.86	0.0	15.70	378.70	0.11	-3.06	-9.56	-2.811e+04
		-2.811e+04	-9.56	-0.17	0.0	104.0	15.70	170.27	0.11	-3.06	2.28	430.75
						207.9	15.70	-38.16	0.11	-3.06	14.12	7305.67
20	86	6282.69	20.03	-0.09	-416.86	0.0	48.92	219.02	0.17	-14.44	-15.80	-5659.99
		-5659.99	-15.80	-0.31	0.0	104.0	48.92	10.59	0.17	-14.44	2.11	6282.69
						207.9	48.92	-197.84	0.17	-14.44	20.03	-3444.10
20	87	5067.04	23.60	0.10	-416.86	0.0	-87.87	270.86	-0.27	23.08	23.60	-1.320e+04
		-1.320e+04	-32.52	0.35	0.0	104.0	-87.87	62.43	-0.27	23.08	-4.46	4123.28
						207.9	-87.87	-146.00	-0.27	23.08	-32.52	-

227.69												
20	88	1.227e+04	15.45	-0.03	-416.86	0.0	-53.18	112.56	-0.19	9.35	15.45	
9132.22												
		-1.082e+04	-24.41	0.16	0.0	104.0	-53.18	-95.87	-0.19	9.35	-4.48	
9992.87												
						207.9	-53.18	-304.30	-0.19	9.35	-24.41	-
1.082e+04												
20	89	7559.58	13.02	0.04	-416.86	0.0	14.97	378.01	0.10	-1.88	-8.60	-
2.805e+04												
		-2.805e+04	-8.60	-0.15	0.0	104.0	14.97	169.58	0.10	-1.88	2.21421.92	
						207.9	14.97	-38.85	0.10	-1.88	13.02	
7224.91												
20	90	6291.52	21.13	-0.09	-416.86	0.0	49.66	219.71	0.18	-15.62	-16.76	-
5723.09												
		-5723.09	-16.76	-0.33	0.0	104.0	49.66	11.28	0.18	-15.62	2.19	
6291.52												
						207.9	49.66	-197.15	0.18	-15.62	21.13	-
3363.34												
20	91	1.505e+04	17.06	0.20	-416.86	0.0	-80.90	495.65	-0.17	26.26	17.06	-
4.467e+04												
		-4.467e+04	-19.52	0.26	0.0	104.0	-80.90	287.22	-0.17	26.26	-1.23	-
3978.67												
						207.9	-80.90	78.79	-0.17	26.26	-19.52	
1.505e+04												
20	92	3.017e+04	0.19	-0.20	-416.86	0.0	29.81	-36.63	0.02	-11.68	-3.76	
3.017e+04												
		-2.079e+04	-3.76	-0.24	0.0	104.0	29.81	-245.06	0.02	-11.68	-1.78	
1.553e+04												
						207.9	29.81	-453.49	0.02	-11.68	0.19	-
2.079e+04												
20	93	1.720e+04	10.60	0.21	-416.86	0.0	-68.03	527.20	-0.10	19.15	10.60	-
4.909e+04												
		-4.909e+04	-11.59	0.25	0.0	104.0	-68.03	318.77	-0.10	19.15	-0.49	-
5113.00												
						207.9	-68.03	110.34	-0.10	19.15	-11.59	
1.720e+04												
20	94	2.575e+04	8.13	-0.19	-416.86	0.0	42.68	-5.08	0.09	-18.79	-10.22	
2.575e+04												
		-1.864e+04	-10.22	-0.24	0.0	104.0	42.68	-213.51	0.09	-18.79	-1.04	
1.439e+04												
						207.9	42.68	-421.94	0.09	-18.79	8.13	-
1.864e+04												
20	95	1.500e+04	18.66	0.21	-416.86	0.0	-89.89	495.35	-0.20	26.45	18.66	-
4.465e+04												
		-4.465e+04	-22.38	0.33	0.0	104.0	-89.89	286.92	-0.20	26.45	-1.86	-
3990.63												
						207.9	-89.89	78.49	-0.20	26.45	-22.38	
1.500e+04												
20	96	3.019e+04	-2.16	-0.18	-416.86	0.0	20.82	-36.93	-4.45e-03	-11.49	-2.16	
3.019e+04												
		-2.083e+04	-2.67	-0.17	0.0	104.0	20.82	-245.36	-4.45e-03	-11.49	-2.41	
1.552e+04												
						207.9	20.82	-453.79	-4.45e-03	-11.49	-2.67	-
2.083e+04												
20	97	1.724e+04	9.00	0.19	-416.86	0.0	-59.04	527.50	-0.08	18.96	9.00	-
4.911e+04												
		-4.911e+04	-8.72	0.18	0.0	104.0	-59.04	319.07	-0.08	18.96	0.14	-
5101.03												
						207.9	-59.04	110.64	-0.08	18.96	-8.72	
1.724e+04												
20	98	2.574e+04	10.99	-0.20	-416.86	0.0	51.67	-4.78	0.11	-18.98	-11.82	
2.574e+04												
		-1.859e+04	-11.82	-0.31	0.0	104.0	51.67	-213.21	0.11	-18.98	-0.41	
1.441e+04												
						207.9	51.67	-421.64	0.11	-18.98	10.99	-
1.859e+04												
20	99	1.478e+04	20.24	0.21	-416.86	0.0	-83.36	493.35	-0.21	30.18	20.24	-
4.446e+04												
		-4.446e+04	-23.19	0.32	0.0	104.0	-83.36	284.91	-0.21	30.18	-1.47	-
4008.10												
						207.9	-83.36	76.49	-0.21	30.18	-23.19	
1.478e+04												

20	100	2.996e+04	3.86	-0.21	-416.86	0.0	32.27	-34.32	0.05	-15.60	-6.94	2.996e+04
		-2.052e+04	-6.94	-0.30	0.0	104.0	32.27	-242.75	0.05	-15.60	-1.54	1.556e+04
						207.9	32.27	-451.18	0.05	-15.60	3.86	-2.052e+04
20	101	1.693e+04	13.78	0.22	-416.86	0.0	-70.49	524.89	-0.14	23.07	13.78	-4.888e+04
		-4.888e+04	-15.25	0.32	0.0	104.0	-70.49	316.46	-0.14	23.07	-0.73	-5142.43
						207.9	-70.49	108.03	-0.14	23.07	-15.25	1.693e+04
20	102	2.554e+04	11.79	-0.20	-416.86	0.0	45.14	-2.77	0.12	-22.71	-13.40	2.554e+04
		-1.837e+04	-13.40	-0.31	0.0	104.0	45.14	-211.20	0.12	-22.71	-0.80	1.442e+04
						207.9	45.14	-419.63	0.12	-22.71	11.79	-1.837e+04
20	103	1.473e+04	21.84	0.23	-416.86	0.0	-92.35	493.05	-0.23	30.37	21.84	-4.444e+04
		-4.444e+04	-26.05	0.39	0.0	104.0	-92.35	284.62	-0.23	30.37	-2.10	-4020.06
						207.9	-92.35	76.19	-0.23	30.37	-26.05	1.473e+04
20	104	2.998e+04	0.99	-0.20	-416.86	0.0	23.28	-34.62	0.03	-15.41	-5.34	2.998e+04
		-2.056e+04	-5.34	-0.23	0.0	104.0	23.28	-243.05	0.03	-15.41	-2.17	1.555e+04
						207.9	23.28	-451.48	0.03	-15.41	0.99	-2.056e+04
20	105	1.697e+04	12.18	0.21	-416.86	0.0	-61.50	525.19	-0.12	22.88	12.18	-4.890e+04
		-4.890e+04	-12.39	0.24	0.0	104.0	-61.50	316.76	-0.12	22.88	-0.10	-5130.47
						207.9	-61.50	108.33	-0.12	22.88	-12.39	1.697e+04
20	106	2.552e+04	14.66	-0.22	-416.86	0.0	54.13	-2.47	0.14	-22.90	-15.00	2.552e+04
		-1.832e+04	-15.00	-0.38	0.0	104.0	54.13	-210.90	0.14	-22.90	-0.17	1.443e+04
						207.9	54.13	-419.33	0.14	-22.90	14.66	-1.832e+04
23	1	-3560.46	68.43	3.83e-03	-43.08	0.0	-42.20	32.79	1.44	3.44	-25.62	-4377.20
		-4377.20	-25.62	4.12e-03	0.0	32.7	-42.20	11.25	1.44	3.44	21.41	-3656.46
						65.5	-42.20	-10.29	1.44	3.44	68.43	-3640.71
23	2	-1.394e+04	321.82	0.02	-293.47	0.0	-74.07	438.50	6.49	3.74	-103.14	-3.304e+04
		-3.304e+04	-103.14	8.04e-03	0.0	32.7	-74.07	291.76	6.49	3.74	109.34	-2.109e+04
						65.5	-74.07	145.03	6.49	3.74	321.82	-1.394e+04
23	3	-2470.63	47.86	2.68e-03	-28.41	0.0	-31.86	17.57	1.01	2.64	-18.24	-2826.07
		-2826.07	-18.24	3.09e-03	0.0	32.7	-31.86	3.36	1.01	2.64	14.81	-2483.60
						65.5	-31.86	-10.85	1.01	2.64	47.86	-2606.09
23	4	-1.291e+04	301.24	0.02	-278.81	0.0	-63.73	423.28	6.06	2.94	-95.77	-3.149e+04
		-3.149e+04	-95.77	7.02e-03	0.0	32.7	-63.73	283.87	6.06	2.94	102.74	-1.992e+04
						65.5	-63.73	144.47	6.06	2.94	301.24	-1.291e+04
23	5	-2627.38	50.56	2.83e-03	-31.08	0.0	-32.20	21.89	1.06	2.64	-19.07	-3131.86
		-3131.86	-19.07	3.13e-03	0.0	32.7	-32.20	6.35	1.06	2.64	15.75	-2669.59
						65.5	-32.20	-9.19	1.06	2.64	50.56	-2716.00

23	6	-9585.42	219.48	0.01	-198.01	0.0	-53.44	292.37	4.43	2.84	-70.75	-2.224e+04
		-2.224e+04	-70.75	5.75e-03	0.0	32.7	-53.44	193.36	4.43	2.84	74.37	-1.429e+04
						65.5	-53.44	94.35	4.43	2.84	219.48	-9585.42
23	7	-2627.38	50.56	2.83e-03	-31.08	0.0	-32.20	21.89	1.06	2.64	-19.07	-3131.86
		-3131.86	-19.07	3.13e-03	0.0	32.7	-32.20	6.35	1.06	2.64	15.75	-2669.59
						65.5	-32.20	-9.19	1.06	2.64	50.56	-2716.00
23	8	-7524.60	168.81	9.49e-03	-147.93	0.0	-47.07	211.23	3.42	2.78	-55.25	-1.651e+04
		-1.651e+04	-55.25	4.97e-03	0.0	32.7	-47.07	137.26	3.42	2.78	56.78	-1.081e+04
						65.5	-47.07	63.29	3.42	2.78	168.81	-7524.60
23	9	-2627.38	50.56	2.83e-03	-31.08	0.0	-32.20	21.89	1.06	2.64	-19.07	-3131.86
		-3131.86	-19.07	3.13e-03	0.0	32.7	-32.20	6.35	1.06	2.64	15.75	-2669.59
						65.5	-32.20	-9.19	1.06	2.64	50.56	-2716.00
23	10	-6837.65	151.91	8.54e-03	-131.24	0.0	-44.95	184.18	3.09	2.76	-50.08	-1.460e+04
		-1.460e+04	-50.08	4.71e-03	0.0	32.7	-44.95	118.56	3.09	2.76	50.92	-9644.31
						65.5	-44.95	52.94	3.09	2.76	151.91	-6837.65
23	11	4.211e+04	679.82	0.03	-131.24	0.0	-992.91	-1301.61	15.23	63.73	-307.98	4.211e+04
		-4.785e+04	-307.98	0.06	0.0	32.7	-992.91	-1367.23	15.23	63.73	185.92	-1793.61
						65.5	-992.91	-1432.85	15.23	63.73	679.82	-4.785e+04
23	12	5338.88	893.32	-0.02	-131.24	0.0	-302.45	-218.71	19.26	2.56	-377.48	5338.88
		-1.366e+04	-377.48	-0.01	0.0	32.7	-302.45	-284.33	19.26	2.56	257.92	-3089.01
						65.5	-302.45	-349.95	19.26	2.56	893.32	-1.366e+04
23	13	-10.54	277.32	0.03	-131.24	0.0	212.56	587.06	-13.09	2.97	277.32	-3.454e+04
		-3.454e+04	-589.49	0.02	0.0	32.7	212.56	521.44	-13.09	2.97	-156.08	-1.620e+04
						65.5	212.56	455.82	-13.09	2.97	-589.49	-10.54
23	14	3.417e+04	207.82	-9.96e-03	-131.24	0.0	903.02	1669.97	-9.06	-58.21	207.82	-7.131e+04
		-7.131e+04	-375.99	-0.05	0.0	32.7	903.02	1604.35	-9.06	-58.21	-84.08	-1.750e+04
						65.5	903.02	1538.73	-9.06	-58.21	-375.99	-3.417e+04
23	15	4.383e+04	694.00	0.03	-131.24	0.0	-1034.84	-1346.96	15.33	65.52	-297.64	4.383e+04
		-4.910e+04	-297.64	0.06	0.0	32.7	-1034.84	-1412.58	15.33	65.52	198.18	-1562.11
						65.5	-1034.84	-1478.20	15.33	65.52	694.00	-4.910e+04
23	16	3621.82	879.14	-0.02	-131.24	0.0	-260.52	-173.36	19.16	0.77	-387.82	3621.82
		-1.241e+04	-387.82	-0.01	0.0	32.7	-260.52	-238.98	19.16	0.77	245.66	-3320.51
						65.5	-260.52	-304.60	19.16	0.77	879.14	-1.241e+04
23	17	-1264.61	287.66	0.03	-131.24	0.0	170.63	541.72	-12.99	4.75	287.66	-3.282e+04
		-3.282e+04	-575.31	0.02	0.0	32.7	170.63	476.10	-12.99	4.75	-143.82	-1.597e+04
						65.5	170.63	410.48	-12.99	4.75	-575.31	-1264.61
23	18	3.543e+04	197.49	-9.90e-03	-131.24	0.0	944.95	1715.31	-9.16	-59.99	197.49	-

7.303e+04												
		-7.303e+04	-390.17	-0.05	0.0	32.7	944.95	1649.69	-9.16	-59.99	-96.34	-
1.773e+04												
						65.5	944.95	1584.07	-9.16	-59.99	-390.17	
3.543e+04												
23	19	4.285e+04	716.13	0.03	-131.24	0.0	-1009.57	-1317.86	16.03	63.70	-323.74	
4.285e+04												
		-4.819e+04	-323.74	0.06	0.0	32.7	-1009.57	-1383.48	16.03	63.70	196.20	-
1594.61												
						65.5	-1009.57	-1449.10	16.03	63.70	716.13	-
4.819e+04												
23	20	6072.80	929.63	-0.02	-131.24	0.0	-319.10	-234.95	20.05	2.52	-393.24	
6072.80												
		-1.400e+04	-393.24	-0.01	0.0	32.7	-319.10	-300.57	20.05	2.52	268.20	-
2890.00												
						65.5	-319.10	-366.19	20.05	2.52	929.63	-
1.400e+04												
23	21	325.37	293.08	0.03	-131.24	0.0	229.21	603.31	-13.88	3.00	293.08	-
3.527e+04												
		-3.527e+04	-625.80	0.02	0.0	32.7	229.21	537.69	-13.88	3.00	-166.36	-
1.640e+04												
						65.5	229.21	472.07	-13.88	3.00	-625.80	325.37
23	22	3.451e+04	223.58	-9.55e-03	-131.24	0.0	919.68	1686.21	-9.86	-58.17	223.58	-
7.205e+04												
		-7.205e+04	-412.30	-0.05	0.0	32.7	919.68	1620.59	-9.86	-58.17	-94.36	-
1.769e+04												
						65.5	919.68	1554.97	-9.86	-58.17	-412.30	
3.451e+04												
23	23	4.457e+04	730.31	0.03	-131.24	0.0	-1051.50	-1363.20	16.13	65.49	-313.40	
4.457e+04												
		-4.944e+04	-313.40	0.06	0.0	32.7	-1051.50	-1428.82	16.13	65.49	208.45	-
1363.11												
						65.5	-1051.50	-1494.44	16.13	65.49	730.31	-
4.944e+04												
23	24	4355.74	915.45	-0.02	-131.24	0.0	-277.18	-189.60	19.96	0.74	-403.57	
4355.74												
		-1.275e+04	-403.57	-0.01	0.0	32.7	-277.18	-255.23	19.96	0.74	255.94	-
3121.50												
						65.5	-277.18	-320.85	19.96	0.74	915.45	-
1.275e+04												
23	25	-928.70	303.42	0.03	-131.24	0.0	187.29	557.96	-13.79	4.79	303.42	-
3.355e+04												
		-3.355e+04	-611.62	0.02	0.0	32.7	187.29	492.34	-13.79	4.79	-154.10	-
1.617e+04												
						65.5	187.29	426.72	-13.79	4.79	-611.62	-
928.70												
23	26	3.576e+04	213.24	-9.49e-03	-131.24	0.0	961.60	1731.56	-9.95	-59.96	213.24	-
7.376e+04												
		-7.376e+04	-426.48	-0.05	0.0	32.7	961.60	1665.94	-9.95	-59.96	-106.62	-
1.793e+04												
						65.5	961.60	1600.32	-9.95	-59.96	-426.48	
3.576e+04												
23	27	5.819e+04	-13.52	0.08	-131.24	0.0	-1376.54	-1903.96	0.62	113.84	-22.04	
5.819e+04												
		-7.099e+04	-22.04	0.13	0.0	32.7	-1376.54	-1969.59	0.62	113.84	-17.78	-
5324.41												
						65.5	-1376.54	-2035.21	0.62	113.84	-13.52	-
7.099e+04												
23	28	4.296e+04	698.14	-0.06	-131.24	0.0	925.01	1705.72	14.04	-90.08	-253.71	-
6.439e+04												
		-6.439e+04	-253.71	-0.11	0.0	32.7	925.01	1640.10	14.04	-90.08	222.21	-
9642.41												
						65.5	925.01	1574.48	14.04	-90.08	698.14	
4.296e+04												
23	29	3.520e+04	153.55	0.08	-131.24	0.0	-1014.90	-1337.36	-7.87	95.61	153.55	
3.520e+04												
		-5.664e+04	-394.31	0.12	0.0	32.7	-1014.90	-1402.98	-7.87	95.61	-120.38	-
9646.21												
						65.5	-1014.90	-1468.60	-7.87	95.61	-394.31	-
5.664e+04												
23	30	5.731e+04	317.35	-0.06	-131.24	0.0	1286.65	2272.32	5.55	-108.31	-78.12	-
8.739e+04												

		-8.739e+04	-78.12	-0.12	0.0	32.7	1286.65	2206.70	5.55	-108.31	119.61	-1.396e+04
						65.5	1286.65	2141.08	5.55	-108.31	317.35	5.731e+04
23	31	5.841e+04	-2.63	0.08	-131.24	0.0	-1381.54	-1908.84	0.86	113.83	-26.76	5.841e+04
		-7.109e+04	-26.76	0.13	0.0	32.7	-1381.54	-1974.46	0.86	113.83	-14.70	-5264.71
						65.5	-1381.54	-2040.08	0.86	113.83	-2.63	-7.109e+04
23	32	4.286e+04	709.03	-0.06	-131.24	0.0	920.01	1700.85	14.28	-90.09	-258.44	-6.417e+04
		-6.417e+04	-258.44	-0.11	0.0	32.7	920.01	1635.22	14.28	-90.09	225.30	-9582.71
						65.5	920.01	1569.60	14.28	-90.09	709.03	4.286e+04
23	33	3.498e+04	158.28	0.08	-131.24	0.0	-1009.90	-1332.49	-8.11	95.62	158.28	3.498e+04
		-5.654e+04	-405.21	0.12	0.0	32.7	-1009.90	-1398.11	-8.11	95.62	-123.46	-9705.91
						65.5	-1009.90	-1463.73	-8.11	95.62	-405.21	-5.654e+04
23	34	5.741e+04	306.46	-0.06	-131.24	0.0	1291.65	2277.19	5.31	-108.30	-73.39	-8.761e+04
		-8.761e+04	-73.39	-0.12	0.0	32.7	1291.65	2211.57	5.31	-108.30	116.53	-1.402e+04
						65.5	1291.65	2145.95	5.31	-108.30	306.46	5.741e+04
23	35	6.391e+04	33.75	0.08	-131.24	0.0	-1516.30	-2055.12	0.95	119.79	12.41	6.391e+04
		-7.517e+04	12.41	0.14	0.0	32.7	-1516.30	-2120.74	0.95	119.79	23.08	-4552.76
						65.5	-1516.30	-2186.36	0.95	119.79	33.75	-7.517e+04
23	36	4.714e+04	650.87	-0.06	-131.24	0.0	1064.76	1856.87	13.72	-96.04	-288.16	-7.012e+04
		-7.012e+04	-288.16	-0.12	0.0	32.7	1064.76	1791.25	13.72	-96.04	181.36	-1.041e+04
						65.5	1064.76	1725.63	13.72	-96.04	650.87	4.714e+04
23	37	4.092e+04	188.00	0.08	-131.24	0.0	-1154.66	-1488.51	-7.55	101.56	188.00	4.092e+04
		-6.082e+04	-347.04	0.12	0.0	32.7	-1154.66	-1554.14	-7.55	101.56	-79.52	-8874.56
						65.5	-1154.66	-1619.76	-7.55	101.56	-347.04	-6.082e+04
23	38	6.149e+04	270.08	-0.06	-131.24	0.0	1426.41	2423.47	5.23	-114.27	-112.57	-9.311e+04
		-9.311e+04	-112.57	-0.13	0.0	32.7	1426.41	2357.85	5.23	-114.27	78.76	-1.474e+04
						65.5	1426.41	2292.23	5.23	-114.27	270.08	6.149e+04
23	39	6.413e+04	44.64	0.08	-131.24	0.0	-1521.29	-2059.99	1.18	119.78	7.68	6.413e+04
		-7.527e+04	7.68	0.14	0.0	32.7	-1521.29	-2125.61	1.18	119.78	26.16	-4493.05
						65.5	-1521.29	-2191.23	1.18	119.78	44.64	-7.527e+04
23	40	4.704e+04	661.77	-0.06	-131.24	0.0	1059.77	1852.00	13.96	-96.05	-292.89	-6.990e+04
		-6.990e+04	-292.89	-0.12	0.0	32.7	1059.77	1786.38	13.96	-96.05	184.44	-1.035e+04
						65.5	1059.77	1720.76	13.96	-96.05	661.77	4.704e+04
23	41	4.070e+04	192.73	0.08	-131.24	0.0	-1149.66	-1483.64	-7.79	101.57	192.73	4.070e+04
		-6.072e+04	-357.94	0.12	0.0	32.7	-1149.66	-1549.26	-7.79	101.57	-82.60	-8934.26
						65.5	-1149.66	-1614.88	-7.79	101.57	-357.94	-6.072e+04
23	42	6.159e+04	259.19	-0.06	-131.24	0.0	1431.40	2428.35	4.99	-114.26	-107.84	-9.333e+04

		-9.333e+04	-107.84	-0.13	0.0	32.7	1431.40	2362.73	4.99	-114.26	75.67	-1.480e+04
						65.5	1431.40	2297.11	4.99	-114.26	259.19	6.159e+04
23	43	3.031e+04	567.58	0.02	-131.24	0.0	-796.18	-992.73	12.66	51.06	-253.61	3.031e+04
		-3.931e+04	-253.61	0.05	0.0	32.7	-796.18	-1058.35	12.66	51.06	156.98	-3427.18
						65.5	-796.18	-1123.97	12.66	51.06	567.58	-3.931e+04
23	44	1163.70	735.72	-0.01	-131.24	0.0	-248.96	-134.47	15.82	2.60	-308.21	1163.70
		-1.222e+04	-308.21	-8.90e-03	0.0	32.7	-248.96	-200.09	15.82	2.60	213.76	-4454.41
						65.5	-248.96	-265.71	15.82	2.60	735.72	-1.222e+04
23	45	-1454.91	208.05	0.03	-131.24	0.0	159.07	502.82	-9.65	2.92	208.05	-3.036e+04
		-3.036e+04	-431.89	0.02	0.0	32.7	159.07	437.20	-9.65	2.92	-111.92	-1.483e+04
						65.5	159.07	371.58	-9.65	2.92	-431.89	-1454.91
23	46	2.564e+04	153.45	-6.13e-03	-131.24	0.0	706.29	1361.09	-6.49	-45.53	153.45	-5.951e+04
		-5.951e+04	-263.75	-0.04	0.0	32.7	706.29	1295.47	-6.49	-45.53	-55.15	-1.586e+04
						65.5	706.29	1229.85	-6.49	-45.53	-263.75	2.564e+04
23	47	3.167e+04	578.97	0.02	-131.24	0.0	-829.41	-1028.67	12.74	52.48	-245.39	3.167e+04
		-4.031e+04	-245.39	0.05	0.0	32.7	-829.41	-1094.29	12.74	52.48	166.79	-3243.71
						65.5	-829.41	-1159.91	12.74	52.48	578.97	-4.031e+04
23	48	-197.02	724.33	-0.01	-131.24	0.0	-215.73	-98.53	15.74	1.18	-316.43	197.02
		-1.123e+04	-316.43	-9.57e-03	0.0	32.7	-215.73	-164.15	15.74	1.18	203.95	-4637.88
						65.5	-215.73	-229.77	15.74	1.18	724.33	-1.123e+04
23	49	-2448.69	216.27	0.03	-131.24	0.0	125.84	466.89	-9.57	4.34	216.27	-2.900e+04
		-2.900e+04	-420.50	0.02	0.0	32.7	125.84	401.27	-9.57	4.34	-102.11	-1.465e+04
						65.5	125.84	335.65	-9.57	4.34	-420.50	-2448.69
23	50	2.663e+04	145.23	-6.09e-03	-131.24	0.0	739.52	1397.02	-6.57	-46.95	145.23	-6.087e+04
		-6.087e+04	-275.14	-0.04	0.0	32.7	739.52	1331.40	-6.57	-46.95	-64.95	-1.604e+04
						65.5	739.52	1265.78	-6.57	-46.95	-275.14	2.663e+04
23	51	3.087e+04	596.24	0.02	-131.24	0.0	-809.35	-1005.35	13.29	51.03	-266.03	3.087e+04
		-3.958e+04	-266.03	0.05	0.0	32.7	-809.35	-1070.97	13.29	51.03	165.11	-3278.05
						65.5	-809.35	-1136.59	13.29	51.03	596.24	-3.958e+04
23	52	1727.68	764.39	-0.01	-131.24	0.0	-262.14	-147.08	16.45	2.57	-320.63	1727.68
		-1.249e+04	-320.63	-7.81e-03	0.0	32.7	-262.14	-212.70	16.45	2.57	221.88	-4305.29
						65.5	-262.14	-278.33	16.45	2.57	764.39	-1.249e+04
23	53	-1189.18	220.47	0.03	-131.24	0.0	172.25	515.44	-10.28	2.95	220.47	-3.093e+04
		-3.093e+04	-460.56	0.02	0.0	32.7	172.25	449.82	-10.28	2.95	-120.04	-1.498e+04
						65.5	172.25	384.20	-10.28	2.95	-460.56	1189.18
23	54	2.590e+04	165.87	-5.81e-03	-131.24	0.0	719.46	1373.70	-7.12	-45.51	165.87	-6.007e+04

		-6.007e+04	-292.41	-0.04	0.0	32.7	719.46	1308.08	-7.12	-45.51	-63.27	-1.601e+04
						65.5	719.46	1242.46	-7.12	-45.51	-292.41	2.590e+04
23	55	3.223e+04	607.63	0.02	-131.24	0.0	-842.59	-1041.28	13.37	52.45	-257.81	3.223e+04
		-4.057e+04	-257.81	0.05	0.0	32.7	-842.59	-1106.90	13.37	52.45	174.91	-3094.58
						65.5	-842.59	-1172.52	13.37	52.45	607.63	-4.057e+04
23	56	366.97	753.00	-0.01	-131.24	0.0	-228.90	-111.15	16.37	1.15	-328.85	366.97
		-1.149e+04	-328.85	-8.49e-03	0.0	32.7	-228.90	-176.77	16.37	1.15	212.07	-4488.75
						65.5	-228.90	-242.39	16.37	1.15	753.00	-1.149e+04
23	57	-2182.97	228.69	0.03	-131.24	0.0	139.01	479.50	-10.20	4.37	228.69	-2.956e+04
		-2.956e+04	-449.17	0.02	0.0	32.7	139.01	413.88	-10.20	4.37	-110.24	-1.480e+04
						65.5	139.01	348.26	-10.20	4.37	-449.17	-2182.97
23	58	2.690e+04	157.65	-5.76e-03	-131.24	0.0	752.70	1409.64	-7.19	-46.93	157.65	-6.143e+04
		-6.143e+04	-303.80	-0.04	0.0	32.7	752.70	1344.02	-7.19	-46.93	-73.08	-1.619e+04
						65.5	752.70	1278.40	-7.19	-46.93	-303.80	2.690e+04
23	59	4.308e+04	21.59	0.06	-131.24	0.0	-1100.26	-1470.59	1.16	90.74	-28.33	4.308e+04
		-5.767e+04	-28.33	0.11	0.0	32.7	-1100.26	-1536.21	1.16	90.74	-3.37	-6221.20
						65.5	-1100.26	-1601.83	1.16	90.74	21.59	-5.767e+04
23	60	3.264e+04	582.08	-0.05	-131.24	0.0	723.80	1390.28	11.71	-70.78	-210.32	-5.407e+04
		-5.407e+04	-210.32	-0.09	0.0	32.7	723.80	1324.66	11.71	-70.78	185.88	-9645.31
						65.5	723.80	1259.04	11.71	-70.78	582.08	3.264e+04
23	61	2.488e+04	110.16	0.07	-131.24	0.0	-813.69	-1021.93	-5.54	76.30	110.16	2.488e+04
		-4.631e+04	-278.25	0.10	0.0	32.7	-813.69	-1087.55	-5.54	76.30	-84.04	-9643.30
						65.5	-813.69	-1153.17	-5.54	76.30	-278.25	4.631e+04
23	62	4.399e+04	282.24	-0.05	-131.24	0.0	1010.37	1838.95	5.02	-85.22	-71.82	-7.228e+04
		-7.228e+04	-71.82	-0.10	0.0	32.7	1010.37	1773.33	5.02	-85.22	105.21	-1.307e+04
						65.5	1010.37	1707.71	5.02	-85.22	282.24	4.399e+04
23	63	4.325e+04	30.19	0.06	-131.24	0.0	-1104.22	-1474.38	1.34	90.73	-32.06	4.325e+04
		-5.775e+04	-32.06	0.11	0.0	32.7	-1104.22	-1540.00	1.34	90.73	-0.93	-6176.46
						65.5	-1104.22	-1605.62	1.34	90.73	30.19	-5.775e+04
23	64	3.256e+04	590.68	-0.05	-131.24	0.0	719.84	1386.50	11.90	-70.78	-214.05	-5.391e+04
		-5.391e+04	-214.05	-0.09	0.0	32.7	719.84	1320.88	11.90	-70.78	188.32	-9600.57
						65.5	719.84	1255.26	11.90	-70.78	590.68	3.256e+04
23	65	2.471e+04	113.89	0.07	-131.24	0.0	-809.74	-1018.14	-5.73	76.31	113.89	2.471e+04
		-4.623e+04	-286.85	0.10	0.0	32.7	-809.74	-1083.76	-5.73	76.31	-86.48	-9688.04
						65.5	-809.74	-1149.38	-5.73	76.31	-286.85	4.623e+04
23	66	4.407e+04	273.64	-0.05	-131.24	0.0	1014.32	1842.73	4.83	-85.21	-68.10	-7.245e+04
		-7.245e+04	-68.10	-0.10	0.0	32.7	1014.32	1777.11	4.83	-85.21	102.77	-

1.311e+04												
						65.5	1014.32	1711.49	4.83	-85.21	273.64	
4.407e+04												
23	67	4.761e+04	59.57	0.06	-131.24	0.0	-1211.04	-1590.38	1.42	95.48	-0.93	
4.761e+04												
		-6.098e+04	-0.93	0.11	0.0	32.7	-1211.04	-1656.00	1.42	95.48	29.32	-
5609.63												
						65.5	-1211.04	-1721.62	1.42	95.48	59.57	-
6.098e+04												
23	68	3.595e+04	544.10	-0.05	-131.24	0.0	834.57	1510.07	11.45	-75.51	-237.72	-
5.861e+04												
		-5.861e+04	-237.72	-0.09	0.0	32.7	834.57	1444.45	11.45	-75.51	153.19	-
1.026e+04												
						65.5	834.57	1378.83	11.45	-75.51	544.10	
3.595e+04												
23	69	2.941e+04	137.57	0.07	-131.24	0.0	-924.46	-1141.71	-5.27	81.04	137.57	
2.941e+04												
		-4.962e+04	-240.27	0.10	0.0	32.7	-924.46	-1207.33	-5.27	81.04	-51.35	-
9031.74												
						65.5	-924.46	-1272.95	-5.27	81.04	-240.27	-
4.962e+04												
23	70	4.731e+04	244.26	-0.05	-131.24	0.0	1121.15	1958.74	4.75	-89.95	-99.23	-
7.681e+04												
		-7.681e+04	-99.23	-0.10	0.0	32.7	1121.15	1893.11	4.75	-89.95	72.52	-
1.368e+04												
						65.5	1121.15	1827.49	4.75	-89.95	244.26	
4.731e+04												
23	71	4.778e+04	68.17	0.06	-131.24	0.0	-1214.99	-1594.16	1.61	95.47	-4.66	
4.778e+04												
		-6.106e+04	-4.66	0.11	0.0	32.7	-1214.99	-1659.78	1.61	95.47	31.75	-
5564.89												
						65.5	-1214.99	-1725.41	1.61	95.47	68.17	-
6.106e+04												
23	72	3.587e+04	552.70	-0.05	-131.24	0.0	830.62	1506.28	11.63	-75.52	-241.45	-
5.844e+04												
		-5.844e+04	-241.45	-0.09	0.0	32.7	830.62	1440.66	11.63	-75.52	155.63	-
1.021e+04												
						65.5	830.62	1375.04	11.63	-75.52	552.70	
3.587e+04												
23	73	2.924e+04	141.29	0.07	-131.24	0.0	-920.51	-1137.93	-5.46	81.04	141.29	
2.924e+04												
		-4.954e+04	-248.87	0.10	0.0	32.7	-920.51	-1203.55	-5.46	81.04	-53.79	-
9076.48												
						65.5	-920.51	-1269.17	-5.46	81.04	-248.87	-
4.954e+04												
23	74	4.739e+04	235.66	-0.05	-131.24	0.0	1125.10	1962.52	4.56	-89.94	-95.50	-
7.698e+04												
		-7.698e+04	-95.50	-0.10	0.0	32.7	1125.10	1896.90	4.56	-89.94	70.08	-
1.372e+04												
						65.5	1125.10	1831.28	4.56	-89.94	235.66	
4.739e+04												
23	75	2.253e+04	495.86	0.02	-131.24	0.0	-665.79	-788.63	11.01	42.68	-218.44	
2.253e+04												
		-3.368e+04	-218.44	0.04	0.0	32.7	-665.79	-854.25	11.01	42.68	138.71	-
4501.38												
						65.5	-665.79	-919.87	11.01	42.68	495.86	-
3.368e+04												
23	76	-1560.07	634.91	-7.22e-03	-131.24	0.0	-213.56	-79.35	13.62	2.63	-263.60	-
1560.07												
		-1.129e+04	-263.60	-6.55e-03	0.0	32.7	-213.56	-144.97	13.62	2.63	185.65	-
5350.41												
						65.5	-213.56	-210.59	13.62	2.63	634.91	-
1.129e+04												
23	77	-2386.69	163.45	0.02	-131.24	0.0	123.67	447.70	-7.45	2.89	163.45	-
2.764e+04												
		-2.764e+04	-331.08	0.02	0.0	32.7	123.67	382.08	-7.45	2.89	-83.82	-
1.394e+04												
						65.5	123.67	316.46	-7.45	2.89	-331.08	-
2386.69												
23	78	2.000e+04	118.28	-3.59e-03	-131.24	0.0	575.90	1156.99	-4.83	-37.15	118.28	-
5.172e+04												
		-5.172e+04	-192.03	-0.03	0.0	32.7	575.90	1091.37	-4.83	-37.15	-36.88	-

1.479e+04												
						65.5	575.90	1025.75	-4.83	-37.15	-192.03	
2.000e+04												
23	79	2.365e+04	505.26	0.02	-131.24	0.0	-693.25	-818.33	11.07	43.85	-211.65	
2.365e+04												
		-3.450e+04	-211.65	0.04	0.0	32.7	-693.25	-883.95	11.07	43.85	146.81	-
4349.74												
						65.5	-693.25	-949.57	11.07	43.85	505.26	-
3.450e+04												
23	80	-2684.62	625.52	-7.18e-03	-131.24	0.0	-186.10	-49.65	13.56	1.46	-270.40	-
2684.62												
		-1.047e+04	-270.40	-7.11e-03	0.0	32.7	-186.10	-115.27	13.56	1.46	177.56	-
5502.05												
						65.5	-186.10	-180.89	13.56	1.46	625.52	-
1.047e+04												
23	81	-3207.97	170.24	0.02	-131.24	0.0	96.20	418.01	-7.39	4.07	170.24	-
2.651e+04												
		-2.651e+04	-321.69	0.02	0.0	32.7	96.20	352.39	-7.39	4.07	-75.72	-
1.379e+04												
						65.5	96.20	286.77	-7.39	4.07	-321.69	-
3207.97												
23	82	2.082e+04	111.49	-3.55e-03	-131.24	0.0	603.36	1186.69	-4.90	-38.33	111.49	-
5.285e+04												
		-5.285e+04	-201.43	-0.03	0.0	32.7	603.36	1121.07	-4.90	-38.33	-44.97	-
1.494e+04												
						65.5	603.36	1055.44	-4.90	-38.33	-201.43	
2.082e+04												
23	83	2.299e+04	519.51	0.02	-131.24	0.0	-676.68	-799.05	11.52	42.65	-228.68	
2.299e+04												
		-3.390e+04	-228.68	0.04	0.0	32.7	-676.68	-864.67	11.52	42.65	145.41	-
4378.09												
						65.5	-676.68	-930.29	11.52	42.65	519.51	-
3.390e+04												
23	84	-1094.18	658.56	-7.49e-03	-131.24	0.0	-224.45	-89.77	14.14	2.61	-273.85	-
1094.18												
		-1.151e+04	-273.85	-5.65e-03	0.0	32.7	-224.45	-155.39	14.14	2.61	192.35	-
5227.12												
						65.5	-224.45	-221.01	14.14	2.61	658.56	-
1.151e+04												
23	85	-2167.39	173.69	0.02	-131.24	0.0	134.56	458.12	-7.97	2.92	173.69	-
2.810e+04												
		-2.810e+04	-354.73	0.02	0.0	32.7	134.56	392.50	-7.97	2.92	-90.52	-
1.406e+04												
						65.5	134.56	326.88	-7.97	2.92	-354.73	-
2167.39												
23	86	2.022e+04	128.53	-3.32e-03	-131.24	0.0	586.79	1167.40	-5.35	-37.13	128.53	-
5.219e+04												
		-5.219e+04	-215.68	-0.03	0.0	32.7	586.79	1101.78	-5.35	-37.13	-43.57	-
1.491e+04												
						65.5	586.79	1036.16	-5.35	-37.13	-215.68	
2.022e+04												
23	87	2.412e+04	528.90	0.02	-131.24	0.0	-704.14	-828.75	11.59	43.83	-221.89	
2.412e+04												
		-3.472e+04	-221.89	0.04	0.0	32.7	-704.14	-894.37	11.59	43.83	153.51	-
4226.45												
						65.5	-704.14	-959.99	11.59	43.83	528.90	-
3.472e+04												
23	88	-2218.74	649.16	-7.45e-03	-131.24	0.0	-196.99	-60.07	14.08	1.43	-280.64	-
2218.74												
		-1.069e+04	-280.64	-6.21e-03	0.0	32.7	-196.99	-125.69	14.08	1.43	184.26	-
5378.75												
						65.5	-196.99	-191.31	14.08	1.43	649.16	-
1.069e+04												
23	89	-2988.67	180.48	0.02	-131.24	0.0	107.09	428.42	-7.91	4.09	180.48	-
2.698e+04												
		-2.698e+04	-345.33	0.02	0.0	32.7	107.09	362.80	-7.91	4.09	-82.42	-
1.391e+04												
						65.5	107.09	297.18	-7.91	4.09	-345.33	-
2988.67												
23	90	2.104e+04	121.73	-3.28e-03	-131.24	0.0	614.25	1197.10	-5.42	-38.30	121.73	-
5.331e+04												
		-5.331e+04	-225.07	-0.03	0.0	32.7	614.25	1131.48	-5.42	-38.30	-51.67	-

1.506e+04												
						65.5	614.25	1065.86	-5.42	-38.30	-225.07	
2.104e+04												
23	91	3.307e+04	44.20	0.05	-131.24	0.0	-917.08	-1183.41	1.49	75.47	-32.09	
3.307e+04												
		-4.885e+04	-32.09	0.09	0.0	32.7	-917.08	-1249.03	1.49	75.47	6.06	-
6813.73												
						65.5	-917.08	-1314.65	1.49	75.47	44.20	-
4.885e+04												
23	92	2.578e+04	507.71	-0.04	-131.24	0.0	590.35	1180.86	10.22	-58.01	-182.64	-
4.722e+04												
		-4.722e+04	-182.64	-0.07	0.0	32.7	590.35	1115.24	10.22	-58.01	162.54	-
9643.83												
						65.5	590.35	1049.62	10.22	-58.01	507.71	
2.578e+04												
23	93	1.802e+04	82.48	0.06	-131.24	0.0	-680.24	-812.51	-4.05	63.54	82.48	
1.802e+04												
		-3.946e+04	-203.88	0.08	0.0	32.7	-680.24	-878.13	-4.05	63.54	-60.70	-
9644.78												
						65.5	-680.24	-943.75	-4.05	63.54	-203.88	-
3.946e+04												
23	94	3.517e+04	259.62	-0.04	-131.24	0.0	827.19	1551.77	4.68	-69.95	-68.07	-
6.227e+04												
		-6.227e+04	-68.07	-0.08	0.0	32.7	827.19	1486.14	4.68	-69.95	95.78	-
1.247e+04												
						65.5	827.19	1420.52	4.68	-69.95	259.62	
3.517e+04												
23	95	3.321e+04	51.30	0.05	-131.24	0.0	-920.35	-1186.53	1.65	75.47	-35.16	
3.321e+04												
		-4.891e+04	-35.16	0.09	0.0	32.7	-920.35	-1252.15	1.65	75.47	8.07	-
6776.75												
						65.5	-920.35	-1317.78	1.65	75.47	51.30	-
4.891e+04												
23	96	2.572e+04	514.80	-0.04	-131.24	0.0	587.08	1177.74	10.37	-58.02	-185.71	-
4.708e+04												
		-4.708e+04	-185.71	-0.07	0.0	32.7	587.08	1112.12	10.37	-58.02	164.55	-
9606.85												
						65.5	587.08	1046.50	10.37	-58.02	514.80	
2.572e+04												
23	97	1.788e+04	85.55	0.06	-131.24	0.0	-676.98	-809.38	-4.20	63.54	85.55	
1.788e+04												
		-3.939e+04	-210.97	0.08	0.0	32.7	-676.98	-875.00	-4.20	63.54	-62.71	-
9681.77												
						65.5	-676.98	-940.62	-4.20	63.54	-210.97	-
3.939e+04												
23	98	3.524e+04	252.53	-0.04	-131.24	0.0	830.46	1554.89	4.53	-69.94	-65.00	-
6.241e+04												
		-6.241e+04	-65.00	-0.08	0.0	32.7	830.46	1489.27	4.53	-69.94	93.77	-
1.251e+04												
						65.5	830.46	1423.65	4.53	-69.94	252.53	
3.524e+04												
23	99	3.682e+04	75.53	0.05	-131.24	0.0	-1008.63	-1282.40	1.71	79.38	-9.45	
3.682e+04												
		-5.158e+04	-9.45	0.09	0.0	32.7	-1008.63	-1348.03	1.71	79.38	33.04	-
6308.28												
						65.5	-1008.63	-1413.65	1.71	79.38	75.53	-
5.158e+04												
23	100	2.852e+04	476.38	-0.04	-131.24	0.0	681.90	1279.86	10.00	-61.92	-205.28	-
5.097e+04												
		-5.097e+04	-205.28	-0.07	0.0	32.7	681.90	1214.24	10.00	-61.92	135.55	-
1.015e+04												
						65.5	681.90	1148.62	10.00	-61.92	476.38	
2.852e+04												
23	101	2.177e+04	105.12	0.06	-131.24	0.0	-771.79	-911.50	-3.83	67.45	105.12	
2.177e+04												
		-4.220e+04	-172.55	0.08	0.0	32.7	-771.79	-977.12	-3.83	67.45	-33.72	-
9139.33												
						65.5	-771.79	-1042.74	-3.83	67.45	-172.55	-
4.220e+04												
23	102	3.791e+04	228.30	-0.04	-131.24	0.0	918.73	1650.76	4.46	-73.86	-90.71	-
6.602e+04												
		-6.602e+04	-90.71	-0.08	0.0	32.7	918.73	1585.14	4.46	-73.86	68.79	-

1.298e+04												
						65.5	918.73	1519.52	4.46	-73.86	228.30	
3.791e+04												
23	103	3.696e+04	82.62	0.05	-131.24	0.0	-1011.89	-1285.53	1.86	79.38	-12.52	
3.696e+04												
		-5.165e+04	-12.52	0.09	0.0	32.7	-1011.89	-1351.15	1.86	79.38	35.05	-
6271.29												
						65.5	-1011.89	-1416.77	1.86	79.38	82.62	-
5.165e+04												
23	104	2.846e+04	483.48	-0.04	-131.24	0.0	678.63	1276.73	10.16	-61.93	-208.35	-
5.083e+04												
		-5.083e+04	-208.35	-0.07	0.0	32.7	678.63	1211.11	10.16	-61.93	137.56	-
1.011e+04												
						65.5	678.63	1145.49	10.16	-61.93	483.48	
2.846e+04												
23	105	2.163e+04	108.19	0.06	-131.24	0.0	-768.52	-908.38	-3.99	67.46	108.19	
2.163e+04												
		-4.213e+04	-179.65	0.08	0.0	32.7	-768.52	-974.00	-3.99	67.46	-35.73	-
9176.31												
						65.5	-768.52	-1039.62	-3.99	67.46	-179.65	-
4.213e+04												
23	106	3.797e+04	221.21	-0.04	-131.24	0.0	922.00	1653.89	4.31	-73.85	-87.64	-
6.616e+04												
		-6.616e+04	-87.64	-0.08	0.0	32.7	922.00	1588.27	4.31	-73.85	66.78	-
1.302e+04												
						65.5	922.00	1522.64	4.31	-73.85	221.21	
3.797e+04												
26	1	-5480.99	-0.33	1.88e-03	-13.82	0.0	27.70	-103.23	0.30	5.96	-6.60	-
5480.99												
		-7793.90	-6.60	1.32e-03	0.0	10.5	27.70	-110.14	0.30	5.96	-3.46	-
6601.17												
						21.0	27.70	-117.05	0.30	5.96	-0.33	-
7793.90												
26	2	-2.867e+04	26.79	0.01	-94.14	0.0	-77.22	-979.10	3.31	36.09	-42.68	-
2.867e+04												
		-5.022e+04	-42.68	2.54e-03	0.0	10.5	-77.22	-1026.17	3.31	36.09	-7.95	-
3.919e+04												
						21.0	-77.22	-1073.24	3.31	36.09	26.79	-
5.022e+04												
26	3	-3778.60	-0.76	1.24e-03	-9.11	0.0	23.29	-62.88	0.17	4.01	-4.40	-
3778.60												
		-5194.73	-4.40	9.95e-04	0.0	10.5	23.29	-67.43	0.17	4.01	-2.58	-
4462.74												
						21.0	23.29	-71.99	0.17	4.01	-0.76	-
5194.73												
26	4	-2.696e+04	26.35	0.01	-89.44	0.0	-81.63	-938.75	3.18	34.15	-40.48	-
2.696e+04												
		-4.762e+04	-40.48	2.21e-03	0.0	10.5	-81.63	-983.47	3.18	34.15	-7.06	-
3.706e+04												
						21.0	-81.63	-1028.19	3.18	34.15	26.35	-
4.762e+04												
26	5	-4025.91	-0.47	1.36e-03	-9.97	0.0	22.17	-72.22	0.21	4.33	-4.78	-
4025.91												
		-5647.23	-4.78	1.01e-03	0.0	10.5	22.17	-77.21	0.21	4.33	-2.63	-
4810.40												
						21.0	22.17	-82.19	0.21	4.33	-0.47	-
5647.23												
26	6	-1.948e+04	17.60	8.64e-03	-63.52	0.0	-47.78	-656.13	2.21	24.43	-28.84	-
1.948e+04												
		-3.393e+04	-28.84	1.82e-03	0.0	10.5	-47.78	-687.89	2.21	24.43	-5.62	-
2.654e+04												
						21.0	-47.78	-719.65	2.21	24.43	17.60	-
3.393e+04												
26	7	-4025.91	-0.47	1.36e-03	-9.97	0.0	22.17	-72.22	0.21	4.33	-4.78	-
4025.91												
		-5647.23	-4.78	1.01e-03	0.0	10.5	22.17	-77.21	0.21	4.33	-2.63	-
4810.40												
						21.0	22.17	-82.19	0.21	4.33	-0.47	-
5647.23												
26	8	-1.485e+04	12.18	6.46e-03	-47.46	0.0	-26.79	-480.96	1.61	18.40	-21.62	-
1.485e+04												
		-2.544e+04	-21.62	1.57e-03	0.0	10.5	-26.79	-504.69	1.61	18.40	-4.72	-

2.002e+04												
						21.0	-26.79	-528.41	1.61	18.40	12.18	-
2.544e+04												
26	9	-4025.91	-0.47	1.36e-03	-9.97	0.0	22.17	-72.22	0.21	4.33	-4.78	-
4025.91												
		-5647.23	-4.78	1.01e-03	0.0	10.5	22.17	-77.21	0.21	4.33	-2.63	-
4810.40												
						21.0	22.17	-82.19	0.21	4.33	-0.47	-
5647.23												
26	10	-1.330e+04	10.37	5.73e-03	-42.10	0.0	-19.80	-422.57	1.41	16.39	-19.22	-
1.330e+04												
		-2.262e+04	-19.22	1.49e-03	0.0	10.5	-19.80	-443.62	1.41	16.39	-4.42	-
1.785e+04												
						21.0	-19.80	-464.67	1.41	16.39	10.37	-
2.262e+04												
26	11	-2.267e+04	-112.13	9.83e-03	-42.10	0.0	1029.10	-791.56	0.78	67.72	-112.13	-
3.372e+04												
		-3.372e+04	-128.21	0.02	0.0	10.5	1029.10	-812.61	0.78	67.72	-120.17	-
2.809e+04												
						21.0	1029.10	-833.66	0.78	67.72	-128.21	-
2.267e+04												
26	12	-4.141e+04	50.48	7.68e-03	-42.10	0.0	356.24	-1559.56	10.47	82.38	-146.98	-
4.141e+04												
		-4.372e+04	-146.98	-4.43e-03	0.0	10.5	356.24	-1580.61	10.47	82.38	-48.25	-
4.246e+04												
						21.0	356.24	-1601.66	10.47	82.38	50.48	-
4.372e+04												
26	13	1.481e+04	108.55	3.78e-03	-42.10	0.0	-395.84	714.43	-7.65	-49.61	108.55	
1.481e+04												
		-1508.63	-29.74	7.42e-03	0.0	10.5	-395.84	693.38	-7.65	-49.61	39.41	
6763.18												
						21.0	-395.84	672.33	-7.65	-49.61	-29.74	-
1508.63												
26	14	7119.60	148.95	1.62e-03	-42.10	0.0	-1068.70	-53.57	2.04	-34.95	73.70	
7119.60												
		-2.256e+04	73.70	-0.02	0.0	10.5	-1068.70	-74.62	2.04	-34.95	111.33	-
7609.59												
						21.0	-1068.70	-95.67	2.04	-34.95	148.95	-
2.256e+04												
26	15	-2.329e+04	-114.27	9.36e-03	-42.10	0.0	1089.29	-727.72	1.01	66.53	-114.27	-
3.429e+04												
		-3.429e+04	-130.82	0.02	0.0	10.5	1089.29	-748.77	1.01	66.53	-122.55	-
2.868e+04												
						21.0	1089.29	-769.82	1.01	66.53	-130.82	-
2.329e+04												
26	16	-4.084e+04	53.09	8.16e-03	-42.10	0.0	296.04	-1623.40	10.24	83.58	-144.85	-
4.084e+04												
		-4.310e+04	-144.85	-4.76e-03	0.0	10.5	296.04	-1644.45	10.24	83.58	-45.88	-
4.186e+04												
						21.0	296.04	-1665.50	10.24	83.58	53.09	-
4.310e+04												
26	17	1.424e+04	106.42	3.30e-03	-42.10	0.0	-335.64	778.27	-7.42	-50.80	106.42	
1.424e+04												
		-2128.81	-32.35	7.74e-03	0.0	10.5	-335.64	757.22	-7.42	-50.80	37.04	
6165.95												
						21.0	-335.64	736.17	-7.42	-50.80	-32.35	-
2128.81												
26	18	7693.89	151.56	2.10e-03	-42.10	0.0	-1128.89	-117.41	1.81	-33.75	75.84	
7693.89												
		-2.194e+04	75.84	-0.02	0.0	10.5	-1128.89	-138.46	1.81	-33.75	113.70	-
7012.36												
						21.0	-1128.89	-159.51	1.81	-33.75	151.56	-
2.194e+04												
26	19	-2.374e+04	-115.98	0.01	-42.10	0.0	1029.09	-769.61	0.96	68.77	-115.98	-
3.436e+04												
		-3.436e+04	-124.71	0.02	0.0	10.5	1029.09	-790.66	0.96	68.77	-120.35	-
2.894e+04												
						21.0	1029.09	-811.71	0.96	68.77	-124.71	-
2.374e+04												
26	20	-4.206e+04	53.98	8.80e-03	-42.10	0.0	356.23	-1537.61	10.65	83.43	-150.83	-
4.206e+04												
		-4.479e+04	-150.83	-3.90e-03	0.0	10.5	356.23	-1558.66	10.65	83.43	-48.42	-

4.331e+04												
						21.0	356.23	-1579.71	10.65	83.43	53.98	-
4.479e+04												
26	21	1.546e+04	112.40	2.66e-03	-42.10	0.0	-395.83	692.47	-7.83	-50.65	112.40	
1.546e+04												
		-442.85	-33.24	6.88e-03	0.0	10.5	-395.83	671.42	-7.83	-50.65	39.58	
7618.73												
						21.0	-395.83	650.37	-7.83	-50.65	-33.24	-
442.85												
26	22	7764.92	145.45	5.29e-04	-42.10	0.0	-1068.69	-75.53	1.86	-35.99	77.55	
7764.92												
		-2.149e+04	77.55	-0.02	0.0	10.5	-1068.69	-96.58	1.86	-35.99	111.50	-
6754.04												
						21.0	-1068.69	-117.63	1.86	-35.99	145.45	-
2.149e+04												
26	23	-2.436e+04	-118.11	0.01	-42.10	0.0	1089.29	-705.77	1.19	67.58	-118.11	-
3.494e+04												
		-3.494e+04	-127.32	0.02	0.0	10.5	1089.29	-726.82	1.19	67.58	-122.72	-
2.954e+04												
						21.0	1089.29	-747.87	1.19	67.58	-127.32	-
2.436e+04												
26	24	-4.149e+04	56.59	9.28e-03	-42.10	0.0	296.03	-1601.45	10.42	84.62	-148.69	-
4.149e+04												
		-4.417e+04	-148.69	-4.22e-03	0.0	10.5	296.03	-1622.50	10.42	84.62	-46.05	-
4.272e+04												
						21.0	296.03	-1643.55	10.42	84.62	56.59	-
4.417e+04												
26	25	1.489e+04	110.26	2.18e-03	-42.10	0.0	-335.63	756.31	-7.60	-51.85	110.26	
1.489e+04												
		-1063.03	-35.85	7.21e-03	0.0	10.5	-335.63	735.26	-7.60	-51.85	37.21	
7021.50												
						21.0	-335.63	714.21	-7.60	-51.85	-35.85	-
1063.03												
26	26	8339.21	148.06	9.80e-04	-42.10	0.0	-1128.88	-139.37	1.63	-34.80	79.68	
8339.21												
		-2.087e+04	79.68	-0.02	0.0	10.5	-1128.88	-160.42	1.63	-34.80	113.87	-
6156.81												
						21.0	-1128.88	-181.47	1.63	-34.80	148.06	-
2.087e+04												
26	27	9294.79	5.76	0.01	-42.10	0.0	1315.37	631.53	-13.48	9.55	5.76	-
7756.10												
		-7756.10	-302.22	0.04	0.0	10.5	1315.37	610.48	-13.48	9.55	-148.23	879.86
						21.0	1315.37	589.43	-13.48	9.55	-302.22	
9294.79												
26	28	-3.340e+04	293.42	3.10e-03	-42.10	0.0	-927.49	-1928.46	18.83	58.42	-110.40	-
3.340e+04												
		-6.088e+04	-110.40	-0.04	0.0	10.5	-927.49	-1949.51	18.83	58.42	91.51	-
4.703e+04												
						21.0	-927.49	-1970.56	18.83	58.42	293.42	-
6.088e+04												
26	29	1.564e+04	71.97	8.41e-03	-42.10	0.0	887.89	1083.33	-16.01	-25.64	71.97	
6803.98												
		6803.98	-272.68	0.04	0.0	10.5	887.89	1062.28	-16.01	-25.64	-100.35	
1.133e+04												
						21.0	887.89	1041.23	-16.01	-25.64	-272.68	
1.564e+04												
26	30	-1.884e+04	322.96	1.50e-03	-42.10	0.0	-1354.97	-1476.67	16.30	23.22	-44.19	-
1.884e+04												
		-5.453e+04	-44.19	-0.04	0.0	10.5	-1354.97	-1497.72	16.30	23.22	139.38	-
3.657e+04												
						21.0	-1354.97	-1518.77	16.30	23.22	322.96	-
5.453e+04												
26	31	8975.06	4.61	0.01	-42.10	0.0	1315.37	638.12	-13.43	9.87	4.61	-
7949.69												
		-7949.69	-301.17	0.04	0.0	10.5	1315.37	617.07	-13.43	9.87	-148.28	623.20
						21.0	1315.37	596.02	-13.43	9.87	-301.17	
8975.06												
26	32	-3.360e+04	294.47	3.41e-03	-42.10	0.0	-927.49	-1921.88	18.88	58.74	-111.55	-
3.360e+04												
		-6.120e+04	-111.55	-0.04	0.0	10.5	-927.49	-1942.93	18.88	58.74	91.46	-
4.729e+04												
						21.0	-927.49	-1963.98	18.88	58.74	294.47	-

6.120e+04												
26	33	1.596e+04	73.12	8.07e-03	-42.10	0.0	887.90	1076.74	-16.07	-25.96	73.12	
6997.57												
		6997.57	-273.73	0.04	0.0	10.5	887.90	1055.69	-16.07	-25.96	-100.30	
1.159e+04												
						21.0	887.90	1034.64	-16.07	-25.96	-273.73	
1.596e+04												
26	34	-1.865e+04	321.91	1.26e-03	-42.10	0.0	-1354.97	-1483.25	16.25	22.91	-43.04	-
1.865e+04												
		-5.421e+04	-43.04	-0.04	0.0	10.5	-1354.97	-1504.30	16.25	22.91	139.44	-
3.632e+04												
						21.0	-1354.97	-1525.35	16.25	22.91	321.91	-
5.421e+04												
26	35	7227.54	-1.35	8.64e-03	-42.10	0.0	1516.03	844.33	-12.71	5.58	-1.35	-
9670.38												
		-9670.38	-310.92	0.04	0.0	10.5	1516.03	823.28	-12.71	5.58	-156.14	-
1110.91												
						21.0	1516.03	802.23	-12.71	5.58	-310.92	
7227.54												
26	36	-3.149e+04	302.12	4.64e-03	-42.10	0.0	-1128.15	-2141.26	18.06	62.40	-103.28	-
3.149e+04												
		-5.881e+04	-103.28	-0.04	0.0	10.5	-1128.15	-2162.31	18.06	62.40	99.42	-
4.504e+04												
						21.0	-1128.15	-2183.36	18.06	62.40	302.12	-
5.881e+04												
26	37	1.358e+04	64.85	6.82e-03	-42.10	0.0	1088.55	1296.13	-15.24	-29.62	64.85	
4889.70												
		4889.70	-281.38	0.04	0.0	10.5	1088.55	1275.08	-15.24	-29.62	-108.26	
9343.66												
						21.0	1088.55	1254.03	-15.24	-29.62	-281.38	
1.358e+04												
26	38	-1.693e+04	331.66	2.83e-03	-42.10	0.0	-1555.63	-1689.47	15.53	27.20	-37.08	-
1.693e+04												
		-5.246e+04	-37.08	-0.04	0.0	10.5	-1555.63	-1710.52	15.53	27.20	147.29	-
3.458e+04												
						21.0	-1555.63	-1731.57	15.53	27.20	331.66	-
5.246e+04												
26	39	6907.80	-2.51	8.97e-03	-42.10	0.0	1516.03	850.92	-12.66	5.89	-2.51	-
9863.97												
		-9863.97	-309.87	0.04	0.0	10.5	1516.03	829.87	-12.66	5.89	-156.19	-
1367.57												
						21.0	1516.03	808.82	-12.66	5.89	-309.87	
6907.80												
26	40	-3.168e+04	303.17	4.98e-03	-42.10	0.0	-1128.15	-2134.68	18.11	62.71	-104.44	-
3.168e+04												
		-5.913e+04	-104.44	-0.04	0.0	10.5	-1128.15	-2155.73	18.11	62.71	99.37	-
4.530e+04												
						21.0	-1128.15	-2176.78	18.11	62.71	303.17	-
5.913e+04												
26	41	1.390e+04	66.01	6.48e-03	-42.10	0.0	1088.55	1289.54	-15.30	-29.93	66.01	
5083.29												
		5083.29	-282.43	0.04	0.0	10.5	1088.55	1268.49	-15.30	-29.93	-108.21	
9600.32												
						21.0	1088.55	1247.44	-15.30	-29.93	-282.43	
1.390e+04												
26	42	-1.674e+04	330.61	2.51e-03	-42.10	0.0	-1555.62	-1696.05	15.48	26.88	-35.92	-
1.674e+04												
		-5.214e+04	-35.92	-0.04	0.0	10.5	-1555.62	-1717.10	15.48	26.88	147.34	-
3.433e+04												
						21.0	-1555.62	-1738.15	15.48	26.88	330.61	-
5.214e+04												
26	43	-2.264e+04	-92.58	9.02e-03	-42.10	0.0	808.96	-712.18	0.88	57.03	-92.58	-
2.945e+04												
		-2.945e+04	-99.36	0.02	0.0	10.5	808.96	-733.23	0.88	57.03	-95.97	-
2.593e+04												
						21.0	808.96	-754.28	0.88	57.03	-99.36	-
2.264e+04												
26	44	-3.553e+04	42.22	7.32e-03	-42.10	0.0	276.21	-1320.08	8.56	68.46	-120.14	-
3.553e+04												
		-3.932e+04	-120.14	-3.19e-03	0.0	10.5	276.21	-1341.13	8.56	68.46	-38.96	-
3.731e+04												
						21.0	276.21	-1362.18	8.56	68.46	42.22	-

3.932e+04												
26	45	8928.06	81.71	4.14e-03	-42.10	0.0	-315.81	474.95	-5.74	-35.68	81.71	
8928.06												
		-5914.58	-21.48	6.18e-03	0.0	10.5	-315.81	453.90	-5.74	-35.68	30.12	
1617.25												
						21.0	-315.81	432.85	-5.74	-35.68	-21.48	-
5914.58												
26	46	2849.08	120.10	2.44e-03	-42.10	0.0	-848.56	-132.95	1.94	-24.26	54.15	
2849.08												
		-2.260e+04	54.15	-0.01	0.0	10.5	-848.56	-154.00	1.94	-24.26	87.12	-
9763.14												
						21.0	-848.56	-175.05	1.94	-24.26	120.10	-
2.260e+04												
26	47	-2.313e+04	-94.29	8.64e-03	-42.10	0.0	856.71	-661.55	1.06	56.09	-94.29	-
2.991e+04												
		-2.991e+04	-101.43	0.02	0.0	10.5	856.71	-682.60	1.06	56.09	-97.86	-
2.641e+04												
						21.0	856.71	-703.65	1.06	56.09	-101.43	-
2.313e+04												
26	48	-3.507e+04	44.29	7.69e-03	-42.10	0.0	228.47	-1370.71	8.38	69.41	-118.43	-
3.507e+04												
		-3.883e+04	-118.43	-3.45e-03	0.0	10.5	228.47	-1391.76	8.38	69.41	-37.07	-
3.684e+04												
						21.0	228.47	-1412.81	8.38	69.41	44.29	-
3.883e+04												
26	49	8470.17	80.00	3.76e-03	-42.10	0.0	-268.07	525.58	-5.56	-36.63	80.00	
8470.17												
		-6406.73	-23.55	6.43e-03	0.0	10.5	-268.07	504.53	-5.56	-36.63	28.22	
1142.24												
						21.0	-268.07	483.48	-5.56	-36.63	-23.55	-
6406.73												
26	50	3306.97	122.17	2.82e-03	-42.10	0.0	-896.30	-183.58	1.75	-23.31	55.86	
3306.97												
		-2.210e+04	55.86	-0.01	0.0	10.5	-896.30	-204.63	1.75	-23.31	89.02	-
9288.12												
						21.0	-896.30	-225.68	1.75	-23.31	122.17	-
2.210e+04												
26	51	-2.348e+04	-95.51	9.94e-03	-42.10	0.0	808.34	-693.65	1.01	57.82	-95.51	-
2.996e+04												
		-2.996e+04	-96.54	0.02	0.0	10.5	808.34	-714.70	1.01	57.82	-96.02	-
2.661e+04												
						21.0	808.34	-735.76	1.01	57.82	-96.54	-
2.348e+04												
26	52	-3.604e+04	45.04	8.24e-03	-42.10	0.0	275.60	-1301.55	8.69	69.25	-123.07	-
3.604e+04												
		-4.016e+04	-123.07	-2.76e-03	0.0	10.5	275.60	-1322.60	8.69	69.25	-39.01	-
3.799e+04												
						21.0	275.60	-1343.66	8.69	69.25	45.04	-
4.016e+04												
26	53	9438.13	84.64	3.22e-03	-42.10	0.0	-315.19	456.42	-5.87	-36.47	84.64	
9438.13												
		-5068.34	-24.30	5.74e-03	0.0	10.5	-315.19	435.37	-5.87	-36.47	30.17	
2295.41												
						21.0	-315.19	414.32	-5.87	-36.47	-24.30	-
5068.34												
26	54	3359.15	117.28	1.51e-03	-42.10	0.0	-847.94	-151.48	1.81	-25.04	57.08	
3359.15												
		-2.175e+04	57.08	-0.01	0.0	10.5	-847.94	-172.53	1.81	-25.04	87.18	-
9084.98												
						21.0	-847.94	-193.58	1.81	-25.04	117.28	-
2.175e+04												
26	55	-2.397e+04	-97.22	9.57e-03	-42.10	0.0	856.09	-643.02	1.19	56.88	-97.22	-
3.042e+04												
		-3.042e+04	-98.61	0.02	0.0	10.5	856.09	-664.07	1.19	56.88	-97.91	-
2.708e+04												
						21.0	856.09	-685.12	1.19	56.88	-98.61	-
2.397e+04												
26	56	-3.558e+04	47.11	8.62e-03	-42.10	0.0	227.85	-1352.19	8.51	70.20	-121.35	-
3.558e+04												
		-3.967e+04	-121.35	-3.02e-03	0.0	10.5	227.85	-1373.24	8.51	70.20	-37.12	-
3.752e+04												
						21.0	227.85	-1394.29	8.51	70.20	47.11	-

3.967e+04												
26	57	8980.24	82.92	2.84e-03	-42.10	0.0	-267.45	507.05	-5.69	-37.42	82.92	
8980.24												
		-5560.48	-26.37	6.00e-03	0.0	10.5	-267.45	486.00	-5.69	-37.42	28.28	
1820.39												
						21.0	-267.45	464.95	-5.69	-37.42	-26.37	-
5560.48												
26	58	3817.04	119.35	1.89e-03	-42.10	0.0	-895.69	-202.11	1.62	-24.10	58.79	
3817.04												
		-2.126e+04	58.79	-0.01	0.0	10.5	-895.69	-223.16	1.62	-24.10	89.07	-
8609.96												
						21.0	-895.69	-244.21	1.62	-24.10	119.35	-
2.126e+04												
26	59	2678.86	0.57	9.30e-03	-42.10	0.0	1036.83	412.53	-10.40	11.25	0.57	-
8924.94												
		-8924.94	-237.27	0.03	0.0	10.5	1036.83	391.48	-10.40	11.25	-118.35	-
3012.52												
						21.0	1036.83	370.43	-10.40	11.25	-237.27	
2678.86												
26	60	-2.919e+04	234.65	3.62e-03	-42.10	0.0	-739.00	-1613.80	15.20	49.34	-91.29	-
2.919e+04												
		-5.293e+04	-91.29	-0.03	0.0	10.5	-739.00	-1634.85	15.20	49.34	71.68	-
4.095e+04												
						21.0	-739.00	-1655.90	15.20	49.34	234.65	-
5.293e+04												
26	61	7695.16	52.86	7.84e-03	-42.10	0.0	699.40	768.67	-12.39	-16.57	52.86	
2588.20												
		2588.20	-213.91	0.03	0.0	10.5	699.40	747.62	-12.39	-16.57	-80.52	
5252.20												
						21.0	699.40	726.57	-12.39	-16.57	-213.91	
7695.16												
26	62	-1.768e+04	258.01	2.20e-03	-42.10	0.0	-1076.43	-1257.66	13.22	21.53	-39.01	-
1.768e+04												
		-4.791e+04	-39.01	-0.03	0.0	10.5	-1076.43	-1278.72	13.22	21.53	109.50	-
3.268e+04												
						21.0	-1076.43	-1299.77	13.22	21.53	258.01	-
4.791e+04												
26	63	2424.99	-0.30	9.58e-03	-42.10	0.0	1036.64	418.09	-10.36	11.49	-0.30	-
9077.96												
		-9077.96	-236.43	0.03	0.0	10.5	1036.64	397.04	-10.36	11.49	-118.36	-
3215.97												
						21.0	1036.64	375.99	-10.36	11.49	-236.43	
2424.99												
26	64	-2.934e+04	235.50	3.90e-03	-42.10	0.0	-739.18	-1608.25	15.24	49.58	-92.17	-
2.934e+04												
		-5.318e+04	-92.17	-0.03	0.0	10.5	-739.18	-1629.30	15.24	49.58	71.66	-
4.115e+04												
						21.0	-739.18	-1650.35	15.24	49.58	235.50	-
5.318e+04												
26	65	7949.04	53.74	7.56e-03	-42.10	0.0	699.58	763.11	-12.43	-16.80	53.74	
2741.22												
		2741.22	-214.75	0.03	0.0	10.5	699.58	742.06	-12.43	-16.80	-80.51	
5455.65												
						21.0	699.58	721.01	-12.43	-16.80	-214.75	
7949.04												
26	66	-1.752e+04	257.17	1.96e-03	-42.10	0.0	-1076.24	-1263.22	13.18	21.29	-38.13	-
1.752e+04												
		-4.766e+04	-38.13	-0.03	0.0	10.5	-1076.24	-1284.27	13.18	21.29	109.52	-
3.248e+04												
						21.0	-1076.24	-1305.32	13.18	21.29	257.17	-
4.766e+04												
26	67	1038.37	-5.13	8.04e-03	-42.10	0.0	1195.98	581.30	-9.79	8.10	-5.13	-
1.045e+04												
		-1.045e+04	-244.17	0.04	0.0	10.5	1195.98	560.25	-9.79	8.10	-124.65	-
4595.92												
						21.0	1195.98	539.20	-9.79	8.10	-244.17	
1038.37												
26	68	-2.766e+04	241.55	4.88e-03	-42.10	0.0	-898.14	-1782.57	14.60	52.50	-85.58	-
2.766e+04												
		-5.129e+04	-85.58	-0.03	0.0	10.5	-898.14	-1803.62	14.60	52.50	77.98	-
3.936e+04												
						21.0	-898.14	-1824.67	14.60	52.50	241.55	-

5.129e+04												
	26	69	6054.67	47.15	6.58e-03	-42.10	0.0	858.54	937.44	-11.78	-19.72	47.15
1061.91												
			1061.91	-220.81	0.03	0.0	10.5	858.54	916.39	-11.78	-19.72	-86.83
3668.81												
							21.0	858.54	895.34	-11.78	-19.72	-220.81
6054.67												
	26	70	-1.615e+04	264.92	3.42e-03	-42.10	0.0	-1235.57	-1426.44	12.61	24.68	-33.30
1.615e+04												
			-4.627e+04	-33.30	-0.03	0.0	10.5	-1235.57	-1447.49	12.61	24.68	115.81
3.110e+04												
							21.0	-1235.57	-1468.54	12.61	24.68	264.92
4.627e+04												
	26	71	784.49	-6.01	8.32e-03	-42.10	0.0	1195.79	586.86	-9.75	8.33	-6.01
1.060e+04												
			-1.060e+04	-243.33	0.04	0.0	10.5	1195.79	565.81	-9.75	8.33	-124.67
4799.36												
							21.0	1195.79	544.76	-9.75	8.33	-243.33
	26	72	-2.781e+04	242.40	5.16e-03	-42.10	0.0	-898.33	-1777.02	14.63	52.73	-86.46
2.781e+04												
			-5.154e+04	-86.46	-0.03	0.0	10.5	-898.33	-1798.07	14.63	52.73	77.97
3.957e+04												
							21.0	-898.33	-1819.12	14.63	52.73	242.40
5.154e+04												
	26	73	6308.54	48.03	6.30e-03	-42.10	0.0	858.73	931.88	-11.82	-19.96	48.03
1214.93												
			1214.93	-221.66	0.03	0.0	10.5	858.73	910.83	-11.82	-19.96	-86.81
3872.25												
							21.0	858.73	889.78	-11.82	-19.96	-221.66
6308.54												
	26	74	-1.600e+04	264.07	3.14e-03	-42.10	0.0	-1235.39	-1431.99	12.57	24.45	-32.42
1.600e+04												
			-4.602e+04	-32.42	-0.03	0.0	10.5	-1235.39	-1453.04	12.57	24.45	115.83
3.090e+04												
							21.0	-1235.39	-1474.09	12.57	24.45	264.07
4.602e+04												
	26	75	-2.263e+04	-79.93	8.44e-03	-42.10	0.0	665.81	-662.84	0.98	50.00	-79.93
2.666e+04												
			-2.666e+04	-80.32	0.01	0.0	10.5	665.81	-683.89	0.98	50.00	-80.12
2.453e+04												
							21.0	665.81	-704.94	0.98	50.00	-80.32
2.263e+04												
	26	76	-3.168e+04	36.68	7.03e-03	-42.10	0.0	225.49	-1165.28	7.33	59.46	-102.72
3.168e+04												
			-3.642e+04	-102.72	-2.38e-03	0.0	10.5	225.49	-1186.33	7.33	59.46	-33.02
3.394e+04												
							21.0	225.49	-1207.38	7.33	59.46	36.68
3.642e+04												
	26	77	5083.40	64.28	4.43e-03	-42.10	0.0	-265.09	320.15	-4.51	-26.68	64.28
5083.40												
			-8812.59	-15.94	5.37e-03	0.0	10.5	-265.09	299.10	-4.51	-26.68	24.17
1754.08												
							21.0	-265.09	278.05	-4.51	-26.68	-15.94
8812.59												
	26	78	57.30	101.06	3.02e-03	-42.10	0.0	-705.41	-182.30	1.84	-17.22	41.50
57.30			-2.260e+04	41.50	-0.01	0.0	10.5	-705.41	-203.35	1.84	-17.22	71.28
1.116e+04												
							21.0	-705.41	-224.40	1.84	-17.22	101.06
2.260e+04												
	26	79	-2.304e+04	-81.34	8.13e-03	-42.10	0.0	705.26	-620.99	1.13	49.22	-81.34
2.704e+04												
			-2.704e+04	-82.03	0.01	0.0	10.5	705.26	-642.05	1.13	49.22	-81.69
2.493e+04												
							21.0	705.26	-663.10	1.13	49.22	-82.03
2.304e+04												
	26	80	-3.131e+04	38.39	7.35e-03	-42.10	0.0	186.03	-1207.12	7.18	60.24	-101.30
3.131e+04												
			-3.601e+04	-101.30	-2.60e-03	0.0	10.5	186.03	-1228.17	7.18	60.24	-31.46
3.355e+04												
							21.0	186.03	-1249.22	7.18	60.24	38.39
3.601e+04												
	26	81	4705.42	62.87	4.11e-03	-42.10	0.0	-225.63	361.99	-4.36	-27.46	62.87

4705.42												
		-9219.28	-17.65	5.58e-03	0.0	10.5	-225.63	340.94	-4.36	-27.46	22.61	-
2146.42												
						21.0	-225.63	319.89	-4.36	-27.46	-17.65	-
9219.28												
26	82	435.28	102.78	3.33e-03	-42.10	0.0	-744.86	-224.14	1.69	-16.44	42.91	435.28
		-2.219e+04	42.91	-0.01	0.0	10.5	-744.86	-245.19	1.69	-16.44	72.84	-
1.077e+04												
						21.0	-744.86	-266.24	1.69	-16.44	102.78	-
2.219e+04												
26	83	-2.333e+04	-78.00	9.20e-03	-42.10	0.0	665.21	-647.44	1.09	50.65	-82.34	-
2.708e+04												
		-2.708e+04	-82.34	0.01	0.0	10.5	665.21	-668.49	1.09	50.65	-80.17	-
2.509e+04												
						21.0	665.21	-689.54	1.09	50.65	-78.00	-
2.333e+04												
26	84	-3.210e+04	39.01	7.79e-03	-42.10	0.0	224.89	-1149.89	7.44	60.11	-105.13	-
3.210e+04												
		-3.712e+04	-105.13	-2.03e-03	0.0	10.5	224.89	-1170.94	7.44	60.11	-33.06	-
3.450e+04												
						21.0	224.89	-1191.99	7.44	60.11	39.01	-
3.712e+04												
26	85	5501.64	66.70	3.67e-03	-42.10	0.0	-264.49	304.75	-4.62	-27.33	66.70	
5501.64												
		-8113.19	-18.26	5.01e-03	0.0	10.5	-264.49	283.70	-4.62	-27.33	24.22	-
1195.26												
						21.0	-264.49	262.65	-4.62	-27.33	-18.26	-
8113.19												
26	86	475.55	98.74	2.26e-03	-42.10	0.0	-704.81	-197.69	1.73	-17.87	43.91	475.55
		-2.190e+04	43.91	-0.01	0.0	10.5	-704.81	-218.75	1.73	-17.87	71.33	-
1.060e+04												
						21.0	-704.81	-239.80	1.73	-17.87	98.74	-
2.190e+04												
26	87	-2.374e+04	-79.71	8.89e-03	-42.10	0.0	704.66	-605.60	1.24	49.87	-83.76	-
2.745e+04												
		-2.745e+04	-83.76	0.01	0.0	10.5	704.66	-626.65	1.24	49.87	-81.73	-
2.549e+04												
						21.0	704.66	-647.70	1.24	49.87	-79.71	-
2.374e+04												
26	88	-3.172e+04	40.72	8.11e-03	-42.10	0.0	185.44	-1191.73	7.28	60.89	-103.72	-
3.172e+04												
		-3.671e+04	-103.72	-2.24e-03	0.0	10.5	185.44	-1212.78	7.28	60.89	-31.50	-
3.411e+04												
						21.0	185.44	-1233.83	7.28	60.89	40.72	-
3.671e+04												
26	89	5123.66	65.29	3.35e-03	-42.10	0.0	-225.03	346.59	-4.47	-28.11	65.29	
5123.66												
		-8519.89	-19.97	5.23e-03	0.0	10.5	-225.03	325.54	-4.47	-28.11	22.66	-
1587.60												
						21.0	-225.03	304.49	-4.47	-28.11	-19.97	-
8519.89												
26	90	853.52	100.45	2.57e-03	-42.10	0.0	-744.26	-239.54	1.58	-17.09	45.32	853.52
		-2.149e+04	45.32	-0.01	0.0	10.5	-744.26	-260.59	1.58	-17.09	72.89	-
1.021e+04												
						21.0	-744.26	-281.64	1.58	-17.09	100.45	-
2.149e+04												
26	91	-1712.15	-2.87	8.68e-03	-42.10	0.0	853.70	267.40	-8.35	12.13	-2.87	-
9684.28												
		-9684.28	-194.29	0.03	0.0	10.5	853.70	246.35	-8.35	12.13	-98.58	-
5587.70												
						21.0	853.70	225.30	-8.35	12.13	-194.29	-
1712.15												
26	92	-2.644e+04	195.72	3.99e-03	-42.10	0.0	-614.03	-1407.43	12.81	43.65	-78.83	-
2.644e+04												
		-4.767e+04	-78.83	-0.02	0.0	10.5	-614.03	-1428.48	12.81	43.65	58.45	-
3.694e+04												
						21.0	-614.03	-1449.53	12.81	43.65	195.72	-
4.767e+04												
26	93	2434.04	40.40	7.47e-03	-42.10	0.0	574.44	562.29	-9.99	-10.88	40.40	-
162.07												
		-162.07	-174.98	0.03	0.0	10.5	574.44	541.24	-9.99	-10.88	-67.29	
1246.50												

						21.0	574.44	520.19	-9.99	-10.88	-174.98	
2434.04												
26	94	-1.692e+04	215.03	2.78e-03	-42.10	0.0	-893.30	-1112.53	11.16	20.65	-35.57	-
1.692e+04												
		-4.352e+04	-35.57	-0.03	0.0	10.5	-893.30	-1133.58	11.16	20.65	89.73	-
3.011e+04												
						21.0	-893.30	-1154.63	11.16	20.65	215.03	-
4.352e+04												
26	95	-1921.97	-3.59	8.91e-03	-42.10	0.0	853.52	272.01	-8.31	12.32	-3.59	-
9809.76												
		-9809.76	-193.59	0.03	0.0	10.5	853.52	250.96	-8.31	12.32	-98.59	-
5755.35												
						21.0	853.52	229.91	-8.31	12.32	-193.59	-
1921.97												
26	96	-2.656e+04	196.42	4.21e-03	-42.10	0.0	-614.21	-1402.81	12.84	43.85	-79.55	-
2.656e+04												
		-4.788e+04	-79.55	-0.02	0.0	10.5	-614.21	-1423.86	12.84	43.85	58.43	-
3.711e+04												
						21.0	-614.21	-1444.91	12.84	43.85	196.42	-
4.788e+04												
26	97	2643.86	41.12	7.24e-03	-42.10	0.0	574.62	557.67	-10.03	-11.07	41.12	-36.60
		-36.60	-175.67	0.03	0.0	10.5	574.62	536.62	-10.03	-11.07	-67.28	
1414.14												
						21.0	574.62	515.57	-10.03	-11.07	-175.67	
2643.86												
26	98	-1.679e+04	214.34	2.55e-03	-42.10	0.0	-893.12	-1117.15	11.13	20.46	-34.84	-
1.679e+04												
		-4.331e+04	-34.84	-0.03	0.0	10.5	-893.12	-1138.20	11.13	20.46	89.75	-
2.994e+04												
						21.0	-893.12	-1159.25	11.13	20.46	214.34	-
4.331e+04												
26	99	-3067.80	-7.57	7.64e-03	-42.10	0.0	985.22	406.86	-7.84	9.52	-7.57	-
1.094e+04												
		-1.094e+04	-199.99	0.03	0.0	10.5	985.22	385.81	-7.84	9.52	-103.78	-
6895.49												
						21.0	985.22	364.76	-7.84	9.52	-199.99	-
3067.80												
26	100	-2.518e+04	201.42	5.03e-03	-42.10	0.0	-745.55	-1546.89	12.31	46.26	-74.12	-
2.518e+04												
		-4.631e+04	-74.12	-0.02	0.0	10.5	-745.55	-1567.94	12.31	46.26	63.65	-
3.563e+04												
						21.0	-745.55	-1589.00	12.31	46.26	201.42	-
4.631e+04												
26	101	1078.39	35.69	6.43e-03	-42.10	0.0	705.95	701.76	-9.49	-13.48	35.69	-
1422.00												
		-1422.00	-180.68	0.03	0.0	10.5	705.95	680.71	-9.49	-13.48	-72.49	-61.29
						21.0	705.95	659.66	-9.49	-13.48	-180.68	
1078.39												
26	102	-1.566e+04	220.74	3.82e-03	-42.10	0.0	-1024.82	-1252.00	10.66	23.26	-30.86	-
1.566e+04												
		-4.216e+04	-30.86	-0.03	0.0	10.5	-1024.82	-1273.05	10.66	23.26	94.94	-
2.880e+04												
						21.0	-1024.82	-1294.10	10.66	23.26	220.74	-
4.216e+04												
26	103	-3277.62	-8.30	7.87e-03	-42.10	0.0	985.04	411.48	-7.81	9.72	-8.30	-
1.107e+04												
		-1.107e+04	-199.30	0.03	0.0	10.5	985.04	390.43	-7.81	9.72	-103.80	-
7063.14												
						21.0	985.04	369.38	-7.81	9.72	-199.30	-
3277.62												
26	104	-2.530e+04	202.12	5.25e-03	-42.10	0.0	-745.73	-1542.28	12.34	46.46	-74.85	-
2.530e+04												
		-4.652e+04	-74.85	-0.02	0.0	10.5	-745.73	-1563.33	12.34	46.46	63.64	-
3.580e+04												
						21.0	-745.73	-1584.38	12.34	46.46	202.12	-
4.652e+04												
26	105	1288.21	36.42	6.20e-03	-42.10	0.0	706.13	697.14	-9.52	-13.68	36.42	-
1296.52												
		-1296.52	-181.38	0.03	0.0	10.5	706.13	676.09	-9.52	-13.68	-72.48	106.36
						21.0	706.13	655.04	-9.52	-13.68	-181.38	
1288.21												
26	106	-1.553e+04	220.04	3.59e-03	-42.10	0.0	-1024.64	-1256.62	10.63	23.06	-30.13	-

1.553e+04												
		-4.195e+04	-30.13	-0.03	0.0	10.5	-1024.64	-1277.67	10.63	23.06	94.95	-
2.863e+04												
						21.0	-1024.64	-1298.72	10.63	23.06	220.04	-
4.195e+04												
27	1	1131.93	1.21	-0.01	-17.07	0.0	1.92	32.28	-0.04	-0.75	1.21	-
1289.62												
		-1289.62	-2.74	6.41e-03	0.0	51.0	1.92	23.74	-0.04	-0.75	-0.76	138.81
						102.0	1.92	15.21	-0.04	-0.75	-2.74	
1131.93												
27	2	7891.47	5.87	-0.05	-17.07	0.0	12.33	164.68	-0.18	-2.16	5.87	-
8035.62												
		-8035.62	-12.11	0.01	0.0	51.0	12.33	156.15	-0.18	-2.16	-3.12	145.58
						102.0	12.33	147.61	-0.18	-2.16	-12.11	
7891.47												
27	3	743.15	0.85	-7.11e-03	-13.13	0.0	1.28	22.33	-0.03	-0.55	0.85	-
864.71												
		-864.71	-1.93	4.82e-03	0.0	51.0	1.28	15.76	-0.03	-0.55	-0.54	106.65
						102.0	1.28	9.20	-0.03	-0.55	-1.93	743.15
27	4	7502.69	5.50	-0.04	-13.13	0.0	11.69	154.74	-0.16	-1.96	5.50	-
7610.70												
		-7610.70	-11.30	0.01	0.0	51.0	11.69	148.17	-0.16	-1.96	-2.90	113.42
						102.0	11.69	141.60	-0.16	-1.96	-11.30	
7502.69												
27	5	815.26	0.90	-7.50e-03	-13.13	0.0	1.40	23.74	-0.03	-0.57	0.90	-
936.66												
		-936.66	-2.03	4.88e-03	0.0	51.0	1.40	17.18	-0.03	-0.57	-0.57	106.72
						102.0	1.40	10.61	-0.03	-0.57	-2.03	815.26
27	6	5321.61	4.00	-0.03	-13.13	0.0	8.33	112.01	-0.12	-1.50	4.00	-
5433.99												
		-5433.99	-8.28	8.83e-03	0.0	51.0	8.33	105.45	-0.12	-1.50	-2.14	111.24
						102.0	8.33	98.88	-0.12	-1.50	-8.28	
5321.61												
27	7	815.26	0.90	-7.50e-03	-13.13	0.0	1.40	23.74	-0.03	-0.57	0.90	-
936.66												
		-936.66	-2.03	4.88e-03	0.0	51.0	1.40	17.18	-0.03	-0.57	-0.57	106.72
						102.0	1.40	10.61	-0.03	-0.57	-2.03	815.26
27	8	3969.71	3.07	-0.02	-13.13	0.0	6.25	85.53	-0.09	-1.22	3.07	-
4084.79												
		-4084.79	-6.40	7.65e-03	0.0	51.0	6.25	78.97	-0.09	-1.22	-1.67	109.88
						102.0	6.25	72.40	-0.09	-1.22	-6.40	
3969.71												
27	9	815.26	0.90	-7.50e-03	-13.13	0.0	1.40	23.74	-0.03	-0.57	0.90	-
936.66												
		-936.66	-2.03	4.88e-03	0.0	51.0	1.40	17.18	-0.03	-0.57	-0.57	106.72
						102.0	1.40	10.61	-0.03	-0.57	-2.03	815.26
27	10	3519.07	2.76	-0.02	-13.13	0.0	5.56	76.70	-0.08	-1.13	2.76	-
3635.06												
		-3635.06	-5.78	7.25e-03	0.0	51.0	5.56	70.14	-0.08	-1.13	-1.51	109.43
						102.0	5.56	63.57	-0.08	-1.13	-5.78	
3519.07												
27	11	9046.48	39.71	-0.05	-13.13	0.0	33.49	185.14	-0.90	-12.63	39.71	-
9168.45												
		-9168.45	-52.27	0.09	0.0	51.0	33.49	178.58	-0.90	-12.63	-6.28	106.44
						102.0	33.49	172.01	-0.90	-12.63	-52.27	
9046.48												
27	12	1.756e+04	57.44	0.06	-13.13	0.0	22.78	352.04	-1.29	-5.32	57.44	-
1.768e+04												
		-1.768e+04	-74.65	9.45e-03	0.0	51.0	22.78	345.47	-1.29	-5.32	-8.60	103.48
						102.0	22.78	338.91	-1.29	-5.32	-74.65	
1.756e+04												
27	13	1.041e+04	63.09	-0.10	-13.13	0.0	-11.66	-198.63	1.13	3.06	-51.93	
1.041e+04												
		-1.052e+04	-51.93	5.05e-03	0.0	51.0	-11.66	-205.20	1.13	3.06	5.58	115.38
						102.0	-11.66	-211.76	1.13	3.06	63.09	-
1.052e+04												
27	14	1898.33	40.71	9.01e-03	-13.13	0.0	-22.37	-31.73	0.73	10.37	-34.19	
1898.33												
		-2008.34	-34.19	-0.07	0.0	51.0	-22.37	-38.30	0.73	10.37	3.26	112.42
						102.0	-22.37	-44.87	0.73	10.37	40.71	-
2008.34												
27	15	9489.78	41.53	-0.05	-13.13	0.0	33.75	193.84	-0.94	-13.06	41.53	-

9612.04												
		-9612.04	-54.54	0.08	0.0	51.0	33.75	187.27	-0.94	-13.06	-6.50	106.30
						102.0	33.75	180.71	-0.94	-13.06	-54.54	
9489.78												
27	16	1.711e+04	55.62	0.06	-13.13	0.0	22.51	343.34	-1.25	-4.88	55.62	-
1.724e+04												
		-1.724e+04	-72.38	0.02	0.0	51.0	22.51	336.78	-1.25	-4.88	-8.38	103.63
						102.0	22.51	330.21	-1.25	-4.88	-72.38	
1.711e+04												
27	17	9969.39	60.82	-0.10	-13.13	0.0	-11.39	-189.94	1.09	2.62	-50.10	
9969.39												
		-1.007e+04	-50.10	-1.50e-03	0.0	51.0	-11.39	-196.50	1.09	2.62	5.36	115.24
						102.0	-11.39	-203.07	1.09	2.62	60.82	-
1.007e+04												
27	18	2341.91	42.98	7.32e-03	-13.13	0.0	-22.64	-40.43	0.77	10.80	-36.02	
2341.91												
		-2451.64	-36.02	-0.07	0.0	51.0	-22.64	-47.00	0.77	10.80	3.48	112.56
						102.0	-22.64	-53.56	0.77	10.80	42.98	-
2451.64												
27	19	9389.56	42.11	-0.05	-13.13	0.0	33.17	191.88	-0.95	-12.63	42.11	-
9512.07												
		-9512.07	-55.04	0.09	0.0	51.0	33.17	185.31	-0.95	-12.63	-6.47	106.17
						102.0	33.17	178.74	-0.95	-12.63	-55.04	
9389.56												
27	20	1.790e+04	59.84	0.06	-13.13	0.0	22.46	358.77	-1.35	-5.33	59.84	-
1.803e+04												
		-1.803e+04	-77.42	0.01	0.0	51.0	22.46	352.21	-1.35	-5.33	-8.79	103.21
						102.0	22.46	345.64	-1.35	-5.33	-77.42	
1.790e+04												
27	21	1.076e+04	65.87	-0.10	-13.13	0.0	-11.34	-205.36	1.18	3.07	-54.33	
1.076e+04												
		-1.086e+04	-54.33	4.50e-03	0.0	51.0	-11.34	-211.93	1.18	3.07	5.77	115.65
						102.0	-11.34	-218.49	1.18	3.07	65.87	-
1.086e+04												
27	22	2241.94	43.49	8.10e-03	-13.13	0.0	-22.05	-38.47	0.78	10.38	-36.59	
2241.94												
		-2351.42	-36.59	-0.07	0.0	51.0	-22.05	-45.03	0.78	10.38	3.45	112.69
						102.0	-22.05	-51.60	0.78	10.38	43.49	-
2351.42												
27	23	9832.85	43.93	-0.05	-13.13	0.0	33.44	200.57	-0.99	-13.07	43.93	-
9955.65												
		-9955.65	-57.31	0.08	0.0	51.0	33.44	194.00	-0.99	-13.07	-6.69	106.03
						102.0	33.44	187.44	-0.99	-13.07	-57.31	
9832.85												
27	24	1.745e+04	58.02	0.06	-13.13	0.0	22.19	350.08	-1.31	-4.89	58.02	-
1.758e+04												
		-1.758e+04	-75.15	0.02	0.0	51.0	22.19	343.51	-1.31	-4.89	-8.57	103.36
						102.0	22.19	336.95	-1.31	-4.89	-75.15	
1.745e+04												
27	25	1.031e+04	63.60	-0.10	-13.13	0.0	-11.07	-196.67	1.14	2.63	-52.51	
1.031e+04												
		-1.042e+04	-52.51	-2.06e-03	0.0	51.0	-11.07	-203.23	1.14	2.63	5.55	115.51
						102.0	-11.07	-209.80	1.14	2.63	63.60	-
1.042e+04												
27	26	2685.53	45.76	6.41e-03	-13.13	0.0	-22.32	-47.16	0.83	10.81	-38.42	
2685.53												
		-2794.71	-38.42	-0.07	0.0	51.0	-22.32	-53.73	0.83	10.81	3.67	112.83
						102.0	-22.32	-60.29	0.83	10.81	45.76	-
2794.71												
27	27	7618.80	14.22	-0.20	-13.13	0.0	30.18	-143.89	0.27	-15.66	-13.06	
7618.80												
		-7727.60	-13.06	0.15	0.0	51.0	30.18	-150.45	0.27	-15.66	0.58	113.03
						102.0	30.18	-157.02	0.27	-15.66	14.22	-
7727.60												
27	28	2.063e+04	46.06	0.17	-13.13	0.0	-5.52	412.43	-1.04	8.70	46.06	-
2.076e+04												
		-2.076e+04	-60.38	-0.11	0.0	51.0	-5.52	405.86	-1.04	8.70	-7.16	103.15
						102.0	-5.52	399.30	-1.04	8.70	-60.38	
2.063e+04												
27	29	1.349e+04	48.82	-0.22	-13.13	0.0	16.64	-259.02	0.88	-10.95	-40.55	
1.349e+04												
		-1.360e+04	-40.55	0.12	0.0	51.0	16.64	-265.59	0.88	-10.95	4.14	115.71

						102.0	16.64	-272.15	0.88	-10.95	48.82	-1.360e+04
27	30	1.477e+04	18.57	0.16	-13.13	0.0	-19.07	297.30	-0.43	13.40	18.57	-1.489e+04
		-1.489e+04	-25.77	-0.13	0.0	51.0	-19.07	290.73	-0.43	13.40	-3.60	105.84
						102.0	-19.07	284.17	-0.43	13.40	-25.77	1.477e+04
27	31	7515.71	13.38	-0.20	-13.13	0.0	30.09	-141.87	0.25	-15.66	-12.34	7515.71
		-7624.68	-12.34	0.15	0.0	51.0	30.09	-148.44	0.25	-15.66	0.52	112.95
						102.0	30.09	-155.00	0.25	-15.66	13.38	-7624.68
27	32	2.074e+04	46.78	0.17	-13.13	0.0	-5.62	414.45	-1.06	8.69	46.78	-2.087e+04
		-2.087e+04	-61.21	-0.11	0.0	51.0	-5.62	407.88	-1.06	8.69	-7.22	103.07
						102.0	-5.62	401.32	-1.06	8.69	-61.21	2.074e+04
27	33	1.360e+04	49.66	-0.22	-13.13	0.0	16.73	-261.04	0.89	-10.95	-41.27	1.360e+04
		-1.370e+04	-41.27	0.12	0.0	51.0	16.73	-267.61	0.89	-10.95	4.19	115.79
						102.0	16.73	-274.17	0.89	-10.95	49.66	-1.370e+04
27	34	1.466e+04	17.85	0.16	-13.13	0.0	-18.97	295.28	-0.42	13.41	17.85	-1.479e+04
		-1.479e+04	-24.94	-0.13	0.0	51.0	-18.97	288.71	-0.42	13.41	-3.54	105.92
						102.0	-18.97	282.15	-0.42	13.41	-24.94	1.466e+04
27	35	6140.19	6.65	-0.19	-13.13	0.0	31.07	-114.91	0.13	-17.12	-6.98	6140.19
		-6249.95	-6.98	0.13	0.0	51.0	31.07	-121.47	0.13	-17.12	-0.16	112.54
						102.0	31.07	-128.04	0.13	-17.12	6.65	-6249.95
27	36	1.916e+04	39.98	0.17	-13.13	0.0	-6.41	383.45	-0.91	10.15	39.98	-1.928e+04
		-1.928e+04	-52.82	-0.09	0.0	51.0	-6.41	376.88	-0.91	10.15	-6.42	103.64
						102.0	-6.41	370.32	-0.91	10.15	-52.82	1.916e+04
27	37	1.201e+04	41.26	-0.21	-13.13	0.0	17.53	-230.04	0.74	-12.41	-34.47	1.201e+04
		-1.212e+04	-34.47	0.10	0.0	51.0	17.53	-236.60	0.74	-12.41	3.40	115.23
						102.0	17.53	-243.17	0.74	-12.41	41.26	-1.212e+04
27	38	1.329e+04	12.49	0.15	-13.13	0.0	-19.95	268.31	-0.30	14.86	12.49	-1.341e+04
		-1.341e+04	-18.21	-0.11	0.0	51.0	-19.95	261.75	-0.30	14.86	-2.86	106.32
						102.0	-19.95	255.18	-0.30	14.86	-18.21	1.329e+04
27	39	6037.10	5.82	-0.19	-13.13	0.0	30.98	-112.89	0.12	-17.12	-6.26	6037.10
		-6147.03	-6.26	0.13	0.0	51.0	30.98	-119.45	0.12	-17.12	-0.22	112.46
						102.0	30.98	-126.02	0.12	-17.12	5.82	-6147.03
27	40	1.926e+04	40.70	0.17	-13.13	0.0	-6.50	385.47	-0.92	10.15	40.70	-1.939e+04
		-1.939e+04	-53.65	-0.09	0.0	51.0	-6.50	378.90	-0.92	10.15	-6.47	103.56
						102.0	-6.50	372.34	-0.92	10.15	-53.65	1.926e+04
27	41	1.212e+04	42.09	-0.21	-13.13	0.0	17.62	-232.06	0.76	-12.41	-35.19	1.212e+04
		-1.222e+04	-35.19	0.10	0.0	51.0	17.62	-238.62	0.76	-12.41	3.45	115.31
						102.0	17.62	-245.19	0.76	-12.41	42.09	-1.222e+04
27	42	1.319e+04	11.77	0.15	-13.13	0.0	-19.86	266.30	-0.29	14.86	11.77	-1.331e+04
		-1.331e+04	-17.37	-0.11	0.0	51.0	-19.86	259.73	-0.29	14.86	-2.80	106.40
						102.0	-19.86	253.16	-0.29	14.86	-17.37	1.319e+04
27	43	7861.21	31.88	-0.05	-13.13	0.0	27.57	161.89	-0.73	-10.23	31.88	-7981.97
		-7981.97	-42.40	0.07	0.0	51.0	27.57	155.33	-0.73	-10.23	-5.26	107.04
						102.0	27.57	148.76	-0.73	-10.23	-42.40	7861.21

27	44	1.460e+04	45.89	0.04	-13.13	0.0	19.14	294.11	-1.04	-4.45	45.89	-1.473e+04
		-1.473e+04	-60.08	8.93e-03	0.0	51.0	19.14	287.54	-1.04	-4.45	-7.10	104.70
						102.0	19.14	280.98	-1.04	-4.45	-60.08	1.460e+04
27	45	7457.28	48.53	-0.09	-13.13	0.0	-8.02	-140.70	0.87	2.19	-40.38	7457.28
		-7563.80	-40.38	5.58e-03	0.0	51.0	-8.02	-147.27	0.87	2.19	4.08	114.17
						102.0	-8.02	-153.83	0.87	2.19	48.53	-7563.80
27	46	711.85	30.84	2.39e-03	-13.13	0.0	-16.45	-8.48	0.56	7.97	-26.37	711.85
		-823.07	-26.37	-0.06	0.0	51.0	-16.45	-15.05	0.56	7.97	2.24	111.82
						102.0	-16.45	-21.61	0.56	7.97	30.84	-823.07
27	47	8213.55	33.34	-0.05	-13.13	0.0	27.78	168.80	-0.76	-10.58	33.34	-8334.55
		-8334.55	-44.21	0.07	0.0	51.0	27.78	162.24	-0.76	-10.58	-5.44	106.93
						102.0	27.78	155.67	-0.76	-10.58	-44.21	8213.55
27	48	1.425e+04	44.44	0.04	-13.13	0.0	18.92	287.20	-1.01	-4.10	44.44	-1.437e+04
		-1.437e+04	-58.27	0.01	0.0	51.0	18.92	280.63	-1.01	-4.10	-6.92	104.81
						102.0	18.92	274.07	-1.01	-4.10	-58.27	1.425e+04
27	49	7104.70	46.72	-0.08	-13.13	0.0	-7.80	-133.79	0.84	1.85	-38.93	7104.70
		-7211.45	-38.93	3.86e-04	0.0	51.0	-7.80	-140.35	0.84	1.85	3.90	114.05
						102.0	-7.80	-146.92	0.84	1.85	46.72	-7211.45
27	50	1064.42	32.65	1.05e-03	-13.13	0.0	-16.66	-15.39	0.59	8.32	-27.82	1064.42
		-1175.41	-27.82	-0.05	0.0	51.0	-16.66	-21.96	0.59	8.32	2.42	111.93
						102.0	-16.66	-28.52	0.59	8.32	32.65	-1175.41
27	51	8118.93	33.74	-0.05	-13.13	0.0	27.31	166.95	-0.77	-10.24	33.74	-8240.15
		-8240.15	-44.55	0.07	0.0	51.0	27.31	160.38	-0.77	-10.24	-5.40	106.82
						102.0	27.31	153.82	-0.77	-10.24	-44.55	8118.93
27	52	1.486e+04	47.75	0.04	-13.13	0.0	18.87	299.17	-1.08	-4.46	47.75	-1.499e+04
		-1.499e+04	-62.23	9.33e-03	0.0	51.0	18.87	292.60	-1.08	-4.46	-7.24	104.47
						102.0	18.87	286.03	-1.08	-4.46	-62.23	1.486e+04
27	53	7715.45	50.68	-0.09	-13.13	0.0	-7.76	-145.76	0.91	2.20	-42.24	7715.45
		-7821.52	-42.24	5.17e-03	0.0	51.0	-7.76	-152.32	0.91	2.20	4.22	114.39
						102.0	-7.76	-158.89	0.91	2.20	50.68	-7821.52
27	54	970.02	32.99	1.67e-03	-13.13	0.0	-16.19	-13.54	0.60	7.98	-28.23	970.02
		-1080.79	-28.23	-0.06	0.0	51.0	-16.19	-20.11	0.60	7.98	2.38	112.04
						102.0	-16.19	-26.67	0.60	7.98	32.99	-1080.79
27	55	8471.27	35.20	-0.04	-13.13	0.0	27.52	173.86	-0.80	-10.58	35.20	-8592.72
		-8592.72	-46.36	0.07	0.0	51.0	27.52	167.29	-0.80	-10.58	-5.58	106.70
						102.0	27.52	160.73	-0.80	-10.58	-46.36	8471.27
27	56	1.451e+04	46.30	0.04	-13.13	0.0	18.66	292.26	-1.05	-4.11	46.30	-1.463e+04
		-1.463e+04	-60.42	0.01	0.0	51.0	18.66	285.69	-1.05	-4.11	-7.06	104.58
						102.0	18.66	279.12	-1.05	-4.11	-60.42	1.451e+04
27	57	7362.87	48.87	-0.09	-13.13	0.0	-7.54	-138.85	0.88	1.85	-40.79	7362.87
		-7469.17	-40.79	-1.32e-04	0.0	51.0	-7.54	-145.41	0.88	1.85	4.04	114.28
						102.0	-7.54	-151.98	0.88	1.85	48.87	-7469.17
27	58	1322.60	34.80	4.25e-04	-13.13	0.0	-16.40	-20.45	0.63	8.33	-29.68	1322.60
		-1433.13	-29.68	-0.05	0.0	51.0	-16.40	-27.02	0.63	8.33	2.56	112.16
						102.0	-16.40	-33.58	0.63	8.33	34.80	-1433.13

1433.13												
27	59	5291.43	10.06	-0.16	-13.13	0.0	24.95	-98.27	0.19	-12.62	-9.75	
5291.43												
		-5401.73	-9.75	0.12	0.0	51.0	24.95	-104.83	0.19	-12.62	0.15	112.28
						102.0	24.95	-111.40	0.19	-12.62	10.06	-
5401.73												
27	60	1.707e+04	36.95	0.13	-13.13	0.0	-3.16	342.46	-0.84	6.64	36.95	-
1.719e+04												
		-1.719e+04	-48.89	-0.09	0.0	51.0	-3.16	335.89	-0.84	6.64	-5.97	104.45
						102.0	-3.16	329.32	-0.84	6.64	-48.89	
1.707e+04												
27	61	9923.21	37.34	-0.18	-13.13	0.0	14.28	-189.05	0.67	-8.90	-31.43	
9923.21												
		-1.003e+04	-31.43	0.10	0.0	51.0	14.28	-195.61	0.67	-8.90	2.95	114.41
						102.0	14.28	-202.18	0.67	-8.90	37.34	-
1.003e+04												
27	62	1.244e+04	15.27	0.12	-13.13	0.0	-13.83	251.68	-0.36	10.37	15.27	-
1.256e+04												
		-1.256e+04	-21.61	-0.10	0.0	51.0	-13.83	245.11	-0.36	10.37	-3.17	106.59
						102.0	-13.83	238.55	-0.36	10.37	-21.61	
1.244e+04												
27	63	5213.98	9.41	-0.16	-13.13	0.0	24.87	-96.75	0.18	-12.63	-9.20	
5213.98												
		-5324.42	-9.20	0.12	0.0	51.0	24.87	-103.32	0.18	-12.63	0.11	112.21
						102.0	24.87	-109.88	0.18	-12.63	9.41	-
5324.42												
27	64	1.714e+04	37.50	0.13	-13.13	0.0	-3.24	343.97	-0.85	6.64	37.50	-
1.727e+04												
		-1.727e+04	-49.54	-0.09	0.0	51.0	-3.24	337.41	-0.85	6.64	-6.02	104.38
						102.0	-3.24	330.84	-0.85	6.64	-49.54	
1.714e+04												
27	65	1.000e+04	37.98	-0.18	-13.13	0.0	14.35	-190.56	0.69	-8.89	-31.99	
1.000e+04												
		-1.011e+04	-31.99	0.10	0.0	51.0	14.35	-197.13	0.69	-8.89	2.99	114.48
						102.0	14.35	-203.70	0.69	-8.89	37.98	-
1.011e+04												
27	66	1.236e+04	14.71	0.12	-13.13	0.0	-13.75	250.16	-0.35	10.37	14.71	-
1.248e+04												
		-1.248e+04	-20.97	-0.10	0.0	51.0	-13.75	243.59	-0.35	10.37	-3.13	106.65
						102.0	-13.75	237.03	-0.35	10.37	-20.97	
1.236e+04												
27	67	4116.18	4.02	-0.16	-13.13	0.0	25.66	-75.23	0.09	-13.78	-4.91	
4116.18												
		-4227.25	-4.91	0.10	0.0	51.0	25.66	-81.80	0.09	-13.78	-0.44	111.89
						102.0	25.66	-88.36	0.09	-13.78	4.02	-
4227.25												
27	68	1.589e+04	32.10	0.13	-13.13	0.0	-3.87	319.42	-0.73	7.80	32.10	-
1.602e+04												
		-1.602e+04	-42.86	-0.07	0.0	51.0	-3.87	312.85	-0.73	7.80	-5.38	104.83
						102.0	-3.87	306.29	-0.73	7.80	-42.86	
1.589e+04												
27	69	8747.96	31.30	-0.17	-13.13	0.0	14.99	-166.01	0.57	-10.05	-26.59	
8747.96												
		-8854.75	-26.59	0.08	0.0	51.0	14.99	-172.58	0.57	-10.05	2.36	114.03
						102.0	14.99	-179.14	0.57	-10.05	31.30	-
8854.75												
27	70	1.127e+04	10.42	0.11	-13.13	0.0	-14.55	228.64	-0.25	11.52	10.42	-
1.139e+04												
		-1.139e+04	-15.58	-0.09	0.0	51.0	-14.55	222.08	-0.25	11.52	-2.58	106.97
						102.0	-14.55	215.51	-0.25	11.52	-15.58	
1.127e+04												
27	71	4038.73	3.38	-0.16	-13.13	0.0	25.59	-73.72	0.08	-13.78	-4.35	
4038.73												
		-4149.93	-4.35	0.10	0.0	51.0	25.59	-80.28	0.08	-13.78	-0.49	111.83
						102.0	25.59	-86.85	0.08	-13.78	3.38	-
4149.93												
27	72	1.597e+04	32.66	0.13	-13.13	0.0	-3.95	320.94	-0.75	7.79	32.66	-
1.610e+04												
		-1.610e+04	-43.50	-0.07	0.0	51.0	-3.95	314.37	-0.75	7.79	-5.42	104.76
						102.0	-3.95	307.80	-0.75	7.79	-43.50	
1.597e+04												
27	73	8825.41	31.95	-0.17	-13.13	0.0	15.07	-167.53	0.58	-10.05	-27.15	

8825.41												
		-8932.06	-27.15	0.08	0.0	51.0	15.07	-174.09	0.58	-10.05	2.40	114.10
						102.0	15.07	-180.66	0.58	-10.05	31.95	-
8932.06												
27	74	1.119e+04	9.86	0.11	-13.13	0.0	-14.47	227.12	-0.24	11.53	9.86	-
1.131e+04												
		-1.131e+04	-14.93	-0.09	0.0	51.0	-14.47	220.56	-0.24	11.53	-2.54	107.04
						102.0	-14.47	213.99	-0.24	11.53	-14.93	
1.119e+04												
27	75	7116.48	26.88	-0.04	-13.13	0.0	23.78	147.28	-0.62	-8.65	26.88	-
7236.40												
		-7236.40	-36.11	0.06	0.0	51.0	23.78	140.71	-0.62	-8.65	-4.62	107.47
						102.0	23.78	134.15	-0.62	-8.65	-36.11	
7116.48												
27	76	1.269e+04	38.46	0.03	-13.13	0.0	16.80	256.56	-0.87	-3.87	38.46	-
1.281e+04												
		-1.281e+04	-50.73	8.66e-03	0.0	51.0	16.80	249.99	-0.87	-3.87	-6.13	105.53
						102.0	16.80	243.42	-0.87	-3.87	-50.73	
1.269e+04												
27	77	5541.28	39.18	-0.07	-13.13	0.0	-5.69	-103.15	0.71	1.62	-32.95	
5541.28												
		-5649.46	-32.95	5.85e-03	0.0	51.0	-5.69	-109.71	0.71	1.62	3.11	113.34
						102.0	-5.69	-116.28	0.71	1.62	39.18	-
5649.46												
27	78	111.57	24.55	-1.83e-03	-13.13	0.0	-12.66	6.13	0.45	6.39	-21.36	-33.72
		-78.34	-21.36	-0.04	0.0	51.0	-12.66	-0.44	0.45	6.39	1.59	111.40
						102.0	-12.66	-7.00	0.45	6.39	24.55	-78.34
27	79	7407.51	28.08	-0.04	-13.13	0.0	23.95	152.99	-0.64	-8.94	28.08	-
7527.62												
		-7527.62	-37.60	0.06	0.0	51.0	23.95	146.42	-0.64	-8.94	-4.76	107.37
						102.0	23.95	139.86	-0.64	-8.94	-37.60	
7407.51												
27	80	1.240e+04	37.26	0.03	-13.13	0.0	16.63	250.85	-0.85	-3.59	37.26	-
1.252e+04												
		-1.252e+04	-49.24	0.01	0.0	51.0	16.63	244.28	-0.85	-3.59	-5.99	105.62
						102.0	16.63	237.72	-0.85	-3.59	-49.24	
1.240e+04												
27	81	5250.06	37.68	-0.07	-13.13	0.0	-5.51	-97.44	0.68	1.33	-31.75	
5250.06												
		-5358.43	-31.75	1.56e-03	0.0	51.0	-5.51	-104.00	0.68	1.33	2.97	113.24
						102.0	-5.51	-110.57	0.68	1.33	37.68	-
5358.43												
27	82	257.56	26.05	-2.94e-03	-13.13	0.0	-12.84	0.42	0.48	6.68	-22.56	257.50
		-369.37	-22.56	-0.04	0.0	51.0	-12.84	-6.15	0.48	6.68	1.74	111.49
						102.0	-12.84	-12.71	0.48	6.68	26.05	-
369.37												
27	83	7329.74	28.41	-0.04	-13.13	0.0	23.55	151.47	-0.65	-8.66	28.41	-
7450.03												
		-7450.03	-37.87	0.06	0.0	51.0	23.55	144.90	-0.65	-8.66	-4.73	107.28
						102.0	23.55	138.33	-0.65	-8.66	-37.87	
7329.74												
27	84	1.290e+04	39.99	0.03	-13.13	0.0	16.58	260.74	-0.91	-3.88	39.99	-
1.303e+04												
		-1.303e+04	-52.50	8.99e-03	0.0	51.0	16.58	254.18	-0.91	-3.88	-6.25	105.34
						102.0	16.58	247.61	-0.91	-3.88	-52.50	
1.290e+04												
27	85	5754.91	40.94	-0.08	-13.13	0.0	-5.46	-107.33	0.74	1.62	-34.48	
5754.91												
		-5862.72	-34.48	5.51e-03	0.0	51.0	-5.46	-113.90	0.74	1.62	3.23	113.52
						102.0	-5.46	-120.46	0.74	1.62	40.94	-
5862.72												
27	86	194.22	26.32	-2.44e-03	-13.13	0.0	-12.44	1.94	0.48	6.40	-22.89	179.91
		-291.60	-22.89	-0.05	0.0	51.0	-12.44	-4.62	0.48	6.40	1.71	111.58
						102.0	-12.44	-11.19	0.48	6.40	26.32	-
291.60												
27	87	7620.77	29.61	-0.04	-13.13	0.0	23.73	157.17	-0.68	-8.94	29.61	-
7741.25												
		-7741.25	-39.37	0.06	0.0	51.0	23.73	150.61	-0.68	-8.94	-4.88	107.18
						102.0	23.73	144.04	-0.68	-8.94	-39.37	
7620.77												
27	88	1.261e+04	38.79	0.03	-13.13	0.0	16.40	255.03	-0.88	-3.59	38.79	-
1.273e+04												

		-1.273e+04	-51.00	0.01	0.0	51.0	16.40	248.47	-0.88	-3.59	-6.11	105.43
						102.0	16.40	241.90	-0.88	-3.59	-51.00	
1.261e+04												
27	89	5463.69	39.45	-0.07	-13.13	0.0	-5.29	-101.62	0.71	1.34	-33.28	
5463.69												
		-5571.68	-33.28	1.22e-03	0.0	51.0	-5.29	-108.19	0.71	1.34	3.08	113.43
						102.0	-5.29	-114.76	0.71	1.34	39.45	-
5571.68												
27	90	471.13	27.81	-3.55e-03	-13.13	0.0	-12.61	-3.77	0.51	6.69	-24.09	471.13
		-582.63	-24.09	-0.04	0.0	51.0	-12.61	-10.33	0.51	6.69	1.86	111.68
						102.0	-12.61	-16.90	0.51	6.69	27.81	-
582.63												
27	91	3739.95	7.30	-0.14	-13.13	0.0	21.60	-67.86	0.15	-10.63	-7.58	
3739.95												
		-3851.24	-7.58	0.10	0.0	51.0	21.60	-74.42	0.15	-10.63	-0.14	111.78
						102.0	21.60	-80.99	0.15	-10.63	7.30	-
3851.24												
27	92	1.472e+04	31.04	0.10	-13.13	0.0	-1.64	296.39	-0.71	5.29	31.04	-
1.484e+04												
		-1.484e+04	-41.44	-0.07	0.0	51.0	-1.64	289.83	-0.71	5.29	-5.20	105.32
						102.0	-1.64	283.26	-0.71	5.29	-41.44	
1.472e+04												
27	93	7573.26	29.89	-0.15	-13.13	0.0	12.76	-142.99	0.54	-7.55	-25.53	
7573.26												
		-7681.02	-25.53	0.08	0.0	51.0	12.76	-149.55	0.54	-7.55	2.18	113.54
						102.0	12.76	-156.12	0.54	-7.55	29.89	-
7681.02												
27	94	1.089e+04	13.09	0.09	-13.13	0.0	-10.48	221.27	-0.31	8.37	13.09	-
1.101e+04												
		-1.101e+04	-18.86	-0.09	0.0	51.0	-10.48	214.70	-0.31	8.37	-2.88	107.08
						102.0	-10.48	208.13	-0.31	8.37	-18.86	
1.089e+04												
27	95	3675.86	6.77	-0.14	-13.13	0.0	21.53	-66.60	0.14	-10.63	-7.12	
3675.86												
		-3787.26	-7.12	0.10	0.0	51.0	21.53	-73.17	0.14	-10.63	-0.17	111.73
						102.0	21.53	-79.73	0.14	-10.63	6.77	-
3787.26												
27	96	1.478e+04	31.50	0.10	-13.13	0.0	-1.71	297.65	-0.72	5.29	31.50	-
1.491e+04												
		-1.491e+04	-41.97	-0.07	0.0	51.0	-1.71	291.08	-0.72	5.29	-5.24	105.26
						102.0	-1.71	284.52	-0.72	5.29	-41.97	
1.478e+04												
27	97	7637.35	30.42	-0.15	-13.13	0.0	12.83	-144.24	0.55	-7.55	-25.99	
7637.35												
		-7745.00	-25.99	0.08	0.0	51.0	12.83	-150.81	0.55	-7.55	2.22	113.60
						102.0	12.83	-157.37	0.55	-7.55	30.42	-
7745.00												
27	98	1.083e+04	12.63	0.09	-13.13	0.0	-10.42	220.01	-0.30	8.37	12.63	-
1.095e+04												
		-1.095e+04	-18.33	-0.09	0.0	51.0	-10.42	213.45	-0.30	8.37	-2.85	107.13
						102.0	-10.42	206.88	-0.30	8.37	-18.33	
1.083e+04												
27	99	2769.22	2.32	-0.14	-13.13	0.0	22.19	-48.83	0.06	-11.59	-3.58	
2769.22												
		-2881.14	-3.58	0.09	0.0	51.0	22.19	-55.40	0.06	-11.59	-0.63	111.47
						102.0	22.19	-61.96	0.06	-11.59	2.32	-
2881.14												
27	100	1.375e+04	27.04	0.10	-13.13	0.0	-2.23	277.37	-0.62	6.25	27.04	-
1.387e+04												
		-1.387e+04	-36.46	-0.05	0.0	51.0	-2.23	270.80	-0.62	6.25	-4.71	105.63
						102.0	-2.23	264.24	-0.62	6.25	-36.46	
1.375e+04												
27	101	6602.52	24.91	-0.14	-13.13	0.0	13.35	-123.96	0.46	-8.51	-21.53	
6602.52												
		-6710.92	-21.53	0.07	0.0	51.0	13.35	-130.52	0.46	-8.51	1.69	113.23
						102.0	13.35	-137.09	0.46	-8.51	24.91	-
6710.92												
27	102	9919.28	9.09	0.09	-13.13	0.0	-11.07	202.24	-0.23	9.33	9.09	-
1.004e+04												
		-1.004e+04	-13.88	-0.07	0.0	51.0	-11.07	195.67	-0.23	9.33	-2.39	107.39
						102.0	-11.07	189.11	-0.23	9.33	-13.88	
9919.28												

27	103	2705.13	1.79	-0.13	-13.13	0.0	22.12	-47.57	0.05	-11.59	-3.12	2705.13
		-2817.16	-3.12	0.09	0.0	51.0	22.12	-54.14	0.05	-11.59	-0.66	111.41
						102.0	22.12	-60.71	0.05	-11.59	1.79	-2817.16
27	104	1.381e+04	27.50	0.10	-13.13	0.0	-2.30	278.62	-0.63	6.25	27.50	-1.394e+04
		-1.394e+04	-36.99	-0.05	0.0	51.0	-2.30	272.06	-0.63	6.25	-4.75	105.58
						102.0	-2.30	265.49	-0.63	6.25	-36.99	1.381e+04
27	105	6666.61	25.44	-0.15	-13.13	0.0	13.42	-125.21	0.46	-8.50	-21.99	6666.61
		-6774.89	-21.99	0.07	0.0	51.0	13.42	-131.78	0.46	-8.50	1.73	113.29
						102.0	13.42	-138.35	0.46	-8.50	25.44	-6774.89
27	106	9855.30	8.63	0.09	-13.13	0.0	-11.01	200.98	-0.22	9.33	8.63	-9975.25
		-9975.25	-13.35	-0.07	0.0	51.0	-11.01	194.42	-0.22	9.33	-2.36	107.45
						102.0	-11.01	187.85	-0.22	9.33	-13.35	9855.30
28	1	1695.80	20.72	-7.22e-03	-73.60	0.0	65.28	56.29	-0.67	1.15	20.72	-1419.02
		-1419.02	-75.90	0.01	0.0	72.4	35.04	19.49	-0.67	1.15	-27.59	1323.51
						144.8	4.79	-17.31	-0.67	1.15	-75.90	1402.10
28	2	1.185e+04	133.33	-0.03	-501.42	0.0	234.62	419.59	-3.02	11.81	133.33	-1.355e+04
		-1.355e+04	-304.08	0.04	0.0	72.4	28.57	168.88	-3.02	11.81	-85.37	7752.39
						144.8	-177.48	-81.84	-3.02	11.81	-304.08	1.090e+04
28	3	1117.62	13.81	-5.08e-03	-48.54	0.0	47.02	36.44	-0.47	0.69	13.81	-862.68
		-862.68	-54.08	8.42e-03	0.0	72.4	27.07	12.17	-0.47	0.69	-20.13	896.76
						144.8	7.13	-12.10	-0.47	0.69	-54.08	899.25
28	4	1.127e+04	126.43	-0.03	-476.37	0.0	216.36	399.74	-2.82	11.34	126.43	-1.299e+04
		-1.299e+04	-282.26	0.04	0.0	72.4	20.61	161.56	-2.82	11.34	-77.92	7325.64
						144.8	-175.14	-76.62	-2.82	11.34	-282.26	1.040e+04
28	5	1223.22	15.01	-5.35e-03	-53.11	0.0	48.83	40.32	-0.49	0.80	15.01	-992.04
		-992.04	-56.51	8.73e-03	0.0	72.4	27.00	13.76	-0.49	0.80	-20.75	965.33
						144.8	5.18	-12.79	-0.49	0.80	-56.51	1000.59
28	6	7988.17	90.09	-0.02	-338.32	0.0	161.72	282.52	-2.06	7.90	90.09	-9077.03
		-9077.03	-208.63	0.03	0.0	72.4	22.69	113.36	-2.06	7.90	-59.27	5251.26
						144.8	-116.33	-55.80	-2.06	7.90	-208.63	7334.33
28	7	1223.22	15.01	-5.35e-03	-53.11	0.0	48.83	40.32	-0.49	0.80	15.01	-992.04
		-992.04	-56.51	8.73e-03	0.0	72.4	27.00	13.76	-0.49	0.80	-20.75	965.33
						144.8	5.18	-12.79	-0.49	0.80	-56.51	1000.59
28	8	5955.50	67.57	-0.02	-252.76	0.0	127.85	209.86	-1.59	5.77	67.57	-6651.54
		-6651.54	-163.00	0.02	0.0	72.4	23.99	83.48	-1.59	5.77	-47.71	3965.48
						144.8	-79.88	-42.90	-1.59	5.77	-163.00	5434.21
28	9	1223.22	15.01	-5.35e-03	-53.11	0.0	48.83	40.32	-0.49	0.80	15.01	-992.04
		-992.04	-56.51	8.73e-03	0.0	72.4	27.00	13.76	-0.49	0.80	-20.75	965.33
						144.8	5.18	-12.79	-0.49	0.80	-56.51	1000.59
28	10	5277.95	60.06	-0.02	-224.24	0.0	116.56	185.64	-1.44	5.06	60.06	-5843.04
		-5843.04	-147.78	0.02	0.0	72.4	24.42	73.52	-1.44	5.06	-43.86	

3536.89												
						144.8	-67.73	-38.60	-1.44	5.06	-147.78	
4800.84												
28	11	1.728e+04	385.56	-0.05	-224.24	0.0	666.38	-64.80	-9.63	-33.25	385.56	
1.728e+04												
		-1.001e+04	-1010.69	0.06	0.0	72.4	574.23	-176.92	-9.63	-33.25	-312.57	
7689.63												
						144.8	482.09	-289.04	-9.63	-33.25	-1010.69	-
1.001e+04												
28	12	6726.50	255.80	-0.09	-224.24	0.0	27.84	122.69	-5.47	3.14	255.80	
2638.85												
		2638.85	-535.88	-0.12	0.0	72.4	-64.30	10.57	-5.47	3.14	-140.04	
6726.50												
						144.8	-156.44	-101.54	-5.47	3.14	-535.88	
2698.19												
28	13	6903.48	240.32	0.06	-224.24	0.0	205.28	248.58	2.60	6.98	-135.69	-
1.432e+04												
		-1.432e+04	-135.69	0.16	0.0	72.4	113.14	136.47	2.60	6.98	52.32	347.27
						144.8	20.99	24.35	2.60	6.98	240.32	
6903.48												
28	14	1.961e+04	715.13	0.02	-224.24	0.0	-433.25	436.08	6.76	43.37	-265.44	-
2.896e+04												
		-2.896e+04	-265.44	-0.02	0.0	72.4	-525.40	323.96	6.76	43.37	224.84	-
615.86												
						144.8	-617.54	211.84	6.76	43.37	715.13	
1.961e+04												
28	15	1.845e+04	400.48	-0.05	-224.24	0.0	685.83	-76.14	-10.00	-34.12	400.48	
1.845e+04												
		-1.046e+04	-1048.18	0.06	0.0	72.4	593.69	-188.26	-10.00	-34.12	-323.85	
8053.99												
						144.8	501.55	-300.38	-10.00	-34.12	-1048.18	-
1.046e+04												
28	16	6403.63	240.89	-0.08	-224.24	0.0	8.39	134.03	-5.11	4.02	240.89	
1465.08												
		1465.08	-498.40	-0.12	0.0	72.4	-83.76	21.91	-5.11	4.02	-128.76	
6362.15												
						144.8	-175.90	-90.21	-5.11	4.02	-498.40	
3143.25												
28	17	6458.42	202.83	0.05	-224.24	0.0	224.74	237.24	2.24	6.11	-120.77	-
1.315e+04												
		-1.315e+04	-120.77	0.16	0.0	72.4	132.59	125.13	2.24	6.11	41.03	711.62
						144.8	40.45	13.01	2.24	6.11	202.83	
6458.42												
28	18	2.006e+04	752.61	0.02	-224.24	0.0	-452.71	447.42	7.13	44.24	-280.36	-
3.014e+04												
		-3.014e+04	-280.36	-0.02	0.0	72.4	-544.85	335.30	7.13	44.24	236.13	-
980.22												
						144.8	-637.00	223.18	7.13	44.24	752.61	
2.006e+04												
28	19	1.688e+04	398.57	-0.06	-224.24	0.0	650.72	-62.94	-9.90	-32.84	398.57	
1.688e+04												
		-9890.44	-1036.27	0.06	0.0	72.4	558.58	-175.06	-9.90	-32.84	-318.85	
7555.06												
						144.8	466.43	-287.18	-9.90	-32.84	-1036.27	-
9890.44												
28	20	6591.93	268.81	-0.09	-224.24	0.0	12.19	124.55	-5.74	3.55	268.81	
2246.90												
		2246.90	-561.46	-0.12	0.0	72.4	-79.95	12.44	-5.74	3.55	-146.33	
6591.93												
						144.8	-172.10	-99.68	-5.74	3.55	-561.46	
2820.99												
28	21	6780.68	265.89	0.06	-224.24	0.0	220.93	246.72	2.87	6.58	-148.69	-
1.393e+04												
		-1.393e+04	-148.69	0.16	0.0	72.4	128.79	134.60	2.87	6.58	58.60	481.84
						144.8	36.65	22.49	2.87	6.58	265.89	
6780.68												
28	22	1.949e+04	740.70	0.02	-224.24	0.0	-417.60	434.21	7.03	42.96	-278.45	-
2.857e+04												
		-2.857e+04	-278.45	-0.02	0.0	72.4	-509.74	322.10	7.03	42.96	231.13	-
481.29												
						144.8	-601.89	209.98	7.03	42.96	740.70	
1.949e+04												

28	23	1.806e+04	413.48	-0.06	-224.24	0.0	670.18	-74.28	-10.26	-33.71	413.48	
1.806e+04												
		-1.034e+04	-1073.75	0.06	0.0	72.4	578.04	-186.40	-10.26	-33.71	-330.14	
7919.42												
						144.8	485.89	-298.52	-10.26	-33.71	-1073.75	-
1.034e+04												
28	24	6301.23	253.89	-0.09	-224.24	0.0	-7.27	135.89	-5.38	4.42	253.89	
1073.13												
		1073.13	-523.97	-0.12	0.0	72.4	-99.41	23.78	-5.38	4.42	-135.04	
6227.58												
						144.8	-191.56	-88.34	-5.38	4.42	-523.97	
3266.05												
28	25	6335.62	228.41	0.06	-224.24	0.0	240.39	235.38	2.50	5.70	-133.77	-
1.276e+04												
		-1.276e+04	-133.77	0.16	0.0	72.4	148.25	123.26	2.50	5.70	47.32	846.19
						144.8	56.10	11.15	2.50	5.70	228.41	
6335.62												
28	26	1.994e+04	778.19	0.03	-224.24	0.0	-437.06	445.55	7.39	43.84	-293.37	-
2.974e+04												
		-2.974e+04	-293.37	-0.02	0.0	72.4	-529.20	333.44	7.39	43.84	242.41	-
845.65												
						144.8	-621.34	221.32	7.39	43.84	778.19	
1.994e+04												
28	27	2.329e+04	354.51	0.03	-224.24	0.0	1249.95	-173.86	-10.21	-61.62	354.51	
2.329e+04												
		-1.892e+04	-1126.79	0.31	0.0	72.4	1157.80	-285.98	-10.21	-61.62	-386.14	
6243.46												
						144.8	1065.66	-398.10	-10.21	-61.62	-1126.79	-
1.892e+04												
28	28	2.345e+04	455.92	-0.09	-224.24	0.0	-878.50	451.12	3.67	59.68	-78.02	-
2.550e+04												
		-2.550e+04	-78.02	-0.30	0.0	72.4	-970.64	339.00	3.67	59.68	188.95	
3033.03												
						144.8	-1062.78	226.88	3.67	59.68	455.92	
2.345e+04												
28	29	1.381e+04	198.13	0.06	-224.24	0.0	1111.62	-79.84	-6.54	-49.55	198.13	
1.381e+04												
		-1.385e+04	-751.48	0.34	0.0	72.4	1019.48	-191.96	-6.54	-49.55	-276.67	
4040.75												
						144.8	927.33	-304.08	-6.54	-49.55	-751.48	-
1.385e+04												
28	30	2.852e+04	831.22	-0.06	-224.24	0.0	-1016.82	545.13	7.34	71.74	-234.39	-
3.498e+04												
		-3.498e+04	-234.39	-0.27	0.0	72.4	-1108.97	433.02	7.34	71.74	298.41	830.32
						144.8	-1201.11	320.90	7.34	71.74	831.22	
2.852e+04												
28	31	2.318e+04	358.41	0.02	-224.24	0.0	1245.25	-173.30	-10.29	-61.50	358.41	
2.318e+04												
		-1.889e+04	-1134.46	0.31	0.0	72.4	1153.11	-285.42	-10.29	-61.50	-388.02	
6203.09												
						144.8	1060.96	-397.54	-10.29	-61.50	-1134.46	-
1.889e+04												
28	32	2.349e+04	448.24	-0.09	-224.24	0.0	-883.19	451.68	3.59	59.80	-74.11	-
2.562e+04												
		-2.562e+04	-74.11	-0.30	0.0	72.4	-975.34	339.56	3.59	59.80	187.06	
2992.65												
						144.8	-1067.48	227.44	3.59	59.80	448.24	
2.349e+04												
28	33	1.393e+04	194.23	0.06	-224.24	0.0	1116.32	-80.40	-6.46	-49.67	194.23	
1.393e+04												
		-1.388e+04	-743.81	0.34	0.0	72.4	1024.17	-192.52	-6.46	-49.67	-274.79	
4081.12												
						144.8	932.03	-304.64	-6.46	-49.67	-743.81	-
1.388e+04												
28	34	2.849e+04	838.89	-0.06	-224.24	0.0	-1012.13	544.58	7.42	71.62	-238.29	-
3.486e+04												
		-3.486e+04	-238.29	-0.27	0.0	72.4	-1104.27	432.46	7.42	71.62	300.30	870.69
						144.8	-1196.42	320.34	7.42	71.62	838.89	
2.849e+04												
28	35	2.721e+04	404.24	0.02	-224.24	0.0	1314.81	-211.66	-11.42	-64.53	404.24	
2.721e+04												
		-2.041e+04	-1251.74	0.30	0.0	72.4	1222.66	-323.78	-11.42	-64.53	-423.75	

7457.97												
						144.8	1130.52	-435.89	-11.42	-64.53	-1251.74	-
2.041e+04												
28	36	2.493e+04	580.87	-0.08	-224.24	0.0	-943.35	488.92	4.88	62.58	-127.74	-
2.941e+04												
		-2.941e+04	-127.74	-0.29	0.0	72.4	-1035.50	376.80	4.88	62.58	226.56	
1818.51												
						144.8	-1127.64	264.68	4.88	62.58	580.87	
2.493e+04												
28	37	1.773e+04	247.86	0.05	-224.24	0.0	1176.48	-117.64	-7.75	-52.46	247.86	
1.773e+04												
		-1.533e+04	-876.43	0.33	0.0	72.4	1084.33	-229.76	-7.75	-52.46	-314.29	
5255.26												
						144.8	992.19	-341.88	-7.75	-52.46	-876.43	-
1.533e+04												
28	38	3.001e+04	956.17	-0.05	-224.24	0.0	-1081.68	582.93	8.55	74.65	-284.12	-
3.889e+04												
		-3.889e+04	-284.12	-0.26	0.0	72.4	-1173.83	470.82	8.55	74.65	336.03	-
384.20												
						144.8	-1265.97	358.70	8.55	74.65	956.17	
3.001e+04												
28	39	2.709e+04	408.14	0.02	-224.24	0.0	1310.11	-211.10	-11.50	-64.41	408.14	
2.709e+04												
		-2.037e+04	-1259.41	0.30	0.0	72.4	1217.97	-323.22	-11.50	-64.41	-425.64	
7417.60												
						144.8	1125.82	-435.34	-11.50	-64.41	-1259.41	-
2.037e+04												
28	40	2.497e+04	573.19	-0.08	-224.24	0.0	-948.05	489.48	4.80	62.71	-123.84	-
2.953e+04												
		-2.953e+04	-123.84	-0.29	0.0	72.4	-1040.19	377.36	4.80	62.71	224.68	
1778.14												
						144.8	-1132.34	265.24	4.80	62.71	573.19	
2.497e+04												
28	41	1.784e+04	243.96	0.05	-224.24	0.0	1181.17	-118.20	-7.67	-52.58	243.96	
1.784e+04												
		-1.537e+04	-868.76	0.33	0.0	72.4	1089.03	-230.32	-7.67	-52.58	-312.40	
5295.63												
						144.8	996.89	-342.44	-7.67	-52.58	-868.76	-
1.537e+04												
28	42	2.997e+04	963.84	-0.05	-224.24	0.0	-1076.99	582.37	8.63	74.53	-288.02	-
3.877e+04												
		-3.877e+04	-288.02	-0.26	0.0	72.4	-1169.13	470.26	8.63	74.53	337.91	-
343.83												
						144.8	-1261.27	358.14	8.63	74.53	963.84	
2.997e+04												
28	43	1.240e+04	316.93	-0.04	-224.24	0.0	551.70	-12.49	-7.91	-25.26	316.93	
1.240e+04												
		-6927.46	-829.91	0.06	0.0	72.4	459.56	-124.61	-7.91	-25.26	-256.49	
6796.37												
						144.8	367.42	-236.73	-7.91	-25.26	-829.91	-
6927.46												
28	44	6132.71	214.37	-0.07	-224.24	0.0	46.06	135.83	-4.62	3.58	214.37	852.50
		852.50	-453.94	-0.09	0.0	72.4	-46.08	23.71	-4.62	3.58	-119.78	
6053.27												
						144.8	-138.22	-88.41	-4.62	3.58	-453.94	
3138.06												
28	45	6463.61	158.37	0.04	-224.24	0.0	187.06	235.44	1.75	6.54	-94.25	-
1.254e+04												
		-1.254e+04	-94.25	0.13	0.0	72.4	94.92	123.33	1.75	6.54	32.06	
1020.50												
						144.8	2.77	11.21	1.75	6.54	158.37	
6463.61												
28	46	1.653e+04	534.34	0.01	-224.24	0.0	-318.58	383.77	5.04	35.38	-196.81	-
2.409e+04												
		-2.409e+04	-196.81	-0.01	0.0	72.4	-410.72	271.65	5.04	35.38	168.76	277.41
						144.8	-502.87	159.53	5.04	35.38	534.34	
1.653e+04												
28	47	1.334e+04	328.77	-0.05	-224.24	0.0	567.15	-21.50	-8.20	-25.95	328.77	
1.334e+04												
		-7280.75	-859.62	0.05	0.0	72.4	475.01	-133.62	-8.20	-25.95	-265.43	
7087.19												
						144.8	382.86	-245.73	-8.20	-25.95	-859.62	-

7280.75												
28	48	5955.55	202.53	-0.07	-224.24	0.0	30.62	144.83	-4.33	4.27	202.53	-82.43
		-82.43	-424.22	-0.09	0.0	72.4	-61.53	32.72	-4.33	4.27	-110.85	
5762.45												
						144.8	-153.67	-79.40	-4.33	4.27	-424.22	
3491.36												
28	49	6110.32	128.65	0.04	-224.24	0.0	202.51	226.44	1.46	5.85	-82.41	-
1.160e+04												
		-1.160e+04	-82.41	0.13	0.0	72.4	110.36	114.32	1.46	5.85	23.12	
1311.32												
						144.8	18.22	2.20	1.46	5.85	128.65	
6110.32												
28	50	1.688e+04	564.05	0.01	-224.24	0.0	-334.03	392.77	5.33	36.07	-208.65	-
2.503e+04												
		-2.503e+04	-208.65	-0.01	0.0	72.4	-426.17	280.66	5.33	36.07	177.70	-13.41
						144.8	-518.31	168.54	5.33	36.07	564.05	
1.688e+04												
28	51	1.209e+04	327.30	-0.05	-224.24	0.0	539.25	-11.02	-8.13	-24.92	327.30	
1.209e+04												
		-6827.03	-850.25	0.05	0.0	72.4	447.10	-123.14	-8.13	-24.92	-261.48	
6689.19												
						144.8	354.96	-235.25	-8.13	-24.92	-850.25	-
6827.03												
28	52	6051.49	224.73	-0.07	-224.24	0.0	33.61	137.30	-4.83	3.92	224.73	537.71
		537.71	-474.28	-0.09	0.0	72.4	-58.54	25.19	-4.83	3.92	-124.78	
5946.09												
						144.8	-150.68	-86.93	-4.83	3.92	-474.28	
3238.50												
28	53	6363.17	178.71	0.04	-224.24	0.0	199.52	233.97	1.96	6.21	-104.61	-
1.222e+04												
		-1.222e+04	-104.61	0.13	0.0	72.4	107.37	121.85	1.96	6.21	37.05	
1127.68												
						144.8	15.23	9.74	1.96	6.21	178.71	
6363.17												
28	54	1.643e+04	554.69	0.02	-224.24	0.0	-306.12	382.29	5.26	35.04	-207.18	-
2.378e+04												
		-2.378e+04	-207.18	-0.01	0.0	72.4	-398.27	270.18	5.26	35.04	173.75	384.58
						144.8	-490.41	158.06	5.26	35.04	554.69	
1.643e+04												
28	55	1.302e+04	339.13	-0.05	-224.24	0.0	554.69	-20.02	-8.41	-25.61	339.13	
1.302e+04												
		-7180.32	-879.97	0.05	0.0	72.4	462.55	-132.14	-8.41	-25.61	-270.42	
6980.01												
						144.8	370.41	-244.26	-8.41	-25.61	-879.97	-
7180.32												
28	56	5900.27	212.89	-0.07	-224.24	0.0	18.16	146.31	-4.54	4.61	212.89	-
397.22												
		-397.22	-444.57	-0.09	0.0	72.4	-73.98	34.19	-4.54	4.61	-115.84	
5655.27												
						144.8	-166.13	-77.93	-4.54	4.61	-444.57	
3591.79												
28	57	6009.88	149.00	0.04	-224.24	0.0	214.96	224.97	1.67	5.52	-92.77	-
1.129e+04												
		-1.129e+04	-92.77	0.13	0.0	72.4	122.82	112.85	1.67	5.52	28.11	
1418.50												
						144.8	30.67	0.73	1.67	5.52	149.00	
6009.88												
28	58	1.678e+04	584.40	0.02	-224.24	0.0	-321.57	391.30	5.54	35.73	-219.01	-
2.471e+04												
		-2.471e+04	-219.01	-9.46e-03	0.0	72.4	-413.71	279.18	5.54	35.73	182.69	93.76
						144.8	-505.86	167.06	5.54	35.73	584.40	
1.678e+04												
28	59	1.715e+04	292.68	0.02	-224.24	0.0	1013.99	-98.76	-8.38	-47.77	292.68	
1.715e+04												
		-1.398e+04	-922.64	0.25	0.0	72.4	921.85	-210.88	-8.38	-47.77	-314.98	
5641.76												
						144.8	829.70	-322.99	-8.38	-47.77	-922.64	-
1.398e+04												
28	60	1.957e+04	330.59	-0.07	-224.24	0.0	-671.48	395.65	2.61	48.35	-49.21	-
2.135e+04												
		-2.135e+04	-49.21	-0.24	0.0	72.4	-763.62	283.53	2.61	48.35	140.69	
3164.77												

						144.8	-855.76	171.42	2.61	48.35	330.59	
1.957e+04												
28	61	9668.41	169.33	0.04	-224.24	0.0	904.60	-24.38	-5.48	-38.23	169.33	
9668.41												
		-9966.38	-626.16	0.28	0.0	72.4	812.45	-136.49	-5.48	-38.23	-228.42	
3909.00												
						144.8	720.31	-248.61	-5.48	-38.23	-626.16	-
9966.38												
28	62	2.359e+04	627.08	-0.05	-224.24	0.0	-780.87	470.03	5.51	57.89	-172.56	-
2.884e+04												
		-2.884e+04	-172.56	-0.21	0.0	72.4	-873.01	357.91	5.51	57.89	227.26	
1432.01												
						144.8	-965.16	245.80	5.51	57.89	627.08	
2.359e+04												
28	63	1.706e+04	295.79	0.02	-224.24	0.0	1010.25	-98.32	-8.44	-47.67	295.79	
1.706e+04												
		-1.395e+04	-928.75	0.25	0.0	72.4	918.11	-210.43	-8.44	-47.67	-316.48	
5609.61												
						144.8	825.97	-322.55	-8.44	-47.67	-928.75	-
1.395e+04												
28	64	1.960e+04	324.49	-0.07	-224.24	0.0	-675.21	396.09	2.54	48.45	-46.10	-
2.145e+04												
		-2.145e+04	-46.10	-0.24	0.0	72.4	-767.36	283.98	2.54	48.45	139.20	
3132.62												
						144.8	-859.50	171.86	2.54	48.45	324.49	
1.960e+04												
28	65	9762.84	166.22	0.04	-224.24	0.0	908.34	-24.82	-5.42	-38.33	166.22	
9762.84												
		-9996.51	-620.06	0.28	0.0	72.4	816.19	-136.94	-5.42	-38.33	-226.92	
3941.16												
						144.8	724.05	-249.05	-5.42	-38.33	-620.06	-
9996.51												
28	66	2.356e+04	633.18	-0.05	-224.24	0.0	-777.13	469.59	5.57	57.79	-175.67	-
2.874e+04												
		-2.874e+04	-175.67	-0.21	0.0	72.4	-869.28	357.47	5.57	57.79	228.76	
1464.16												
						144.8	-961.42	245.36	5.57	57.79	633.18	
2.356e+04												
28	67	2.027e+04	332.13	0.01	-224.24	0.0	1065.48	-128.78	-9.34	-50.07	332.13	
2.027e+04												
		-1.516e+04	-1021.69	0.24	0.0	72.4	973.33	-240.89	-9.34	-50.07	-344.78	
6611.16												
						144.8	881.19	-353.01	-9.34	-50.07	-1021.69	-
1.516e+04												
28	68	2.075e+04	429.64	-0.07	-224.24	0.0	-722.96	425.67	3.57	50.65	-88.66	-
2.447e+04												
		-2.447e+04	-88.66	-0.23	0.0	72.4	-815.11	313.55	3.57	50.65	170.49	
2195.37												
						144.8	-907.25	201.43	3.57	50.65	429.64	
2.075e+04												
28	69	1.278e+04	208.78	0.04	-224.24	0.0	956.09	-54.39	-6.44	-40.53	208.78	
1.278e+04												
		-1.114e+04	-725.21	0.27	0.0	72.4	863.94	-166.51	-6.44	-40.53	-258.21	
4878.40												
						144.8	771.80	-278.63	-6.44	-40.53	-725.21	-
1.114e+04												
28	70	2.476e+04	726.12	-0.04	-224.24	0.0	-832.36	500.05	6.47	60.19	-212.01	-
3.195e+04												
		-3.195e+04	-212.01	-0.20	0.0	72.4	-924.50	387.93	6.47	60.19	257.06462.61	
						144.8	-1016.64	275.82	6.47	60.19	726.12	
2.476e+04												
28	71	2.017e+04	335.24	0.01	-224.24	0.0	1061.74	-128.33	-9.40	-49.97	335.24	
2.017e+04												
		-1.513e+04	-1027.79	0.24	0.0	72.4	969.60	-240.45	-9.40	-49.97	-346.28	
6579.01												
						144.8	877.45	-352.57	-9.40	-49.97	-1027.79	-
1.513e+04												
28	72	2.078e+04	423.54	-0.07	-224.24	0.0	-726.70	426.11	3.50	50.75	-85.55	-
2.457e+04												
		-2.457e+04	-85.55	-0.23	0.0	72.4	-818.84	313.99	3.50	50.75	168.99	
2163.22												
						144.8	-910.99	201.88	3.50	50.75	423.54	

2.078e+04												
28	73	1.288e+04	205.67	0.04	-224.24	0.0	959.82	-54.84	-6.38	-40.63	205.67	
1.288e+04												
		-1.117e+04	-719.10	0.27	0.0	72.4	867.68	-166.95	-6.38	-40.63	-256.72	
4910.56												
						144.8	775.53	-279.07	-6.38	-40.63	-719.10	-
1.117e+04												
28	74	2.473e+04	732.23	-0.04	-224.24	0.0	-828.62	499.61	6.53	60.09	-215.12	-
3.186e+04												
		-3.186e+04	-215.12	-0.20	0.0	72.4	-920.76	387.49	6.53	60.09	258.55	494.76
						144.8	-1012.91	275.37	6.53	60.09	732.23	
2.473e+04												
28	75	9317.79	272.42	-0.04	-224.24	0.0	476.27	21.86	-6.79	-20.00	272.42	
9250.69												
		-4893.11	-711.61	0.05	0.0	72.4	384.12	-90.26	-6.79	-20.00	-219.60	
6236.78												
						144.8	291.98	-202.38	-6.79	-20.00	-711.61	-
4893.11												
28	76	5833.19	187.64	-0.06	-224.24	0.0	58.38	144.45	-4.07	3.83	187.64	-
298.92												
		-298.92	-400.89	-0.07	0.0	72.4	-33.77	32.33	-4.07	3.83	-106.62	
5621.27												
						144.8	-125.91	-79.79	-4.07	3.83	-400.89	
3425.48												
28	77	6176.19	105.32	0.03	-224.24	0.0	174.75	226.83	1.20	6.29	-67.52	-
1.139e+04												
		-1.139e+04	-67.52	0.11	0.0	72.4	82.60	114.71	1.20	6.29	18.90	
1452.51												
						144.8	-9.54	2.59	1.20	6.29	105.32	
6176.19												
28	78	1.449e+04	416.05	8.45e-03	-224.24	0.0	-243.14	349.42	3.92	30.13	-152.30	-
2.094e+04												
		-2.094e+04	-152.30	-8.15e-03	0.0	72.4	-335.29	237.30	3.92	30.13	131.87	837.00
						144.8	-427.43	125.18	3.92	30.13	416.05	
1.449e+04												
28	79	1.002e+04	282.20	-0.04	-224.24	0.0	489.03	14.41	-7.03	-20.57	282.20	
1.002e+04												
		-5185.07	-736.17	0.05	0.0	72.4	396.89	-97.70	-7.03	-20.57	-226.98	
6476.97												
						144.8	304.74	-209.82	-7.03	-20.57	-736.17	-
5185.07												
28	80	5726.04	177.86	-0.06	-224.24	0.0	45.61	151.89	-3.83	4.40	177.86	-
1071.26												
		-1071.26	-376.33	-0.07	0.0	72.4	-46.53	39.77	-3.83	4.40	-99.23	
5381.08												
						144.8	-138.67	-72.35	-3.83	4.40	-376.33	
3717.44												
28	81	5884.24	80.77	0.03	-224.24	0.0	187.51	219.39	0.96	5.72	-57.74	-
1.061e+04												
		-1.061e+04	-57.74	0.11	0.0	72.4	95.37	107.27	0.96	5.72	11.51	
1692.70												
						144.8	3.22	-4.85	0.96	5.72	80.77	
5884.24												
28	82	1.479e+04	440.60	9.42e-03	-224.24	0.0	-255.91	356.86	4.16	30.70	-162.08	-
2.171e+04												
		-2.171e+04	-162.08	-6.22e-03	0.0	72.4	-348.05	244.74	4.16	30.70	139.26	596.80
						144.8	-440.19	132.62	4.16	30.70	440.60	
1.479e+04												
28	83	9076.89	280.98	-0.04	-224.24	0.0	465.96	23.08	-6.97	-19.72	280.98	
8988.20												
		-4810.14	-728.42	0.05	0.0	72.4	373.81	-89.04	-6.97	-19.72	-223.72	
6147.02												
						144.8	281.67	-201.15	-6.97	-19.72	-728.42	-
4810.14												
28	84	5786.62	196.20	-0.06	-224.24	0.0	48.06	145.67	-4.24	4.11	196.20	-
561.41												
		-561.41	-417.70	-0.07	0.0	72.4	-44.08	33.56	-4.24	4.11	-110.75	
5531.51												
						144.8	-136.22	-78.56	-4.24	4.11	-417.70	
3508.45												
28	85	6093.22	122.13	0.03	-224.24	0.0	185.06	225.60	1.37	6.02	-76.08	-
1.112e+04												

		-1.112e+04	-76.08	0.12	0.0	72.4	92.92	113.48	1.37	6.02	23.02	1542.27
						144.8	0.77	1.37	1.37	6.02	122.13	6093.22
28	86	1.441e+04	432.86	0.01	-224.24	0.0	-232.83	348.19	4.10	29.85	-160.86	-2.067e+04
		-2.067e+04	-160.86	-6.46e-03	0.0	72.4	-324.98	236.07	4.10	29.85	136.00	926.76
						144.8	-417.12	123.96	4.10	29.85	432.86	1.441e+04
28	87	9782.72	290.76	-0.04	-224.24	0.0	478.72	15.64	-7.20	-20.29	290.76	9760.54
		-5102.10	-752.98	0.05	0.0	72.4	386.57	-96.48	-7.20	-20.29	-231.11	6387.21
						144.8	294.43	-208.59	-7.20	-20.29	-752.98	-5102.10
28	88	5683.32	186.42	-0.06	-224.24	0.0	35.30	153.11	-4.00	4.68	186.42	-1333.75
		-1333.75	-393.14	-0.07	0.0	72.4	-56.84	41.00	-4.00	4.68	-103.36	5291.32
						144.8	-148.99	-71.12	-4.00	4.68	-393.14	3800.41
28	89	5801.26	97.57	0.03	-224.24	0.0	197.82	218.16	1.13	5.45	-66.30	-1.035e+04
		-1.035e+04	-66.30	0.11	0.0	72.4	105.68	106.04	1.13	5.45	15.64	1782.46
						144.8	13.54	-6.08	1.13	5.45	97.57	5801.26
28	90	1.470e+04	457.41	0.01	-224.24	0.0	-245.59	355.63	4.33	30.42	-170.64	-2.145e+04
		-2.145e+04	-170.64	-4.69e-03	0.0	72.4	-337.74	243.52	4.33	30.42	143.38	686.56
						144.8	-429.88	131.40	4.33	30.42	457.41	1.470e+04
28	91	1.317e+04	252.35	0.01	-224.24	0.0	858.28	-49.43	-7.17	-38.60	252.35	1.317e+04
		-1.072e+04	-788.20	0.21	0.0	72.4	766.13	-161.55	-7.17	-38.60	-267.93	5280.38
						144.8	673.99	-273.66	-7.17	-38.60	-788.20	-1.072e+04
28	92	1.700e+04	247.55	-0.06	-224.24	0.0	-534.70	359.21	1.91	40.84	-30.25	-1.866e+04
		-1.866e+04	-30.25	-0.19	0.0	72.4	-626.84	247.09	1.91	40.84	108.65	3228.68
						144.8	-718.98	134.98	1.91	40.84	247.55	1.700e+04
28	93	7029.62	150.36	0.03	-224.24	0.0	767.82	12.06	-4.78	-30.71	150.36	6977.30
		-7403.09	-543.12	0.23	0.0	72.4	675.68	-100.05	-4.78	-30.71	-196.38	3845.09
						144.8	583.53	-212.17	-4.78	-30.71	-543.12	-7403.09
28	94	2.033e+04	492.63	-0.04	-224.24	0.0	-625.15	420.70	4.30	48.72	-132.23	-2.485e+04
		-2.485e+04	-132.23	-0.17	0.0	72.4	-717.30	308.58	4.30	48.72	180.20	1793.40
						144.8	-809.44	196.47	4.30	48.72	492.63	2.033e+04
28	95	1.309e+04	254.92	0.01	-224.24	0.0	855.18	-49.06	-7.23	-38.52	254.92	1.309e+04
		-1.070e+04	-793.24	0.21	0.0	72.4	763.04	-161.18	-7.23	-38.52	-269.16	5253.45
						144.8	670.90	-273.30	-7.23	-38.52	-793.24	-1.070e+04
28	96	1.703e+04	242.51	-0.06	-224.24	0.0	-537.79	359.58	1.85	40.92	-27.68	-1.874e+04
		-1.874e+04	-27.68	-0.19	0.0	72.4	-629.93	247.46	1.85	40.92	107.42	3201.75
						144.8	-722.08	135.34	1.85	40.92	242.51	1.703e+04
28	97	7101.89	147.80	0.03	-224.24	0.0	770.91	11.70	-4.72	-30.80	147.80	7056.05
		-7427.98	-538.08	0.23	0.0	72.4	678.77	-100.42	-4.72	-30.80	-195.14	3872.02

						144.8	586.63	-212.54	-4.72	-30.80	-538.08	-7427.98
28	98	2.030e+04	497.68	-0.04	-224.24	0.0	-622.06	420.33	4.35	48.64	-134.80	-2.478e+04
		-2.478e+04	-134.80	-0.17	0.0	72.4	-714.20	308.22	4.35	48.64	181.44	1820.33
						144.8	-806.35	196.10	4.35	48.64	497.68	2.030e+04
28	99	1.574e+04	284.95	8.14e-03	-224.24	0.0	900.82	-74.23	-7.97	-40.50	284.95	1.574e+04
		-1.170e+04	-870.05	0.21	0.0	72.4	808.68	-186.35	-7.97	-40.50	-292.55	6081.02
						144.8	716.53	-298.47	-7.97	-40.50	-870.05	-1.170e+04
28	100	1.798e+04	329.41	-0.06	-224.24	0.0	-577.24	384.01	2.70	42.74	-62.85	-2.124e+04
		-2.124e+04	-62.85	-0.18	0.0	72.4	-669.38	271.90	2.70	42.74	133.28	2428.04
						144.8	-761.53	159.78	2.70	42.74	329.41	1.798e+04
28	101	9551.77	182.97	0.03	-224.24	0.0	810.36	-12.74	-5.57	-32.61	182.97	9551.77
		-8376.28	-624.97	0.23	0.0	72.4	718.22	-124.86	-5.57	-32.61	-221.00	4645.73
						144.8	626.08	-236.97	-5.57	-32.61	-624.97	-8376.28
28	102	2.130e+04	574.49	-0.04	-224.24	0.0	-667.70	445.51	5.10	50.63	-164.83	-2.743e+04
		-2.743e+04	-164.83	-0.16	0.0	72.4	-759.84	333.39	5.10	50.63	204.83	992.76
						144.8	-851.98	221.27	5.10	50.63	574.49	2.130e+04
28	103	1.566e+04	287.52	7.45e-03	-224.24	0.0	897.73	-73.86	-8.02	-40.42	287.52	1.566e+04
		-1.167e+04	-875.10	0.21	0.0	72.4	805.58	-185.98	-8.02	-40.42	-293.79	6054.09
						144.8	713.44	-298.10	-8.02	-40.42	-875.10	-1.167e+04
28	104	1.800e+04	324.36	-0.06	-224.24	0.0	-580.33	384.38	2.65	42.82	-60.28	-2.132e+04
		-2.132e+04	-60.28	-0.18	0.0	72.4	-672.48	272.26	2.65	42.82	132.04	2401.11
						144.8	-764.62	160.15	2.65	42.82	324.36	1.800e+04
28	105	9630.52	180.40	0.03	-224.24	0.0	813.46	-13.11	-5.52	-32.70	180.40	9630.52
		-8401.17	-619.93	0.23	0.0	72.4	721.31	-125.22	-5.52	-32.70	-219.77	4672.66
						144.8	629.17	-237.34	-5.52	-32.70	-619.93	-8401.17
28	106	2.127e+04	579.53	-0.04	-224.24	0.0	-664.60	445.14	5.15	50.54	-167.40	-2.735e+04
		-2.735e+04	-167.40	-0.16	0.0	72.4	-756.75	333.02	5.15	50.54	206.07	1019.68
						144.8	-848.89	220.90	5.15	50.54	579.53	2.127e+04
29	1	1167.93	0.41	5.86e-03	-37.99	0.0	17.45	-72.77	-0.07	-2.84	0.41	1167.93
		-5095.41	-4.57	3.35e-03	0.0	35.0	17.45	-88.02	-0.07	-2.84	-2.08	-1618.04
						70.1	17.45	-110.76	-0.07	-2.84	-4.57	-5095.41
29	2	3875.92	-4.27	0.02	-222.57	0.0	38.30	-414.25	-0.07	-8.12	-4.27	3875.92
		-3.107e+04	-9.25	2.92e-03	0.0	35.0	38.30	-483.31	-0.07	-8.12	-6.76	-1.150e+04
						70.1	38.30	-636.82	-0.07	-8.12	-9.25	-3.107e+04
29	3	847.30	0.40	4.15e-03	-25.74	0.0	13.03	-49.53	-0.05	-2.08	0.40	847.30
		-3429.34	-3.43	2.59e-03	0.0	35.0	13.03	-60.25	-0.05	-2.08	-1.51	-1058.12
						70.1	13.03	-75.27	-0.05	-2.08	-3.43	-3429.34

29	4	3555.29	-4.28	0.02	-210.32	0.0	33.88	-391.01	-0.05	-7.37	-4.28	3555.29
		-2.941e+04	-8.11	2.16e-03	0.0	35.0	33.88	-455.53	-0.05	-7.37	-6.19	-1.094e+04
						70.1	33.88	-601.33	-0.05	-7.37	-8.11	-2.941e+04
29	5	876.19	0.35	4.35e-03	-27.71	0.0	13.25	-53.18	-0.05	-2.14	0.35	876.19
		-3706.41	-3.48	2.58e-03	0.0	35.0	13.25	-64.46	-0.05	-2.14	-1.56	-1163.55
						70.1	13.25	-80.88	-0.05	-2.14	-3.48	-3706.41
29	6	2681.51	-2.77	0.02	-150.76	0.0	27.15	-280.83	-0.05	-5.66	-2.77	2681.51
		-2.102e+04	-6.60	2.30e-03	0.0	35.0	27.15	-327.99	-0.05	-5.66	-4.68	-7752.77
						70.1	27.15	-431.59	-0.05	-5.66	-6.60	-2.102e+04
29	7	876.19	0.35	4.35e-03	-27.71	0.0	13.25	-53.18	-0.05	-2.14	0.35	876.19
		-3706.41	-3.48	2.58e-03	0.0	35.0	13.25	-64.46	-0.05	-2.14	-1.56	-1163.55
						70.1	13.25	-80.88	-0.05	-2.14	-3.48	-3706.41
29	8	2139.92	-1.83	0.01	-113.84	0.0	22.98	-212.53	-0.05	-4.61	-1.83	2139.92
		-1.583e+04	-5.66	2.38e-03	0.0	35.0	22.98	-248.93	-0.05	-4.61	-3.75	-5776.00
						70.1	22.98	-326.38	-0.05	-4.61	-5.66	-1.583e+04
29	9	876.19	0.35	4.35e-03	-27.71	0.0	13.25	-53.18	-0.05	-2.14	0.35	876.19
		-3706.41	-3.48	2.58e-03	0.0	35.0	13.25	-64.46	-0.05	-2.14	-1.56	-1163.55
						70.1	13.25	-80.88	-0.05	-2.14	-3.48	-3706.41
29	10	1959.38	-1.52	0.01	-101.54	0.0	21.59	-189.77	-0.05	-4.25	-1.52	1959.38
		-1.410e+04	-5.35	2.41e-03	0.0	35.0	21.59	-222.58	-0.05	-4.25	-3.43	-5117.08
						70.1	21.59	-291.30	-0.05	-4.25	-5.35	-1.410e+04
29	11	8774.48	28.90	-0.02	-101.54	0.0	365.59	-137.42	-1.77	-25.79	28.90	8774.48
		-8577.88	-95.09	-0.02	0.0	35.0	365.59	-170.23	-1.77	-25.79	-33.10	-1049.88
						70.1	365.59	-238.96	-1.77	-25.79	-95.09	-8577.88
29	12	-1.148e+04	13.93	0.01	-101.54	0.0	273.32	-119.74	-0.89	35.15	13.93	-1.148e+04
		-2.846e+04	-48.24	-0.07	0.0	35.0	273.32	-152.56	-0.89	35.15	-17.15	-1.902e+04
						70.1	273.32	-221.28	-0.89	35.15	-48.24	-2.846e+04
29	13	1.540e+04	37.54	0.01	-101.54	0.0	-230.14	-259.79	0.78	-43.66	-16.97	1.540e+04
		264.88	-16.97	0.08	0.0	35.0	-230.14	-292.60	0.78	-43.66	10.28	8783.48
						70.1	-230.14	-361.33	0.78	-43.66	37.54	264.88
29	14	-4855.71	84.40	0.04	-101.54	0.0	-322.41	-242.12	1.66	17.29	-31.94	-4855.71
		-1.962e+04	-31.94	0.02	0.0	35.0	-322.41	-274.93	1.66	17.29	26.23	-1.128e+04
						70.1	-322.41	-343.65	1.66	17.29	84.40	-1.962e+04
29	15	9197.96	32.18	-0.02	-101.54	0.0	395.34	-137.95	-1.93	-27.25	32.18	9197.96
		-7924.93	-103.33	-8.88e-03	0.0	35.0	395.34	-170.77	-1.93	-27.25	-35.57	-1588.10
						70.1	395.34	-239.49	-1.93	-27.25	-103.33	-7924.93
29	16	-1.190e+04	10.65	0.01	-101.54	0.0	243.57	-119.21	-0.72	36.60	10.65	-1.190e+04
		-2.911e+04	-40.00	-0.08	0.0	35.0	243.57	-152.02	-0.72	36.60	-14.68	-1.956e+04

						70.1	243.57	-220.75	-0.72	36.60	-40.00	-	
2.911e+04													
29	17	1.582e+04	29.31	0.01	-101.54	0.0	-200.38	-260.32	0.61	-45.11	-13.68		
1.582e+04													
		917.83	-13.68	0.09	0.0	35.0	-200.38	-293.14	0.61	-45.11	7.81		
9321.69													
						70.1	-200.38	-361.86	0.61	-45.11	29.31	917.83	
29	18	-5279.19	92.63	0.04	-101.54	0.0	-352.16	-241.58	1.82	18.74	-35.22	-	
5279.19													
		-2.027e+04	-35.22	0.01	0.0	35.0	-352.16	-274.39	1.82	18.74	28.70	-	
1.182e+04													
						70.1	-352.16	-343.12	1.82	18.74	92.63	-	
2.027e+04													
29	19	9379.79	-14.03	-0.02	-101.54	0.0	434.13	-135.02	-1.82	-27.87	-14.03		
9379.79													
		-8248.23	-102.04	0.32	0.0	35.0	434.13	-167.83	-1.82	-27.87	-58.04		
1517.36													
						70.1	434.13	-236.56	-1.82	-27.87	-102.04	-	
8248.23													
29	20	-1.087e+04	-29.00	0.01	-101.54	0.0	341.86	-117.35	-0.93	33.07	-29.00	-	
1.087e+04													
		-2.813e+04	-55.18	0.26	0.0	35.0	341.86	-150.16	-0.93	33.07	-42.09	-	
1.855e+04													
						70.1	341.86	-218.88	-0.93	33.07	-55.18	-	
2.813e+04													
29	21	1.479e+04	44.48	0.01	-101.54	0.0	-298.67	-262.19	0.82	-41.58	25.96		
1.479e+04													
		-64.77	25.96	-0.26	0.0	35.0	-298.67	-295.00	0.82	-41.58	35.22		
8316.00													
						70.1	-298.67	-363.73	0.82	-41.58	44.48	-64.77	
29	22	-5461.02	91.34	0.04	-101.54	0.0	-390.94	-244.51	1.71	19.36	11.00	-	
5461.02													
		-1.995e+04	11.00	-0.32	0.0	35.0	-390.94	-277.33	1.71	19.36	51.17	-	
1.175e+04													
						70.1	-390.94	-346.05	1.71	19.36	91.34	-	
1.995e+04													
29	23	9803.27	-10.75	-0.02	-101.54	0.0	463.88	-135.56	-1.98	-29.32	-10.75		
9803.27													
		-7595.29	-110.27	0.33	0.0	35.0	463.88	-168.37	-1.98	-29.32	-60.51		
2055.58													
						70.1	463.88	-237.09	-1.98	-29.32	-110.27	-	
7595.29													
29	24	-1.130e+04	-32.29	0.01	-101.54	0.0	312.10	-116.81	-0.77	34.53	-32.29	-	
1.130e+04													
		-2.878e+04	-46.95	0.26	0.0	35.0	312.10	-149.62	-0.77	34.53	-39.62	-	
1.909e+04													
						70.1	312.10	-218.35	-0.77	34.53	-46.95	-	
2.878e+04													
29	25	1.522e+04	36.25	0.01	-101.54	0.0	-268.92	-262.72	0.66	-43.04	29.25		
1.522e+04													
		588.18	29.25	-0.25	0.0	35.0	-268.92	-295.53	0.66	-43.04	32.75		
8854.22													
						70.1	-268.92	-364.26	0.66	-43.04	36.25	588.18	
29	26	-5884.50	99.58	0.04	-101.54	0.0	-420.70	-243.98	1.87	20.81	7.71	-	
5884.50													
		-2.060e+04	7.71	-0.32	0.0	35.0	-420.70	-276.79	1.87	20.81	53.64	-	
1.229e+04													
						70.1	-420.70	-345.52	1.87	20.81	99.58	-	
2.060e+04													
29	27	3.472e+04	30.30	-0.04	-101.54	0.0	264.74	-200.86	-1.91	-103.14	30.30		
3.472e+04													
		1.771e+04	-103.34	0.09	0.0	35.0	264.74	-233.68	-1.91	-103.14	-36.52		
2.717e+04													
						70.1	264.74	-302.40	-1.91	-103.14	-103.34		
1.771e+04													
29	28	-3.279e+04	52.85	0.05	-101.54	0.0	-42.84	-141.96	1.03	99.99	-19.58	-	
3.279e+04													
		-4.856e+04	-19.58	-0.11	0.0	35.0	-42.84	-174.77	1.03	99.99	16.64	-	
3.972e+04													
						70.1	-42.84	-243.50	1.03	99.99	52.85	-	
4.856e+04													
29	29	3.671e+04	16.54	-0.03	-101.54	0.0	86.02	-237.58	-1.14	-108.50	16.54		

3.671e+04												
		2.036e+04	-63.55	0.11	0.0	35.0	86.02	-270.39	-1.14	-108.50	-23.51	
2.949e+04												
						70.1	86.02	-339.11	-1.14	-108.50	-63.55	
2.036e+04												
29	30	-3.080e+04	92.64	0.06	-101.54	0.0	-221.55	-178.67	1.80	94.63	-33.34	-
3.080e+04												
		-4.590e+04	-33.34	-0.08	0.0	35.0	-221.55	-211.48	1.80	94.63	29.65	-
3.740e+04												
						70.1	-221.55	-280.21	1.80	94.63	92.64	-
4.590e+04												
29	31	3.491e+04	17.42	-0.04	-101.54	0.0	285.30	-200.15	-1.92	-103.76	17.42	
3.491e+04												
		1.781e+04	-105.42	0.19	0.0	35.0	285.30	-232.96	-1.92	-103.76	-44.00	
2.731e+04												
						70.1	285.30	-301.68	-1.92	-103.76	-105.42	
1.781e+04												
29	32	-3.261e+04	50.77	0.05	-101.54	0.0	-22.28	-141.24	1.02	99.37	-32.46	-
3.261e+04												
		-4.846e+04	-32.46	-7.36e-03	0.0	35.0	-22.28	-174.05	1.02	99.37	9.16	-
3.958e+04												
						70.1	-22.28	-242.78	1.02	99.37	50.77	-
4.846e+04												
29	33	3.653e+04	29.42	-0.03	-101.54	0.0	65.46	-238.30	-1.13	-107.88	29.42	
3.653e+04												
		2.026e+04	-61.47	0.01	0.0	35.0	65.46	-271.11	-1.13	-107.88	-16.02	
2.935e+04												
						70.1	65.46	-339.83	-1.13	-107.88	-61.47	
2.026e+04												
29	34	-3.099e+04	94.73	0.06	-101.54	0.0	-242.11	-179.39	1.81	95.26	-20.46	-
3.099e+04												
		-4.600e+04	-20.46	-0.18	0.0	35.0	-242.11	-212.20	1.81	95.26	37.13	-
3.754e+04												
						70.1	-242.11	-280.93	1.81	95.26	94.73	-
4.600e+04												
29	35	3.614e+04	41.26	-0.04	-101.54	0.0	363.91	-202.65	-2.45	-108.00	41.26	
3.614e+04												
		1.989e+04	-130.78	0.11	0.0	35.0	363.91	-235.47	-2.45	-108.00	-44.76	
2.896e+04												
						70.1	363.91	-304.19	-2.45	-108.00	-130.78	
1.989e+04												
29	36	-3.420e+04	80.30	0.05	-101.54	0.0	-142.01	-140.17	1.58	104.85	-30.54	-
3.420e+04												
		-5.073e+04	-30.54	-0.13	0.0	35.0	-142.01	-172.98	1.58	104.85	24.88	-
4.152e+04												
						70.1	-142.01	-241.71	1.58	104.85	80.30	-
5.073e+04												
29	37	3.812e+04	27.50	-0.03	-101.54	0.0	185.19	-239.37	-1.69	-113.36	27.50	
3.812e+04												
		2.254e+04	-90.99	0.14	0.0	35.0	185.19	-272.18	-1.69	-113.36	-31.75	
3.128e+04												
						70.1	185.19	-340.90	-1.69	-113.36	-90.99	
2.254e+04												
29	38	-3.222e+04	120.09	0.06	-101.54	0.0	-320.73	-176.88	2.34	99.49	-44.30	-
3.222e+04												
		-4.808e+04	-44.30	-0.10	0.0	35.0	-320.73	-209.69	2.34	99.49	37.89	-
3.920e+04												
						70.1	-320.73	-278.42	2.34	99.49	120.09	-
4.808e+04												
29	39	3.632e+04	28.38	-0.04	-101.54	0.0	384.47	-201.93	-2.47	-108.62	28.38	
3.632e+04												
		1.999e+04	-132.87	0.21	0.0	35.0	384.47	-234.75	-2.47	-108.62	-52.24	
2.910e+04												
						70.1	384.47	-303.47	-2.47	-108.62	-132.87	
1.999e+04												
29	40	-3.402e+04	78.21	0.05	-101.54	0.0	-121.45	-139.45	1.57	104.23	-43.42	-
3.402e+04												
		-5.063e+04	-43.42	-0.03	0.0	35.0	-121.45	-172.26	1.57	104.23	17.40	-
4.138e+04												
						70.1	-121.45	-240.99	1.57	104.23	78.21	-
5.063e+04												
29	41	3.794e+04	40.38	-0.03	-101.54	0.0	164.63	-240.08	-1.68	-112.74	40.38	

3.794e+04												
		2.244e+04	-88.91	0.04	0.0	35.0	164.63	-272.90	-1.68	-112.74	-24.27	
3.114e+04												
						70.1	164.63	-341.62	-1.68	-112.74	-88.91	
2.244e+04												
29	42	-3.240e+04	122.17	0.06	-101.54	0.0	-341.29	-177.60	2.36	100.11	-31.42	-
3.240e+04												
		-4.818e+04	-31.42	-0.21	0.0	35.0	-341.29	-210.41	2.36	100.11	45.38	-
3.934e+04												
						70.1	-341.29	-279.14	2.36	100.11	122.17	-
4.818e+04												
29	43	7438.07	22.50	-9.54e-03	-101.54	0.0	291.72	-150.39	-1.41	-21.48	22.50	
7438.07												
		-9671.56	-76.22	-0.01	0.0	35.0	291.72	-183.21	-1.41	-21.48	-26.86	-
165.16												
						70.1	291.72	-251.93	-1.41	-21.48	-76.22	-
9671.56												
29	44	-8615.94	10.65	0.01	-101.54	0.0	220.39	-137.17	-0.71	26.82	10.65	-
8615.94												
		-2.543e+04	-39.15	-0.06	0.0	35.0	220.39	-169.98	-0.71	26.82	-14.25	-
1.607e+04												
						70.1	220.39	-238.70	-0.71	26.82	-39.15	-
2.543e+04												
29	45	1.253e+04	28.46	0.01	-101.54	0.0	-177.20	-242.37	0.60	-35.33	-13.69	
1.253e+04												
		-2765.13	-13.69	0.06	0.0	35.0	-177.20	-275.18	0.60	-35.33	7.38	
5836.37												
						70.1	-177.20	-343.91	0.60	-35.33	28.46	-
2765.13												
29	46	-3519.31	65.52	0.03	-101.54	0.0	-248.53	-229.14	1.30	12.97	-25.54	-
3519.31												
		-1.852e+04	-25.54	0.02	0.0	35.0	-248.53	-261.95	1.30	12.97	19.99	-
1.007e+04												
						70.1	-248.53	-330.68	1.30	12.97	65.52	-
1.852e+04												
29	47	7773.55	25.11	-0.01	-101.54	0.0	315.43	-150.69	-1.54	-22.63	25.11	
7773.55												
		-9154.03	-82.75	-6.44e-03	0.0	35.0	315.43	-183.51	-1.54	-22.63	-28.82	261.34
						70.1	315.43	-252.23	-1.54	-22.63	-82.75	-
9154.03												
29	48	-8951.41	8.05	0.01	-101.54	0.0	196.67	-136.86	-0.58	27.98	8.05	-
8951.41												
		-2.595e+04	-32.63	-0.06	0.0	35.0	196.67	-169.68	-0.58	27.98	-12.29	-
1.650e+04												
						70.1	196.67	-238.40	-0.58	27.98	-32.63	-
2.595e+04												
29	49	1.287e+04	21.93	0.01	-101.54	0.0	-153.49	-242.67	0.47	-36.49	-11.08	
1.287e+04												
		-2247.60	-11.08	0.07	0.0	35.0	-153.49	-275.48	0.47	-36.49	5.42	
6262.87												
						70.1	-153.49	-344.21	0.47	-36.49	21.93	-
2247.60												
29	50	-3854.78	72.05	0.03	-101.54	0.0	-272.25	-228.84	1.43	14.13	-28.15	-
3854.78												
		-1.904e+04	-28.15	0.01	0.0	35.0	-272.25	-261.65	1.43	14.13	21.95	-
1.050e+04												
						70.1	-272.25	-330.38	1.43	14.13	72.05	-
1.904e+04												
29	51	7935.13	-11.29	-0.01	-101.54	0.0	346.04	-148.37	-1.44	-23.17	-11.29	
7935.13												
		-9399.04	-81.68	0.26	0.0	35.0	346.04	-181.19	-1.44	-23.17	-46.49	219.63
						70.1	346.04	-249.91	-1.44	-23.17	-81.68	-
9399.04												
29	52	-8118.88	-23.14	0.01	-101.54	0.0	274.71	-135.15	-0.75	25.14	-23.14	-
8118.88												
		-2.516e+04	-44.62	0.21	0.0	35.0	274.71	-167.96	-0.75	25.14	-33.88	-
1.569e+04												
						70.1	274.71	-236.68	-0.75	25.14	-44.62	-
2.516e+04												
29	53	1.204e+04	33.92	0.01	-101.54	0.0	-231.53	-244.39	0.64	-33.65	20.10	
1.204e+04												
		-3037.64	20.10	-0.21	0.0	35.0	-231.53	-277.20	0.64	-33.65	27.01	

5451.59												
						70.1	-231.53	-345.93	0.64	-33.65	33.92	-
3037.64												
29	54	-4016.36	70.99	0.03	-101.54	0.0	-302.86	-231.16	1.33	14.66	8.25	-
4016.36												
		-1.879e+04	8.25	-0.25	0.0	35.0	-302.86	-263.97	1.33	14.66	39.62	-
1.045e+04												
						70.1	-302.86	-332.70	1.33	14.66	70.99	-
1.879e+04												
29	55	8270.60	-8.68	-0.01	-101.54	0.0	369.76	-148.67	-1.57	-24.32	-8.68	
8270.60												
		-8881.52	-88.21	0.26	0.0	35.0	369.76	-181.49	-1.57	-24.32	-48.45646.13	
						70.1	369.76	-250.21	-1.57	-24.32	-88.21	-
8881.52												
29	56	-8454.36	-25.75	0.01	-101.54	0.0	251.00	-134.84	-0.62	26.29	-25.75	-
8454.36												
		-2.567e+04	-38.09	0.20	0.0	35.0	251.00	-167.66	-0.62	26.29	-31.92	-
1.611e+04												
						70.1	251.00	-236.38	-0.62	26.29	-38.09	-
2.567e+04												
29	57	1.237e+04	27.39	0.01	-101.54	0.0	-207.81	-244.69	0.51	-34.80	22.71	
1.237e+04												
		-2520.12	22.71	-0.20	0.0	35.0	-207.81	-277.50	0.51	-34.80	25.05	
5878.09												
						70.1	-207.81	-346.23	0.51	-34.80	27.39	-
2520.12												
29	58	-4351.84	77.51	0.03	-101.54	0.0	-326.58	-230.86	1.46	15.81	5.65	-
4351.84												
		-1.931e+04	5.65	-0.26	0.0	35.0	-326.58	-263.67	1.46	15.81	41.58	-
1.088e+04												
						70.1	-326.58	-332.40	1.46	15.81	77.51	-
1.931e+04												
29	59	2.795e+04	23.66	-0.03	-101.54	0.0	210.82	-198.02	-1.52	-82.68	23.66	
2.795e+04												
		1.113e+04	-82.83	0.07	0.0	35.0	210.82	-230.83	-1.52	-82.68	-29.58	
2.049e+04												
						70.1	210.82	-299.56	-1.52	-82.68	-82.83	
1.113e+04												
29	60	-2.556e+04	40.73	0.04	-101.54	0.0	-26.95	-153.92	0.81	78.33	-15.84	-
2.556e+04												
		-4.139e+04	-15.84	-0.09	0.0	35.0	-26.95	-186.73	0.81	78.33	12.44	-
3.253e+04												
						70.1	-26.95	-255.46	0.81	78.33	40.73	-
4.139e+04												
29	61	2.948e+04	12.80	-0.02	-101.54	0.0	70.14	-225.61	-0.92	-86.84	12.80	
2.948e+04												
		1.320e+04	-51.42	0.09	0.0	35.0	70.14	-258.42	-0.92	-86.84	-19.31	
2.229e+04												
						70.1	70.14	-327.15	-0.92	-86.84	-51.42	
1.320e+04												
29	62	-2.403e+04	72.13	0.05	-101.54	0.0	-167.63	-181.51	1.41	74.17	-26.70	-
2.403e+04												
		-3.932e+04	-26.70	-0.06	0.0	35.0	-167.63	-214.33	1.41	74.17	22.72	-
3.073e+04												
						70.1	-167.63	-283.05	1.41	74.17	72.13	-
3.932e+04												
29	63	2.810e+04	13.52	-0.03	-101.54	0.0	227.11	-197.41	-1.53	-83.19	13.52	
2.810e+04												
		1.121e+04	-84.47	0.15	0.0	35.0	227.11	-230.22	-1.53	-83.19	-35.47	
2.061e+04												
						70.1	227.11	-298.95	-1.53	-83.19	-84.47	
1.121e+04												
29	64	-2.541e+04	39.09	0.04	-101.54	0.0	-10.66	-153.32	0.80	77.82	-25.98	-
2.541e+04												
		-4.131e+04	-25.98	-5.41e-03	0.0	35.0	-10.66	-186.13	0.80	77.82	6.56	-
3.241e+04												
						70.1	-10.66	-254.86	0.80	77.82	39.09	-
4.131e+04												
29	65	2.933e+04	22.94	-0.02	-101.54	0.0	53.84	-226.22	-0.91	-86.33	22.94	
2.933e+04												
		1.312e+04	-49.79	0.01	0.0	35.0	53.84	-259.03	-0.91	-86.33	-13.42	
2.218e+04												

						70.1	53.84	-327.75	-0.91	-86.33	-49.79	
1.312e+04												
29	66	-2.418e+04	73.77	0.05	-101.54	0.0	-183.93	-182.12	1.42	74.68	-16.56	-
2.418e+04												
		-3.940e+04	-16.56	-0.14	0.0	35.0	-183.93	-214.93	1.42	74.68	28.61	-
3.084e+04												
						70.1	-183.93	-283.66	1.42	74.68	73.77	-
3.940e+04												
29	67	2.907e+04	32.35	-0.03	-101.54	0.0	289.87	-199.02	-1.95	-86.53	32.35	
2.907e+04												
		1.285e+04	-104.58	0.09	0.0	35.0	289.87	-231.83	-1.95	-86.53	-36.12	
2.191e+04												
						70.1	289.87	-300.56	-1.95	-86.53	-104.58	
1.285e+04												
29	68	-2.668e+04	62.49	0.05	-101.54	0.0	-106.01	-152.92	1.24	82.18	-24.53	-
2.668e+04												
		-4.312e+04	-24.53	-0.10	0.0	35.0	-106.01	-185.73	1.24	82.18	18.98	-
3.395e+04												
						70.1	-106.01	-254.46	1.24	82.18	62.49	-
4.312e+04												
29	69	3.060e+04	21.49	-0.02	-101.54	0.0	149.19	-226.61	-1.35	-90.68	21.49	
3.060e+04												
		1.493e+04	-73.18	0.11	0.0	35.0	149.19	-259.42	-1.35	-90.68	-25.84	
2.371e+04												
						70.1	149.19	-328.15	-1.35	-90.68	-73.18	
1.493e+04												
29	70	-2.515e+04	93.89	0.05	-101.54	0.0	-246.68	-180.51	1.84	78.02	-35.39	-
2.515e+04												
		-4.105e+04	-35.39	-0.08	0.0	35.0	-246.68	-213.32	1.84	78.02	29.25	-
3.215e+04												
						70.1	-246.68	-282.05	1.84	78.02	93.89	-
4.105e+04												
29	71	2.922e+04	22.21	-0.03	-101.54	0.0	306.17	-198.41	-1.96	-87.03	22.21	
2.922e+04												
		1.294e+04	-106.22	0.17	0.0	35.0	306.17	-231.22	-1.96	-87.03	-42.01	
2.203e+04												
						70.1	306.17	-299.95	-1.96	-87.03	-106.22	
1.294e+04												
29	72	-2.653e+04	60.85	0.05	-101.54	0.0	-89.71	-152.32	1.23	81.67	-34.67	-
2.653e+04												
		-4.304e+04	-34.67	-0.02	0.0	35.0	-89.71	-185.13	1.23	81.67	13.09	-
3.383e+04												
						70.1	-89.71	-253.85	1.23	81.67	60.85	-
4.304e+04												
29	73	3.045e+04	31.63	-0.02	-101.54	0.0	132.89	-227.22	-1.34	-90.18	31.63	
3.045e+04												
		1.484e+04	-71.54	0.03	0.0	35.0	132.89	-260.03	-1.34	-90.18	-19.96	
2.360e+04												
						70.1	132.89	-328.76	-1.34	-90.18	-71.54	
1.484e+04												
29	74	-2.530e+04	95.53	0.05	-101.54	0.0	-262.98	-181.12	1.85	78.53	-25.25	-
2.530e+04												
		-4.113e+04	-25.25	-0.16	0.0	35.0	-262.98	-213.93	1.85	78.53	35.14	-
3.226e+04												
						70.1	-262.98	-282.66	1.85	78.53	95.53	-
4.113e+04												
29	75	6481.66	18.36	-5.82e-03	-101.54	0.0	245.31	-157.16	-1.17	-18.48	18.36	
6481.66												
		-1.045e+04	-63.98	-9.45e-03	0.0	35.0	245.31	-189.98	-1.17	-18.48	-22.81	-
1030.26												
						70.1	245.31	-258.70	-1.17	-18.48	-63.98	-
1.045e+04												
29	76	-6785.54	8.56	0.01	-101.54	0.0	186.23	-146.20	-0.60	21.44	8.56	-
6785.54												
		-2.347e+04	-33.34	-0.05	0.0	35.0	186.23	-179.01	-0.60	21.44	-12.39	-
1.417e+04												
						70.1	186.23	-247.74	-0.60	21.44	-33.34	-
2.347e+04												
29	77	1.070e+04	22.64	0.01	-101.54	0.0	-143.05	-233.33	0.49	-29.95	-11.60	
1.070e+04												
		-4726.51	-11.60	0.05	0.0	35.0	-143.05	-266.14	0.49	-29.95	5.52	
3940.48												

						70.1	-143.05	-334.87	0.49	-29.95	22.64	-4726.51
29	78	-2562.89	53.28	0.03	-101.54	0.0	-202.12	-222.37	1.07	9.97	-21.40	-2562.89
		-1.775e+04	-21.40	0.01	0.0	35.0	-202.12	-255.18	1.07	9.97	15.94	-9203.91
						70.1	-202.12	-323.91	1.07	9.97	53.28	-1.775e+04
29	79	6758.90	20.51	-6.47e-03	-101.54	0.0	264.90	-157.42	-1.28	-19.43	20.51	6758.90
		-1.002e+04	-69.37	-4.93e-03	0.0	35.0	264.90	-190.23	-1.28	-19.43	-24.43	-677.79
						70.1	264.90	-258.95	-1.28	-19.43	-69.37	-1.002e+04
29	80	-7062.78	6.41	0.01	-101.54	0.0	166.64	-145.95	-0.49	22.39	6.41	-7062.78
		-2.389e+04	-27.95	-0.05	0.0	35.0	166.64	-178.76	-0.49	22.39	-10.77	-1.453e+04
						70.1	166.64	-247.49	-0.49	22.39	-27.95	-2.389e+04
29	81	1.098e+04	17.25	0.01	-101.54	0.0	-123.46	-233.58	0.38	-30.90	-9.45	1.098e+04
		-4298.83	-9.45	0.06	0.0	35.0	-123.46	-266.39	0.38	-30.90	3.90	-4292.94
						70.1	-123.46	-335.12	0.38	-30.90	17.25	-4298.83
29	82	-2840.13	58.68	0.03	-101.54	0.0	-221.71	-222.12	1.17	10.92	-23.55	-2840.13
		-1.818e+04	-23.55	9.75e-03	0.0	35.0	-221.71	-254.93	1.17	10.92	17.56	-9556.37
						70.1	-221.71	-323.65	1.17	10.92	58.68	-1.818e+04
29	83	6891.62	-9.63	-6.47e-03	-101.54	0.0	290.07	-155.50	-1.20	-19.87	-9.63	6891.62
		-1.022e+04	-68.48	0.21	0.0	35.0	290.07	-188.31	-1.20	-19.87	-39.06	-712.71
						70.1	290.07	-257.04	-1.20	-19.87	-68.48	-1.022e+04
29	84	-6375.58	-19.42	0.01	-101.54	0.0	231.00	-144.54	-0.63	20.05	-19.42	-6375.58
		-2.324e+04	-37.85	0.17	0.0	35.0	231.00	-177.35	-0.63	20.05	-28.63	-1.386e+04
						70.1	231.00	-246.08	-0.63	20.05	-37.85	-2.324e+04
29	85	1.029e+04	27.15	0.01	-101.54	0.0	-187.81	-234.99	0.52	-28.56	16.38	1.029e+04
		-4951.64	16.38	-0.17	0.0	35.0	-187.81	-267.81	0.52	-28.56	21.77	-3622.94
						70.1	-187.81	-336.53	0.52	-28.56	27.15	-4951.64
29	86	-2972.85	57.79	0.03	-101.54	0.0	-246.89	-224.03	1.09	11.36	6.59	-2972.85
		-1.797e+04	6.59	-0.21	0.0	35.0	-246.89	-256.84	1.09	11.36	32.19	-9521.45
						70.1	-246.89	-325.57	1.09	11.36	57.79	-1.797e+04
29	87	7168.86	-7.47	-7.11e-03	-101.54	0.0	309.66	-155.75	-1.31	-20.82	-7.47	7168.86
		-9792.53	-73.88	0.22	0.0	35.0	309.66	-188.56	-1.31	-20.82	-40.68	-360.25
						70.1	309.66	-257.29	-1.31	-20.82	-73.88	-9792.53
29	88	-6652.82	-21.58	0.01	-101.54	0.0	211.41	-144.29	-0.52	21.00	-21.58	-6652.82
		-2.367e+04	-32.45	0.17	0.0	35.0	211.41	-177.10	-0.52	21.00	-27.01	-1.421e+04
						70.1	211.41	-245.82	-0.52	21.00	-32.45	-2.367e+04
29	89	1.057e+04	21.76	0.01	-101.54	0.0	-168.22	-235.25	0.41	-29.51	18.54	1.057e+04
		-4523.96	18.54	-0.16	0.0	35.0	-168.22	-268.06	0.41	-29.51	20.15	-3975.40

						70.1	-168.22	-336.79	0.41	-29.51	21.76	-
4523.96												
29	90	-3250.09	63.18	0.03	-101.54	0.0	-266.47	-223.78	1.20	12.31	4.43	-
3250.09												
		-1.840e+04	4.43	-0.21	0.0	35.0	-266.47	-256.59	1.20	12.31	33.81	-
9873.91												
						70.1	-266.47	-325.32	1.20	12.31	63.18	-
1.840e+04												
29	91	2.344e+04	19.30	-0.02	-101.54	0.0	178.30	-196.61	-1.27	-69.06	19.30	
2.344e+04												
		6748.09	-69.41	0.06	0.0	35.0	178.30	-229.42	-1.27	-69.06	-25.05	
1.604e+04												
						70.1	178.30	-298.15	-1.27	-69.06	-69.41	
6748.09												
29	92	-2.079e+04	32.72	0.04	-101.54	0.0	-18.61	-160.07	0.66	64.00	-13.35	-
2.079e+04												
		-3.666e+04	-13.35	-0.07	0.0	35.0	-18.61	-192.88	0.66	64.00	9.69	-
2.777e+04												
						70.1	-18.61	-261.61	0.66	64.00	32.72	-
3.666e+04												
29	93	2.470e+04	10.31	-0.01	-101.54	0.0	61.80	-219.46	-0.77	-72.50	10.31	
2.470e+04												
		8463.74	-43.42	0.08	0.0	35.0	61.80	-252.27	-0.77	-72.50	-16.55	
1.754e+04												
						70.1	61.80	-321.00	-0.77	-72.50	-43.42	
8463.74												
29	94	-1.952e+04	58.71	0.04	-101.54	0.0	-135.12	-182.92	1.16	60.55	-22.34	-
1.952e+04												
		-3.494e+04	-22.34	-0.05	0.0	35.0	-135.12	-215.73	1.16	60.55	18.19	-
2.628e+04												
						70.1	-135.12	-284.46	1.16	60.55	58.71	-
3.494e+04												
29	95	2.356e+04	10.90	-0.02	-101.54	0.0	191.73	-196.11	-1.27	-69.48	10.90	
2.356e+04												
		6815.63	-70.76	0.12	0.0	35.0	191.73	-228.92	-1.27	-69.48	-29.93	
1.614e+04												
						70.1	191.73	-297.65	-1.27	-69.48	-70.76	
6815.63												
29	96	-2.066e+04	31.37	0.04	-101.54	0.0	-5.18	-159.57	0.65	63.58	-21.74	-
2.066e+04												
		-3.659e+04	-21.74	-4.04e-03	0.0	35.0	-5.18	-192.38	0.65	63.58	4.81	-
2.767e+04												
						70.1	-5.18	-261.11	0.65	63.58	31.37	-
3.659e+04												
29	97	2.458e+04	18.71	-0.01	-101.54	0.0	48.37	-219.96	-0.76	-72.09	18.71	
2.458e+04												
		8396.20	-42.07	8.86e-03	0.0	35.0	48.37	-252.77	-0.76	-72.09	-11.68	
1.744e+04												
						70.1	48.37	-321.50	-0.76	-72.09	-42.07	
8396.20												
29	98	-1.964e+04	60.06	0.04	-101.54	0.0	-148.55	-183.42	1.16	60.97	-13.94	-
1.964e+04												
		-3.501e+04	-13.94	-0.12	0.0	35.0	-148.55	-216.23	1.16	60.97	23.06	-
2.637e+04												
						70.1	-148.55	-284.96	1.16	60.97	60.06	-
3.501e+04												
29	99	2.436e+04	26.48	-0.02	-101.54	0.0	243.60	-197.45	-1.62	-72.24	26.48	
2.436e+04												
		8173.70	-87.39	0.07	0.0	35.0	243.60	-230.26	-1.62	-72.24	-30.45	
1.722e+04												
						70.1	243.60	-298.99	-1.62	-72.24	-87.39	
8173.70												
29	100	-2.171e+04	50.70	0.04	-101.54	0.0	-83.91	-159.23	1.02	67.18	-20.53	-
2.171e+04												
		-3.808e+04	-20.53	-0.09	0.0	35.0	-83.91	-192.04	1.02	67.18	15.08	-
2.894e+04												
						70.1	-83.91	-260.77	1.02	67.18	50.70	-
3.808e+04												
29	101	2.563e+04	17.49	-0.02	-101.54	0.0	127.09	-220.30	-1.12	-75.68	17.49	
2.563e+04												
		9889.34	-61.40	0.09	0.0	35.0	127.09	-253.11	-1.12	-75.68	-21.95	
1.871e+04												

						70.1	127.09	-321.84	-1.12	-75.68	-61.40	
9889.34												
29	102	-2.044e+04	76.69	0.05	-101.54	0.0	-200.42	-182.08	1.51	63.73	-29.52	-
2.044e+04												
		-3.637e+04	-29.52	-0.07	0.0	35.0	-200.42	-214.89	1.51	63.73	23.58	-
2.745e+04												
						70.1	-200.42	-283.62	1.51	63.73	76.69	-
3.637e+04												
29	103	2.449e+04	18.09	-0.02	-101.54	0.0	257.03	-196.95	-1.63	-72.66	18.09	
2.449e+04												
		8241.23	-88.74	0.14	0.0	35.0	257.03	-229.76	-1.63	-72.66	-35.33	
1.731e+04												
						70.1	257.03	-298.49	-1.63	-72.66	-88.74	
8241.23												
29	104	-2.159e+04	49.35	0.04	-101.54	0.0	-70.48	-158.73	1.01	66.76	-28.93	-
2.159e+04												
		-3.802e+04	-28.93	-0.02	0.0	35.0	-70.48	-191.54	1.01	66.76	10.21	-
2.885e+04												
						70.1	-70.48	-260.27	1.01	66.76	49.35	-
3.802e+04												
29	105	2.551e+04	25.89	-0.02	-101.54	0.0	113.66	-220.80	-1.12	-75.27	25.89	
2.551e+04												
		9821.81	-60.05	0.02	0.0	35.0	113.66	-253.61	-1.12	-75.27	-17.08	
1.862e+04												
						70.1	113.66	-322.34	-1.12	-75.27	-60.05	
9821.81												
29	106	-2.057e+04	78.04	0.05	-101.54	0.0	-213.84	-182.58	1.52	64.15	-21.13	-
2.057e+04												
		-3.643e+04	-21.13	-0.13	0.0	35.0	-213.84	-215.39	1.52	64.15	28.46	-
2.755e+04												
						70.1	-213.84	-284.12	1.52	64.15	78.04	-
3.643e+04												
30	1	-4410.92	-10.11	2.73e-03	-13.82	0.0	-47.78	-190.32	-0.89	8.37	-10.11	-
4410.92												
		-8552.70	-28.89	1.33e-03	0.0	10.5	-47.78	-197.23	-0.89	8.37	-19.50	-
6445.54												
						21.0	-47.78	-204.14	-0.89	8.37	-28.89	-
8552.70												
30	2	-2.748e+04	-45.48	0.02	-94.14	0.0	-65.02	-960.23	-2.73	38.05	-45.48	-
2.748e+04												
		-4.863e+04	-102.72	2.55e-03	0.0	10.5	-65.02	-1007.31	-2.73	38.05	-74.10	-
3.781e+04												
						21.0	-65.02	-1054.38	-2.73	38.05	-102.72	-
4.863e+04												
30	3	-2957.65	-7.11	1.86e-03	-9.11	0.0	-36.43	-131.87	-0.65	5.88	-7.11	-
2957.65												
		-5822.59	-20.83	9.96e-04	0.0	10.5	-36.43	-136.43	-0.65	5.88	-13.97	-
4366.19												
						21.0	-36.43	-140.98	-0.65	5.88	-20.83	-
5822.59												
30	4	-2.603e+04	-42.48	0.01	-89.44	0.0	-53.67	-901.78	-2.48	35.56	-42.48	-
2.603e+04												
		-4.590e+04	-94.66	2.22e-03	0.0	10.5	-53.67	-946.50	-2.48	35.56	-68.57	-
3.573e+04												
						21.0	-53.67	-991.22	-2.48	35.56	-94.66	-
4.590e+04												
30	5	-3203.73	-7.48	2.00e-03	-9.97	0.0	-36.61	-140.08	-0.67	6.19	-7.48	-
3203.73												
		-6250.13	-21.62	1.01e-03	0.0	10.5	-36.61	-145.07	-0.67	6.19	-14.55	-
4700.75												
						21.0	-36.61	-150.05	-0.67	6.19	-21.62	-
6250.13												
30	6	-1.858e+04	-31.06	0.01	-63.52	0.0	-48.10	-653.36	-1.89	25.98	-31.06	-
1.858e+04												
		-3.297e+04	-70.84	1.82e-03	0.0	10.5	-48.10	-685.12	-1.89	25.98	-50.95	-
2.561e+04												
						21.0	-48.10	-716.88	-1.89	25.98	-70.84	-
3.297e+04												
30	7	-3203.73	-7.48	2.00e-03	-9.97	0.0	-36.61	-140.08	-0.67	6.19	-7.48	-
3203.73												
		-6250.13	-21.62	1.01e-03	0.0	10.5	-36.61	-145.07	-0.67	6.19	-14.55	-
4700.75												

						21.0	-36.61	-150.05	-0.67	6.19	-21.62	-6250.13
30	8	-1.397e+04	-23.99	7.76e-03	-47.46	0.0	-44.66	-499.38	-1.53	20.04	-23.99	-1.397e+04
		-2.495e+04	-56.07	1.58e-03	0.0	10.5	-44.66	-523.10	-1.53	20.04	-40.03	-1.934e+04
						21.0	-44.66	-546.83	-1.53	20.04	-56.07	-2.495e+04
30	9	-3203.73	-7.48	2.00e-03	-9.97	0.0	-36.61	-140.08	-0.67	6.19	-7.48	-3203.73
		-6250.13	-21.62	1.01e-03	0.0	10.5	-36.61	-145.07	-0.67	6.19	-14.55	-4700.75
						21.0	-36.61	-150.05	-0.67	6.19	-21.62	-6250.13
30	10	-1.243e+04	-21.63	6.94e-03	-42.10	0.0	-43.51	-448.05	-1.41	18.07	-21.63	-1.243e+04
		-2.228e+04	-51.15	1.50e-03	0.0	10.5	-43.51	-469.10	-1.41	18.07	-36.39	-1.725e+04
						21.0	-43.51	-490.15	-1.41	18.07	-51.15	-2.228e+04
30	11	-1.597e+04	-112.86	8.16e-03	-42.10	0.0	-1319.25	-2011.32	-13.18	68.15	-112.86	-1.597e+04
		-4.480e+04	-389.54	0.02	0.0	10.5	-1319.25	-2032.37	-13.18	68.15	-251.20	-3.028e+04
						21.0	-1319.25	-2053.43	-13.18	68.15	-389.54	-4.480e+04
30	12	-2.871e+04	-147.43	-2.92e-03	-42.10	0.0	-503.46	-1014.84	-5.34	82.55	-147.43	-2.871e+04
		-3.553e+04	-240.47	-4.42e-03	0.0	10.5	-503.46	-1035.89	-5.34	82.55	-193.95	-3.201e+04
						21.0	-503.46	-1056.94	-5.34	82.55	-240.47	-3.553e+04
30	13	3844.92	138.17	0.02	-42.10	0.0	416.44	118.74	2.53	-46.42	104.16	-3844.92
		-9031.64	104.16	7.42e-03	0.0	10.5	416.44	97.69	2.53	-46.42	121.17	-2482.85
						21.0	416.44	76.64	2.53	-46.42	138.17	-9031.64
30	14	237.18	287.24	5.72e-03	-42.10	0.0	1232.24	1115.23	10.37	-32.02	69.60	-8893.47
		-8893.47	69.60	-0.02	0.0	10.5	1232.24	1094.18	10.37	-32.02	178.42	-4217.63
						21.0	1232.24	1073.13	10.37	-32.02	287.24	237.18
30	15	-1.480e+04	-115.06	8.03e-03	-42.10	0.0	-1380.81	-2080.10	-13.59	67.00	-115.06	-1.480e+04
		-4.508e+04	-405.75	0.02	0.0	10.5	-1380.81	-2101.15	-13.59	67.00	-260.40	-2.983e+04
						21.0	-1380.81	-2122.20	-13.59	67.00	-405.75	-4.508e+04
30	16	-2.988e+04	-145.23	-2.79e-03	-42.10	0.0	-441.90	-946.06	-4.92	83.70	-145.23	-2.988e+04
		-3.526e+04	-224.26	-4.75e-03	0.0	10.5	-441.90	-967.11	-4.92	83.70	-184.74	-3.246e+04
						21.0	-441.90	-988.16	-4.92	83.70	-224.26	-3.526e+04
30	17	5016.82	121.96	0.02	-42.10	0.0	354.88	49.97	2.11	-47.57	101.97	-5016.82
		-9305.91	101.97	7.75e-03	0.0	10.5	354.88	28.92	2.11	-47.57	111.96	-2034.03
						21.0	354.88	7.87	2.11	-47.57	121.96	-9305.91
30	18	511.45	303.45	5.84e-03	-42.10	0.0	1293.80	1184.01	10.78	-30.87	71.79	-1.007e+04
		-1.007e+04	71.79	-0.02	0.0	10.5	1293.80	1162.95	10.78	-30.87	187.62	-4666.44
						21.0	1293.80	1141.90	10.78	-30.87	303.45	511.45
30	19	-1.680e+04	-116.48	7.87e-03	-42.10	0.0	-1347.40	-2038.29	-13.56	69.06	-116.48	-1.680e+04
		-4.442e+04	-401.93	0.02	0.0	10.5	-1347.40	-2059.34	-13.56	69.06	-259.20	-3.050e+04
						21.0	-1347.40	-2080.39	-13.56	69.06	-401.93	-4.442e+04

30	20	-2.954e+04	-151.04	-3.20e-03	-42.10	0.0	-531.61	-1041.81	-5.72	83.46	-151.04	-
2.954e+04												
		-3.516e+04	-252.85	-3.89e-03	0.0	10.5	-531.61	-1062.86	-5.72	83.46	-201.95	-
3.224e+04												
						21.0	-531.61	-1083.91	-5.72	83.46	-252.85	-
3.516e+04												
30	21	4672.12	150.56	0.02	-42.10	0.0	444.59	145.71	2.91	-47.33	107.78	
4672.12												
		-9409.87	107.78	6.88e-03	0.0	10.5	444.59	124.66	2.91	-47.33	129.17	-
2258.36												
						21.0	444.59	103.61	2.91	-47.33	150.56	-
9409.87												
30	22	-141.04	299.63	6.00e-03	-42.10	0.0	1260.39	1142.20	10.75	-32.93	73.21	-
8066.28												
		-8066.28	73.21	-0.02	0.0	10.5	1260.39	1121.15	10.75	-32.93	186.42	-
3993.14												
						21.0	1260.39	1100.10	10.75	-32.93	299.63	-
141.04												
30	23	-1.563e+04	-118.67	7.75e-03	-42.10	0.0	-1408.96	-2107.07	-13.98	67.91	-118.67	-
1.563e+04												
		-4.470e+04	-418.14	0.02	0.0	10.5	-1408.96	-2128.12	-13.98	67.91	-268.40	-
3.005e+04												
						21.0	-1408.96	-2149.17	-13.98	67.91	-418.14	-
4.470e+04												
30	24	-3.071e+04	-148.84	-3.08e-03	-42.10	0.0	-470.05	-973.03	-5.31	84.61	-148.84	-
3.071e+04												
		-3.488e+04	-236.64	-4.21e-03	0.0	10.5	-470.05	-994.08	-5.31	84.61	-192.74	-
3.268e+04												
						21.0	-470.05	-1015.13	-5.31	84.61	-236.64	-
3.488e+04												
30	25	5844.01	134.35	0.02	-42.10	0.0	383.03	76.94	2.50	-48.48	105.58	
5844.01												
		-9684.14	105.58	7.21e-03	0.0	10.5	383.03	55.88	2.50	-48.48	119.96	-
1809.55												
						21.0	383.03	34.83	2.50	-48.48	134.35	-
9684.14												
30	26	133.23	315.84	6.13e-03	-42.10	0.0	1321.95	1210.97	11.17	-31.78	75.41	-
9238.17												
		-9238.17	75.41	-0.02	0.0	10.5	1321.95	1189.92	11.17	-31.78	195.62	-
4441.96												
						21.0	1321.95	1168.87	11.17	-31.78	315.84	133.23
30	27	5826.75	3.42	0.02	-42.10	0.0	-1663.52	-2428.37	-16.83	11.25	3.42	
5826.75												
		-4.310e+04	-378.76	0.04	0.0	10.5	-1663.52	-2449.42	-16.83	11.25	-187.67	-
1.852e+04												
						21.0	-1663.52	-2470.47	-16.83	11.25	-378.76	-
4.310e+04												
30	28	-1.220e+04	118.15	-0.01	-42.10	0.0	1055.79	893.25	9.31	59.25	-111.80	-
3.663e+04												
		-3.663e+04	-111.80	-0.04	0.0	10.5	1055.79	872.20	9.31	59.25	3.17	-
2.431e+04												
						21.0	1055.79	851.15	9.31	59.25	118.15	-
1.220e+04												
30	29	1.177e+04	68.53	0.03	-42.10	0.0	-1142.81	-1789.35	-12.12	-23.12	68.53	
1.177e+04												
		-3.237e+04	-220.44	0.04	0.0	10.5	-1142.81	-1810.40	-12.12	-23.12	-75.96	-
1.019e+04												
						21.0	-1142.81	-1831.45	-12.12	-23.12	-220.44	-
3.237e+04												
30	30	-1469.05	276.46	-0.01	-42.10	0.0	1576.50	1532.27	14.02	24.88	-46.69	-
3.069e+04												
		-3.069e+04	-46.69	-0.04	0.0	10.5	1576.50	1511.22	14.02	24.88	114.89	-
1.597e+04												
						21.0	1576.50	1490.17	14.02	24.88	276.46	-
1469.05												
30	31	5578.59	2.34	0.02	-42.10	0.0	-1671.96	-2436.46	-16.95	11.53	2.34	
5578.59												
		-4.298e+04	-382.47	0.04	0.0	10.5	-1671.96	-2457.51	-16.95	11.53	-190.07	-
1.859e+04												
						21.0	-1671.96	-2478.56	-16.95	11.53	-382.47	-
4.298e+04												
30	32	-1.209e+04	114.43	-0.01	-42.10	0.0	1047.34	885.16	9.19	59.52	-112.88	-

3.688e+04												
		-3.688e+04	-112.88	-0.04	0.0	10.5	1047.34	864.11	9.19	59.52	0.77	-
2.437e+04												
						21.0	1047.34	843.06	9.19	59.52	114.43	-
1.209e+04												
30	33	1.202e+04	69.62	0.03	-42.10	0.0	-1134.36	-1781.26	-12.00	-23.39	69.62	
1.202e+04												
		-3.248e+04	-216.73	0.04	0.0	10.5	-1134.36	-1802.31	-12.00	-23.39	-73.56	-
1.012e+04												
						21.0	-1134.36	-1823.36	-12.00	-23.39	-216.73	-
3.248e+04												
30	34	-1582.51	280.17	-0.01	-42.10	0.0	1584.94	1540.36	14.13	24.60	-45.60	-
3.044e+04												
		-3.044e+04	-45.60	-0.04	0.0	10.5	1584.94	1519.31	14.13	24.60	117.29	-
1.590e+04												
						21.0	1584.94	1498.26	14.13	24.60	280.17	-
1582.51												
30	35	9733.07	-3.90	0.02	-42.10	0.0	-1868.72	-2657.62	-18.21	7.42	-3.90	
9733.07												
		-4.401e+04	-432.79	0.04	0.0	10.5	-1868.72	-2678.67	-18.21	7.42	-218.35	-
1.703e+04												
						21.0	-1868.72	-2699.72	-18.21	7.42	-432.79	-
4.401e+04												
30	36	-1.129e+04	172.18	-0.01	-42.10	0.0	1261.00	1122.51	10.69	63.08	-104.47	-
4.054e+04												
		-4.054e+04	-104.47	-0.04	0.0	10.5	1261.00	1101.46	10.69	63.08	33.85	-
2.580e+04												
						21.0	1261.00	1080.40	10.69	63.08	172.18	-
1.129e+04												
30	37	1.568e+04	61.21	0.03	-42.10	0.0	-1348.01	-2018.60	-13.50	-26.95	61.21	
1.568e+04												
		-3.328e+04	-274.48	0.04	0.0	10.5	-1348.01	-2039.65	-13.50	-26.95	-106.64	-
8690.41												
						21.0	-1348.01	-2060.70	-13.50	-26.95	-274.48	-
3.328e+04												
30	38	-554.81	330.49	-9.81e-03	-42.10	0.0	1781.70	1761.53	15.40	28.71	-39.37	-
3.460e+04												
		-3.460e+04	-39.37	-0.04	0.0	10.5	1781.70	1740.48	15.40	28.71	145.56	-
1.747e+04												
						21.0	1781.70	1719.43	15.40	28.71	330.49	-
554.81												
30	39	9484.91	-4.98	0.02	-42.10	0.0	-1877.17	-2665.71	-18.33	7.70	-4.98	
9484.91												
		-4.390e+04	-436.51	0.04	0.0	10.5	-1877.17	-2686.76	-18.33	7.70	-220.75	-
1.710e+04												
						21.0	-1877.17	-2707.81	-18.33	7.70	-436.51	-
4.390e+04												
30	40	-1.117e+04	168.47	-0.01	-42.10	0.0	1252.55	1114.42	10.57	63.35	-105.56	-
4.079e+04												
		-4.079e+04	-105.56	-0.04	0.0	10.5	1252.55	1093.36	10.57	63.35	31.45	-
2.587e+04												
						21.0	1252.55	1072.31	10.57	63.35	168.47	-
1.117e+04												
30	41	1.593e+04	62.29	0.03	-42.10	0.0	-1339.57	-2010.51	-13.39	-27.22	62.29	
1.593e+04												
		-3.339e+04	-270.76	0.04	0.0	10.5	-1339.57	-2031.56	-13.39	-27.22	-104.24	-
8623.07												
						21.0	-1339.57	-2052.61	-13.39	-27.22	-270.76	-
3.339e+04												
30	42	-668.28	334.21	-9.73e-03	-42.10	0.0	1790.15	1769.62	15.52	28.43	-38.28	-
3.435e+04												
		-3.435e+04	-38.28	-0.04	0.0	10.5	1790.15	1748.57	15.52	28.43	147.96	-
1.740e+04												
						21.0	1790.15	1727.52	15.52	28.43	334.21	-
668.28												
30	43	-1.518e+04	-93.65	7.91e-03	-42.10	0.0	-1054.45	-1686.81	-10.69	57.72	-93.65	-
1.518e+04												
		-4.007e+04	-318.39	0.02	0.0	10.5	-1054.45	-1707.86	-10.69	57.72	-206.02	-
2.752e+04												
						21.0	-1054.45	-1728.91	-10.69	57.72	-318.39	-
4.007e+04												
30	44	-2.525e+04	-120.99	-8.70e-04	-42.10	0.0	-407.92	-897.11	-4.48	68.94	-120.99	-

2.525e+04												
		-3.279e+04	-200.46	-3.18e-03	0.0	10.5	-407.92	-918.16	-4.48	68.94	-160.73	-
2.891e+04												
						21.0	-407.92	-939.21	-4.48	68.94	-200.46	-
3.279e+04												
	30	45 388.07	98.17	0.01	-42.10	0.0	320.91	1.01	1.67	-32.81	77.72	388.07
		-1.178e+04	77.72	6.18e-03	0.0	10.5	320.91	-20.04	1.67	-32.81	87.94	-
5583.92												
						21.0	320.91	-41.09	1.67	-32.81	98.17	-
1.178e+04												
	30	46 -4493.09	216.09	5.97e-03	-42.10	0.0	967.44	790.72	7.88	-21.59	50.39	-
9681.44												
		-9681.44	50.39	-0.01	0.0	10.5	967.44	769.67	7.88	-21.59	133.24	-
6976.75												
						21.0	967.44	748.62	7.88	-21.59	216.09	-
4493.09												
	30	47 -1.425e+04	-95.41	7.81e-03	-42.10	0.0	-1103.25	-1741.32	-11.02	56.81	-95.41	-
1.425e+04												
		-4.029e+04	-331.25	0.02	0.0	10.5	-1103.25	-1762.37	-11.02	56.81	-213.33	-
2.716e+04												
						21.0	-1103.25	-1783.42	-11.02	56.81	-331.25	-
4.029e+04												
	30	48 -2.618e+04	-119.23	-7.72e-04	-42.10	0.0	-359.13	-842.59	-4.15	69.85	-119.23	-
2.618e+04												
		-3.257e+04	-187.60	-3.44e-03	0.0	10.5	-359.13	-863.64	-4.15	69.85	-153.41	-
2.927e+04												
						21.0	-359.13	-884.69	-4.15	69.85	-187.60	-
3.257e+04												
	30	49 1319.70	85.30	0.01	-42.10	0.0	272.11	-53.50	1.34	-33.72	75.96	
1319.70												
		-1.200e+04	75.96	6.44e-03	0.0	10.5	272.11	-74.55	1.34	-33.72	80.63	-
5227.26												
						21.0	272.11	-95.60	1.34	-33.72	85.30	-
1.200e+04												
	30	50 -4274.78	228.96	6.06e-03	-42.10	0.0	1016.23	845.23	8.21	-20.68	52.15	-
1.061e+04												
		-1.061e+04	52.15	-0.01	0.0	10.5	1016.23	824.18	8.21	-20.68	140.55	-
7333.40												
						21.0	1016.23	803.13	8.21	-20.68	228.96	-
4274.78												
	30	51 -1.580e+04	-96.40	7.68e-03	-42.10	0.0	-1076.70	-1708.10	-11.00	58.40	-96.40	-
1.580e+04												
		-3.976e+04	-328.24	0.02	0.0	10.5	-1076.70	-1729.15	-11.00	58.40	-212.32	-
2.767e+04												
						21.0	-1076.70	-1750.20	-11.00	58.40	-328.24	-
3.976e+04												
	30	52 -2.587e+04	-123.73	-1.10e-03	-42.10	0.0	-430.17	-918.40	-4.79	69.62	-123.73	-
2.587e+04												
		-3.248e+04	-210.31	-2.75e-03	0.0	10.5	-430.17	-939.45	-4.79	69.62	-167.02	-
2.906e+04												
						21.0	-430.17	-960.50	-4.79	69.62	-210.31	-
3.248e+04												
	30	53 1010.75	108.01	0.01	-42.10	0.0	343.16	22.30	1.98	-33.49	80.47	
1010.75												
		-1.209e+04	80.47	5.74e-03	0.0	10.5	343.16	1.25	1.98	-33.49	94.24	-
5428.80												
						21.0	343.16	-19.80	1.98	-33.49	108.01	-
1.209e+04												
	30	54 -4805.53	225.94	6.19e-03	-42.10	0.0	989.69	812.01	8.19	-22.27	53.13	-
9058.76												
		-9058.76	53.13	-0.01	0.0	10.5	989.69	790.96	8.19	-22.27	139.53	-
6821.63												
						21.0	989.69	769.91	8.19	-22.27	225.94	-
4805.53												
	30	55 -1.487e+04	-98.16	7.58e-03	-42.10	0.0	-1125.50	-1762.61	-11.33	57.49	-98.16	-
1.487e+04												
		-3.998e+04	-341.10	0.02	0.0	10.5	-1125.50	-1783.66	-11.33	57.49	-219.63	-
2.732e+04												
						21.0	-1125.50	-1804.71	-11.33	57.49	-341.10	-
3.998e+04												
	30	56 -2.681e+04	-121.97	-9.98e-04	-42.10	0.0	-381.38	-863.88	-4.47	70.53	-121.97	-
2.681e+04												

		-3.226e+04	-197.45	-3.01e-03	0.0	10.5	-381.38	-884.93	-4.47	70.53	-159.71	-2.942e+04
						21.0	-381.38	-905.98	-4.47	70.53	-197.45	-3.226e+04
30	57	1942.38	95.15	0.01	-42.10	0.0	294.36	-32.21	1.65	-34.40	78.70	1942.38
		-1.231e+04	78.70	6.00e-03	0.0	10.5	294.36	-53.26	1.65	-34.40	86.93	-5072.14
						21.0	294.36	-74.31	1.65	-34.40	95.15	-1.231e+04
30	58	-4587.21	238.80	6.29e-03	-42.10	0.0	1038.48	866.52	8.52	-21.36	54.89	-9990.38
		-9990.38	54.89	-0.01	0.0	10.5	1038.48	845.47	8.52	-21.36	146.85	-7178.28
						21.0	1038.48	824.42	8.52	-21.36	238.80	-4587.21
30	59	2015.33	-1.78	0.02	-42.10	0.0	-1327.36	-2017.40	-13.61	12.95	-1.78	2015.33
		-3.867e+04	-310.18	0.03	0.0	10.5	-1327.36	-2038.45	-13.61	12.95	-155.98	-1.822e+04
						21.0	-1327.36	-2059.50	-13.61	12.95	-310.18	-3.867e+04
30	60	-1.439e+04	82.91	-8.72e-03	-42.10	0.0	827.74	614.96	7.09	50.33	-92.90	-3.155e+04
		-3.155e+04	-92.90	-0.03	0.0	10.5	827.74	593.91	7.09	50.33	-4.99	-2.286e+04
						21.0	827.74	572.86	7.09	50.33	82.91	-1.439e+04
30	61	6686.33	49.63	0.02	-42.10	0.0	-914.75	-1511.05	-9.90	-14.20	49.63	6686.33
		-3.018e+04	-185.21	0.03	0.0	10.5	-914.75	-1532.10	-9.90	-14.20	-67.79	-1.164e+04
						21.0	-914.75	-1553.15	-9.90	-14.20	-185.21	-3.018e+04
30	62	-5898.67	207.88	-6.67e-03	-42.10	0.0	1240.34	1121.30	10.80	23.18	-41.48	-2.688e+04
		-2.688e+04	-41.48	-0.03	0.0	10.5	1240.34	1100.25	10.80	23.18	83.20	-1.628e+04
						21.0	1240.34	1079.20	10.80	23.18	207.88	-5898.67
30	63	1828.52	-2.60	0.02	-42.10	0.0	-1334.04	-2023.79	-13.70	13.16	-2.60	1828.52
		-3.857e+04	-313.13	0.04	0.0	10.5	-1334.04	-2044.84	-13.70	13.16	-157.87	-1.826e+04
						21.0	-1334.04	-2065.89	-13.70	13.16	-313.13	-3.857e+04
30	64	-1.429e+04	79.96	-8.79e-03	-42.10	0.0	821.06	608.57	6.99	50.54	-93.72	-3.174e+04
		-3.174e+04	-93.72	-0.03	0.0	10.5	821.06	587.52	6.99	50.54	-6.88	-2.290e+04
						21.0	821.06	566.47	6.99	50.54	79.96	-1.429e+04
30	65	6873.13	50.45	0.02	-42.10	0.0	-908.08	-1504.67	-9.80	-14.41	50.45	6873.13
		-3.027e+04	-182.26	0.03	0.0	10.5	-908.08	-1525.72	-9.80	-14.41	-65.90	-1.159e+04
						21.0	-908.08	-1546.77	-9.80	-14.41	-182.26	-3.027e+04
30	66	-5992.40	210.84	-6.60e-03	-42.10	0.0	1247.02	1127.69	10.89	22.97	-40.66	-2.669e+04
		-2.669e+04	-40.66	-0.03	0.0	10.5	1247.02	1106.64	10.89	22.97	85.09	-1.623e+04
						21.0	1247.02	1085.59	10.89	22.97	210.84	-5992.40
30	67	5120.74	-7.65	0.02	-42.10	0.0	-1490.01	-2199.10	-14.70	9.91	-7.65	5120.74
		-3.939e+04	-353.05	0.04	0.0	10.5	-1490.01	-2220.15	-14.70	9.91	-180.35	-1.703e+04
						21.0	-1490.01	-2241.21	-14.70	9.91	-353.05	-3.939e+04
30	68	-1.366e+04	125.79	-8.39e-03	-42.10	0.0	990.38	796.66	8.18	53.37	-87.02	-3.466e+04

		-3.466e+04	-87.02	-0.03	0.0	10.5	990.38	775.61	8.18	53.37	19.38	-
2.405e+04												
						21.0	990.38	754.56	8.18	53.37	125.79	-
1.366e+04												
	30	69 9791.75	43.76	0.02	-42.10	0.0	-1077.40	-1692.76	-10.99	-17.24	43.76	
9791.75												
		-3.091e+04	-228.08	0.03	0.0	10.5	-1077.40	-1713.81	-10.99	-17.24	-92.16	-
1.045e+04												
						21.0	-1077.40	-1734.86	-10.99	-17.24	-228.08	-
3.091e+04												
	30	70 -5170.96	250.75	-6.34e-03	-42.10	0.0	1402.99	1303.01	11.89	26.22	-35.61	-
2.998e+04												
		-2.998e+04	-35.61	-0.03	0.0	10.5	1402.99	1281.96	11.89	26.22	107.57	-
1.747e+04												
						21.0	1402.99	1260.91	11.89	26.22	250.75	-
5170.96												
	30	71 4933.94	-8.48	0.02	-42.10	0.0	-1496.68	-2205.49	-14.80	10.12	-8.48	
4933.94												
		-3.930e+04	-356.01	0.04	0.0	10.5	-1496.68	-2226.54	-14.80	10.12	-182.24	-
1.707e+04												
						21.0	-1496.68	-2247.59	-14.80	10.12	-356.01	-
3.930e+04												
	30	72 -1.357e+04	122.83	-8.46e-03	-42.10	0.0	983.71	790.28	8.09	53.58	-87.85	-
3.484e+04												
		-3.484e+04	-87.85	-0.03	0.0	10.5	983.71	769.22	8.09	53.58	17.49	-
2.409e+04												
						21.0	983.71	748.17	8.09	53.58	122.83	-
1.357e+04												
	30	73 9978.55	44.58	0.02	-42.10	0.0	-1070.72	-1686.37	-10.90	-17.45	44.58	
9978.55												
		-3.100e+04	-225.13	0.03	0.0	10.5	-1070.72	-1707.42	-10.90	-17.45	-90.27	-
1.040e+04												
						21.0	-1070.72	-1728.47	-10.90	-17.45	-225.13	-
3.100e+04												
	30	74 -5264.70	253.71	-6.27e-03	-42.10	0.0	1409.67	1309.40	11.99	26.01	-34.79	-
2.980e+04												
		-2.980e+04	-34.79	-0.03	0.0	10.5	1409.67	1288.35	11.99	26.01	109.46	-
1.742e+04												
						21.0	1409.67	1267.30	11.99	26.01	253.71	-
5264.70												
	30	75 -1.472e+04	-81.24	7.74e-03	-42.10	0.0	-879.02	-1471.80	-9.08	50.86	-81.24	-
1.472e+04												
		-3.699e+04	-272.09	0.01	0.0	10.5	-879.02	-1492.85	-9.08	50.86	-176.66	-
2.575e+04												
						21.0	-879.02	-1513.90	-9.08	50.86	-272.09	-
3.699e+04												
	30	76 -2.305e+04	-103.84	7.98e-04	-42.10	0.0	-344.71	-819.17	-3.95	60.14	-103.84	-
2.305e+04												
		-3.097e+04	-174.62	-2.38e-03	0.0	10.5	-344.71	-840.22	-3.95	60.14	-139.23	-
2.690e+04												
						21.0	-344.71	-861.27	-3.95	60.14	-174.62	-
3.097e+04												
	30	77 -1816.51	72.32	0.01	-42.10	0.0	257.69	-76.92	1.14	-24.01	60.57	-
1816.51												
		-1.360e+04	60.57	5.37e-03	0.0	10.5	257.69	-97.97	1.14	-24.01	66.45	-
7595.34												
						21.0	257.69	-119.03	1.14	-24.01	72.32	-
1.360e+04												
	30	78 -7572.22	169.80	6.14e-03	-42.10	0.0	792.00	575.70	6.27	-14.73	37.97	-
1.014e+04												
		-1.014e+04	37.97	-0.01	0.0	10.5	792.00	554.65	6.27	-14.73	103.88	-
8745.57												
						21.0	792.00	533.60	6.27	-14.73	169.80	-
7572.22												
	30	79 -1.395e+04	-82.69	7.66e-03	-42.10	0.0	-919.34	-1516.85	-9.35	50.10	-82.69	-
1.395e+04												
		-3.717e+04	-282.72	0.01	0.0	10.5	-919.34	-1537.90	-9.35	50.10	-182.71	-
2.545e+04												
						21.0	-919.34	-1558.95	-9.35	50.10	-282.72	-
3.717e+04												
	30	80 -2.382e+04	-102.39	8.53e-04	-42.10	0.0	-304.39	-774.12	-3.68	60.89	-102.39	-
2.382e+04												

		-3.079e+04	-164.00	-2.59e-03	0.0	10.5	-304.39	-795.17	-3.68	60.89	-133.19	-2.719e+04
						21.0	-304.39	-816.22	-3.68	60.89	-164.00	-3.079e+04
	30	81 -1046.79	61.70	0.01	-42.10	0.0	217.37	-121.97	0.87	-24.76	59.12	-1046.79
		-1.378e+04	59.12	5.59e-03	0.0	10.5	217.37	-143.02	0.87	-24.76	60.41	-7300.62
						21.0	217.37	-164.07	0.87	-24.76	61.70	-1.378e+04
	30	82 -7391.95	180.42	6.22e-03	-42.10	0.0	832.32	620.75	6.54	-13.97	39.42	-1.091e+04
		-1.091e+04	39.42	-0.01	0.0	10.5	832.32	599.70	6.54	-13.97	109.92	-9040.29
						21.0	832.32	578.65	6.54	-13.97	180.42	-7391.95
	30	83 -1.524e+04	-83.50	7.55e-03	-42.10	0.0	-897.40	-1489.41	-9.34	51.42	-83.50	-1.524e+04
		-3.674e+04	-280.22	0.01	0.0	10.5	-897.40	-1510.46	-9.34	51.42	-181.86	-2.588e+04
						21.0	-897.40	-1531.51	-9.34	51.42	-280.22	-3.674e+04
	30	84 -2.356e+04	-106.10	6.86e-04	-42.10	0.0	-363.10	-836.78	-4.21	60.70	-106.10	-2.356e+04
		-3.071e+04	-182.75	-2.02e-03	0.0	10.5	-363.10	-857.83	-4.21	60.70	-144.43	-2.703e+04
						21.0	-363.10	-878.88	-4.21	60.70	-182.75	-3.071e+04
	30	85 -1301.31	80.45	0.01	-42.10	0.0	276.08	-59.32	1.40	-24.57	62.84	-1301.31
		-1.385e+04	62.84	5.01e-03	0.0	10.5	276.08	-80.37	1.40	-24.57	71.64	-7466.78
						21.0	276.08	-101.42	1.40	-24.57	80.45	-1.385e+04
	30	86 -7830.30	177.92	6.32e-03	-42.10	0.0	810.38	593.31	6.53	-15.29	40.23	-9624.75
		-9624.75	40.23	-0.01	0.0	10.5	810.38	572.26	6.53	-15.29	109.08	-8617.01
						21.0	810.38	551.21	6.53	-15.29	177.92	-7830.30
	30	87 -1.447e+04	-84.95	7.47e-03	-42.10	0.0	-937.72	-1534.45	-9.61	50.67	-84.95	-1.447e+04
		-3.692e+04	-290.85	0.01	0.0	10.5	-937.72	-1555.50	-9.61	50.67	-187.90	-2.558e+04
						21.0	-937.72	-1576.56	-9.61	50.67	-290.85	-3.692e+04
	30	88 -2.433e+04	-104.65	7.38e-04	-42.10	0.0	-322.77	-791.73	-3.94	61.46	-104.65	-2.433e+04
		-3.053e+04	-172.12	-2.23e-03	0.0	10.5	-322.77	-812.78	-3.94	61.46	-138.39	-2.732e+04
						21.0	-322.77	-833.83	-3.94	61.46	-172.12	-3.053e+04
	30	89 -531.60	69.82	0.01	-42.10	0.0	235.76	-104.37	1.12	-25.33	61.38	-531.60
		-1.403e+04	61.38	5.23e-03	0.0	10.5	235.76	-125.42	1.12	-25.33	65.60	-7172.06
						21.0	235.76	-146.47	1.12	-25.33	69.82	-1.403e+04
	30	90 -7650.02	188.55	6.40e-03	-42.10	0.0	850.71	638.36	6.80	-14.54	41.69	-1.039e+04
		-1.039e+04	41.69	-0.01	0.0	10.5	850.71	617.31	6.80	-14.54	115.12	-8911.73
						21.0	850.71	596.26	6.80	-14.54	188.55	-7650.02
	30	91 -495.33	-5.23	0.02	-42.10	0.0	-1104.52	-1744.99	-11.49	13.83	-5.23	-495.33
		-3.583e+04	-265.27	0.03	0.0	10.5	-1104.52	-1766.04	-11.49	13.83	-135.25	-1.805e+04
						21.0	-1104.52	-1787.09	-11.49	13.83	-265.27	-3.583e+04
	30	92 -1.575e+04	59.64	-6.00e-03	-42.10	0.0	676.49	430.44	5.61	44.76	-80.57	-2.824e+04

		-2.824e+04	-80.57	-0.02	0.0	10.5	676.49	409.38	5.61	44.76	-10.47	-2.189e+04
						21.0	676.49	388.33	5.61	44.76	59.64	-1.575e+04
30	93	3376.75	37.31	0.02	-42.10	0.0	-763.51	-1326.53	-8.42	-8.63	37.31	3376.75
		-2.881e+04	-161.94	0.03	0.0	10.5	-763.51	-1347.58	-8.42	-8.63	-62.31	-1.261e+04
						21.0	-763.51	-1368.63	-8.42	-8.63	-161.94	-2.881e+04
30	94	-8734.73	162.97	-4.31e-03	-42.10	0.0	1017.51	848.90	8.68	22.30	-38.03	-2.437e+04
		-2.437e+04	-38.03	-0.03	0.0	10.5	1017.51	827.85	8.68	22.30	62.47	-1.644e+04
						21.0	1017.51	806.80	8.68	22.30	162.97	-8734.73
30	95	-649.88	-5.91	0.02	-42.10	0.0	-1110.04	-1750.27	-11.57	13.99	-5.91	649.88
		-3.575e+04	-267.70	0.03	0.0	10.5	-1110.04	-1771.33	-11.57	13.99	-136.81	-1.809e+04
						21.0	-1110.04	-1792.38	-11.57	13.99	-267.70	-3.575e+04
30	96	-1.568e+04	57.20	-6.06e-03	-42.10	0.0	670.98	425.15	5.54	44.93	-81.25	-2.839e+04
		-2.839e+04	-81.25	-0.02	0.0	10.5	670.98	404.10	5.54	44.93	-12.03	-2.193e+04
						21.0	670.98	383.05	5.54	44.93	57.20	-1.568e+04
30	97	3531.31	37.99	0.02	-42.10	0.0	-757.99	-1321.25	-8.35	-8.80	37.99	3531.31
		-2.889e+04	-159.50	0.03	0.0	10.5	-757.99	-1342.30	-8.35	-8.80	-60.76	-1.257e+04
						21.0	-757.99	-1363.35	-8.35	-8.80	-159.50	-2.889e+04
30	98	-8812.15	165.40	-4.25e-03	-42.10	0.0	1023.02	854.18	8.76	22.14	-37.35	-2.421e+04
		-2.421e+04	-37.35	-0.03	0.0	10.5	1023.02	833.13	8.76	22.14	64.03	-1.640e+04
						21.0	1023.02	812.08	8.76	22.14	165.40	-8812.15
30	99	2070.39	-10.07	0.02	-42.10	0.0	-1238.94	-1895.16	-12.40	11.31	-10.07	2070.39
		-3.643e+04	-300.69	0.03	0.0	10.5	-1238.94	-1916.21	-12.40	11.31	-155.38	-1.707e+04
						21.0	-1238.94	-1937.26	-12.40	11.31	-300.69	-3.643e+04
30	100	-1.515e+04	95.07	-5.73e-03	-42.10	0.0	810.91	580.60	6.52	47.28	-75.73	-3.081e+04
		-3.081e+04	-75.73	-0.02	0.0	10.5	810.91	559.55	6.52	47.28	9.67	-2.287e+04
						21.0	810.91	538.50	6.52	47.28	95.07	-1.515e+04
30	101	5942.47	32.47	0.02	-42.10	0.0	-897.92	-1476.69	-9.33	-11.15	32.47	5942.47
		-2.941e+04	-197.37	0.03	0.0	10.5	-897.92	-1497.74	-9.33	-11.15	-82.45	-1.162e+04
						21.0	-897.92	-1518.79	-9.33	-11.15	-197.37	-2.941e+04
30	102	-8133.81	198.39	-4.04e-03	-42.10	0.0	1151.92	999.06	9.58	24.82	-33.19	-2.693e+04
		-2.693e+04	-33.19	-0.03	0.0	10.5	1151.92	978.01	9.58	24.82	82.60	-1.742e+04
						21.0	1151.92	956.96	9.58	24.82	198.39	-8133.81
30	103	1915.83	-10.75	0.02	-42.10	0.0	-1244.45	-1900.44	-12.47	11.48	-10.75	1915.83
		-3.635e+04	-303.13	0.03	0.0	10.5	-1244.45	-1921.49	-12.47	11.48	-156.94	-1.711e+04
						21.0	-1244.45	-1942.54	-12.47	11.48	-303.13	-3.635e+04
30	104	-1.508e+04	92.63	-5.79e-03	-42.10	0.0	805.39	575.32	6.44	47.45	-76.41	-3.096e+04

		-3.096e+04	-76.41	-0.02	0.0	10.5	805.39	554.27	6.44	47.45	8.11	-2.291e+04
						21.0	805.39	533.21	6.44	47.45	92.63	-1.508e+04
30	105	6097.03	33.15	0.02	-42.10	0.0	-892.41	-1471.41	-9.25	-11.32	33.15	6097.03
		-2.949e+04	-194.93	0.03	0.0	10.5	-892.41	-1492.46	-9.25	-11.32	-80.89	-1.159e+04
						21.0	-892.41	-1513.51	-9.25	-11.32	-194.93	-2.949e+04
30	106	-8211.23	200.83	-3.98e-03	-42.10	0.0	1157.43	1004.34	9.66	24.65	-32.51	-2.678e+04
		-2.678e+04	-32.51	-0.03	0.0	10.5	1157.43	983.29	9.66	24.65	84.16	-1.738e+04
						21.0	1157.43	962.24	9.66	24.65	200.83	-8211.23
32	1	-59.67	-0.53	5.28e-04	-10.37	0.0	0.69	80.31	-2.40	-14.17	-0.53	-1363.71
		-1363.71	-42.21	2.60e-04	0.0	8.7	0.69	75.05	-2.40	-14.17	-21.37	-689.17
						17.4	0.69	69.94	-2.40	-14.17	-42.21	-59.67
32	2	-525.80	13.80	3.04e-03	-65.95	0.0	142.82	600.43	-21.94	-130.22	13.80	-1.037e+04
		-1.037e+04	-367.28	9.18e-04	0.0	8.7	142.82	566.68	-21.94	-130.22	-176.74	-5306.23
						17.4	142.82	534.48	-21.94	-130.22	-367.28	-525.80
32	3	-37.11	-0.68	3.59e-04	-6.93	0.0	-2.16	51.96	-1.48	-8.71	-0.68	-878.98
		-878.98	-26.34	1.87e-04	0.0	8.7	-2.16	48.46	-1.48	-8.71	-13.51	-443.00
						17.4	-2.16	45.03	-1.48	-8.71	-26.34	-37.11
32	4	-503.24	13.65	2.87e-03	-62.51	0.0	139.98	572.08	-21.02	-124.76	13.65	-9888.29
		-9888.29	-351.41	8.45e-04	0.0	8.7	139.98	540.08	-21.02	-124.76	-168.88	-5060.06
						17.4	139.98	509.57	-21.02	-124.76	-351.41	-503.24
32	5	-42.08	-0.53	3.86e-04	-7.52	0.0	-0.64	57.51	-1.69	-9.95	-0.53	-975.08
		-975.08	-29.80	1.94e-04	0.0	8.7	-0.64	53.70	-1.69	-9.95	-15.16	-492.25
						17.4	-0.64	49.99	-1.69	-9.95	-29.80	-42.08
32	6	-352.83	9.03	2.06e-03	-44.57	0.0	94.12	404.26	-14.71	-87.31	9.03	-6981.29
		-6981.29	-246.52	6.33e-04	0.0	8.7	94.12	381.45	-14.71	-87.31	-118.74	-3570.29
						17.4	94.12	359.68	-14.71	-87.31	-246.52	-352.83
32	7	-42.08	-0.53	3.86e-04	-7.52	0.0	-0.64	57.51	-1.69	-9.95	-0.53	-975.08
		-975.08	-29.80	1.94e-04	0.0	8.7	-0.64	53.70	-1.69	-9.95	-15.16	-492.25
						17.4	-0.64	49.99	-1.69	-9.95	-29.80	-42.08
32	8	-259.60	6.16	1.56e-03	-33.46	0.0	65.69	300.23	-10.80	-64.10	6.16	-5179.43
		-5179.43	-181.50	5.01e-04	0.0	8.7	65.69	283.13	-10.80	-64.10	-87.67	-2646.87
						17.4	65.69	266.77	-10.80	-64.10	-181.50	-259.60
32	9	-42.08	-0.53	3.86e-04	-7.52	0.0	-0.64	57.51	-1.69	-9.95	-0.53	-975.08
		-975.08	-29.80	1.94e-04	0.0	8.7	-0.64	53.70	-1.69	-9.95	-15.16	-492.25
						17.4	-0.64	49.99	-1.69	-9.95	-29.80	-42.08
32	10	-228.53	5.21	1.39e-03	-29.75	0.0	56.22	265.56	-9.50	-56.37	5.21	-4578.81
		-4578.81	-159.83	4.58e-04	0.0	8.7	56.22	250.35	-9.50	-56.37	-77.31	-2339.07
						17.4	56.22	235.80	-9.50	-56.37	-159.83	-228.53
32	11	81.40	141.15	-0.03	-29.75	0.0	177.93	491.24	11.68	-32.68	141.15	-

8209.18												
		-8209.18	137.63	-6.57e-04	0.0	8.7	177.93	476.03	11.68	-32.68	139.39	-
3999.30												
						17.4	177.93	461.49	11.68	-32.68	137.63	81.40
32	12	305.20	356.66	-0.03	-29.75	0.0	879.04	1049.67	25.18	-24.44	87.42	-
1.770e+04												
		-1.770e+04	87.42	-3.26e-03	0.0	8.7	879.04	1034.47	25.18	-24.44	222.04	-
8630.90												
						17.4	879.04	1019.92	25.18	-24.44	356.66	305.20
32	13	8538.58	-77.01	0.03	-29.75	0.0	-766.61	-518.56	-44.19	-88.30	-77.01	
8538.58												
		-762.26	-676.32	4.17e-03	0.0	8.7	-766.61	-533.77	-44.19	-88.30	-376.67	
3952.76												
						17.4	-766.61	-548.31	-44.19	-88.30	-676.32	-
762.26												
32	14	-538.46	-130.74	0.03	-29.75	0.0	-65.50	39.88	-30.68	-80.05	-130.74	-
948.43												
		-948.43	-457.29	1.57e-03	0.0	8.7	-65.50	24.67	-30.68	-80.05	-294.01	-
678.84												
						17.4	-65.50	10.12	-30.68	-80.05	-457.29	-
538.46												
32	15	92.18	147.54	-0.03	-29.75	0.0	198.84	511.43	12.27	-32.51	139.05	-
8547.96												
		-8547.96	139.05	-6.88e-04	0.0	8.7	198.84	496.22	12.27	-32.51	143.30	-
4163.29												
						17.4	198.84	481.68	12.27	-32.51	147.54	92.18
32	16	294.42	346.74	-0.03	-29.75	0.0	858.14	1029.48	24.60	-24.61	89.53	-
1.736e+04												
		-1.736e+04	89.53	-3.22e-03	0.0	8.7	858.14	1014.28	24.60	-24.61	218.14	-
8466.90												
						17.4	858.14	999.73	24.60	-24.61	346.74	294.42
32	17	8199.81	-79.12	0.03	-29.75	0.0	-745.71	-498.37	-43.60	-88.12	-79.12	
8199.81												
		-751.48	-666.41	4.14e-03	0.0	8.7	-745.71	-513.58	-43.60	-88.12	-372.76	
3788.76												
						17.4	-745.71	-528.12	-43.60	-88.12	-666.41	-
751.48												
32	18	-511.56	-128.64	0.03	-29.75	0.0	-86.41	19.68	-31.27	-80.23	-128.64	-
609.65												
		-609.65	-467.21	1.60e-03	0.0	8.7	-86.41	4.48	-31.27	-80.23	-297.92	-
514.85												
						17.4	-86.41	-10.07	-31.27	-80.23	-467.21	-
549.24												
32	19	90.31	148.42	-0.02	-29.75	0.0	204.50	514.55	12.17	-31.25	148.42	-
8598.43												
		-8598.43	143.85	-6.49e-04	0.0	8.7	204.50	499.34	12.17	-31.25	146.14	-
4189.46												
						17.4	204.50	484.80	12.17	-31.25	143.85	90.31
32	20	314.12	362.88	-0.02	-29.75	0.0	905.61	1072.99	25.67	-23.01	94.69	-
1.809e+04												
		-1.809e+04	94.69	-3.25e-03	0.0	8.7	905.61	1057.78	25.67	-23.01	228.79	-
8821.06												
						17.4	905.61	1043.23	25.67	-23.01	362.88	314.12
32	21	8927.82	-84.28	0.03	-29.75	0.0	-793.18	-541.87	-44.67	-89.73	-84.28	
8927.82												
		-771.18	-682.55	4.16e-03	0.0	8.7	-793.18	-557.08	-44.67	-89.73	-383.41	
4142.92												
						17.4	-793.18	-571.63	-44.67	-89.73	-682.55	-
771.18												
32	22	-488.68	-138.01	0.02	-29.75	0.0	-92.07	16.56	-31.17	-81.48	-138.01	-
559.19												
		-559.19	-463.51	1.56e-03	0.0	8.7	-92.07	1.36	-31.17	-81.48	-300.76	-
488.68												
						17.4	-92.07	-13.19	-31.17	-81.48	-463.51	-
547.37												
32	23	101.10	153.77	-0.02	-29.75	0.0	225.40	534.74	12.75	-31.08	146.32	-
8937.20												
		-8937.20	146.32	-6.81e-04	0.0	8.7	225.40	519.54	12.75	-31.08	150.04	-
4353.45												
						17.4	225.40	504.99	12.75	-31.08	153.77	101.10
32	24	303.33	352.97	-0.02	-29.75	0.0	884.70	1052.79	25.08	-23.18	96.80	-
1.775e+04												

		-1.775e+04	96.80	-3.22e-03	0.0	8.7	884.70	1037.59	25.08	-23.18	224.88	-8657.07
						17.4	884.70	1023.04	25.08	-23.18	352.97	303.33
32	25	8589.05	-86.39	0.03	-29.75	0.0	-772.27	-521.68	-44.09	-89.55	-86.39	8589.05
		-760.39	-672.63	4.13e-03	0.0	8.7	-772.27	-536.89	-44.09	-89.55	-379.51	3978.93
						17.4	-772.27	-551.43	-44.09	-89.55	-672.63	-760.39
32	26	-220.41	-135.91	0.02	-29.75	0.0	-112.97	-3.63	-31.76	-81.66	-135.91	-220.41
		-558.15	-473.43	1.60e-03	0.0	8.7	-112.97	-18.83	-31.76	-81.66	-304.67	-324.69
						17.4	-112.97	-33.38	-31.76	-81.66	-473.43	-558.15
32	27	8720.71	127.47	-6.05e-03	-29.75	0.0	-970.62	-513.70	-23.63	-61.77	127.47	8720.71
		-474.99	-402.79	4.07e-03	0.0	8.7	-970.62	-528.91	-23.63	-61.77	-137.66	4187.46
						17.4	-970.62	-543.45	-23.63	-61.77	-402.79	-474.99
32	28	271.03	327.32	-7.62e-03	-29.75	0.0	1366.41	1347.75	21.38	-34.28	-51.61	-2.290e+04
		-2.290e+04	-51.61	-4.60e-03	0.0	8.7	1366.41	1332.55	21.38	-34.28	137.85	-1.125e+04
						17.4	1366.41	1318.00	21.38	-34.28	327.32	271.03
32	29	1.375e+04	62.02	0.01	-29.75	0.0	-1253.98	-816.64	-40.39	-78.46	62.02	1.375e+04
		-728.09	-646.98	5.51e-03	0.0	8.7	-1253.98	-831.85	-40.39	-78.46	-292.48	6573.07
						17.4	-1253.98	-846.39	-40.39	-78.46	-646.98	-728.09
32	30	17.93	83.13	8.83e-03	-29.75	0.0	1083.05	1044.81	4.62	-50.96	-117.06	-1.788e+04
		-1.788e+04	-117.06	-3.15e-03	0.0	8.7	1083.05	1029.61	4.62	-50.96	-16.97	-8865.60
						17.4	1083.05	1015.06	4.62	-50.96	83.13	17.93
32	31	8603.94	129.65	-4.87e-03	-29.75	0.0	-962.65	-506.71	-23.48	-61.34	129.65	8603.94
		-472.32	-400.93	4.07e-03	0.0	8.7	-962.65	-521.91	-23.48	-61.34	-135.64	4130.41
						17.4	-962.65	-536.46	-23.48	-61.34	-400.93	-472.32
32	32	273.71	329.18	-6.44e-03	-29.75	0.0	1374.38	1354.75	21.53	-33.85	-49.43	-2.302e+04
		-2.302e+04	-49.43	-4.60e-03	0.0	8.7	1374.38	1339.54	21.53	-33.85	139.88	-1.131e+04
						17.4	1374.38	1324.99	21.53	-33.85	329.18	273.71
32	33	1.386e+04	59.84	9.22e-03	-29.75	0.0	-1261.95	-823.63	-40.53	-78.88	59.84	1.386e+04
		-730.76	-648.84	5.51e-03	0.0	8.7	-1261.95	-838.84	-40.53	-78.88	-294.50	6630.12
						17.4	-1261.95	-853.39	-40.53	-78.88	-648.84	-730.76
32	34	15.26	81.26	7.65e-03	-29.75	0.0	1075.08	1037.82	4.48	-51.39	-119.24	-1.776e+04
		-1.776e+04	-119.24	-3.15e-03	0.0	8.7	1075.08	1022.61	4.48	-51.39	-18.99	-8808.55
						17.4	1075.08	1008.07	4.48	-51.39	81.26	15.26
32	35	7591.46	120.47	-5.70e-03	-29.75	0.0	-900.94	-446.39	-21.68	-61.18	120.47	7591.46
		-439.04	-369.74	3.96e-03	0.0	8.7	-900.94	-461.60	-21.68	-61.18	-124.64	3640.81
						17.4	-900.94	-476.15	-21.68	-61.18	-369.74	-439.04
32	36	235.08	294.26	-7.97e-03	-29.75	0.0	1296.73	1280.45	19.43	-34.87	-44.61	-2.177e+04
		-2.177e+04	-44.61	-4.49e-03	0.0	8.7	1296.73	1265.24	19.43	-34.87	124.83	-1.070e+04
						17.4	1296.73	1250.69	19.43	-34.87	294.26	235.08
32	37	1.262e+04	55.02	0.01	-29.75	0.0	-1184.30	-749.33	-38.44	-77.87	55.02	1.262e+04

		-692.14	-613.92	5.41e-03	0.0	8.7	-1184.30	-764.54	-38.44	-77.87	-279.45	6026.42
						17.4	-1184.30	-779.09	-38.44	-77.87	-613.92	-692.14
32	38	-18.02	50.08	8.48e-03	-29.75	0.0	1013.37	977.51	2.67	-51.55	-110.06	-1.675e+04
		-1.675e+04	-110.06	-3.05e-03	0.0	8.7	1013.37	962.30	2.67	-51.55	-29.99	-8318.95
						17.4	1013.37	947.75	2.67	-51.55	50.08	-18.02
32	39	7474.69	122.65	-4.52e-03	-29.75	0.0	-892.97	-439.40	-21.53	-60.75	122.65	7474.69
		-436.37	-367.87	3.96e-03	0.0	8.7	-892.97	-454.61	-21.53	-60.75	-122.61	3583.76
						17.4	-892.97	-469.15	-21.53	-60.75	-367.87	-436.37
32	40	237.76	296.13	-6.79e-03	-29.75	0.0	1304.70	1287.44	19.58	-34.44	-42.43	-2.189e+04
		-2.189e+04	-42.43	-4.49e-03	0.0	8.7	1304.70	1272.23	19.58	-34.44	126.85	-1.076e+04
						17.4	1304.70	1257.69	19.58	-34.44	296.13	237.76
32	41	1.273e+04	52.84	9.57e-03	-29.75	0.0	-1192.27	-756.33	-38.58	-78.29	52.84	1.273e+04
		-694.82	-615.79	5.41e-03	0.0	8.7	-1192.27	-771.53	-38.58	-78.29	-281.48	6083.47
						17.4	-1192.27	-786.08	-38.58	-78.29	-615.79	-694.82
32	42	-20.69	48.21	7.30e-03	-29.75	0.0	1005.40	970.51	2.53	-51.98	-112.24	-1.663e+04
		-1.663e+04	-112.24	-3.05e-03	0.0	8.7	1005.40	955.31	2.53	-51.98	-32.01	-8261.90
						17.4	1005.40	940.76	2.53	-51.98	48.21	-20.69
32	43	16.86	109.16	-0.02	-29.75	0.0	152.33	444.18	7.26	-37.67	109.16	-7451.59
		-7451.59	75.67	-4.12e-04	0.0	8.7	152.33	428.97	7.26	-37.67	92.42	-3652.77
						17.4	152.33	414.43	7.26	-37.67	75.67	16.86
32	44	193.33	248.40	-0.02	-29.75	0.0	707.78	886.49	17.89	-31.21	70.10	-1.497e+04
		-1.497e+04	70.10	-2.51e-03	0.0	8.7	707.78	871.28	17.89	-31.21	159.25	-7321.71
						17.4	707.78	856.73	17.89	-31.21	248.40	193.33
32	45	5808.34	-59.69	0.02	-29.75	0.0	-595.35	-355.37	-36.89	-81.53	-59.69	5808.34
		-650.39	-568.06	3.43e-03	0.0	8.7	-595.35	-370.58	-36.89	-81.53	-313.87	2643.58
						17.4	-595.35	-385.13	-36.89	-81.53	-568.06	-650.39
32	46	-473.92	-98.75	0.02	-29.75	0.0	-39.90	86.93	-26.26	-75.06	-98.75	-1706.02
		-1706.02	-395.34	1.33e-03	0.0	8.7	-39.90	71.73	-26.26	-75.06	-247.04	-1025.37
						17.4	-39.90	57.18	-26.26	-75.06	-395.34	-473.92
32	47	25.26	107.65	-0.02	-29.75	0.0	168.88	460.20	7.72	-37.53	107.65	-7720.36
		-7720.36	83.38	-4.41e-04	0.0	8.7	168.88	444.99	7.72	-37.53	95.52	-3782.95
						17.4	168.88	430.44	7.72	-37.53	83.38	25.26
32	48	184.93	240.69	-0.02	-29.75	0.0	691.23	870.47	17.43	-31.35	71.60	-1.470e+04
		-1.470e+04	71.60	-2.48e-03	0.0	8.7	691.23	855.27	17.43	-31.35	156.15	-7191.53
						17.4	691.23	840.72	17.43	-31.35	240.69	184.93
32	49	5539.57	-61.19	0.02	-29.75	0.0	-578.80	-339.36	-36.43	-81.38	-61.19	5539.57
		-641.99	-560.35	3.40e-03	0.0	8.7	-578.80	-354.56	-36.43	-81.38	-310.77	2513.39
						17.4	-578.80	-369.11	-36.43	-81.38	-560.35	-641.99
32	50	-482.32	-97.24	0.02	-29.75	0.0	-56.45	70.92	-26.72	-75.20	-97.24	-1437.25
		-1437.25	-403.04	1.36e-03	0.0	8.7	-56.45	55.71	-26.72	-75.20	-250.14	-

895.19												
						17.4	-56.45	41.16	-26.72	-75.20	-403.04	-
482.32												
32	51	23.85	114.38	-0.02	-29.75	0.0	173.15	462.48	7.63	-36.53	114.38	-
7757.05												
		-7757.05	80.52	-4.08e-04	0.0	8.7	173.15	447.27	7.63	-36.53	97.45	-
3802.01												
						17.4	173.15	432.73	7.63	-36.53	80.52	23.85
32	52	200.31	253.25	-0.02	-29.75	0.0	728.59	904.79	18.26	-30.07	75.32	-
1.527e+04												
		-1.527e+04	75.32	-2.51e-03	0.0	8.7	728.59	889.58	18.26	-30.07	164.28	-
7470.95												
						17.4	728.59	875.03	18.26	-30.07	253.25	200.31
32	53	6113.81	-64.91	0.02	-29.75	0.0	-616.16	-373.67	-37.26	-82.66	-64.91	
6113.81												
		-657.37	-572.91	3.42e-03	0.0	8.7	-616.16	-388.88	-37.26	-82.66	-318.91	
2792.81												
						17.4	-616.16	-403.43	-37.26	-82.66	-572.91	-
657.37												
32	54	-480.91	-103.97	0.02	-29.75	0.0	-60.72	68.63	-26.63	-76.20	-103.97	-
1400.56												
		-1400.56	-400.18	1.32e-03	0.0	8.7	-60.72	53.43	-26.63	-76.20	-252.08	-
876.13												
						17.4	-60.72	38.88	-26.63	-76.20	-400.18	-
480.91												
32	55	32.24	112.88	-0.02	-29.75	0.0	189.70	478.50	8.09	-36.39	112.88	-
8025.82												
		-8025.82	88.23	-4.36e-04	0.0	8.7	189.70	463.29	8.09	-36.39	100.55	-
3932.19												
						17.4	189.70	448.74	8.09	-36.39	88.23	32.24
32	56	191.92	245.54	-0.02	-29.75	0.0	712.04	888.77	17.80	-30.21	76.82	-
1.500e+04												
		-1.500e+04	76.82	-2.48e-03	0.0	8.7	712.04	873.57	17.80	-30.21	161.18	-
7340.77												
						17.4	712.04	859.02	17.80	-30.21	245.54	191.92
32	57	5845.04	-66.41	0.02	-29.75	0.0	-599.61	-357.66	-36.80	-82.52	-66.41	
5845.04												
		-648.98	-565.20	3.39e-03	0.0	8.7	-599.61	-372.87	-36.80	-82.52	-315.81	
2662.63												
						17.4	-599.61	-387.41	-36.80	-82.52	-565.20	-
648.98												
32	58	-489.30	-102.47	0.02	-29.75	0.0	-77.27	52.62	-27.09	-76.34	-102.47	-
1131.79												
		-1131.79	-407.89	1.35e-03	0.0	8.7	-77.27	37.41	-27.09	-76.34	-255.18	-
745.95												
						17.4	-77.27	22.86	-27.09	-76.34	-407.89	-
489.30												
32	59	5956.15	95.63	-4.35e-03	-29.75	0.0	-757.38	-351.69	-20.60	-60.56	95.63	
5956.15												
		-422.56	-351.15	3.38e-03	0.0	8.7	-757.38	-366.89	-20.60	-60.56	-127.76	
2831.39												
						17.4	-757.38	-381.44	-20.60	-60.56	-351.15	-
422.56												
32	60	165.67	224.60	-5.63e-03	-29.75	0.0	1094.11	1122.67	14.84	-39.01	-34.57	-
1.909e+04												
		-1.909e+04	-34.57	-3.62e-03	0.0	8.7	1094.11	1107.46	14.84	-39.01	95.02	-
9398.44												
						17.4	1094.11	1092.91	14.84	-39.01	224.60	165.67
32	61	9934.13	44.98	8.41e-03	-29.75	0.0	-981.68	-591.55	-33.85	-73.72	44.98	
9934.13												
		-622.73	-544.27	4.53e-03	0.0	8.7	-981.68	-606.76	-33.85	-73.72	-249.64	
4720.30												
						17.4	-981.68	-621.31	-33.85	-73.72	-544.27	-
622.73												
32	62	-34.50	31.48	7.13e-03	-29.75	0.0	869.81	882.80	1.60	-52.17	-85.22	-
1.511e+04												
		-1.511e+04	-85.22	-2.46e-03	0.0	8.7	869.81	867.60	1.60	-52.17	-26.87	-
7509.53												
						17.4	869.81	853.05	1.60	-52.17	31.48	-34.50
32	63	5864.51	97.20	-3.39e-03	-29.75	0.0	-751.13	-346.20	-20.49	-60.22	97.20	
5864.51												
		-420.46	-349.69	3.38e-03	0.0	8.7	-751.13	-361.40	-20.49	-60.22	-126.25	

2786.62													
						17.4	-751.13	-375.95	-20.49	-60.22	-349.69	-	
420.46													
32	64	167.77	226.06	-4.67e-03	-29.75	0.0	1100.36	1128.16	14.95	-38.67	-33.00	-	
1.918e+04													
		-1.918e+04	-33.00	-3.61e-03	0.0	8.7	1100.36	1112.95	14.95	-38.67	96.53	-	
9443.21													
						17.4	1100.36	1098.40	14.95	-38.67	226.06	167.77	
32	65	1.003e+04	43.41	7.46e-03	-29.75	0.0	-987.92	-597.04	-33.96	-74.06	43.41		
1.003e+04													
		-624.83	-545.72	4.53e-03	0.0	8.7	-987.92	-612.25	-33.96	-74.06	-251.16		
4765.07													
						17.4	-987.92	-626.80	-33.96	-74.06	-545.72	-	
624.83													
32	66	-36.60	30.03	6.18e-03	-29.75	0.0	863.56	877.31	1.49	-52.51	-86.79	-	
1.502e+04													
		-1.502e+04	-86.79	-2.47e-03	0.0	8.7	863.56	862.10	1.49	-52.51	-28.38	-	
7464.76													
						17.4	863.56	847.56	1.49	-52.51	30.03	-36.60	
32	67	5060.25	90.62	-4.07e-03	-29.75	0.0	-702.21	-298.30	-19.06	-60.09	90.62		
5060.25													
		-394.57	-325.45	3.29e-03	0.0	8.7	-702.21	-313.51	-19.06	-60.09	-117.42		
2397.44													
						17.4	-702.21	-328.06	-19.06	-60.09	-325.45	-	
394.57													
32	68	137.68	198.91	-5.90e-03	-29.75	0.0	1038.94	1069.28	13.30	-39.49	-29.55	-	
1.820e+04													
		-1.820e+04	-29.55	-3.52e-03	0.0	8.7	1038.94	1054.08	13.30	-39.49	84.68	-	
8964.48													
						17.4	1038.94	1039.53	13.30	-39.49	198.91	137.68	
32	69	9038.23	39.96	8.68e-03	-29.75	0.0	-926.51	-538.17	-32.30	-73.24	39.96		
9038.23													
		-594.74	-518.57	4.44e-03	0.0	8.7	-926.51	-553.38	-32.30	-73.24	-239.30		
4286.34													
						17.4	-926.51	-567.92	-32.30	-73.24	-518.57	-	
594.74													
32	70	-62.49	5.79	6.85e-03	-29.75	0.0	814.64	829.42	0.06	-52.64	-80.21	-	
1.422e+04													
		-1.422e+04	-80.21	-2.37e-03	0.0	8.7	814.64	814.21	0.06	-52.64	-37.21	-	
7075.58													
						17.4	814.64	799.66	0.06	-52.64	5.79	-62.49	
32	71	4968.61	92.18	-3.12e-03	-29.75	0.0	-695.97	-292.81	-18.95	-59.75	92.18		
4968.61													
		-392.47	-324.00	3.29e-03	0.0	8.7	-695.97	-308.02	-18.95	-59.75	-115.91		
2352.67													
						17.4	-695.97	-322.57	-18.95	-59.75	-324.00	-	
392.47													
32	72	139.78	200.37	-4.95e-03	-29.75	0.0	1045.19	1074.77	13.41	-39.15	-27.99	-	
1.829e+04													
		-1.829e+04	-27.99	-3.52e-03	0.0	8.7	1045.19	1059.57	13.41	-39.15	86.19	-	
9009.25													
						17.4	1045.19	1045.02	13.41	-39.15	200.37	139.78	
32	73	9129.87	38.40	7.73e-03	-29.75	0.0	-932.76	-543.66	-32.41	-73.59	38.40		
9129.87													
		-596.84	-520.03	4.44e-03	0.0	8.7	-932.76	-558.87	-32.41	-73.59	-240.82		
4331.11													
						17.4	-932.76	-573.41	-32.41	-73.59	-520.03	-	
596.84													
32	74	-64.59	4.34	5.90e-03	-29.75	0.0	808.40	823.93	-0.06	-52.99	-81.77	-	
1.413e+04													
		-1.413e+04	-81.77	-2.37e-03	0.0	8.7	808.40	808.72	-0.06	-52.99	-38.72	-	
7030.81													
						17.4	808.40	794.17	-0.06	-52.99	4.34	-64.59	
32	75	-25.70	91.35	-0.02	-29.75	0.0	135.74	413.22	4.35	-40.91	91.35	-	
6953.77													
		-6953.77	34.84	-2.62e-04	0.0	8.7	135.74	398.01	4.35	-40.91	63.10	-	
3425.14													
						17.4	135.74	383.46	4.35	-40.91	34.84	-25.70	
32	76	120.18	177.63	-0.02	-29.75	0.0	594.78	778.76	13.14	-35.57	58.91	-	
1.316e+04													
		-1.316e+04	58.91	-1.99e-03	0.0	8.7	594.78	763.55	13.14	-35.57	118.27	-	
6457.26													

						17.4	594.78	749.00	13.14	-35.57	177.63	120.18
32	77	4006.29	-48.50	0.02	-29.75	0.0	-482.35	-247.64	-32.14	-77.17	-48.50	
4006.29												
		-577.24	-497.29	2.91e-03	0.0	8.7	-482.35	-262.85	-32.14	-77.17	-272.89	
1779.12												
						17.4	-482.35	-277.40	-32.14	-77.17	-497.29	-
577.24												
32	78	-431.36	-80.94	0.02	-29.75	0.0	-23.31	117.90	-23.35	-71.82	-80.94	-
2203.84												
		-2203.84	-354.50	1.18e-03	0.0	8.7	-23.31	102.69	-23.35	-71.82	-217.72	-
1253.00												
						17.4	-23.31	88.14	-23.35	-71.82	-354.50	-
431.36												
32	79	-18.75	90.10	-0.02	-29.75	0.0	149.41	426.45	4.73	-40.80	90.10	-
7175.87												
		-7175.87	41.22	-2.85e-04	0.0	8.7	149.41	411.25	4.73	-40.80	65.66	-
3532.71												
						17.4	149.41	396.70	4.73	-40.80	41.22	-18.75
32	80	113.23	171.25	-0.02	-29.75	0.0	581.10	765.52	12.76	-35.68	60.16	-
1.294e+04												
		-1.294e+04	60.16	-1.97e-03	0.0	8.7	581.10	750.32	12.76	-35.68	115.70	-
6349.69												
						17.4	581.10	735.77	12.76	-35.68	171.25	113.23
32	81	3784.20	-49.75	0.02	-29.75	0.0	-468.67	-234.41	-31.76	-77.05	-49.75	
3784.20												
		-570.29	-490.91	2.89e-03	0.0	8.7	-468.67	-249.61	-31.76	-77.05	-270.33	
1671.55												
						17.4	-468.67	-264.16	-31.76	-77.05	-490.91	-
570.29												
32	82	-438.31	-79.69	0.02	-29.75	0.0	-36.98	104.66	-23.74	-71.94	-79.69	-
1981.75												
		-1981.75	-360.88	1.20e-03	0.0	8.7	-36.98	89.46	-23.74	-71.94	-220.29	-
1145.43												
						17.4	-36.98	74.91	-23.74	-71.94	-360.88	-
438.31												
32	83	-19.94	95.72	-0.01	-29.75	0.0	152.95	428.35	4.66	-39.97	95.72	-
7206.38												
		-7206.38	38.83	-2.58e-04	0.0	8.7	152.95	413.15	4.66	-39.97	67.27	-
3548.56												
						17.4	152.95	398.60	4.66	-39.97	38.83	-19.94
32	84	125.94	181.61	-0.01	-29.75	0.0	611.99	793.89	13.44	-34.63	63.27	-
1.342e+04												
		-1.342e+04	63.27	-1.99e-03	0.0	8.7	611.99	778.68	13.44	-34.63	122.44	-
6580.69												
						17.4	611.99	764.14	13.44	-34.63	181.61	125.94
32	85	4258.90	-52.86	0.02	-29.75	0.0	-499.56	-262.78	-32.45	-78.11	-52.86	
4258.90												
		-583.00	-501.28	2.91e-03	0.0	8.7	-499.56	-277.98	-32.45	-78.11	-277.07	
1902.55												
						17.4	-499.56	-292.53	-32.45	-78.11	-501.28	-
583.00												
32	86	-437.12	-85.31	0.02	-29.75	0.0	-40.52	102.76	-23.66	-72.76	-85.31	-
1951.23												
		-1951.23	-358.49	1.17e-03	0.0	8.7	-40.52	87.55	-23.66	-72.76	-221.90	-
1129.58												
						17.4	-40.52	73.01	-23.66	-72.76	-358.49	-
437.12												
32	87	-13.00	94.47	-0.01	-29.75	0.0	166.63	441.59	5.04	-39.85	94.47	-
7428.48												
		-7428.48	45.21	-2.81e-04	0.0	8.7	166.63	426.38	5.04	-39.85	69.84	-
3656.14												
						17.4	166.63	411.83	5.04	-39.85	45.21	-13.00
32	88	118.99	175.24	-0.01	-29.75	0.0	598.32	780.66	13.06	-34.74	64.52	-
1.319e+04												
		-1.319e+04	64.52	-1.97e-03	0.0	8.7	598.32	765.45	13.06	-34.74	119.88	-
6473.12												
						17.4	598.32	750.90	13.06	-34.74	175.24	118.99
32	89	4036.81	-54.11	0.02	-29.75	0.0	-485.89	-249.54	-32.07	-77.99	-54.11	
4036.81												
		-576.05	-494.90	2.88e-03	0.0	8.7	-485.89	-264.75	-32.07	-77.99	-274.51	
1794.98												
						17.4	-485.89	-279.30	-32.07	-77.99	-494.90	-

576.05												
32	90	-444.06	-84.06	0.02	-29.75	0.0	-54.20	89.53	-24.04	-72.88	-84.06	-
1729.14												
		-1729.14	-364.87	1.20e-03	0.0	8.7	-54.20	74.32	-24.04	-72.88	-224.46	-
1022.00												
						17.4	-54.20	59.77	-24.04	-72.88	-364.87	-
444.06												
32	91	4127.41	80.26	-3.37e-03	-29.75	0.0	-616.14	-244.54	-18.68	-59.84	80.26	
4127.41												
		-388.93	-317.99	2.87e-03	0.0	8.7	-616.14	-259.75	-18.68	-59.84	-118.86	
1933.84												
						17.4	-616.14	-274.30	-18.68	-59.84	-317.99	-
388.93												
32	92	97.34	157.96	-4.43e-03	-29.75	0.0	914.00	973.92	10.62	-42.02	-27.89	-
1.657e+04												
		-1.657e+04	-27.89	-2.91e-03	0.0	8.7	914.00	958.71	10.62	-42.02	65.04	-
8173.25												
						17.4	914.00	944.16	10.62	-42.02	157.96	97.34
32	93	7415.43	38.30	7.21e-03	-29.75	0.0	-801.56	-442.80	-29.62	-70.72	38.30	
7415.43												
		-554.40	-477.63	3.82e-03	0.0	8.7	-801.56	-458.01	-29.62	-70.72	-219.66	
3495.11												
						17.4	-801.56	-472.56	-29.62	-70.72	-477.63	-
554.40												
32	94	-68.12	-1.67	6.16e-03	-29.75	0.0	728.57	775.66	-0.33	-52.89	-69.85	-
1.329e+04												
		-1.329e+04	-69.85	-1.95e-03	0.0	8.7	728.57	760.45	-0.33	-52.89	-35.76	-
6611.97												
						17.4	728.57	745.90	-0.33	-52.89	-1.67	-68.12
32	95	4051.62	81.57	-2.58e-03	-29.75	0.0	-610.97	-240.00	-18.59	-59.56	81.57	
4051.62												
		-387.21	-316.79	2.87e-03	0.0	8.7	-610.97	-255.21	-18.59	-59.56	-117.61	
1896.81												
						17.4	-610.97	-269.76	-18.59	-59.56	-316.79	-
387.21												
32	96	99.06	159.16	-3.64e-03	-29.75	0.0	919.16	978.46	10.71	-41.74	-26.58	-
1.665e+04												
		-1.665e+04	-26.58	-2.90e-03	0.0	8.7	919.16	963.25	10.71	-41.74	66.29	-
8210.28												
						17.4	919.16	948.70	10.71	-41.74	159.16	99.06
32	97	7491.21	36.99	6.42e-03	-29.75	0.0	-806.73	-447.34	-29.72	-71.00	36.99	
7491.21												
		-556.12	-478.82	3.82e-03	0.0	8.7	-806.73	-462.55	-29.72	-71.00	-220.91	
3532.14												
						17.4	-806.73	-477.10	-29.72	-71.00	-478.82	-
556.12												
32	98	-69.85	-2.87	5.36e-03	-29.75	0.0	723.41	771.12	-0.42	-53.18	-71.16	-
1.321e+04												
		-1.321e+04	-71.16	-1.96e-03	0.0	8.7	723.41	755.91	-0.42	-53.18	-37.01	-
6574.95												
						17.4	723.41	741.36	-0.42	-53.18	-2.87	-69.85
32	99	3387.09	76.09	-3.14e-03	-29.75	0.0	-570.55	-200.43	-17.40	-59.45	76.09	
3387.09												
		-365.78	-296.73	2.79e-03	0.0	8.7	-570.55	-215.64	-17.40	-59.45	-110.32	
1575.25												
						17.4	-570.55	-230.18	-17.40	-59.45	-296.73	-
365.78												
32	100	74.18	136.70	-4.66e-03	-29.75	0.0	868.40	929.80	9.35	-42.41	-23.72	-
1.583e+04												
		-1.583e+04	-23.72	-2.83e-03	0.0	8.7	868.40	914.60	9.35	-42.41	56.49	-
7814.67												
						17.4	868.40	900.05	9.35	-42.41	136.70	74.18
32	101	6675.11	34.13	7.44e-03	-29.75	0.0	-755.97	-398.69	-28.35	-70.32	34.13	
6675.11												
		-531.24	-456.37	3.74e-03	0.0	8.7	-755.97	-413.89	-28.35	-70.32	-211.12	
3136.53												
						17.4	-755.97	-428.44	-28.35	-70.32	-456.37	-
531.24												
32	102	-91.28	-22.93	5.93e-03	-29.75	0.0	682.98	731.54	-1.60	-53.29	-65.68	-
1.254e+04												
		-1.254e+04	-65.68	-1.88e-03	0.0	8.7	682.98	716.34	-1.60	-53.29	-44.31	-
6253.39												

						17.4	682.98	701.79	-1.60	-53.29	-22.93	-91.28
32	103	3311.30	77.40	-2.35e-03	-29.75	0.0	-565.38	-195.89	-17.31	-59.17	77.40	
3311.30												
		-364.05	-295.53	2.79e-03	0.0	8.7	-565.38	-211.10	-17.31	-59.17	-109.07	
1538.23												
						17.4	-565.38	-225.64	-17.31	-59.17	-295.53	-
364.05												
32	104	75.91	137.90	-3.87e-03	-29.75	0.0	873.57	934.34	9.44	-42.13	-22.41	-
1.591e+04												
		-1.591e+04	-22.41	-2.83e-03	0.0	8.7	873.57	919.14	9.44	-42.13	57.74	-
7851.70												
						17.4	873.57	904.59	9.44	-42.13	137.90	75.91
32	105	6750.89	32.82	6.65e-03	-29.75	0.0	-761.14	-403.23	-28.44	-70.61	32.82	
6750.89												
		-532.97	-457.56	3.74e-03	0.0	8.7	-761.14	-418.43	-28.44	-70.61	-212.37	
3173.56												
						17.4	-761.14	-432.98	-28.44	-70.61	-457.56	-
532.97												
32	106	-93.01	-24.13	5.14e-03	-29.75	0.0	677.81	727.00	-1.69	-53.57	-66.99	-
1.247e+04												
		-1.247e+04	-66.99	-1.88e-03	0.0	8.7	677.81	711.80	-1.69	-53.57	-45.56	-
6216.37												
						17.4	677.81	697.25	-1.69	-53.57	-24.13	-93.01
33	1	335.07	53.64	-5.37e-03	-29.15	0.0	3.44	13.54	0.79	-5.81	-26.61	15.51
		-90.18	-26.61	6.35e-03	0.0	51.0	3.44	-1.04	0.79	-5.81	13.52	334.27
						102.0	3.44	-15.61	0.79	-5.81	53.64	-90.18
33	2	248.94	254.02	-0.03	-29.15	0.0	20.74	9.86	3.81	-22.75	-134.94	79.68
		-400.60	-134.94	0.01	0.0	51.0	20.74	-4.71	3.81	-22.75	59.54	211.15
						102.0	20.74	-19.28	3.81	-22.75	254.02	-
400.60												
33	3	259.63	37.48	-3.65e-03	-22.42	0.0	2.32	10.48	0.55	-4.15	-18.43	10.72
		-63.51	-18.43	4.77e-03	0.0	51.0	2.32	-0.73	0.55	-4.15	9.53	259.45
						102.0	2.32	-11.94	0.55	-4.15	37.48	-63.51
33	4	180.29	237.86	-0.03	-22.42	0.0	19.62	6.81	3.57	-21.09	-126.75	74.89
		-373.93	-126.75	0.01	0.0	51.0	19.62	-4.40	3.57	-21.09	55.55	136.33
						102.0	19.62	-15.61	3.57	-21.09	237.86	-
373.93												
33	5	258.56	39.62	-3.92e-03	-22.42	0.0	2.50	10.44	0.58	-4.33	-19.58	11.41
		-66.82	-19.58	4.83e-03	0.0	51.0	2.50	-0.77	0.58	-4.33	10.02	258.14
						102.0	2.50	-11.98	0.58	-4.33	39.62	-66.82
33	6	199.19	173.20	-0.02	-22.42	0.0	14.04	7.99	2.60	-15.63	-91.80	54.18
		-273.77	-91.80	8.83e-03	0.0	51.0	14.04	-3.22	2.60	-15.63	40.70	176.06
						102.0	14.04	-14.43	2.60	-15.63	173.20	-
273.77												
33	7	258.56	39.62	-3.92e-03	-22.42	0.0	2.50	10.44	0.58	-4.33	-19.58	11.41
		-66.82	-19.58	4.83e-03	0.0	51.0	2.50	-0.77	0.58	-4.33	10.02	258.14
						102.0	2.50	-11.98	0.58	-4.33	39.62	-66.82
33	8	214.45	133.13	-0.02	-22.42	0.0	10.58	8.73	1.99	-12.24	-70.13	41.35
		-211.68	-70.13	7.63e-03	0.0	51.0	10.58	-2.48	1.99	-12.24	31.50	200.68
						102.0	10.58	-13.69	1.99	-12.24	133.13	-
211.68												
33	9	258.56	39.62	-3.92e-03	-22.42	0.0	2.50	10.44	0.58	-4.33	-19.58	11.41
		-66.82	-19.58	4.83e-03	0.0	51.0	2.50	-0.77	0.58	-4.33	10.02	258.14
						102.0	2.50	-11.98	0.58	-4.33	39.62	-66.82
33	10	219.53	119.77	-0.01	-22.42	0.0	9.42	8.97	1.79	-11.11	-62.91	37.07
		-190.99	-62.91	7.23e-03	0.0	51.0	9.42	-2.24	1.79	-11.11	28.43	208.89
						102.0	9.42	-13.45	1.79	-11.11	119.77	-
190.99												
33	11	329.32	492.65	0.05	-22.42	0.0	93.11	0.74	7.10	-65.26	-224.09	329.32
		-876.56	-224.09	0.09	0.0	51.0	93.11	-10.47	7.10	-65.26	134.28	12.23
						102.0	93.11	-21.68	7.10	-65.26	492.65	-
876.56												
33	12	161.56	596.17	0.13	-22.42	0.0	46.88	-2.04	8.69	-29.66	-300.06	161.56
		-1064.80	-300.06	8.71e-03	0.0	51.0	46.88	-13.25	8.69	-29.66	148.06	-
165.77												
						102.0	46.88	-24.46	8.69	-29.66	596.17	-
1064.80												
33	13	712.59	174.23	-0.15	-22.42	0.0	-28.03	19.98	-5.10	7.45	174.23	-87.41
		-87.41	-356.64	5.76e-03	0.0	51.0	-28.03	8.77	-5.10	7.45	-91.20	583.55
						102.0	-28.03	-2.44	-5.10	7.45	-356.64	682.82
33	14	528.19	98.27	-0.08	-22.42	0.0	-74.27	17.21	-3.51	43.05	98.27	-
255.17												

		-255.17	-253.11	-0.07	0.0	51.0	-74.27	6.00	-3.51	43.05	-77.42	405.56
						102.0	-74.27	-5.21	-3.51	43.05	-253.11	494.58
33	15	341.60	482.14	0.05	-22.42	0.0	90.50	1.22	6.85	-67.56	-310.27	341.60
		-856.16	-310.27	0.08	0.0	51.0	90.50	-9.99	6.85	-67.56	85.93	28.57
						102.0	90.50	-21.20	6.85	-67.56	482.14	-
856.16												
33	16	149.27	606.68	0.12	-22.42	0.0	49.49	-2.52	8.93	-27.37	-213.88	149.27
		-1085.21	-213.88	0.02	0.0	51.0	49.49	-13.73	8.93	-27.37	196.40	-
182.12												
						102.0	49.49	-24.94	8.93	-27.37	606.68	-
1085.21												
33	17	731.48	88.05	-0.15	-22.42	0.0	-30.64	20.47	-5.35	5.16	88.05	-75.13
		-75.13	-367.14	-7.30e-04	0.0	51.0	-30.64	9.26	-5.35	5.16	-139.54	599.90
						102.0	-30.64	-1.95	-5.35	5.16	-367.14	703.23
33	18	509.31	184.45	-0.08	-22.42	0.0	-71.66	16.73	-3.27	45.35	184.45	-
267.46												
		-267.46	-242.60	-0.06	0.0	51.0	-71.66	5.52	-3.27	45.35	-29.08	389.21
						102.0	-71.66	-5.69	-3.27	45.35	-242.60	474.18
33	19	337.68	515.13	0.06	-22.42	0.0	88.70	0.22	7.41	-66.04	-233.19	337.68
		-919.42	-233.19	0.09	0.0	51.0	88.70	-10.99	7.41	-66.04	140.97	-5.02
						102.0	88.70	-22.20	7.41	-66.04	515.13	-
919.42												
33	20	169.92	618.66	0.13	-22.42	0.0	42.47	-2.55	9.00	-30.44	-309.15	169.92
		-1107.66	-309.15	9.20e-03	0.0	51.0	42.47	-13.76	9.00	-30.44	154.75	-
183.02												
						102.0	42.47	-24.97	9.00	-30.44	618.66	-
1107.66												
33	21	748.05	183.33	-0.16	-22.42	0.0	-23.62	20.50	-5.42	8.23	183.33	-95.78
		-95.78	-379.12	5.26e-03	0.0	51.0	-23.62	9.29	-5.42	8.23	-97.90	600.80
						102.0	-23.62	-1.92	-5.42	8.23	-379.12	725.68
33	22	562.38	107.36	-0.08	-22.42	0.0	-69.86	17.72	-3.83	43.83	107.36	-
263.54												
		-263.54	-275.59	-0.07	0.0	51.0	-69.86	6.51	-3.83	43.83	-84.12	422.80
						102.0	-69.86	-4.70	-3.83	43.83	-275.59	537.44
33	23	349.97	504.62	0.06	-22.42	0.0	86.09	0.71	7.17	-68.34	-319.37	349.97
		-899.01	-319.37	0.08	0.0	51.0	86.09	-10.50	7.17	-68.34	92.63	11.33
						102.0	86.09	-21.71	7.17	-68.34	504.62	-
899.01												
33	24	157.64	629.16	0.13	-22.42	0.0	45.08	-3.03	9.24	-28.15	-222.97	157.64
		-1128.06	-222.97	0.02	0.0	51.0	45.08	-14.24	9.24	-28.15	203.09	-
199.36												
						102.0	45.08	-25.45	9.24	-28.15	629.16	-
1128.06												
33	25	767.45	97.15	-0.15	-22.42	0.0	-26.23	20.98	-5.66	5.94	97.15	-83.49
		-83.49	-389.63	-1.22e-03	0.0	51.0	-26.23	9.77	-5.66	5.94	-146.24	617.15
						102.0	-26.23	-1.44	-5.66	5.94	-389.63	746.09
33	26	542.99	193.54	-0.09	-22.42	0.0	-67.25	17.24	-3.59	46.13	193.54	-
275.82												
		-275.82	-265.09	-0.07	0.0	51.0	-67.25	6.03	-3.59	46.13	-35.77	406.45
						102.0	-67.25	-5.18	-3.59	46.13	-265.09	517.03
33	27	471.60	74.61	-0.11	-22.42	0.0	104.66	10.71	0.97	-81.34	3.95	379.18
		-111.17	3.95	0.15	0.0	51.0	104.66	-0.50	0.97	-81.34	39.28	419.86
						102.0	104.66	-11.71	0.97	-81.34	74.61	-
111.17												
33	28	-105.28	419.71	0.14	-22.42	0.0	-49.47	1.46	6.27	37.31	-249.27	-
180.02												
		-738.62	-249.27	-0.11	0.0	51.0	-49.47	-9.74	6.27	37.31	85.22	-
173.47												
						102.0	-49.47	-20.95	6.27	37.31	419.71	-
738.62												
33	29	593.19	123.45	-0.17	-22.42	0.0	68.32	16.48	-2.69	-59.53	123.45	254.16
		254.16	-180.17	0.12	0.0	51.0	68.32	5.27	-2.69	-59.53	-28.36	591.25
						102.0	68.32	-5.94	-2.69	-59.53	-180.17	356.65
33	30	-2.07	164.92	0.08	-22.42	0.0	-85.81	7.24	2.61	59.13	-129.78	-
305.04												
		-305.04	-129.78	-0.13	0.0	51.0	-85.81	-3.97	2.61	59.13	17.57	-2.07
						102.0	-85.81	-15.18	2.61	59.13	164.92	-
270.81												
33	31	469.65	81.36	-0.11	-22.42	0.0	103.34	10.56	1.06	-81.57	1.22	381.69
		-124.03	1.22	0.15	0.0	51.0	103.34	-0.65	1.06	-81.57	41.29	414.68
						102.0	103.34	-11.86	1.06	-81.57	81.36	-
124.03												

33	32	-106.61	426.45	0.14	-22.42	0.0	-50.79	1.31	6.37	37.08	-252.00	-177.51
		-751.48	-252.00	-0.11	0.0	51.0	-50.79	-9.90	6.37	37.08	87.22	-178.64
						102.0	-50.79	-21.11	6.37	37.08	426.45	-751.48
33	33	599.33	126.18	-0.17	-22.42	0.0	69.64	16.64	-2.78	-59.29	126.18	251.65
		251.65	-186.91	0.12	0.0	51.0	69.64	5.43	-2.78	-59.29	-30.37	596.43
						102.0	69.64	-5.78	-2.78	-59.29	-186.91	369.50
33	34	3.10	158.18	0.08	-22.42	0.0	-84.49	7.39	2.52	59.36	-127.05	-307.55
		-307.55	-127.05	-0.13	0.0	51.0	-84.49	-3.82	2.52	59.36	15.56	3.10
						102.0	-84.49	-15.03	2.52	59.36	158.18	-257.95
33	35	521.01	39.60	-0.10	-22.42	0.0	95.96	12.32	0.16	-89.00	-283.32	420.14
		-43.14	-283.32	0.13	0.0	51.0	95.96	1.11	0.16	-89.00	-121.86	474.35
						102.0	95.96	-10.10	0.16	-89.00	39.60	-43.14
33	36	-153.00	454.72	0.13	-22.42	0.0	-40.77	-0.15	7.08	44.97	38.00	-220.97
		-806.65	38.00	-0.09	0.0	51.0	-40.77	-11.36	7.08	44.97	246.36	-227.96
						102.0	-40.77	-22.57	7.08	44.97	454.72	-806.65
33	37	649.38	-163.82	-0.16	-22.42	0.0	59.62	18.10	-3.50	-67.18	-163.82	295.12
		295.12	-215.19	0.10	0.0	51.0	59.62	6.89	-3.50	-67.18	-189.51	645.74
						102.0	59.62	-4.32	-3.50	-67.18	-215.19	424.67
33	38	-56.56	199.94	0.07	-22.42	0.0	-77.11	5.63	3.42	66.79	157.49	-345.99
		-345.99	157.49	-0.11	0.0	51.0	-77.11	-5.58	3.42	66.79	178.72	-56.56
						102.0	-77.11	-16.79	3.42	66.79	199.94	-338.84
33	39	518.72	46.34	-0.10	-22.42	0.0	94.64	12.17	0.26	-89.23	-286.05	422.65
		-56.00	-286.05	0.13	0.0	51.0	94.64	0.96	0.26	-89.23	-119.85	469.17
						102.0	94.64	-10.25	0.26	-89.23	46.34	-56.00
33	40	-154.34	461.47	0.13	-22.42	0.0	-42.09	-0.30	7.17	44.74	35.27	-218.46
		-819.51	35.27	-0.09	0.0	51.0	-42.09	-11.51	7.17	44.74	248.37	-233.14
						102.0	-42.09	-22.72	7.17	44.74	461.47	-819.51
33	41	655.51	-161.09	-0.16	-22.42	0.0	60.94	18.25	-3.59	-66.95	-161.09	292.61
		292.61	-221.93	0.10	0.0	51.0	60.94	7.04	-3.59	-66.95	-191.51	650.92
						102.0	60.94	-4.17	-3.59	-66.95	-221.93	437.53
33	42	-51.39	193.19	0.07	-22.42	0.0	-75.79	5.78	3.33	67.02	160.22	-348.50
		-348.50	160.22	-0.11	0.0	51.0	-75.79	-5.43	3.33	67.02	176.71	-51.39
						102.0	-75.79	-16.64	3.33	67.02	193.19	-325.98
33	43	272.64	413.75	0.04	-22.42	0.0	75.08	2.48	5.97	-53.99	-189.93	268.13
		-731.71	-189.93	0.07	0.0	51.0	75.08	-8.73	5.97	-53.99	111.91	54.06
						102.0	75.08	-19.94	5.97	-53.99	413.75	-731.71
33	44	138.87	494.72	0.10	-22.42	0.0	38.54	0.30	7.22	-25.82	-249.79	135.28
		-879.15	-249.79	8.33e-03	0.0	51.0	38.54	-10.91	7.22	-25.82	122.47	-86.09
						102.0	38.54	-22.12	7.22	-25.82	494.72	-879.15
33	45	571.98	123.96	-0.12	-22.42	0.0	-19.69	17.65	-3.64	3.61	123.96	-61.13
		-61.13	-255.18	6.14e-03	0.0	51.0	-19.69	6.44	-3.64	3.61	-65.61	503.87
						102.0	-19.69	-4.77	-3.64	3.61	-255.18	497.17
33	46	428.19	64.11	-0.06	-22.42	0.0	-56.23	15.47	-2.39	31.78	64.11	-193.99
		-193.99	-174.21	-0.05	0.0	51.0	-56.23	4.26	-2.39	31.78	-55.05	363.72
						102.0	-56.23	-6.95	-2.39	31.78	-174.21	349.73
33	47	282.78	405.37	0.04	-22.42	0.0	73.00	2.86	5.78	-55.82	-257.91	277.87
		-715.45	-257.91	0.06	0.0	51.0	73.00	-8.35	5.78	-55.82	73.73	67.06
						102.0	73.00	-19.56	5.78	-55.82	405.37	-715.45
33	48	128.73	503.10	0.09	-22.42	0.0	40.62	-0.09	7.41	-24.00	-181.81	125.54
		-895.41	-181.81	0.01	0.0	51.0	40.62	-11.30	7.41	-24.00	160.65	-99.09
						102.0	40.62	-22.51	7.41	-24.00	503.10	-895.41
33	49	586.61	55.98	-0.12	-22.42	0.0	-21.77	18.04	-3.83	1.78	55.98	-51.40

		-51.40	-263.56	1.28e-03	0.0	51.0	-21.77	6.83	-3.83	1.78	-103.79516.87
						102.0	-21.77	-4.38	-3.83	1.78	-263.56513.43
33	50	413.56	132.09	-0.07	-22.42	0.0	-54.16	15.09	-2.20	33.61	132.09 -
203.72											
		-203.72	-165.83	-0.05	0.0	51.0	-54.16	3.88	-2.20	33.61	-16.87350.72
						102.0	-54.16	-7.33	-2.20	33.61	-165.83333.47
33	51	276.76	431.59	0.04	-22.42	0.0	71.37	2.07	6.22	-54.61	-197.19274.79
		-765.65	-197.19	0.07	0.0	51.0	71.37	-9.14	6.22	-54.61	117.20 40.42
						102.0	71.37	-20.35	6.22	-54.61	431.59 -
765.65											
33	52	143.00	512.55	0.10	-22.42	0.0	34.83	-0.11	7.47	-26.44	-257.05141.94
		-913.09	-257.05	8.68e-03	0.0	51.0	34.83	-11.32	7.47	-26.44	127.75 -99.73
						102.0	34.83	-22.53	7.47	-26.44	512.55 -
913.09											
33	53	595.77	131.22	-0.13	-22.42	0.0	-15.98	18.06	-3.89	4.23	131.22 -67.79
		-67.79	-273.02	5.78e-03	0.0	51.0	-15.98	6.85	-3.89	4.23	-70.90517.51
						102.0	-15.98	-4.36	-3.89	4.23	-273.02531.11
33	54	451.98	71.37	-0.07	-22.42	0.0	-52.52	15.88	-2.64	32.40	71.37 -
200.65											
		-200.65	-192.05	-0.06	0.0	51.0	-52.52	4.67	-2.64	32.40	-60.34377.36
						102.0	-52.52	-6.54	-2.64	32.40	-192.05383.67
33	55	286.91	423.20	0.04	-22.42	0.0	69.29	2.45	6.03	-56.44	-265.17284.53
		-749.39	-265.17	0.06	0.0	51.0	69.29	-8.76	6.03	-56.44	79.01 53.42
						102.0	69.29	-19.97	6.03	-56.44	423.20 -
749.39											
33	56	132.85	520.94	0.10	-22.42	0.0	36.91	-0.50	7.66	-24.62	-189.07132.20
		-929.35	-189.07	0.01	0.0	51.0	36.91	-11.71	7.66	-24.62	165.93 -
112.73											
						102.0	36.91	-22.92	7.66	-24.62	520.94 -
929.35											
33	57	610.41	63.24	-0.13	-22.42	0.0	-18.06	18.44	-4.08	2.40	63.24 -58.06
		-58.06	-281.40	1.05e-03	0.0	51.0	-18.06	7.23	-4.08	2.40	-109.08530.51
						102.0	-18.06	-3.97	-4.08	2.40	-281.40547.38
33	58	437.35	139.35	-0.07	-22.42	0.0	-50.45	15.49	-2.45	34.23	139.35 -
210.38											
		-210.38	-183.67	-0.05	0.0	51.0	-50.45	4.28	-2.45	34.23	-22.16364.36
						102.0	-50.45	-6.93	-2.45	34.23	-183.67367.41
33	59	416.83	85.16	-0.09	-22.42	0.0	84.54	10.33	1.16	-66.70	-10.24307.88
		-129.58	-10.24	0.12	0.0	51.0	84.54	-0.88	1.16	-66.70	37.46375.00
						102.0	84.54	-12.09	1.16	-66.70	85.16 -
129.58											
33	60	-41.21	355.06	0.11	-22.42	0.0	-37.26	3.06	5.31	27.20	-209.75 -
134.96											
		-621.06	-209.75	-0.09	0.0	51.0	-37.26	-8.15	5.31	27.20	72.65 -92.16
						102.0	-37.26	-19.36	5.31	27.20	355.06 -
621.06											
33	61	509.94	83.93	-0.14	-22.42	0.0	56.11	14.89	-1.73	-49.41	83.93209.10
		209.10	-115.52	0.10	0.0	51.0	56.11	3.68	-1.73	-49.41	-15.80509.94
						102.0	56.11	-7.53	-1.73	-49.41	-115.52239.08
33	62	42.78	154.38	0.06	-22.42	0.0	-65.69	7.62	2.42	44.48	-115.59 -
233.74											
		-252.40	-115.59	-0.10	0.0	51.0	-65.69	-3.59	2.42	44.48	19.40 42.78
						102.0	-65.69	-14.80	2.42	44.48	154.38 -
252.40											
33	63	415.02	90.51	-0.09	-22.42	0.0	83.43	10.21	1.23	-66.88	-12.42309.88
		-139.76	-12.42	0.12	0.0	51.0	83.43	-1.00	1.23	-66.88	39.05370.91
						102.0	83.43	-12.21	1.23	-66.88	90.51 -
139.76											
33	64	-43.02	360.41	0.11	-22.42	0.0	-38.37	2.94	5.38	27.02	-211.93 -
132.96											
		-631.24	-211.93	-0.08	0.0	51.0	-38.37	-8.27	5.38	27.02	74.24 -96.25
						102.0	-38.37	-19.48	5.38	27.02	360.41 -
631.24											
33	65	514.04	86.11	-0.14	-22.42	0.0	57.22	15.01	-1.80	-49.23	86.11207.11
		207.11	-120.87	0.10	0.0	51.0	57.22	3.80	-1.80	-49.23	-17.38514.04
						102.0	57.22	-7.41	-1.80	-49.23	-120.87249.27
33	66	46.87	149.03	0.06	-22.42	0.0	-64.58	7.74	2.35	44.67	-113.41 -
235.74											
		-242.22	-113.41	-0.10	0.0	51.0	-64.58	-3.47	2.35	44.67	17.81 46.87
						102.0	-64.58	-14.68	2.35	44.67	149.03 -
242.22											
33	67	456.08	57.22	-0.08	-22.42	0.0	77.62	11.62	0.51	-72.79	-236.84340.34

		-75.38	-236.84	0.10	0.0	51.0	77.62	0.41	0.51	-72.79	-89.81	418.33
						102.0	77.62	-10.80	0.51	-72.79	57.22	-75.38
33	68	-79.99	383.00	0.10	-22.42	0.0	-30.34	1.78	5.95	33.29	16.84	-
167.42												
		-675.26	16.84	-0.07	0.0	51.0	-30.34	-9.43	5.95	33.29	199.92	-
135.49												
						102.0	-30.34	-20.64	5.95	33.29	383.00	-
675.26												
33	69	553.27	-142.67	-0.13	-22.42	0.0	49.18	16.17	-2.37	-55.50	-142.67	241.56
		241.56	-143.46	0.08	0.0	51.0	49.18	4.96	-2.37	-55.50	-143.06	553.27
						102.0	49.18	-6.25	-2.37	-55.50	-143.46	293.29
33	70	-0.55	182.32	0.05	-22.42	0.0	-58.77	6.33	3.07	50.57	111.01	-
266.20												
		-306.60	111.01	-0.09	0.0	51.0	-58.77	-4.88	3.07	50.57	146.66	-0.55
						102.0	-58.77	-16.09	3.07	50.57	182.32	-
306.60												
33	71	454.27	62.57	-0.08	-22.42	0.0	76.50	11.49	0.59	-72.97	-239.02	342.34
		-85.56	-239.02	0.10	0.0	51.0	76.50	0.28	0.59	-72.97	-88.22	414.24
						102.0	76.50	-10.93	0.59	-72.97	62.57	-85.56
33	72	-81.04	388.35	0.10	-22.42	0.0	-31.45	1.66	6.03	33.11	14.67	-
165.42												
		-685.45	14.67	-0.07	0.0	51.0	-31.45	-9.55	6.03	33.11	201.51	-
139.58												
						102.0	-31.45	-20.76	6.03	33.11	388.35	-
685.45												
33	73	557.37	-140.49	-0.13	-22.42	0.0	50.30	16.29	-2.45	-55.32	-140.49	239.57
		239.57	-148.81	0.08	0.0	51.0	50.30	5.08	-2.45	-55.32	-144.65	557.37
						102.0	50.30	-6.13	-2.45	-55.32	-148.81	303.47
33	74	3.54	176.97	0.05	-22.42	0.0	-57.66	6.45	3.00	50.76	113.19	-
268.20												
		-296.42	113.19	-0.09	0.0	51.0	-57.66	-4.76	3.00	50.76	145.08	3.54
						102.0	-57.66	-15.97	3.00	50.76	176.97	-
296.42												
33	75	244.83	362.91	0.03	-22.42	0.0	63.87	3.60	5.25	-46.55	-167.94	228.06
		-638.22	-167.94	0.06	0.0	51.0	63.87	-7.61	5.25	-46.55	97.49	80.77
						102.0	63.87	-18.82	5.25	-46.55	362.91	-
638.22												
33	76	133.51	429.90	0.08	-22.42	0.0	33.66	1.80	6.28	-23.27	-217.42	118.26
		-760.21	-217.42	8.16e-03	0.0	51.0	33.66	-9.41	6.28	-23.27	106.24	-35.12
						102.0	33.66	-20.62	6.28	-23.27	429.90	-
760.21												
33	77	491.90	91.60	-0.11	-22.42	0.0	-14.81	16.15	-2.70	1.06	91.60	-44.11
		-44.11	-190.37	6.30e-03	0.0	51.0	-14.81	4.94	-2.70	1.06	-49.39	452.91
						102.0	-14.81	-6.27	-2.70	1.06	-190.37	378.23
33	78	373.72	42.11	-0.06	-22.42	0.0	-45.02	14.35	-1.67	24.34	42.11	-
153.91												
		-153.91	-123.38	-0.04	0.0	51.0	-45.02	3.14	-1.67	24.34	-40.63	337.02
						102.0	-45.02	-8.07	-1.67	24.34	-123.38	256.24
33	79	253.55	355.99	0.03	-22.42	0.0	62.16	3.92	5.09	-48.06	-224.14	236.10
		-624.79	-224.14	0.05	0.0	51.0	62.16	-7.29	5.09	-48.06	65.93	91.51
						102.0	62.16	-18.50	5.09	-48.06	355.99	-
624.79												
33	80	124.79	436.83	0.07	-22.42	0.0	35.38	1.48	6.44	-21.76	-161.22	110.21
		-773.64	-161.22	0.01	0.0	51.0	35.38	-9.73	6.44	-21.76	137.80	-45.86
						102.0	35.38	-20.94	6.44	-21.76	436.83	-
773.64												
33	81	503.65	35.40	-0.10	-22.42	0.0	-16.53	16.47	-2.86	-0.45	35.40	-36.07
		-36.07	-197.29	2.08e-03	0.0	51.0	-16.53	5.26	-2.86	-0.45	-80.95	463.65
						102.0	-16.53	-5.95	-2.86	-0.45	-197.29	391.66
33	82	361.97	98.31	-0.06	-22.42	0.0	-43.31	14.03	-1.51	25.85	98.31	-
161.96												
		-161.96	-116.45	-0.04	0.0	51.0	-43.31	2.82	-1.51	25.85	-9.07	326.28
						102.0	-43.31	-8.39	-1.51	25.85	-116.45	242.81
33	83	246.14	377.64	0.03	-22.42	0.0	60.79	3.26	5.46	-47.06	-173.94	233.56
		-666.23	-173.94	0.06	0.0	51.0	60.79	-7.95	5.46	-47.06	101.85	69.51
						102.0	60.79	-19.16	5.46	-47.06	377.64	-
666.23												
33	84	134.82	444.63	0.08	-22.42	0.0	30.59	1.46	6.49	-23.78	-223.42	123.76
		-788.22	-223.42	8.45e-03	0.0	51.0	30.59	-9.75	6.49	-23.78	110.60	-46.38
						102.0	30.59	-20.96	6.49	-23.78	444.63	-
788.22												
33	85	509.44	97.60	-0.11	-22.42	0.0	-11.74	16.49	-2.90	1.57	97.60	-49.62

		-49.62	-205.09	6.01e-03	0.0	51.0	-11.74	5.28	-2.90	1.57	-53.75464.16
						102.0	-11.74	-5.93	-2.90	1.57	-205.09406.24
33	86	391.26	48.11	-0.06	-22.42	0.0	-41.95	14.68	-1.87	24.85	48.11 -
159.41											
		-159.41	-138.10	-0.04	0.0	51.0	-41.95	3.47	-1.87	24.85	-44.99348.27
						102.0	-41.95	-7.74	-1.87	24.85	-138.10284.25
33	87	254.86	370.71	0.03	-22.42	0.0	59.08	3.58	5.30	-48.57	-230.13241.61
		-652.80	-230.13	0.05	0.0	51.0	59.08	-7.63	5.30	-48.57	70.29 80.25
						102.0	59.08	-18.84	5.30	-48.57	370.71 -
652.80											
33	88	126.10	451.55	0.08	-22.42	0.0	32.30	1.14	6.65	-22.27	-167.22115.71
		-801.65	-167.22	0.01	0.0	51.0	32.30	-10.07	6.65	-22.27	142.16 -57.12
						102.0	32.30	-21.28	6.65	-22.27	451.55 -
801.65											
33	89	521.19	41.40	-0.11	-22.42	0.0	-13.45	16.81	-3.06	0.06	41.40 -41.57
		-41.57	-212.02	1.82e-03	0.0	51.0	-13.45	5.60	-3.06	0.06	-85.31474.90
						102.0	-13.45	-5.61	-3.06	0.06	-212.02419.67
33	90	379.51	104.31	-0.06	-22.42	0.0	-40.23	14.37	-1.71	26.36	104.31 -
167.46											
		-167.46	-131.18	-0.04	0.0	51.0	-40.23	3.16	-1.71	26.36	-13.43337.53
						102.0	-40.23	-8.05	-1.71	26.36	-131.18270.82
33	91	381.22	91.11	-0.08	-22.42	0.0	71.58	10.10	1.27	-57.05	-19.37260.89
		-140.15	-19.37	0.10	0.0	51.0	71.58	-1.11	1.27	-57.05	35.87346.22
						102.0	71.58	-12.32	1.27	-57.05	91.11 -
140.15											
33	92	2.53	314.41	0.09	-22.42	0.0	-29.12	4.09	4.70	20.56	-184.32 -
105.10											
		-546.77	-184.32	-0.07	0.0	51.0	-29.12	-7.12	4.70	20.56	65.05 -40.08
						102.0	-29.12	-18.33	4.70	20.56	314.41 -
546.77											
33	93	457.86	58.49	-0.12	-22.42	0.0	47.97	13.86	-1.12	-42.77	58.49179.24
		164.79	-74.88	0.08	0.0	51.0	47.97	2.65	-1.12	-42.77	-8.19457.86
						102.0	47.97	-8.56	-1.12	-42.77	-74.88164.79
33	94	71.56	148.43	0.05	-22.42	0.0	-52.73	7.85	2.32	34.84	-106.46 -
186.75											
		-241.83	-106.46	-0.08	0.0	51.0	-52.73	-3.36	2.32	34.84	20.99 71.56
						102.0	-52.73	-14.57	2.32	34.84	148.43 -
241.83											
33	95	379.73	95.52	-0.07	-22.42	0.0	70.65	10.00	1.33	-57.20	-21.17262.54
		-148.55	-21.17	0.10	0.0	51.0	70.65	-1.21	1.33	-57.20	37.18342.85
						102.0	70.65	-12.42	1.33	-57.20	95.52 -
148.55											
33	96	1.04	318.83	0.09	-22.42	0.0	-30.05	3.98	4.76	20.40	-186.12 -
103.45											
		-555.17	-186.12	-0.07	0.0	51.0	-30.05	-7.23	4.76	20.40	66.36 -43.46
						102.0	-30.05	-18.44	4.76	20.40	318.83 -
555.17											
33	97	461.24	60.29	-0.12	-22.42	0.0	48.89	13.96	-1.18	-42.61	60.29177.59
		173.19	-79.29	0.08	0.0	51.0	48.89	2.75	-1.18	-42.61	-9.50461.24
						102.0	48.89	-8.46	-1.18	-42.61	-79.29173.19
33	98	74.94	144.01	0.05	-22.42	0.0	-51.80	7.95	2.25	34.99	-104.66 -
188.40											
		-233.43	-104.66	-0.08	0.0	51.0	-51.80	-3.26	2.25	34.99	19.68 74.94
						102.0	-51.80	-14.47	2.25	34.99	144.01 -
233.43											
33	99	413.66	68.03	-0.07	-22.42	0.0	65.86	11.16	0.73	-62.08	-206.69287.72
		-95.37	-206.69	0.08	0.0	51.0	65.86	-0.05	0.73	-62.08	-69.33382.02
						102.0	65.86	-11.26	0.73	-62.08	68.03 -95.37
33	100	-29.90	337.49	0.08	-22.42	0.0	-23.41	3.03	5.23	25.59	3.01 -
131.92											
		-591.55	3.01	-0.05	0.0	51.0	-23.41	-8.18	5.23	25.59	170.25 -75.88
						102.0	-23.41	-19.39	5.23	25.59	337.49 -
591.55											
33	101	493.67	-97.96	-0.11	-22.42	0.0	42.25	14.92	-1.65	-47.80	-128.83206.07
		206.07	-128.83	0.07	0.0	51.0	42.25	3.71	-1.65	-47.80	-113.40493.67
						102.0	42.25	-7.50	-1.65	-47.80	-97.96209.57
33	102	35.86	171.51	0.04	-22.42	0.0	-47.01	6.79	2.85	39.87	80.87 -
213.57											
		-286.61	80.87	-0.07	0.0	51.0	-47.01	-4.42	2.85	39.87	126.19 35.76
						102.0	-47.01	-15.63	2.85	39.87	171.51 -
286.61											
33	103	412.16	72.44	-0.07	-22.42	0.0	64.94	11.06	0.80	-62.24	-208.49289.37

		-103.77	-208.49	0.09	0.0	51.0	64.94	-0.15	0.80	-62.24	-68.02	378.65
						102.0	64.94	-11.36	0.80	-62.24	72.44	-
103.77												
33	104	-31.39	341.91	0.08	-22.42	0.0	-24.33	2.92	5.29	25.43	1.21	-
130.27												
		-599.95	1.21	-0.05	0.0	51.0	-24.33	-8.29	5.29	25.43	171.56	-79.26
						102.0	-24.33	-19.50	5.29	25.43	341.91	-
599.95												
33	105	497.04	-102.37	-0.11	-22.42	0.0	43.18	15.02	-1.71	-47.65	-127.03	204.42
		204.42	-127.03	0.07	0.0	51.0	43.18	3.81	-1.71	-47.65	-114.70	497.04
						102.0	43.18	-7.40	-1.71	-47.65	-102.37	217.97
33	106	39.13	167.09	0.04	-22.42	0.0	-46.09	6.89	2.79	40.02	82.67	-
215.22												
		-278.21	82.67	-0.07	0.0	51.0	-46.09	-4.32	2.79	40.02	124.88	39.13
						102.0	-46.09	-15.53	2.79	40.02	167.09	-
278.21												
36	1	277.11	0.23	-0.01	-17.07	0.0	1.50	15.71	-7.67e-03	-0.30	0.23	-
459.72												
		-459.72	-0.55	4.72e-03	0.0	51.0	1.50	7.17	-7.67e-03	-0.30	-0.16	123.71
						102.0	1.50	-1.36	-7.67e-03	-0.30	-0.55	271.82
36	2	4732.91	0.43	-0.06	-17.07	0.0	9.46	103.23	-0.01	0.27	0.43	-
4925.73												
		-4925.73	-1.05	4.10e-03	0.0	51.0	9.46	94.69	-0.01	0.27	-0.31	121.25
						102.0	9.46	86.16	-0.01	0.27	-1.05	
4732.91												
36	3	153.01	0.17	-0.01	-13.13	0.0	1.00	10.43	-5.77e-03	-0.24	0.17	-
269.35												
		-269.35	-0.42	3.64e-03	0.0	51.0	1.00	3.87	-5.77e-03	-0.24	-0.12	95.21
						102.0	1.00	-2.70	-5.77e-03	-0.24	-0.42	124.91
36	4	4586.00	0.37	-0.06	-13.13	0.0	8.97	97.95	-0.01	0.32	0.37	-
4735.36												
		-4735.36	-0.91	3.03e-03	0.0	51.0	8.97	91.39	-0.01	0.32	-0.27	92.74
						102.0	8.97	84.82	-0.01	0.32	-0.91	
4586.00												
36	5	184.56	0.18	-0.01	-13.13	0.0	1.09	11.36	-5.85e-03	-0.23	0.18	-
316.98												
		-316.98	-0.42	3.63e-03	0.0	51.0	1.09	4.80	-5.85e-03	-0.23	-0.12	95.18
						102.0	1.09	-1.77	-5.85e-03	-0.23	-0.42	172.49
36	6	3146.55	0.31	-0.04	-13.13	0.0	6.40	69.71	-0.01	0.14	0.31	-
3294.33												
		-3294.33	-0.75	3.22e-03	0.0	51.0	6.40	63.15	-0.01	0.14	-0.22	93.54
						102.0	6.40	56.58	-0.01	0.14	-0.75	
3146.55												
36	7	184.56	0.18	-0.01	-13.13	0.0	1.09	11.36	-5.85e-03	-0.23	0.18	-
316.98												
		-316.98	-0.42	3.63e-03	0.0	51.0	1.09	4.80	-5.85e-03	-0.23	-0.12	95.18
						102.0	1.09	-1.77	-5.85e-03	-0.23	-0.42	172.49
36	8	2254.33	0.27	-0.03	-13.13	0.0	4.80	52.21	-9.03e-03	0.03	0.27	-
2401.12												
		-2401.12	-0.65	3.35e-03	0.0	51.0	4.80	45.64	-9.03e-03	0.03	-0.19	94.03
						102.0	4.80	39.08	-9.03e-03	0.03	-0.65	
2254.33												
36	9	184.56	0.18	-0.01	-13.13	0.0	1.09	11.36	-5.85e-03	-0.23	0.18	-
316.98												
		-316.98	-0.42	3.63e-03	0.0	51.0	1.09	4.80	-5.85e-03	-0.23	-0.12	95.18
						102.0	1.09	-1.77	-5.85e-03	-0.23	-0.42	172.49
36	10	1956.93	0.26	-0.03	-13.13	0.0	4.27	46.37	-8.57e-03	-8.01e-03	0.26	-
2103.39												
		-2103.39	-0.62	3.39e-03	0.0	51.0	4.27	39.81	-8.57e-03	-8.01e-03	-0.18	94.20
						102.0	4.27	33.24	-8.57e-03	-8.01e-03	-0.62	
1956.93												
36	11	1.732e+04	13.98	-0.09	-13.13	0.0	26.37	-334.50	-0.28	-12.23	13.98	
1.732e+04												
		-1.747e+04	-14.33	0.09	0.0	51.0	26.37	-341.06	-0.28	-12.23	-0.17	92.89
						102.0	26.37	-347.63	-0.28	-12.23	-14.33	-
1.747e+04												
36	12	6308.90	9.70	0.09	-13.13	0.0	13.21	-118.55	-0.19	-16.01	9.70	
6308.90												
		-6452.44	-9.94	0.04	0.0	51.0	13.21	-125.11	-0.19	-16.01	-0.12	95.66
						102.0	13.21	-131.68	-0.19	-16.01	-9.94	-
6452.44												
36	13	1.037e+04	8.70	-0.14	-13.13	0.0	-4.67	211.29	0.17	16.00	-9.19	-

1.052e+04												
		-1.052e+04	-9.19	-0.03	0.0	51.0	-4.67	204.73	0.17	16.00	-0.25	92.73
						102.0	-4.67	198.16	0.17	16.00	8.70	
1.037e+04												
36	14	2.138e+04	13.09	0.03	-13.13	0.0	-17.83	427.24	0.26	12.21	-13.47	-
2.153e+04												
		-2.153e+04	-13.47	-0.08	0.0	51.0	-17.83	420.68	0.26	12.21	-0.19	95.50
						102.0	-17.83	414.11	0.26	12.21	13.09	
2.138e+04												
36	15	1.902e+04	15.22	-0.08	-13.13	0.0	26.72	-367.75	-0.30	-17.00	15.22	
1.902e+04												
		-1.916e+04	-15.57	0.09	0.0	51.0	26.72	-374.32	-0.30	-17.00	-0.17	92.86
						102.0	26.72	-380.88	-0.30	-17.00	-15.57	-
1.916e+04												
36	16	4612.95	8.46	0.08	-13.13	0.0	12.87	-85.29	-0.17	-11.24	8.46	
4612.95												
		-4756.44	-8.70	0.04	0.0	51.0	12.87	-91.86	-0.17	-11.24	-0.12	95.69
						102.0	12.87	-98.42	-0.17	-11.24	-8.70	-
4756.44												
36	17	8670.29	7.46	-0.14	-13.13	0.0	-4.32	178.04	0.15	11.23	-7.95	-
8819.73												
		-8819.73	-7.95	-0.03	0.0	51.0	-4.32	171.47	0.15	11.23	-0.25	92.71
						102.0	-4.32	164.91	0.15	11.23	7.46	
8670.29												
36	18	2.308e+04	14.33	0.03	-13.13	0.0	-18.17	460.50	0.28	16.98	-14.71	-
2.322e+04												
		-2.322e+04	-14.71	-0.08	0.0	51.0	-18.17	453.93	0.28	16.98	-0.19	95.53
						102.0	-18.17	447.36	0.28	16.98	14.33	
2.308e+04												
36	19	1.803e+04	16.34	-0.08	-13.13	0.0	28.80	-348.33	-0.33	-12.99	16.34	
1.803e+04												
		-1.817e+04	-16.91	0.10	0.0	51.0	28.80	-354.90	-0.33	-12.99	-0.28	92.57
						102.0	28.80	-361.47	-0.33	-12.99	-16.91	-
1.817e+04												
36	20	7014.33	12.06	0.10	-13.13	0.0	15.64	-132.38	-0.24	-16.78	12.06	
7014.33												
		-7158.49	-12.51	0.05	0.0	51.0	15.64	-138.95	-0.24	-16.78	-0.23	95.34
						102.0	15.64	-145.51	-0.24	-16.78	-12.51	-
7158.49												
36	21	1.107e+04	11.28	-0.15	-13.13	0.0	-7.09	225.13	0.22	16.76	-11.55	-
1.122e+04												
		-1.122e+04	-11.55	-0.04	0.0	51.0	-7.09	218.56	0.22	16.76	-0.13	93.05
						102.0	-7.09	212.00	0.22	16.76	11.28	
1.107e+04												
36	22	2.209e+04	15.67	0.02	-13.13	0.0	-20.25	441.08	0.31	12.97	-15.83	-
2.223e+04												
		-2.223e+04	-15.83	-0.09	0.0	51.0	-20.25	434.51	0.31	12.97	-0.08	95.82
						102.0	-20.25	427.95	0.31	12.97	15.67	
2.209e+04												
36	23	1.972e+04	17.58	-0.07	-13.13	0.0	29.14	-381.59	-0.35	-17.76	17.58	
1.972e+04												
		-1.987e+04	-18.15	0.09	0.0	51.0	29.14	-388.15	-0.35	-17.76	-0.28	92.54
						102.0	29.14	-394.72	-0.35	-17.76	-18.15	-
1.987e+04												
36	24	5318.38	10.82	0.09	-13.13	0.0	15.29	-99.13	-0.22	-12.00	10.82	
5318.38												
		-5462.49	-11.27	0.05	0.0	51.0	15.29	-105.69	-0.22	-12.00	-0.23	95.37
						102.0	15.29	-112.26	-0.22	-12.00	-11.27	-
5462.49												
36	25	9376.34	10.04	-0.15	-13.13	0.0	-6.75	191.87	0.20	11.99	-10.31	-
9525.16												
		-9525.16	-10.31	-0.04	0.0	51.0	-6.75	185.31	0.20	11.99	-0.13	93.02
						102.0	-6.75	178.74	0.20	11.99	10.04	
9376.34												
36	26	2.378e+04	16.91	0.02	-13.13	0.0	-20.59	474.33	0.33	17.74	-17.07	-
2.393e+04												
		-2.393e+04	-17.07	-0.09	0.0	51.0	-20.59	467.77	0.33	17.74	-0.08	95.85
						102.0	-20.59	461.20	0.33	17.74	16.91	
2.378e+04												
36	27	2.042e+04	10.87	-0.31	-13.13	0.0	30.86	-395.41	-0.22	2.07	10.87	
2.042e+04												
		-2.058e+04	-11.39	0.10	0.0	51.0	30.86	-401.98	-0.22	2.07	-0.26	89.60

						102.0	30.86	-408.54	-0.22	2.07	-11.39	-
2.058e+04												
36	28	1.614e+04	3.25	0.27	-13.13	0.0	-13.00	324.42	0.07	-10.56	-3.40	-
1.628e+04												
		-1.628e+04	-3.40	-0.06	0.0	51.0	-13.00	317.86	0.07	-10.56	-0.08	98.84
						102.0	-13.00	311.29	0.07	-10.56	3.25	
1.614e+04												
36	29	1.207e+04	3.91	-0.33	-13.13	0.0	21.55	-231.68	-0.08	10.54	3.91	
1.207e+04												
		-1.223e+04	-4.48	0.07	0.0	51.0	21.55	-238.24	-0.08	10.54	-0.28	89.55
						102.0	21.55	-244.81	-0.08	10.54	-4.48	-
1.223e+04												
36	30	2.449e+04	10.16	0.26	-13.13	0.0	-22.31	488.16	0.20	-2.09	-10.36	-
2.463e+04												
		-2.463e+04	-10.36	-0.10	0.0	51.0	-22.31	481.59	0.20	-2.09	-0.10	98.79
						102.0	-22.31	475.03	0.20	-2.09	10.16	
2.449e+04												
36	31	2.063e+04	11.57	-0.31	-13.13	0.0	31.59	-399.56	-0.23	1.84	11.57	
2.063e+04												
		-2.079e+04	-12.17	0.11	0.0	51.0	31.59	-406.13	-0.23	1.84	-0.30	89.50
						102.0	31.59	-412.70	-0.23	1.84	-12.17	-
2.079e+04												
36	32	1.593e+04	2.47	0.28	-13.13	0.0	-12.28	320.27	0.05	-10.78	-2.70	-
1.607e+04												
		-1.607e+04	-2.70	-0.06	0.0	51.0	-12.28	313.71	0.05	-10.78	-0.11	98.75
						102.0	-12.28	307.14	0.05	-10.78	2.47	
1.593e+04												
36	33	1.186e+04	3.21	-0.33	-13.13	0.0	20.82	-227.53	-0.07	10.77	3.21	
1.186e+04												
		-1.202e+04	-3.71	0.06	0.0	51.0	20.82	-234.09	-0.07	10.77	-0.25	89.65
						102.0	20.82	-240.66	-0.07	10.77	-3.71	-
1.202e+04												
36	34	2.470e+04	10.93	0.25	-13.13	0.0	-23.04	492.31	0.22	-1.86	-11.06	-
2.484e+04												
		-2.484e+04	-11.06	-0.10	0.0	51.0	-23.04	485.74	0.22	-1.86	-0.07	98.89
						102.0	-23.04	479.18	0.22	-1.86	10.93	
2.470e+04												
36	35	2.608e+04	15.00	-0.29	-13.13	0.0	32.01	-506.26	-0.30	-13.83	15.00	
2.608e+04												
		-2.623e+04	-15.53	0.10	0.0	51.0	32.01	-512.83	-0.30	-13.83	-0.26	89.51
						102.0	32.01	-519.39	-0.30	-13.83	-15.53	-
2.623e+04												
36	36	2.180e+04	7.38	0.25	-13.13	0.0	-14.15	435.27	0.15	5.35	-7.54	-
2.193e+04												
		-2.193e+04	-7.54	-0.05	0.0	51.0	-14.15	428.70	0.15	5.35	-0.08	98.93
						102.0	-14.15	422.14	0.15	5.35	7.38	
2.180e+04												
36	37	1.773e+04	8.05	-0.31	-13.13	0.0	22.69	-342.52	-0.16	-5.36	8.05	
1.773e+04												
		-1.788e+04	-8.62	0.06	0.0	51.0	22.69	-349.09	-0.16	-5.36	-0.29	89.46
						102.0	22.69	-355.66	-0.16	-5.36	-8.62	-
1.788e+04												
36	38	3.015e+04	14.29	0.24	-13.13	0.0	-23.46	599.01	0.28	13.82	-14.49	-
3.028e+04												
		-3.028e+04	-14.49	-0.09	0.0	51.0	-23.46	592.44	0.28	13.82	-0.10	98.88
						102.0	-23.46	585.87	0.28	13.82	14.29	
3.015e+04												
36	39	2.629e+04	15.71	-0.29	-13.13	0.0	32.73	-510.41	-0.31	-14.06	15.71	
2.629e+04												
		-2.644e+04	-16.30	0.10	0.0	51.0	32.73	-516.98	-0.31	-14.06	-0.30	89.41
						102.0	32.73	-523.54	-0.31	-14.06	-16.30	-
2.644e+04												
36	40	2.158e+04	6.61	0.25	-13.13	0.0	-13.42	431.12	0.13	5.12	-6.83	-
2.172e+04												
		-2.172e+04	-6.83	-0.05	0.0	51.0	-13.42	424.55	0.13	5.12	-0.11	98.84
						102.0	-13.42	417.99	0.13	5.12	6.61	
2.158e+04												
36	41	1.751e+04	7.34	-0.31	-13.13	0.0	21.97	-338.37	-0.15	-5.14	7.34	
1.751e+04												
		-1.767e+04	-7.85	0.06	0.0	51.0	21.97	-344.94	-0.15	-5.14	-0.25	89.56
						102.0	21.97	-351.50	-0.15	-5.14	-7.85	-
1.767e+04												

36	42	3.036e+04	15.06	0.23	-13.13	0.0	-24.18	603.16	0.30	14.04	-15.19	-
3.049e+04												
		-3.049e+04	-15.19	-0.09	0.0	51.0	-24.18	596.59	0.30	14.04	-0.06	98.98
						102.0	-24.18	590.03	0.30	14.04	15.06	
3.036e+04												
36	43	1.322e+04	10.99	-0.08	-13.13	0.0	21.72	-254.01	-0.22	-9.66	10.99	
1.322e+04												
		-1.336e+04	-11.36	0.07	0.0	51.0	21.72	-260.58	-0.22	-9.66	-0.18	93.14
						102.0	21.72	-267.15	-0.22	-9.66	-11.36	-
1.336e+04												
36	44	4517.42	7.73	0.06	-13.13	0.0	11.33	-83.42	-0.15	-12.59	7.73	
4517.42												
		-4661.58	-8.01	0.03	0.0	51.0	11.33	-89.99	-0.15	-12.59	-0.14	95.35
						102.0	11.33	-96.56	-0.15	-12.59	-8.01	-
4661.58												
36	45	8575.43	6.77	-0.12	-13.13	0.0	-2.78	176.17	0.14	12.57	-7.22	-
8724.20												
		-8724.20	-7.22	-0.02	0.0	51.0	-2.78	169.60	0.14	12.57	-0.22	93.04
						102.0	-2.78	163.04	0.14	12.57	6.77	
8575.43												
36	46	1.728e+04	10.12	0.02	-13.13	0.0	-13.17	346.76	0.20	9.64	-10.48	-
1.742e+04												
		-1.742e+04	-10.48	-0.06	0.0	51.0	-13.17	340.19	0.20	9.64	-0.18	95.25
						102.0	-13.17	333.63	0.20	9.64	10.12	
1.728e+04												
36	47	1.456e+04	11.99	-0.07	-13.13	0.0	21.99	-280.45	-0.24	-13.38	11.99	
1.456e+04												
		-1.471e+04	-12.35	0.07	0.0	51.0	21.99	-287.01	-0.24	-13.38	-0.18	93.12
						102.0	21.99	-293.58	-0.24	-13.38	-12.35	-
1.471e+04												
36	48	3169.37	6.73	0.06	-13.13	0.0	11.05	-56.99	-0.13	-8.87	6.73	
3169.37												
		-3313.49	-7.01	0.03	0.0	51.0	11.05	-63.56	-0.13	-8.87	-0.14	95.37
						102.0	11.05	-70.12	-0.13	-8.87	-7.01	-
3313.49												
36	49	7227.34	5.77	-0.11	-13.13	0.0	-2.50	149.74	0.12	8.85	-6.22	-
7376.15												
		-7376.15	-6.22	-0.03	0.0	51.0	-2.50	143.17	0.12	8.85	-0.22	93.02
						102.0	-2.50	136.61	0.12	8.85	5.77	
7227.34												
36	50	1.863e+04	11.12	0.01	-13.13	0.0	-13.44	373.19	0.22	13.36	-11.47	-
1.877e+04												
		-1.877e+04	-11.47	-0.06	0.0	51.0	-13.44	366.63	0.22	13.36	-0.18	95.27
						102.0	-13.44	360.06	0.22	13.36	11.12	
1.863e+04												
36	51	1.376e+04	12.86	-0.07	-13.13	0.0	23.63	-264.75	-0.26	-10.25	12.86	
1.376e+04												
		-1.391e+04	-13.40	0.08	0.0	51.0	23.63	-271.32	-0.26	-10.25	-0.27	92.89
						102.0	23.63	-277.88	-0.26	-10.25	-13.40	-
1.391e+04												
36	52	5064.69	9.60	0.07	-13.13	0.0	13.24	-94.16	-0.19	-13.18	9.60	
5064.69												
		-5209.36	-10.06	0.04	0.0	51.0	13.24	-100.73	-0.19	-13.18	-0.23	95.10
						102.0	13.24	-107.29	-0.19	-13.18	-10.06	-
5209.36												
36	53	9123.21	8.82	-0.13	-13.13	0.0	-4.69	186.91	0.18	13.17	-9.09	-
9271.47												
		-9271.47	-9.09	-0.03	0.0	51.0	-4.69	180.34	0.18	13.17	-0.14	93.30
						102.0	-4.69	173.77	0.18	13.17	8.82	
9123.21												
36	54	1.783e+04	12.17	0.01	-13.13	0.0	-15.09	357.50	0.24	10.23	-12.35	-
1.797e+04												
		-1.797e+04	-12.35	-0.07	0.0	51.0	-15.09	350.93	0.24	10.23	-0.09	95.50
						102.0	-15.09	344.36	0.24	10.23	12.17	
1.783e+04												
36	55	1.511e+04	13.86	-0.06	-13.13	0.0	23.91	-291.18	-0.28	-13.97	13.86	
1.511e+04												
		-1.526e+04	-14.40	0.08	0.0	51.0	23.91	-297.75	-0.28	-13.97	-0.27	92.87
						102.0	23.91	-304.31	-0.28	-13.97	-14.40	-
1.526e+04												
36	56	3716.64	8.60	0.07	-13.13	0.0	12.97	-67.73	-0.17	-9.46	8.60	
3716.64												

		-3861.26	-9.06	0.04	0.0	51.0	12.97	-74.29	-0.17	-9.46	-0.23	95.12
						102.0	12.97	-80.86	-0.17	-9.46	-9.06	-
3861.26												
36	57	7775.12	7.82	-0.12	-13.13	0.0	-4.42	160.47	0.16	9.44	-8.09	-
7923.42												
		-7923.42	-8.09	-0.03	0.0	51.0	-4.42	153.91	0.16	9.44	-0.14	93.28
						102.0	-4.42	147.34	0.16	9.44	7.82	
7775.12												
36	58	1.917e+04	13.17	6.11e-03	-13.13	0.0	-15.36	383.93	0.26	13.96	-13.35	-
1.932e+04												
		-1.932e+04	-13.35	-0.07	0.0	51.0	-15.36	377.36	0.26	13.96	-0.09	95.52
						102.0	-15.36	370.80	0.26	13.96	13.17	
1.917e+04												
36	59	1.568e+04	8.42	-0.26	-13.13	0.0	25.27	-302.47	-0.17	1.54	8.42	
1.568e+04												
		-1.584e+04	-8.92	0.08	0.0	51.0	25.27	-309.04	-0.17	1.54	-0.25	90.54
						102.0	25.27	-315.60	-0.17	1.54	-8.92	-
1.584e+04												
36	60	1.317e+04	2.24	0.21	-13.13	0.0	-9.37	266.16	0.05	-8.23	-2.45	-
1.331e+04												
		-1.331e+04	-2.45	-0.05	0.0	51.0	-9.37	259.60	0.05	-8.23	-0.10	97.88
						102.0	-9.37	253.03	0.05	-8.23	2.24	
1.317e+04												
36	61	9102.15	2.96	-0.27	-13.13	0.0	17.92	-173.42	-0.06	8.21	2.96	
9102.15												
		-9255.99	-3.48	0.05	0.0	51.0	17.92	-179.98	-0.06	8.21	-0.26	90.51
						102.0	17.92	-186.55	-0.06	8.21	-3.48	-
9255.99												
36	62	1.975e+04	7.68	0.20	-13.13	0.0	-16.72	395.22	0.15	-1.56	-7.91	-
1.989e+04												
		-1.989e+04	-7.91	-0.08	0.0	51.0	-16.72	388.65	0.15	-1.56	-0.11	97.85
						102.0	-16.72	382.09	0.15	-1.56	7.68	
1.975e+04												
36	63	1.585e+04	8.98	-0.25	-13.13	0.0	25.84	-305.69	-0.18	1.37	8.98	
1.585e+04												
		-1.600e+04	-9.53	0.08	0.0	51.0	25.84	-312.26	-0.18	1.37	-0.27	90.46
						102.0	25.84	-318.82	-0.18	1.37	-9.53	-
1.600e+04												
36	64	1.301e+04	1.63	0.21	-13.13	0.0	-8.80	262.94	0.03	-8.41	-1.89	-
1.314e+04												
		-1.314e+04	-1.89	-0.05	0.0	51.0	-8.80	256.38	0.03	-8.41	-0.13	97.81
						102.0	-8.80	249.81	0.03	-8.41	1.63	
1.301e+04												
36	65	8937.97	2.40	-0.27	-13.13	0.0	17.35	-170.20	-0.05	8.39	2.40	
8937.97												
		-9091.65	-2.87	0.05	0.0	51.0	17.35	-176.76	-0.05	8.39	-0.23	90.58
						102.0	17.35	-183.33	-0.05	8.39	-2.87	-
9091.65												
36	66	1.992e+04	8.29	0.20	-13.13	0.0	-17.30	398.44	0.16	-1.38	-8.47	-
2.005e+04												
		-2.005e+04	-8.47	-0.08	0.0	51.0	-17.30	391.87	0.16	-1.38	-0.09	97.93
						102.0	-17.30	385.31	0.16	-1.38	8.29	
1.992e+04												
36	67	2.018e+04	11.75	-0.24	-13.13	0.0	26.18	-390.58	-0.24	-10.86	11.75	
2.018e+04												
		-2.033e+04	-12.25	0.08	0.0	51.0	26.18	-397.15	-0.24	-10.86	-0.25	90.47
						102.0	26.18	-403.71	-0.24	-10.86	-12.25	-
2.033e+04												
36	68	1.766e+04	5.57	0.19	-13.13	0.0	-10.28	354.27	0.11	4.18	-5.77	-
1.780e+04												
		-1.780e+04	-5.77	-0.04	0.0	51.0	-10.28	347.70	0.11	4.18	-0.10	97.95
						102.0	-10.28	341.14	0.11	4.18	5.57	
1.766e+04												
36	69	1.360e+04	6.29	-0.25	-13.13	0.0	18.83	-261.53	-0.13	-4.19	6.29	
1.360e+04												
		-1.375e+04	-6.81	0.05	0.0	51.0	18.83	-268.09	-0.13	-4.19	-0.26	90.44
						102.0	18.83	-274.66	-0.13	-4.19	-6.81	-
1.375e+04												
36	70	2.425e+04	11.01	0.18	-13.13	0.0	-17.63	483.33	0.22	10.85	-11.24	-
2.438e+04												
		-2.438e+04	-11.24	-0.07	0.0	51.0	-17.63	476.76	0.22	10.85	-0.11	97.92
						102.0	-17.63	470.19	0.22	10.85	11.01	

2.425e+04												
36	71	2.034e+04	12.31	-0.24	-13.13	0.0	26.75	-393.80	-0.25	-11.04	12.31	
2.034e+04												
		-2.050e+04	-12.86	0.08	0.0	51.0	26.75	-400.37	-0.25	-11.04	-0.28	90.40
						102.0	26.75	-406.93	-0.25	-11.04	-12.86	-
2.050e+04												
36	72	1.750e+04	4.96	0.20	-13.13	0.0	-9.71	351.05	0.10	4.00	-5.21	-
1.764e+04												
		-1.764e+04	-5.21	-0.04	0.0	51.0	-9.71	344.48	0.10	4.00	-0.13	97.87
						102.0	-9.71	337.92	0.10	4.00	4.96	
1.750e+04												
36	73	1.343e+04	5.72	-0.25	-13.13	0.0	18.25	-258.30	-0.12	-4.02	5.72	
1.343e+04												
		-1.359e+04	-6.20	0.05	0.0	51.0	18.25	-264.87	-0.12	-4.02	-0.24	90.52
						102.0	18.25	-271.44	-0.12	-4.02	-6.20	-
1.359e+04												
36	74	2.441e+04	11.63	0.18	-13.13	0.0	-18.21	486.55	0.23	11.03	-11.80	-
2.455e+04												
		-2.455e+04	-11.80	-0.07	0.0	51.0	-18.21	479.98	0.23	11.03	-0.09	98.00
						102.0	-18.21	473.42	0.23	11.03	11.63	
2.441e+04												
36	75	1.057e+04	9.15	-0.07	-13.13	0.0	18.71	-202.20	-0.18	-8.00	9.15	
1.057e+04												
		-1.072e+04	-9.51	0.06	0.0	51.0	18.71	-208.77	-0.18	-8.00	-0.18	93.33
						102.0	18.71	-215.33	-0.18	-8.00	-9.51	-
1.072e+04												
36	76	3382.86	6.45	0.05	-13.13	0.0	10.11	-61.18	-0.13	-10.43	6.45	
3382.86												
		-3527.41	-6.74	0.03	0.0	51.0	10.11	-67.75	-0.13	-10.43	-0.14	95.15
						102.0	10.11	-74.31	-0.13	-10.43	-6.74	-
3527.41												
36	77	7441.27	5.50	-0.10	-13.13	0.0	-1.57	153.93	0.11	10.41	-5.93	-
7589.64												
		-7589.64	-5.93	-0.02	0.0	51.0	-1.57	147.36	0.11	10.41	-0.22	93.24
						102.0	-1.57	140.80	0.11	10.41	5.50	
7441.27												
36	78	1.463e+04	8.27	0.01	-13.13	0.0	-10.16	294.95	0.17	7.98	-8.64	-
1.478e+04												
		-1.478e+04	-8.64	-0.05	0.0	51.0	-10.16	288.38	0.17	7.98	-0.18	95.06
						102.0	-10.16	281.81	0.17	7.98	8.27	
1.463e+04												
36	79	1.169e+04	9.97	-0.06	-13.13	0.0	18.93	-224.04	-0.20	-11.08	9.97	
1.169e+04												
		-1.183e+04	-10.33	0.06	0.0	51.0	18.93	-230.60	-0.20	-11.08	-0.18	93.31
						102.0	18.93	-237.17	-0.20	-11.08	-10.33	-
1.183e+04												
36	80	2269.10	5.62	0.04	-13.13	0.0	9.89	-39.34	-0.11	-7.35	5.62	
2269.10												
		-2413.62	-5.91	0.03	0.0	51.0	9.89	-45.91	-0.11	-7.35	-0.14	95.17
						102.0	9.89	-52.47	-0.11	-7.35	-5.91	-
2413.62												
36	81	6327.47	4.67	-0.10	-13.13	0.0	-1.34	132.09	0.10	7.33	-5.11	-
6475.88												
		-6475.88	-5.11	-0.02	0.0	51.0	-1.34	125.52	0.10	7.33	-0.22	93.22
						102.0	-1.34	118.96	0.10	7.33	4.67	
6327.47												
36	82	1.575e+04	9.10	7.09e-03	-13.13	0.0	-10.38	316.78	0.18	11.06	-9.46	-
1.589e+04												
		-1.589e+04	-9.46	-0.05	0.0	51.0	-10.38	310.22	0.18	11.06	-0.18	95.08
						102.0	-10.38	303.65	0.18	11.06	9.10	
1.575e+04												
36	83	1.102e+04	10.69	-0.06	-13.13	0.0	20.29	-211.03	-0.21	-8.49	10.69	
1.102e+04												
		-1.117e+04	-11.20	0.06	0.0	51.0	20.29	-217.60	-0.21	-8.49	-0.25	93.12
						102.0	20.29	-224.16	-0.21	-8.49	-11.20	-
1.117e+04												
36	84	3833.01	7.99	0.05	-13.13	0.0	11.69	-70.01	-0.16	-10.91	7.99	
3833.01												
		-3977.98	-8.42	0.03	0.0	51.0	11.69	-76.58	-0.16	-10.91	-0.22	94.94
						102.0	11.69	-83.14	-0.16	-10.91	-8.42	-
3977.98												
36	85	7891.83	7.19	-0.11	-13.13	0.0	-3.15	162.76	0.14	10.90	-7.48	-

8039.79												
		-8039.79	-7.48	-0.03	0.0	51.0	-3.15	156.19	0.14	10.90	-0.14	93.45
						102.0	-3.15	149.63	0.14	10.90	7.19	
7891.83												
36	86	1.509e+04	9.96	4.55e-03	-13.13	0.0	-11.74	303.78	0.20	8.47	-10.18	-
1.523e+04												
		-1.523e+04	-10.18	-0.06	0.0	51.0	-11.74	297.21	0.20	8.47	-0.11	95.27
						102.0	-11.74	290.64	0.20	8.47	9.96	
1.509e+04												
36	87	1.214e+04	11.51	-0.06	-13.13	0.0	20.51	-232.87	-0.23	-11.57	11.51	
1.214e+04												
		-1.229e+04	-12.02	0.06	0.0	51.0	20.51	-239.43	-0.23	-11.57	-0.25	93.10
						102.0	20.51	-246.00	-0.23	-11.57	-12.02	-
1.229e+04												
36	88	2719.25	7.16	0.05	-13.13	0.0	11.47	-48.17	-0.14	-7.83	7.16	
2719.25												
		-2864.18	-7.60	0.03	0.0	51.0	11.47	-54.74	-0.14	-7.83	-0.22	94.96
						102.0	11.47	-61.31	-0.14	-7.83	-7.60	-
2864.18												
36	89	6778.04	6.36	-0.11	-13.13	0.0	-2.92	140.92	0.13	7.82	-6.65	-
6926.03												
		-6926.03	-6.65	-0.03	0.0	51.0	-2.92	134.35	0.13	7.82	-0.15	93.43
						102.0	-2.92	127.79	0.13	7.82	6.36	
6778.04												
36	90	1.620e+04	10.78	2.37e-03	-13.13	0.0	-11.96	325.61	0.21	11.55	-11.00	-
1.634e+04												
		-1.634e+04	-11.00	-0.06	0.0	51.0	-11.96	319.05	0.21	11.55	-0.11	95.29
						102.0	-11.96	312.48	0.21	11.55	10.78	
1.620e+04												
36	91	1.260e+04	7.02	-0.22	-13.13	0.0	21.63	-242.08	-0.14	1.28	7.02	
1.260e+04												
		-1.276e+04	-7.49	0.07	0.0	51.0	21.63	-248.64	-0.14	1.28	-0.24	91.18
						102.0	21.63	-255.21	-0.14	1.28	-7.49	-
1.276e+04												
36	92	1.122e+04	1.75	0.17	-13.13	0.0	-7.00	227.98	0.04	-6.82	-1.99	-
1.136e+04												
		-1.136e+04	-1.99	-0.04	0.0	51.0	-7.00	221.42	0.04	-6.82	-0.12	97.24
						102.0	-7.00	214.85	0.04	-6.82	1.75	
1.122e+04												
36	93	7155.69	2.50	-0.23	-13.13	0.0	15.55	-135.24	-0.05	6.80	2.50	
7155.69												
		-7308.25	-2.99	0.05	0.0	51.0	15.55	-141.80	-0.05	6.80	-0.25	91.15
						102.0	15.55	-148.37	-0.05	6.80	-2.99	-
7308.25												
36	94	1.667e+04	6.26	0.16	-13.13	0.0	-13.09	334.82	0.13	-1.29	-6.51	-
1.681e+04												
		-1.681e+04	-6.51	-0.06	0.0	51.0	-13.09	328.26	0.13	-1.29	-0.13	97.22
						102.0	-13.09	321.69	0.13	-1.29	6.26	
1.667e+04												
36	95	1.274e+04	7.49	-0.21	-13.13	0.0	22.11	-244.72	-0.15	1.13	7.49	
1.274e+04												
		-1.289e+04	-8.00	0.07	0.0	51.0	22.11	-251.29	-0.15	1.13	-0.26	91.11
						102.0	22.11	-257.86	-0.15	1.13	-8.00	-
1.289e+04												
36	96	1.109e+04	1.25	0.17	-13.13	0.0	-6.53	225.33	0.03	-6.96	-1.52	-
1.123e+04												
		-1.123e+04	-1.52	-0.04	0.0	51.0	-6.53	218.77	0.03	-6.96	-0.14	97.18
						102.0	-6.53	212.20	0.03	-6.96	1.25	
1.109e+04												
36	97	7020.65	2.04	-0.23	-13.13	0.0	15.08	-132.59	-0.04	6.95	2.04	
7020.65												
		-7173.08	-2.49	0.04	0.0	51.0	15.08	-139.15	-0.04	6.95	-0.22	91.21
						102.0	15.08	-145.72	-0.04	6.95	-2.49	-
7173.08												
36	98	1.681e+04	6.76	0.16	-13.13	0.0	-13.56	337.47	0.13	-1.15	-6.97	-
1.695e+04												
		-1.695e+04	-6.97	-0.06	0.0	51.0	-13.56	330.90	0.13	-1.15	-0.11	97.28
						102.0	-13.56	324.34	0.13	-1.15	6.76	
1.681e+04												
36	99	1.632e+04	9.77	-0.20	-13.13	0.0	22.38	-314.87	-0.20	-8.99	9.77	
1.632e+04												
		-1.647e+04	-10.24	0.06	0.0	51.0	22.38	-321.44	-0.20	-8.99	-0.24	91.12

						102.0	22.38	-328.00	-0.20	-8.99	-10.24	-
1.647e+04												
36	100	1.493e+04	4.50	0.15	-13.13	0.0	-7.75	300.78	0.09	3.45	-4.73	-
1.508e+04												
		-1.508e+04	-4.73	-0.03	0.0	51.0	-7.75	294.21	0.09	3.45	-0.11	97.30
						102.0	-7.75	287.65	0.09	3.45	4.50	
1.493e+04												
36	101	1.087e+04	5.24	-0.21	-13.13	0.0	16.30	-208.03	-0.11	-3.47	5.24	
1.087e+04												
		-1.102e+04	-5.74	0.04	0.0	51.0	16.30	-214.60	-0.11	-3.47	-0.25	91.09
						102.0	16.30	-221.17	-0.11	-3.47	-5.74	-
1.102e+04												
36	102	2.038e+04	9.01	0.14	-13.13	0.0	-13.84	407.62	0.18	8.98	-9.26	-
2.052e+04												
		-2.052e+04	-9.26	-0.06	0.0	51.0	-13.84	401.05	0.18	8.98	-0.13	97.27
						102.0	-13.84	394.49	0.18	8.98	9.01	
2.038e+04												
36	103	1.645e+04	10.23	-0.20	-13.13	0.0	22.86	-317.52	-0.21	-9.14	10.23	
1.645e+04												
		-1.660e+04	-10.75	0.07	0.0	51.0	22.86	-324.09	-0.21	-9.14	-0.26	91.06
						102.0	22.86	-330.65	-0.21	-9.14	-10.75	-
1.660e+04												
36	104	1.480e+04	4.00	0.16	-13.13	0.0	-7.28	298.13	0.08	3.31	-4.27	-
1.494e+04												
		-1.494e+04	-4.27	-0.03	0.0	51.0	-7.28	291.56	0.08	3.31	-0.14	97.24
						102.0	-7.28	285.00	0.08	3.31	4.00	
1.480e+04												
36	105	1.073e+04	4.78	-0.21	-13.13	0.0	15.83	-205.38	-0.10	-3.32	4.78	
1.073e+04												
		-1.089e+04	-5.23	0.04	0.0	51.0	15.83	-211.95	-0.10	-3.32	-0.23	91.15
						102.0	15.83	-218.52	-0.10	-3.32	-5.23	-
1.089e+04												
36	106	2.052e+04	9.51	0.14	-13.13	0.0	-14.31	410.27	0.19	9.12	-9.72	-
2.066e+04												
		-2.066e+04	-9.72	-0.06	0.0	51.0	-14.31	403.70	0.19	9.12	-0.10	97.33
						102.0	-14.31	397.13	0.19	9.12	9.51	
2.052e+04												
37	1	487.52	1.85	-0.01	-17.07	0.0	0.61	20.31	-0.04	0.36	1.85	-
713.73												
		-713.73	-1.87	3.25e-03	0.0	51.0	0.61	11.78	-0.04	0.36	-8.43e-03	104.55
						102.0	0.61	3.24	-0.04	0.36	-1.87	487.52
37	2	7642.93	1.67	-0.06	-17.07	0.0	0.87	160.51	0.03	0.17	-1.70	-
7858.56												
		-7858.56	-1.70	1.29e-03	0.0	51.0	0.87	151.98	0.03	0.17	-0.02	109.84
						102.0	0.87	143.44	0.03	0.17	1.67	
7642.93												
37	3	239.98	1.49	-0.01	-13.13	0.0	0.47	12.98	-0.03	0.28	1.49	-
414.19												
		-414.19	-1.50	2.53e-03	0.0	51.0	0.47	6.41	-0.03	0.28	-6.31e-03	80.32
						102.0	0.47	-0.15	-0.03	0.28	-1.50	239.98
37	4	7395.39	2.03	-0.06	-13.13	0.0	0.72	153.18	0.04	0.09	-2.06	-
7559.01												
		-7559.01	-2.06	5.74e-04	0.0	51.0	0.72	146.61	0.04	0.09	-0.02	85.62
						102.0	0.72	140.05	0.04	0.09	2.03	
7395.39												
37	5	316.30	1.45	-0.01	-13.13	0.0	0.47	14.47	-0.03	0.28	1.45	-
490.40												
		-490.40	-1.47	2.51e-03	0.0	51.0	0.47	7.91	-0.03	0.28	-6.41e-03	80.38
						102.0	0.47	1.34	-0.03	0.28	-1.47	316.30
37	6	5086.58	0.89	-0.04	-13.13	0.0	0.64	107.94	0.02	0.15	-0.91	-
5253.62												
		-5253.62	-0.91	1.21e-03	0.0	51.0	0.64	101.37	0.02	0.15	-0.01	83.91
						102.0	0.64	94.81	0.02	0.15	0.89	
5086.58												
37	7	316.30	1.45	-0.01	-13.13	0.0	0.47	14.47	-0.03	0.28	1.45	-
490.40												
		-490.40	-1.47	2.51e-03	0.0	51.0	0.47	7.91	-0.03	0.28	-6.41e-03	80.38
						102.0	0.47	1.34	-0.03	0.28	-1.47	316.30
37	8	3655.50	0.18	-0.03	-13.13	0.0	0.59	79.90	3.79e-03	0.19	-0.20	-
3824.65												
		-3824.65	-0.20	1.60e-03	0.0	51.0	0.59	73.33	3.79e-03	0.19	-0.01	82.85
						102.0	0.59	66.77	3.79e-03	0.19	0.18	

3655.50												
37	9	316.30	1.45	-0.01	-13.13	0.0	0.47	14.47	-0.03	0.28	1.45	-
490.40												
		-490.40	-1.47	2.51e-03	0.0	51.0	0.47	7.91	-0.03	0.28	-6.41e-03	80.38
						102.0	0.47	1.34	-0.03	0.28	-1.47	316.30
37	10	3178.47	0.03	-0.03	-13.13	0.0	0.57	70.55	-8.41e-04	0.20	0.03	-
3348.33												
		-3348.33	-0.05	1.73e-03	0.0	51.0	0.57	63.99	-8.41e-04	0.20	-0.01	82.50
						102.0	0.57	57.42	-8.41e-04	0.20	-0.05	
3178.47												
37	11	2.624e+04	79.80	-0.09	-13.13	0.0	0.60	-509.58	-1.56	11.62	79.80	
2.624e+04												
		-2.641e+04	-79.82	0.06	0.0	51.0	0.60	-516.15	-1.56	11.62	-7.34e-03	82.38
						102.0	0.60	-522.71	-1.56	11.62	-79.82	-
2.641e+04												
37	12	7476.54	104.72	0.09	-13.13	0.0	0.34	-141.79	-2.05	6.07	104.72	
7476.54												
		-7655.78	-104.74	0.03	0.0	51.0	0.34	-148.36	-2.05	6.07	-9.10e-03	77.81
						102.0	0.34	-154.92	-2.05	6.07	-104.74	-
7655.78												
37	13	1.401e+04	104.64	-0.14	-13.13	0.0	0.81	282.90	2.05	-5.67	-104.66	-
1.417e+04												
		-1.417e+04	-104.66	-0.03	0.0	51.0	0.81	276.33	2.05	-5.67	-0.01	87.18
						102.0	0.81	269.77	2.05	-5.67	104.64	
1.401e+04												
37	14	3.277e+04	79.71	0.03	-13.13	0.0	0.54	650.69	1.56	-11.21	-79.74	-
3.294e+04												
		-3.294e+04	-79.74	-0.05	0.0	51.0	0.54	644.12	1.56	-11.21	-0.01	82.61
						102.0	0.54	637.56	1.56	-11.21	79.71	
3.277e+04												
37	15	2.871e+04	110.81	-0.08	-13.13	0.0	0.60	-557.98	-2.17	12.55	110.81	
2.871e+04												
		-2.888e+04	-110.83	0.06	0.0	51.0	0.60	-564.55	-2.17	12.55	-9.36e-03	82.29
						102.0	0.60	-571.11	-2.17	12.55	-110.83	-
2.888e+04												
37	16	5008.31	73.71	0.08	-13.13	0.0	0.34	-93.39	-1.45	5.14	73.71	
5008.31												
		-5187.36	-73.73	0.03	0.0	51.0	0.34	-99.96	-1.45	5.14	-7.08e-03	77.90
						102.0	0.34	-106.52	-1.45	5.14	-73.73	-
5187.36												
37	17	1.154e+04	73.62	-0.14	-13.13	0.0	0.81	234.50	1.44	-4.74	-73.65	-
1.170e+04												
		-1.170e+04	-73.65	-0.03	0.0	51.0	0.81	227.93	1.44	-4.74	-0.01	87.09
						102.0	0.81	221.37	1.44	-4.74	73.62	
1.154e+04												
37	18	3.523e+04	110.73	0.03	-13.13	0.0	0.55	699.09	2.17	-12.14	-110.75	-
3.540e+04												
		-3.540e+04	-110.75	-0.05	0.0	51.0	0.55	692.52	2.17	-12.14	-0.01	82.70
						102.0	0.55	685.96	2.17	-12.14	110.73	
3.523e+04												
37	19	2.736e+04	83.91	-0.08	-13.13	0.0	0.60	-531.56	-1.65	12.10	83.91	
2.736e+04												
		-2.753e+04	-83.93	0.07	0.0	51.0	0.60	-538.12	-1.65	12.10	-7.52e-03	81.65
						102.0	0.60	-544.69	-1.65	12.10	-83.93	-
2.753e+04												
37	20	8596.54	108.84	0.10	-13.13	0.0	0.33	-163.77	-2.13	6.55	108.84	
8596.54												
		-8777.23	-108.85	0.04	0.0	51.0	0.33	-170.33	-2.13	6.55	-9.28e-03	77.08
						102.0	0.33	-176.90	-2.13	6.55	-108.85	-
8777.23												
37	21	1.513e+04	108.75	-0.15	-13.13	0.0	0.81	304.87	2.13	-6.15	-108.77	-
1.529e+04												
		-1.529e+04	-108.77	-0.04	0.0	51.0	0.81	298.31	2.13	-6.15	-0.01	87.91
						102.0	0.81	291.74	2.13	-6.15	108.75	
1.513e+04												
37	22	3.389e+04	83.82	0.02	-13.13	0.0	0.55	672.67	1.64	-11.70	-83.85	-
3.406e+04												
		-3.406e+04	-83.85	-0.06	0.0	51.0	0.55	666.10	1.64	-11.70	-0.01	83.34
						102.0	0.55	659.53	1.64	-11.70	83.82	
3.389e+04												
37	23	2.983e+04	114.92	-0.07	-13.13	0.0	0.59	-579.96	-2.25	13.03	114.92	
2.983e+04												

		-3.000e+04	-114.94	0.07	0.0	51.0	0.59	-586.52	-2.25	13.03	-9.54e-03	81.56
						102.0	0.59	-593.09	-2.25	13.03	-114.94	-
3.000e+04												
37	24	6128.31	77.82	0.09	-13.13	0.0	0.34	-115.37	-1.53	5.62	77.82	
6128.31												
		-6308.82	-77.84	0.04	0.0	51.0	0.34	-121.93	-1.53	5.62	-7.26e-03	77.17
						102.0	0.34	-128.50	-1.53	5.62	-77.84	-
6308.82												
37	25	1.267e+04	77.73	-0.15	-13.13	0.0	0.81	256.47	1.52	-5.22	-77.76	-
1.282e+04												
		-1.282e+04	-77.76	-0.04	0.0	51.0	0.81	249.91	1.52	-5.22	-0.01	87.82
						102.0	0.81	243.34	1.52	-5.22	77.73	
1.267e+04												
37	26	3.636e+04	114.84	0.02	-13.13	0.0	0.55	721.06	2.25	-12.62	-114.86	-
3.652e+04												
		-3.652e+04	-114.86	-0.07	0.0	51.0	0.55	714.50	2.25	-12.62	-0.01	83.43
						102.0	0.55	707.93	2.25	-12.62	114.84	
3.636e+04												
37	27	3.398e+04	13.82	-0.31	-13.13	0.0	0.98	-661.31	0.27	12.04	-13.84	
3.398e+04												
		-3.414e+04	-13.84	0.05	0.0	51.0	0.98	-667.87	0.27	12.04	-6.56e-03	89.39
						102.0	0.98	-674.44	0.27	12.04	13.82	-
3.414e+04												
37	28	2.837e+04	69.24	0.27	-13.13	0.0	0.10	564.67	-1.36	-6.45	69.24	-
2.856e+04												
		-2.856e+04	-69.26	-0.02	0.0	51.0	0.10	558.10	-1.36	-6.45	-0.01	74.16
						102.0	0.10	551.54	-1.36	-6.45	-69.26	
2.837e+04												
37	29	2.186e+04	69.16	-0.33	-13.13	0.0	1.05	-423.56	1.36	6.86	-69.17	
2.186e+04												
		-2.201e+04	-69.17	0.03	0.0	51.0	1.05	-430.13	1.36	6.86	-7.66e-03	90.83
						102.0	1.05	-436.69	1.36	6.86	69.16	-
2.201e+04												
37	30	4.050e+04	13.90	0.26	-13.13	0.0	0.16	802.41	-0.27	-11.64	13.90	-
4.068e+04												
		-4.068e+04	-13.93	-0.05	0.0	51.0	0.16	795.85	-0.27	-11.64	-0.01	75.60
						102.0	0.16	789.28	-0.27	-11.64	-13.93	
4.050e+04												
37	31	3.432e+04	12.59	-0.31	-13.13	0.0	0.98	-667.90	0.25	12.19	-12.60	
3.432e+04												
		-3.448e+04	-12.60	0.06	0.0	51.0	0.98	-674.46	0.25	12.19	-6.62e-03	89.17
						102.0	0.98	-681.03	0.25	12.19	12.59	-
3.448e+04												
37	32	2.803e+04	70.47	0.28	-13.13	0.0	0.10	558.08	-1.38	-6.31	70.47	-
2.822e+04												
		-2.822e+04	-70.50	-0.02	0.0	51.0	0.10	551.51	-1.38	-6.31	-0.01	73.94
						102.0	0.10	544.94	-1.38	-6.31	-70.50	
2.803e+04												
37	33	2.152e+04	70.39	-0.33	-13.13	0.0	1.05	-416.97	1.38	6.71	-70.41	
2.152e+04												
		-2.168e+04	-70.41	0.02	0.0	51.0	1.05	-423.53	1.38	6.71	-7.60e-03	91.05
						102.0	1.05	-430.10	1.38	6.71	70.39	-
2.168e+04												
37	34	4.083e+04	12.67	0.25	-13.13	0.0	0.16	809.01	-0.25	-11.78	12.67	-
4.102e+04												
		-4.102e+04	-12.69	-0.05	0.0	51.0	0.16	802.44	-0.25	-11.78	-0.01	75.82
						102.0	0.16	795.87	-0.25	-11.78	-12.69	
4.083e+04												
37	35	4.221e+04	89.54	-0.29	-13.13	0.0	0.97	-822.63	-1.76	15.14	89.54	
4.221e+04												
		-4.237e+04	-89.56	0.06	0.0	51.0	0.97	-829.20	-1.76	15.14	-0.01	89.08
						102.0	0.97	-835.77	-1.76	15.14	-89.56	-
4.237e+04												
37	36	3.660e+04	34.12	0.25	-13.13	0.0	0.11	726.00	0.67	-9.55	-34.13	-
3.678e+04												
		-3.678e+04	-34.13	-0.03	0.0	51.0	0.11	719.43	0.67	-9.55	-5.70e-03	74.47
						102.0	0.11	712.87	0.67	-9.55	34.12	
3.660e+04												
37	37	3.009e+04	34.20	-0.31	-13.13	0.0	1.03	-584.89	-0.67	9.95	34.20	
3.009e+04												
		-3.024e+04	-34.23	0.03	0.0	51.0	1.03	-591.46	-0.67	9.95	-0.01	90.52
						102.0	1.03	-598.02	-0.67	9.95	-34.23	-

3.024e+04												
37	38	4.872e+04	89.46	0.24	-13.13	0.0	0.18	963.74	1.75	-14.73	-89.47	-
4.891e+04												
		-4.891e+04	-89.47	-0.05	0.0	51.0	0.18	957.18	1.75	-14.73	-6.79e-03	75.91
						102.0	0.18	950.61	1.75	-14.73	89.46	
4.872e+04												
37	39	4.255e+04	90.77	-0.29	-13.13	0.0	0.97	-829.23	-1.78	15.28	90.77	
4.255e+04												
		-4.270e+04	-90.80	0.06	0.0	51.0	0.97	-835.79	-1.78	15.28	-0.01	88.86
						102.0	0.97	-842.36	-1.78	15.28	-90.80	-
4.270e+04												
37	40	3.626e+04	32.89	0.26	-13.13	0.0	0.11	719.40	0.64	-9.40	-32.90	-
3.645e+04												
		-3.645e+04	-32.90	-0.03	0.0	51.0	0.11	712.84	0.64	-9.40	-5.75e-03	74.25
						102.0	0.11	706.27	0.64	-9.40	32.89	
3.626e+04												
37	41	2.975e+04	32.96	-0.31	-13.13	0.0	1.03	-578.30	-0.65	9.81	32.96	
2.975e+04												
		-2.990e+04	-32.99	0.03	0.0	51.0	1.03	-584.86	-0.65	9.81	-0.01	90.74
						102.0	1.03	-591.43	-0.65	9.81	-32.99	-
2.990e+04												
37	42	4.906e+04	90.69	0.23	-13.13	0.0	0.18	970.33	1.78	-14.88	-90.70	-
4.924e+04												
		-4.924e+04	-90.70	-0.06	0.0	51.0	0.18	963.77	1.78	-14.88	-6.73e-03	76.13
						102.0	0.18	957.20	1.78	-14.88	90.69	
4.906e+04												
37	43	2.000e+04	63.02	-0.08	-13.13	0.0	0.59	-387.34	-1.24	9.22	63.02	
2.000e+04												
		-2.017e+04	-63.04	0.05	0.0	51.0	0.59	-393.91	-1.24	9.22	-8.35e-03	82.40
						102.0	0.59	-400.47	-1.24	9.22	-63.04	-
2.017e+04												
37	44	5164.73	82.28	0.06	-13.13	0.0	0.38	-96.44	-1.61	4.83	82.28	
5164.73												
		-5342.08	-82.30	0.03	0.0	51.0	0.38	-103.01	-1.61	4.83	-9.74e-03	78.76
						102.0	0.38	-109.57	-1.61	4.83	-82.30	-
5342.08												
37	45	1.170e+04	82.19	-0.12	-13.13	0.0	0.76	237.55	1.61	-4.43	-82.21	-
1.186e+04												
		-1.186e+04	-82.21	-0.02	0.0	51.0	0.76	230.98	1.61	-4.43	-0.01	86.24
						102.0	0.76	224.42	1.61	-4.43	82.19	
1.170e+04												
37	46	2.653e+04	62.93	0.02	-13.13	0.0	0.55	528.45	1.23	-8.82	-62.96	-
2.670e+04												
		-2.670e+04	-62.96	-0.04	0.0	51.0	0.55	521.89	1.23	-8.82	-0.01	82.59
						102.0	0.55	515.32	1.23	-8.82	62.93	
2.653e+04												
37	47	2.196e+04	87.18	-0.07	-13.13	0.0	0.59	-425.77	-1.71	9.96	87.18	
2.196e+04												
		-2.213e+04	-87.20	0.05	0.0	51.0	0.59	-432.33	-1.71	9.96	-9.96e-03	82.32
						102.0	0.59	-438.90	-1.71	9.96	-87.20	-
2.213e+04												
37	48	3205.15	58.12	0.06	-13.13	0.0	0.39	-58.02	-1.14	4.10	58.12	
3205.15												
		-3382.34	-58.14	0.03	0.0	51.0	0.39	-64.58	-1.14	4.10	-8.12e-03	78.83
						102.0	0.39	-71.15	-1.14	4.10	-58.14	-
3382.34												
37	49	9739.28	58.03	-0.12	-13.13	0.0	0.76	199.13	1.14	-3.69	-58.06	-
9901.81												
		-9901.81	-58.06	-0.02	0.0	51.0	0.76	192.56	1.14	-3.69	-0.01	86.16
						102.0	0.76	185.99	1.14	-3.69	58.03	
9739.28												
37	50	2.849e+04	87.09	0.01	-13.13	0.0	0.55	566.88	1.71	-9.56	-87.11	-
2.866e+04												
		-2.866e+04	-87.11	-0.04	0.0	51.0	0.55	560.31	1.71	-9.56	-0.01	82.67
						102.0	0.55	553.74	1.71	-9.56	87.09	
2.849e+04												
37	51	2.088e+04	66.23	-0.07	-13.13	0.0	0.59	-404.46	-1.30	9.60	66.23	
2.088e+04												
		-2.105e+04	-66.25	0.05	0.0	51.0	0.59	-411.02	-1.30	9.60	-8.51e-03	81.81
						102.0	0.59	-417.59	-1.30	9.60	-66.25	-
2.105e+04												
37	52	6036.84	85.49	0.07	-13.13	0.0	0.38	-113.55	-1.68	5.21	85.49	

6036.84												
		-6215.35	-85.51	0.04	0.0	51.0	0.38	-120.12	-1.68	5.21	-9.90e-03	78.17
						102.0	0.38	-126.69	-1.68	5.21	-85.51	-
6215.35												
37	53	1.257e+04	85.40	-0.13	-13.13	0.0	0.76	254.66	1.67	-4.81	-85.42	-
1.273e+04												
		-1.273e+04	-85.42	-0.03	0.0	51.0	0.76	248.10	1.67	-4.81	-0.01	86.82
						102.0	0.76	241.53	1.67	-4.81	85.40	
1.257e+04												
37	54	2.740e+04	66.14	0.01	-13.13	0.0	0.55	545.56	1.30	-9.20	-66.17	-
2.757e+04												
		-2.757e+04	-66.17	-0.05	0.0	51.0	0.55	539.00	1.30	-9.20	-0.01	83.18
						102.0	0.55	532.43	1.30	-9.20	66.14	
2.740e+04												
37	55	2.284e+04	90.39	-0.06	-13.13	0.0	0.59	-442.88	-1.77	10.34	90.39	
2.284e+04												
		-2.301e+04	-90.41	0.06	0.0	51.0	0.59	-449.45	-1.77	10.34	-0.01	81.74
						102.0	0.59	-456.01	-1.77	10.34	-90.41	-
2.301e+04												
37	56	4077.25	61.33	0.07	-13.13	0.0	0.39	-75.13	-1.20	4.47	61.33	
4077.25												
		-4255.61	-61.35	0.03	0.0	51.0	0.39	-81.69	-1.20	4.47	-8.28e-03	78.25
						102.0	0.39	-88.26	-1.20	4.47	-61.35	-
4255.61												
37	57	1.061e+04	61.24	-0.12	-13.13	0.0	0.76	216.24	1.20	-4.07	-61.27	-
1.077e+04												
		-1.077e+04	-61.27	-0.03	0.0	51.0	0.76	209.67	1.20	-4.07	-0.01	86.74
						102.0	0.76	203.11	1.20	-4.07	61.24	
1.061e+04												
37	58	2.936e+04	90.31	6.62e-03	-13.13	0.0	0.56	583.99	1.77	-9.93	-90.33	-
2.953e+04												
		-2.953e+04	-90.33	-0.05	0.0	51.0	0.56	577.42	1.77	-9.93	-9.95e-03	83.25
						102.0	0.56	570.86	1.77	-9.93	90.31	
2.936e+04												
37	59	2.616e+04	10.26	-0.25	-13.13	0.0	0.90	-508.02	0.20	9.57	-10.28	
2.616e+04												
		-2.632e+04	-10.28	0.04	0.0	51.0	0.90	-514.58	0.20	9.57	-7.42e-03	87.99
						102.0	0.90	-521.15	0.20	9.57	10.26	-
2.632e+04												
37	60	2.312e+04	53.91	0.21	-13.13	0.0	0.20	461.66	-1.06	-5.07	53.91	-
2.330e+04												
		-2.330e+04	-53.94	-0.02	0.0	51.0	0.20	455.09	-1.06	-5.07	-0.01	75.85
						102.0	0.20	448.52	-1.06	-5.07	-53.94	
2.312e+04												
37	61	1.660e+04	53.83	-0.27	-13.13	0.0	0.95	-320.55	1.06	5.47	-53.85	
1.660e+04												
		-1.676e+04	-53.85	0.02	0.0	51.0	0.95	-327.11	1.06	5.47	-8.02e-03	89.14
						102.0	0.95	-333.68	1.06	5.47	53.83	-
1.676e+04												
37	62	3.268e+04	10.34	0.20	-13.13	0.0	0.25	649.12	-0.20	-9.16	10.34	-
3.286e+04												
		-3.286e+04	-10.37	-0.04	0.0	51.0	0.25	642.56	-0.20	-9.16	-0.01	77.00
						102.0	0.25	635.99	-0.20	-9.16	-10.37	
3.268e+04												
37	63	2.643e+04	9.30	-0.25	-13.13	0.0	0.90	-513.15	0.18	9.68	-9.31	
2.643e+04												
		-2.659e+04	-9.31	0.05	0.0	51.0	0.90	-519.71	0.18	9.68	-7.47e-03	87.81
						102.0	0.90	-526.28	0.18	9.68	9.30	-
2.659e+04												
37	64	2.286e+04	54.88	0.21	-13.13	0.0	0.20	456.52	-1.08	-4.95	54.88	-
2.304e+04												
		-2.304e+04	-54.90	-0.02	0.0	51.0	0.20	449.96	-1.08	-4.95	-0.01	75.68
						102.0	0.20	443.39	-1.08	-4.95	-54.90	
2.286e+04												
37	65	1.634e+04	54.79	-0.27	-13.13	0.0	0.95	-315.41	1.07	5.36	-54.81	
1.634e+04												
		-1.650e+04	-54.81	0.02	0.0	51.0	0.95	-321.98	1.07	5.36	-7.97e-03	89.31
						102.0	0.95	-328.55	1.07	5.36	54.79	-
1.650e+04												
37	66	3.294e+04	9.38	0.19	-13.13	0.0	0.25	654.26	-0.18	-9.28	9.38	-
3.312e+04												
		-3.312e+04	-9.40	-0.04	0.0	51.0	0.25	647.69	-0.18	-9.28	-0.01	77.18

						102.0	0.25	641.13	-0.18	-9.28	-9.40	
3.294e+04												
37	67	3.270e+04	70.25	-0.24	-13.13	0.0	0.89	-636.10	-1.38	12.02	70.25	
3.270e+04												
		-3.286e+04	-70.27	0.05	0.0	51.0	0.89	-642.66	-1.38	12.02	-0.01	87.74
						102.0	0.89	-649.23	-1.38	12.02	-70.27	-
3.286e+04												
37	68	2.965e+04	26.60	0.19	-13.13	0.0	0.21	589.74	0.52	-7.52	-26.61	-
2.983e+04												
		-2.983e+04	-26.61	-0.02	0.0	51.0	0.21	583.17	0.52	-7.52	-6.67e-03	76.10
						102.0	0.21	576.61	0.52	-7.52	26.60	
2.965e+04												
37	69	2.314e+04	26.68	-0.25	-13.13	0.0	0.94	-448.63	-0.52	7.93	26.68	
2.314e+04												
		-2.329e+04	-26.70	0.03	0.0	51.0	0.94	-455.20	-0.52	7.93	-0.01	88.89
						102.0	0.94	-461.76	-0.52	7.93	-26.70	-
2.329e+04												
37	70	3.921e+04	70.17	0.18	-13.13	0.0	0.26	777.21	1.38	-11.62	-70.18	-
3.939e+04												
		-3.939e+04	-70.18	-0.04	0.0	51.0	0.26	770.64	1.38	-11.62	-7.27e-03	77.25
						102.0	0.26	764.07	1.38	-11.62	70.17	
3.921e+04												
37	71	3.296e+04	71.21	-0.24	-13.13	0.0	0.88	-641.23	-1.40	12.14	71.21	
3.296e+04												
		-3.312e+04	-71.24	0.05	0.0	51.0	0.88	-647.80	-1.40	12.14	-0.01	87.56
						102.0	0.88	-654.36	-1.40	12.14	-71.24	-
3.312e+04												
37	72	2.939e+04	25.64	0.20	-13.13	0.0	0.21	584.60	0.50	-7.41	-25.65	-
2.957e+04												
		-2.957e+04	-25.65	-0.02	0.0	51.0	0.21	578.04	0.50	-7.41	-6.72e-03	75.93
						102.0	0.21	571.47	0.50	-7.41	25.64	
2.939e+04												
37	73	2.287e+04	25.71	-0.25	-13.13	0.0	0.94	-443.50	-0.50	7.81	25.71	
2.287e+04												
		-2.303e+04	-25.74	0.02	0.0	51.0	0.94	-450.06	-0.50	7.81	-0.01	89.06
						102.0	0.94	-456.63	-0.50	7.81	-25.74	-
2.303e+04												
37	74	3.947e+04	71.13	0.18	-13.13	0.0	0.26	782.34	1.39	-11.73	-71.15	-
3.965e+04												
		-3.965e+04	-71.15	-0.05	0.0	51.0	0.26	775.77	1.39	-11.73	-7.22e-03	77.43
						102.0	0.26	769.21	1.39	-11.73	71.13	
3.947e+04												
37	75	1.597e+04	52.19	-0.07	-13.13	0.0	0.59	-308.30	-1.02	7.67	52.19	
1.597e+04												
		-1.614e+04	-52.21	0.04	0.0	51.0	0.59	-314.86	-1.02	7.67	-8.52e-03	82.42
						102.0	0.59	-321.43	-1.02	7.67	-52.21	-
1.614e+04												
37	76	3707.02	68.15	0.05	-13.13	0.0	0.42	-67.85	-1.34	4.04	68.15	
3707.02												
		-3883.05	-68.17	0.02	0.0	51.0	0.42	-74.41	-1.34	4.04	-9.65e-03	79.41
						102.0	0.42	-80.98	-1.34	4.04	-68.17	-
3883.05												
37	77	1.024e+04	68.06	-0.10	-13.13	0.0	0.73	208.95	1.33	-3.63	-68.08	-
1.040e+04												
		-1.040e+04	-68.08	-0.02	0.0	51.0	0.73	202.39	1.33	-3.63	-0.01	85.58
						102.0	0.73	195.82	1.33	-3.63	68.06	
1.024e+04												
37	78	2.250e+04	52.10	0.01	-13.13	0.0	0.55	449.40	1.02	-7.26	-52.13	-
2.267e+04												
		-2.267e+04	-52.13	-0.03	0.0	51.0	0.55	442.84	1.02	-7.26	-0.01	82.57
						102.0	0.55	436.27	1.02	-7.26	52.10	
2.250e+04												
37	79	1.759e+04	72.19	-0.06	-13.13	0.0	0.59	-340.05	-1.42	8.27	72.19	
1.759e+04												
		-1.776e+04	-72.21	0.04	0.0	51.0	0.59	-346.61	-1.42	8.27	-9.84e-03	82.36
						102.0	0.59	-353.18	-1.42	8.27	-72.21	-
1.776e+04												
37	80	2087.86	48.15	0.04	-13.13	0.0	0.42	-36.10	-0.94	3.43	48.15	
2087.86												
		-2263.77	-48.17	0.02	0.0	51.0	0.42	-42.66	-0.94	3.43	-8.33e-03	79.47
						102.0	0.42	-49.23	-0.94	3.43	-48.17	-
2263.77												

37	81	8620.71	48.06	-0.10	-13.13	0.0	0.72	177.21	0.94	-3.02	-48.08	-
8784.53												
		-8784.53	-48.08	-0.02	0.0	51.0	0.72	170.64	0.94	-3.02	-0.01	85.52
						102.0	0.72	164.07	0.94	-3.02	48.06	
8620.71												
37	82	2.412e+04	72.10	7.25e-03	-13.13	0.0	0.56	481.15	1.41	-7.87	-72.12	-
2.429e+04												
		-2.429e+04	-72.12	-0.03	0.0	51.0	0.56	474.59	1.41	-7.87	-0.01	82.63
						102.0	0.56	468.02	1.41	-7.87	72.10	
2.412e+04												
37	83	1.669e+04	54.82	-0.06	-13.13	0.0	0.59	-322.38	-1.08	7.98	54.82	
1.669e+04												
		-1.686e+04	-54.84	0.05	0.0	51.0	0.59	-328.94	-1.08	7.98	-8.69e-03	81.94
						102.0	0.59	-335.51	-1.08	7.98	-54.84	-
1.686e+04												
37	84	4424.68	70.77	0.05	-13.13	0.0	0.41	-81.93	-1.39	4.35	70.77	
4424.68												
		-4601.67	-70.79	0.03	0.0	51.0	0.41	-88.49	-1.39	4.35	-9.82e-03	78.93
						102.0	0.41	-95.06	-1.39	4.35	-70.79	-
4601.67												
37	85	1.096e+04	70.69	-0.11	-13.13	0.0	0.73	223.04	1.39	-3.94	-70.71	-
1.112e+04												
		-1.112e+04	-70.71	-0.03	0.0	51.0	0.73	216.47	1.39	-3.94	-0.01	86.06
						102.0	0.73	209.90	1.39	-3.94	70.69	
1.096e+04												
37	86	2.322e+04	54.73	4.59e-03	-13.13	0.0	0.56	463.49	1.07	-7.57	-54.76	-
2.339e+04												
		-2.339e+04	-54.76	-0.04	0.0	51.0	0.56	456.92	1.07	-7.57	-0.01	83.05
						102.0	0.56	450.35	1.07	-7.57	54.73	
2.322e+04												
37	87	1.831e+04	74.82	-0.06	-13.13	0.0	0.59	-354.13	-1.47	8.58	74.82	
1.831e+04												
		-1.848e+04	-74.84	0.05	0.0	51.0	0.59	-360.69	-1.47	8.58	-0.01	81.87
						102.0	0.59	-367.26	-1.47	8.58	-74.84	-
1.848e+04												
37	88	2805.52	50.78	0.05	-13.13	0.0	0.42	-50.18	-1.00	3.74	50.78	
2805.52												
		-2982.39	-50.79	0.03	0.0	51.0	0.42	-56.74	-1.00	3.74	-8.50e-03	78.99
						102.0	0.42	-63.31	-1.00	3.74	-50.79	-
2982.39												
37	89	9339.33	50.69	-0.11	-13.13	0.0	0.73	191.29	0.99	-3.33	-50.71	-
9502.18												
		-9502.18	-50.71	-0.03	0.0	51.0	0.73	184.72	0.99	-3.33	-0.01	86.00
						102.0	0.73	178.16	0.99	-3.33	50.69	
9339.33												
37	90	2.484e+04	74.73	3.71e-03	-13.13	0.0	0.56	495.23	1.47	-8.18	-74.75	-
2.501e+04												
		-2.501e+04	-74.75	-0.04	0.0	51.0	0.56	488.67	1.47	-8.18	-0.01	83.12
						102.0	0.56	482.10	1.47	-8.18	74.73	
2.484e+04												
37	91	2.105e+04	8.50	-0.22	-13.13	0.0	0.84	-407.78	0.17	7.95	-8.51	
2.105e+04												
		-2.121e+04	-8.51	0.04	0.0	51.0	0.84	-414.35	0.17	7.95	-7.86e-03	87.03
						102.0	0.84	-420.91	0.17	7.95	8.50	-
2.121e+04												
37	92	1.965e+04	44.66	0.17	-13.13	0.0	0.26	393.72	-0.88	-4.15	44.66	-
1.984e+04												
		-1.984e+04	-44.69	-0.02	0.0	51.0	0.26	387.15	-0.88	-4.15	-0.01	77.01
						102.0	0.26	380.58	-0.88	-4.15	-44.69	
1.965e+04												
37	93	1.314e+04	44.58	-0.23	-13.13	0.0	0.88	-252.61	0.87	4.56	-44.60	
1.314e+04												
		-1.330e+04	-44.60	0.02	0.0	51.0	0.88	-259.17	0.87	4.56	-8.43e-03	87.98
						102.0	0.88	-265.74	0.87	4.56	44.58	-
1.330e+04												
37	94	2.757e+04	8.58	0.16	-13.13	0.0	0.30	548.89	-0.17	-7.54	8.58	-
2.775e+04												
		-2.775e+04	-8.60	-0.03	0.0	51.0	0.30	542.32	-0.17	-7.54	-0.01	77.96
						102.0	0.30	535.76	-0.17	-7.54	-8.60	
2.757e+04												
37	95	2.127e+04	7.71	-0.21	-13.13	0.0	0.84	-412.01	0.15	8.04	-7.73	
2.127e+04												

		-2.143e+04	-7.73	0.04	0.0	51.0	0.84	-418.57	0.15	8.04	-7.91e-03	86.89
						102.0	0.84	-425.14	0.15	8.04	7.71	-
2.143e+04												
37	96	1.944e+04	45.45	0.17	-13.13	0.0	0.26	389.49	-0.89	-4.06	45.45	-
1.962e+04												
		-1.962e+04	-45.47	-0.01	0.0	51.0	0.26	382.93	-0.89	-4.06	-0.01	76.86
						102.0	0.26	376.36	-0.89	-4.06	-45.47	
1.944e+04												
37	97	1.292e+04	45.37	-0.23	-13.13	0.0	0.88	-248.38	0.89	4.46	-45.39	
1.292e+04												
		-1.308e+04	-45.39	0.02	0.0	51.0	0.88	-254.95	0.89	4.46	-8.38e-03	88.13
						102.0	0.88	-261.51	0.89	4.46	45.37	-
1.308e+04												
37	98	2.778e+04	7.79	0.16	-13.13	0.0	0.30	553.11	-0.15	-7.63	7.79	-
2.796e+04												
		-2.796e+04	-7.82	-0.03	0.0	51.0	0.30	546.55	-0.15	-7.63	-0.01	78.10
						102.0	0.30	539.98	-0.15	-7.63	-7.82	
2.778e+04												
37	99	2.645e+04	58.14	-0.20	-13.13	0.0	0.83	-513.61	-1.14	9.97	58.14	
2.645e+04												
		-2.661e+04	-58.17	0.04	0.0	51.0	0.83	-520.18	-1.14	9.97	-0.01	86.83
						102.0	0.83	-526.75	-1.14	9.97	-58.17	-
2.661e+04												
37	100	2.505e+04	21.98	0.16	-13.13	0.0	0.27	499.55	0.43	-6.18	-21.99	-
2.523e+04												
		-2.523e+04	-21.99	-0.02	0.0	51.0	0.27	492.98	0.43	-6.18	-7.24e-03	77.22
						102.0	0.27	486.41	0.43	-6.18	21.98	
2.505e+04												
37	101	1.854e+04	22.06	-0.21	-13.13	0.0	0.87	-358.44	-0.43	6.59	22.06	
1.854e+04												
		-1.869e+04	-22.09	0.02	0.0	51.0	0.87	-365.00	-0.43	6.59	-0.01	87.78
						102.0	0.87	-371.57	-0.43	6.59	-22.09	-
1.869e+04												
37	102	3.297e+04	58.06	0.14	-13.13	0.0	0.31	654.72	1.14	-9.57	-58.08	-
3.315e+04												
		-3.315e+04	-58.08	-0.04	0.0	51.0	0.31	648.16	1.14	-9.57	-7.81e-03	78.16
						102.0	0.31	641.59	1.14	-9.57	58.06	
3.297e+04												
37	103	2.666e+04	58.93	-0.20	-13.13	0.0	0.83	-517.84	-1.16	10.07	58.93	
2.666e+04												
		-2.683e+04	-58.96	0.04	0.0	51.0	0.83	-524.40	-1.16	10.07	-0.01	86.68
						102.0	0.83	-530.97	-1.16	10.07	-58.96	-
2.683e+04												
37	104	2.484e+04	21.19	0.16	-13.13	0.0	0.27	495.32	0.42	-6.09	-21.21	-
2.502e+04												
		-2.502e+04	-21.21	-0.02	0.0	51.0	0.27	488.76	0.42	-6.09	-7.29e-03	77.07
						102.0	0.27	482.19	0.42	-6.09	21.19	
2.484e+04												
37	105	1.832e+04	21.27	-0.21	-13.13	0.0	0.87	-354.21	-0.42	6.49	21.27	
1.832e+04												
		-1.848e+04	-21.30	0.02	0.0	51.0	0.87	-360.78	-0.42	6.49	-0.01	87.92
						102.0	0.87	-367.35	-0.42	6.49	-21.30	-
1.848e+04												
37	106	3.318e+04	58.85	0.14	-13.13	0.0	0.31	658.95	1.15	-9.66	-58.86	-
3.336e+04												
		-3.336e+04	-58.86	-0.04	0.0	51.0	0.31	652.38	1.15	-9.66	-7.76e-03	78.31
						102.0	0.31	645.81	1.15	-9.66	58.85	
3.318e+04												
38	1	-73.86	2.05	7.83e-03	-105.29	0.0	-24.74	65.43	-0.03	0.72	2.05	-
3327.01												
		-3327.01	-2.08	2.51e-03	0.0	80.0	-24.74	12.79	-0.03	0.72	-0.02	-
198.05												
						160.0	-24.74	-39.85	-0.03	0.72	-2.08	-
1280.56												
38	2	1362.70	15.97	0.04	-717.29	0.0	-14.88	421.94	-0.09	3.37	15.97	-
1.846e+04												
		-1.846e+04	1.95	8.76e-03	0.0	80.0	-14.88	63.30	-0.09	3.37	8.96	953.84
						160.0	-14.88	-295.34	-0.09	3.37	1.95	-
8327.79												
38	3	-83.18	1.31	5.39e-03	-69.44	0.0	-19.22	43.61	-0.02	0.50	1.31	-
2273.73												
		-2273.73	-1.68	1.82e-03	0.0	80.0	-19.22	8.89	-0.02	0.50	-0.18	-

174.09												
						160.0	-19.22	-25.83	-0.02	0.50	-1.68	-
852.05												
38	4	1358.82	15.23	0.04	-681.44	0.0	-9.35	400.12	-0.08	3.15	15.23	-
1.740e+04												
		-1.740e+04	2.35	8.06e-03	0.0	80.0	-9.35	59.40	-0.08	3.15	8.79977.81	
						160.0	-9.35	-281.32	-0.08	3.15	2.35	-
7899.28												
38	5	-68.28	1.46	5.75e-03	-75.97	0.0	-19.11	47.41	-0.02	0.53	1.46	-
2435.10												
		-2435.10	-1.63	1.88e-03	0.0	80.0	-19.11	9.42	-0.02	0.53	-0.09	-
161.80												
						160.0	-19.11	-28.56	-0.02	0.53	-1.63	-
927.22												
38	6	885.87	10.74	0.03	-483.97	0.0	-12.54	285.08	-0.06	2.30	10.74	-
1.252e+04												
		-1.252e+04	1.05	6.04e-03	0.0	80.0	-12.54	43.10	-0.06	2.30	5.90606.13	
						160.0	-12.54	-198.89	-0.06	2.30	1.05	-
5625.37												
38	7	-68.28	1.46	5.75e-03	-75.97	0.0	-19.11	47.41	-0.02	0.53	1.46	-
2435.10												
		-2435.10	-1.63	1.88e-03	0.0	80.0	-19.11	9.42	-0.02	0.53	-0.09	-
161.80												
						160.0	-19.11	-28.56	-0.02	0.53	-1.63	-
927.22												
38	8	592.72	7.96	0.02	-361.57	0.0	-14.51	213.78	-0.05	1.77	7.96	-
9495.29												
		-9495.29	0.25	4.80e-03	0.0	80.0	-14.51	33.00	-0.05	1.77	4.10375.75	
						160.0	-14.51	-147.79	-0.05	1.77	0.25	-
4215.93												
38	9	-68.28	1.46	5.75e-03	-75.97	0.0	-19.11	47.41	-0.02	0.53	1.46	-
2435.10												
		-2435.10	-1.63	1.88e-03	0.0	80.0	-19.11	9.42	-0.02	0.53	-0.09	-
161.80												
						160.0	-19.11	-28.56	-0.02	0.53	-1.63	-
927.22												
38	10	495.00	7.03	0.02	-320.77	0.0	-15.17	190.01	-0.04	1.59	7.03	-
8486.69												
		-8486.69	-0.02	4.38e-03	0.0	80.0	-15.17	29.63	-0.04	1.59	3.50298.96	
						160.0	-15.17	-130.76	-0.04	1.59	-0.02	-
3746.11												
38	11	-1.056e+04	42.42	0.03	-320.77	0.0	-1.77	33.70	-0.45	-1.41	42.42	-
2.072e+04												
		-2.072e+04	-36.64	-5.34e-03	0.0	80.0	-1.77	-126.68	-0.45	-1.41	2.89	-
1.099e+04												
						160.0	-1.77	-287.06	-0.45	-1.41	-36.64	-
1.409e+04												
38	12	-9191.59	84.27	0.02	-320.77	0.0	583.95	71.43	-0.66	-7.46	84.27	-
2.426e+04												
		-2.426e+04	-20.79	-0.03	0.0	80.0	583.95	-88.95	-0.66	-7.46	31.74	-
1.101e+04												
						160.0	583.95	-249.34	-0.66	-7.46	-20.79	-
1.058e+04												
38	13	1.177e+04	20.75	0.03	-320.77	0.0	-614.28	308.60	0.57	10.64	-70.22	
7285.89												
		3092.16	-70.22	0.04	0.0	80.0	-614.28	148.21	0.57	10.64	-24.74	
1.160e+04												
						160.0	-614.28	-12.17	0.57	10.64	20.75	
3092.16												
38	14	1.166e+04	36.60	0.02	-320.77	0.0	-28.57	346.32	0.36	4.59	-28.37	
3746.06												
		3746.06	-28.37	0.01	0.0	80.0	-28.57	185.94	0.36	4.59	4.12	
1.159e+04												
						160.0	-28.57	25.55	0.36	4.59	36.60	
6597.14												
38	15	-1.025e+04	44.77	0.03	-320.77	0.0	13.37	32.71	-0.46	-1.60	44.77	-
2.026e+04												
		-2.026e+04	-37.56	-5.74e-03	0.0	80.0	13.37	-127.67	-0.46	-1.60	3.60	-
1.064e+04												
						160.0	13.37	-288.06	-0.46	-1.60	-37.56	-
1.386e+04												
38	16	-9476.16	81.93	0.02	-320.77	0.0	568.81	72.42	-0.65	-7.27	81.93	-

2.472e+04												
		-2.472e+04	-19.86	-0.03	0.0	80.0	568.81	-87.96	-0.65	-7.27	31.03	-
1.135e+04												
						160.0	568.81	-248.35	-0.65	-7.27	-19.86	-
1.081e+04												
38	17	1.213e+04	19.82	0.03	-320.77	0.0	-599.15	307.60	0.56	10.45	-67.87	
7750.07												
		3316.86	-67.87	0.04	0.0	80.0	-599.15	147.22	0.56	10.45	-24.02	
1.195e+04												
						160.0	-599.15	-13.17	0.56	10.45	19.82	
3316.86												
38	18	1.134e+04	37.52	0.02	-320.77	0.0	-43.70	347.31	0.37	4.78	-30.71	
3281.88												
		3281.88	-30.71	0.01	0.0	80.0	-43.70	186.93	0.37	4.78	3.41	
1.124e+04												
						160.0	-43.70	26.55	0.37	4.78	37.52	
6372.44												
38	19	-1.093e+04	45.87	0.02	-320.77	0.0	13.38	28.13	-0.48	-1.54	45.87	-
2.134e+04												
		-2.134e+04	-38.55	-5.26e-03	0.0	80.0	13.38	-132.26	-0.48	-1.54	3.66	-
1.141e+04												
						160.0	13.38	-292.64	-0.48	-1.54	-38.55	-
1.430e+04												
38	20	-9504.57	87.72	0.02	-320.77	0.0	599.09	65.85	-0.69	-7.59	87.72	-
2.488e+04												
		-2.488e+04	-22.70	-0.03	0.0	80.0	599.09	-94.53	-0.69	-7.59	32.51	-
1.142e+04												
						160.0	599.09	-254.92	-0.69	-7.59	-22.70	-
1.079e+04												
38	21	1.221e+04	22.66	0.03	-320.77	0.0	-629.43	314.17	0.60	10.77	-73.66	
7910.02												
		3301.43	-73.66	0.04	0.0	80.0	-629.43	153.79	0.60	10.77	-25.50	
1.202e+04												
						160.0	-629.43	-6.59	0.60	10.77	22.66	
3301.43												
38	22	1.206e+04	38.51	0.02	-320.77	0.0	-43.71	351.90	0.39	4.72	-31.81	
4370.18												
		4370.18	-31.81	0.01	0.0	80.0	-43.71	191.51	0.39	4.72	3.35	
1.200e+04												
						160.0	-43.71	31.13	0.39	4.72	38.51	
6806.41												
38	23	-1.061e+04	48.21	0.03	-320.77	0.0	28.51	27.13	-0.49	-1.73	48.21	-
2.088e+04												
		-2.088e+04	-39.48	-5.67e-03	0.0	80.0	28.51	-133.25	-0.49	-1.73	4.37	-
1.106e+04												
						160.0	28.51	-293.63	-0.49	-1.73	-39.48	-
1.407e+04												
38	24	-9789.14	85.37	0.02	-320.77	0.0	583.96	66.84	-0.68	-7.40	85.37	-
2.535e+04												
		-2.535e+04	-21.77	-0.03	0.0	80.0	583.96	-93.54	-0.68	-7.40	31.80	-
1.177e+04												
						160.0	583.96	-253.92	-0.68	-7.40	-21.77	-
1.102e+04												
38	25	1.257e+04	21.73	0.03	-320.77	0.0	-614.29	313.18	0.59	10.59	-71.31	
8374.20												
		3526.13	-71.31	0.04	0.0	80.0	-614.29	152.80	0.59	10.59	-24.79	
1.237e+04												
						160.0	-614.29	-7.59	0.59	10.59	21.73	
3526.13												
38	26	1.173e+04	39.43	0.02	-320.77	0.0	-58.85	352.89	0.40	4.91	-34.16	
3906.00												
		3906.00	-34.16	0.01	0.0	80.0	-58.85	192.51	0.40	4.91	2.64	
1.166e+04												
						160.0	-58.85	32.12	0.40	4.91	39.43	
6581.71												
38	27	-2789.82	-35.05	0.04	-320.77	0.0	-899.48	85.90	0.16	9.87	-45.83	-
6787.77												
		-1.216e+04	-45.83	0.04	0.0	80.0	-899.48	-74.48	0.16	9.87	-40.44	-
3061.01												
						160.0	-899.48	-234.86	0.16	9.87	-35.05	-
1.216e+04												
38	28	61.82	93.68	5.08e-03	-320.77	0.0	1052.90	211.65	-0.55	-10.30	93.68	-

1.859e+04												
		-1.859e+04	17.79	-0.05	0.0	80.0	1052.90	51.27	-0.55	-10.30	55.73	-
3119.10												
						160.0	1052.90	-109.11	-0.55	-10.30	17.79	-
481.71												
38	29	4431.92	-17.83	0.04	-320.77	0.0	-1083.23	168.37	0.46	13.48	-79.62	
1613.83												
		-7010.52	-79.62	0.06	0.0	80.0	-1083.23	7.99	0.46	13.48	-48.73	
3717.02												
						160.0	-1083.23	-152.40	0.46	13.48	-17.83	-
7010.52												
38	30	5796.17	59.88	-2.02e-03	-320.77	0.0	869.14	294.12	-0.24	-6.69	59.88	-
1.019e+04												
		-1.019e+04	35.01	-0.03	0.0	80.0	869.14	133.74	-0.24	-6.69	47.45	
3658.93												
						160.0	869.14	-26.65	-0.24	-6.69	35.01	
4672.75												
38	31	-2930.39	-35.62	0.04	-320.77	0.0	-894.93	84.23	0.15	9.83	-44.79	-
6975.01												
		-1.223e+04	-44.79	0.04	0.0	80.0	-894.93	-76.15	0.15	9.83	-40.21	-
3186.02												
						160.0	-894.93	-236.54	0.15	9.83	-35.62	-
1.223e+04												
38	32	-16.51	94.71	5.11e-03	-320.77	0.0	1057.44	209.98	-0.56	-10.34	94.71	-
1.877e+04												
		-1.877e+04	17.22	-0.05	0.0	80.0	1057.44	49.60	-0.56	-10.34	55.96	-
3244.11												
						160.0	1057.44	-110.79	-0.56	-10.34	17.22	-
544.49												
38	33	4580.27	-17.26	0.04	-320.77	0.0	-1087.77	170.05	0.47	13.52	-80.65	
1801.07												
		-6947.74	-80.65	0.06	0.0	80.0	-1087.77	9.66	0.47	13.52	-48.96	
3842.03												
						160.0	-1087.77	-150.72	0.47	13.52	-17.26	-
6947.74												
38	34	5882.28	58.85	2.32e-03	-320.77	0.0	864.60	295.79	-0.24	-6.65	58.85	-
9998.38												
		-9998.38	35.58	-0.03	0.0	80.0	864.60	135.41	-0.24	-6.65	47.22	
3783.94												
						160.0	864.60	-24.97	-0.24	-6.65	35.58	
4735.53												
38	35	-1541.90	-38.01	0.04	-320.77	0.0	-849.03	82.59	0.11	9.24	-38.01	-
5240.50												
		-1.142e+04	-38.13	0.04	0.0	80.0	-849.03	-77.79	0.11	9.24	-38.07	-
1912.88												
						160.0	-849.03	-238.17	0.11	9.24	-38.13	-
1.142e+04												
38	36	-786.96	85.85	5.31e-03	-320.77	0.0	1002.45	214.96	-0.51	-9.67	85.85	-
2.013e+04												
		-2.013e+04	20.87	-0.05	0.0	80.0	1002.45	54.58	-0.51	-9.67	53.36	-
4267.24												
						160.0	1002.45	-105.80	-0.51	-9.67	20.87	-
1230.71												
38	37	5729.73	-20.92	0.04	-320.77	0.0	-1032.78	165.06	0.42	12.86	-71.80	
3161.10												
		-6261.51	-71.80	0.05	0.0	80.0	-1032.78	4.68	0.42	12.86	-46.36	
4865.15												
						160.0	-1032.78	-155.71	0.42	12.86	-20.92	-
6261.51												
38	38	4897.49	52.06	-2.80e-03	-320.77	0.0	818.69	297.43	-0.20	-6.06	52.06	-
1.173e+04												
		-1.173e+04	38.09	-0.03	0.0	80.0	818.69	137.05	-0.20	-6.06	45.08	
2510.79												
						160.0	818.69	-23.34	-0.20	-6.06	38.09	
3923.75												
38	39	-1682.47	-36.97	0.04	-320.77	0.0	-844.49	80.92	0.11	9.20	-36.97	-
5427.74												
		-1.148e+04	-38.70	0.04	0.0	80.0	-844.49	-79.46	0.11	9.20	-37.84	-
2037.88												
						160.0	-844.49	-239.85	0.11	9.20	-38.70	-
1.148e+04												
38	40	-865.30	86.89	5.35e-03	-320.77	0.0	1006.99	213.29	-0.52	-9.71	86.89	-

2.032e+04												
		-2.032e+04	20.30	-0.05	0.0	80.0	1006.99	52.91	-0.52	-9.71	53.59	-
4392.25												
						160.0	1006.99	-107.48	-0.52	-9.71	20.30	-
1293.49												
38	41	5878.08	-20.34	0.04	-320.77	0.0	-1037.33	166.73	0.43	12.90	-72.83	
3348.34												
		-6198.73	-72.83	0.05	0.0	80.0	-1037.33	6.35	0.43	12.90	-46.59	
4990.16												
						160.0	-1037.33	-154.03	0.43	12.90	-20.34	-
6198.73												
38	42	4983.60	51.03	-2.71e-03	-320.77	0.0	814.15	299.11	-0.19	-6.02	51.03	-
1.155e+04												
		-1.155e+04	38.66	-0.03	0.0	80.0	814.15	138.72	-0.19	-6.02	44.85	
2635.80												
						160.0	814.15	-21.66	-0.19	-6.02	38.66	
3986.53												
38	43	-8183.96	35.08	0.02	-320.77	0.0	-5.42	67.46	-0.36	-0.79	35.08	-
1.813e+04												
		-1.813e+04	-28.76	-3.25e-03	0.0	80.0	-5.42	-92.92	-0.36	-0.79	3.16	-
8570.02												
						160.0	-5.42	-253.31	-0.36	-0.79	-28.76	-
1.184e+04												
38	44	-7233.60	68.17	0.02	-320.77	0.0	458.74	96.69	-0.53	-5.57	68.17	-
2.088e+04												
		-2.088e+04	-16.37	-0.02	0.0	80.0	458.74	-63.70	-0.53	-5.57	25.90	-
8575.98												
						160.0	458.74	-224.08	-0.53	-5.57	-16.37	-
9098.90												
38	45	9217.63	16.33	0.03	-320.77	0.0	-489.08	283.34	0.44	8.75	-54.12	
3910.39												
		1606.67	-54.12	0.03	0.0	80.0	-489.08	122.96	0.44	8.75	-18.90	
9173.89												
						160.0	-489.08	-37.43	0.44	8.75	16.33	
1606.67												
38	46	9266.76	28.72	0.02	-320.77	0.0	-24.91	312.56	0.28	3.97	-21.02	
1160.05												
		1160.05	-21.02	0.01	0.0	80.0	-24.91	152.18	0.28	3.97	3.85	
9167.93												
						160.0	-24.91	-8.20	0.28	3.97	28.72	
4345.09												
38	47	-7929.94	36.95	0.02	-320.77	0.0	6.57	66.72	-0.37	-0.93	36.95	-
1.776e+04												
		-1.776e+04	-29.51	-3.58e-03	0.0	80.0	6.57	-93.66	-0.37	-0.93	3.72	-
8293.05												
						160.0	6.57	-254.04	-0.37	-0.93	-29.51	-
1.165e+04												
38	48	-7464.67	66.31	0.02	-320.77	0.0	446.75	97.42	-0.52	-5.42	66.31	-
2.125e+04												
		-2.125e+04	-15.62	-0.02	0.0	80.0	446.75	-62.96	-0.52	-5.42	25.34	-
8852.94												
						160.0	446.75	-223.35	-0.52	-5.42	-15.62	-
9284.07												
38	49	9506.07	15.58	0.03	-320.77	0.0	-477.08	282.60	0.43	8.61	-52.25	
4279.14												
		1791.85	-52.25	0.03	0.0	80.0	-477.08	122.22	0.43	8.61	-18.34	
9450.86												
						160.0	-477.08	-38.17	0.43	8.61	15.58	
1791.85												
38	50	9001.27	29.47	0.02	-320.77	0.0	-36.90	313.30	0.29	4.12	-22.89	791.30
		791.30	-22.89	0.01	0.0	80.0	-36.90	152.92	0.29	4.12	3.29	
8890.97												
						160.0	-36.90	-7.47	0.29	4.12	29.47	
4159.92												
38	51	-8457.99	37.81	0.02	-320.77	0.0	6.32	63.19	-0.39	-0.89	37.81	-
1.862e+04												
		-1.862e+04	-30.21	-3.20e-03	0.0	80.0	6.32	-97.19	-0.39	-0.89	3.80	-
8886.79												
						160.0	6.32	-257.58	-0.39	-0.89	-30.21	-
1.198e+04												
38	52	-7464.87	70.90	0.02	-320.77	0.0	470.49	92.41	-0.55	-5.68	70.90	-
2.137e+04												

		-2.137e+04	-17.82	-0.02	0.0	80.0	470.49	-67.97	-0.55	-5.68	26.54	-8892.75
						160.0	470.49	-228.35	-0.55	-5.68	-17.82	-9244.66
38	53	9555.79	17.78	0.03	-320.77	0.0	-500.82	287.61	0.47	8.86	-56.85	4398.18
		1752.44	-56.85	0.03	0.0	80.0	-500.82	127.23	0.47	8.86	-19.53	9490.67
						160.0	-500.82	-33.16	0.47	8.86	17.78	1752.44
38	54	9562.16	30.17	0.02	-320.77	0.0	-36.66	316.84	0.30	4.07	-23.76	1647.84
		1647.84	-23.76	0.01	0.0	80.0	-36.66	156.45	0.30	4.07	3.21	9484.71
						160.0	-36.66	-3.93	0.30	4.07	30.17	4490.86
38	55	-8203.97	39.68	0.02	-320.77	0.0	18.32	62.45	-0.40	-1.04	39.68	-1.825e+04
		-1.825e+04	-30.96	-3.54e-03	0.0	80.0	18.32	-97.93	-0.40	-1.04	4.36	-8609.83
						160.0	18.32	-258.31	-0.40	-1.04	-30.96	-1.180e+04
38	56	-7695.94	69.04	0.02	-320.77	0.0	458.49	93.15	-0.54	-5.53	69.04	-2.174e+04
		-2.174e+04	-17.07	-0.02	0.0	80.0	458.49	-67.23	-0.54	-5.53	25.98	-9169.72
						160.0	458.49	-227.62	-0.54	-5.53	-17.07	-9429.84
38	57	9844.23	17.03	0.03	-320.77	0.0	-488.83	286.87	0.46	8.71	-54.98	4766.93
		1937.62	-54.98	0.03	0.0	80.0	-488.83	126.49	0.46	8.71	-18.98	9767.63
						160.0	-488.83	-33.89	0.46	8.71	17.03	1937.62
38	58	9296.67	30.92	0.02	-320.77	0.0	-48.65	317.57	0.31	4.22	-25.62	1279.09
		1279.09	-25.62	0.01	0.0	80.0	-48.65	157.19	0.31	4.22	2.65	9207.74
						160.0	-48.65	-3.20	0.31	4.22	30.92	4305.68
38	59	-2258.10	-27.44	0.03	-320.77	0.0	-716.23	108.92	0.11	8.13	-34.75	-7209.38
		-1.033e+04	-34.75	0.03	0.0	80.0	-716.23	-51.46	0.11	8.13	-31.09	-2352.70
						160.0	-716.23	-211.85	0.11	8.13	-27.44	-1.033e+04
38	60	-135.28	75.56	5.70e-03	-320.77	0.0	830.99	206.34	-0.44	-7.81	75.56	-1.638e+04
		-1.638e+04	13.87	-0.04	0.0	80.0	830.99	45.96	-0.44	-7.81	44.72	-2372.56
						160.0	830.99	-114.43	-0.44	-7.81	13.87	-1198.68
38	61	3281.68	-13.91	0.03	-320.77	0.0	-861.32	173.69	0.35	10.99	-61.51	-596.23
		-6293.54	-61.51	0.05	0.0	80.0	-861.32	13.30	0.35	10.99	-37.71	2970.47
						160.0	-861.32	-147.08	0.35	10.99	-13.91	-6293.54
38	62	4496.41	48.80	5.40e-03	-320.77	0.0	685.89	271.10	-0.20	-4.95	48.80	-9764.01
		-9764.01	27.40	-0.03	0.0	80.0	685.89	110.72	-0.20	-4.95	38.10	2950.61
						160.0	685.89	-49.66	-0.20	-4.95	27.40	2834.52
38	63	-2359.55	-27.87	0.03	-320.77	0.0	-712.70	107.64	0.10	8.10	-33.93	-7355.71
		-1.037e+04	-33.93	0.03	0.0	80.0	-712.70	-52.74	0.10	8.10	-30.90	-2447.73
						160.0	-712.70	-213.13	0.10	8.10	-27.87	-1.037e+04
38	64	-198.25	76.38	5.69e-03	-320.77	0.0	834.51	205.06	-0.45	-7.85	76.38	-1.652e+04

		-1.652e+04	13.44	-0.04	0.0	80.0	834.51	44.67	-0.45	-7.85	44.91	-2467.59
						160.0	834.51	-115.71	-0.45	-7.85	13.44	-1242.41
38	65	3389.54	-13.48	0.03	-320.77	0.0	-864.85	174.97	0.36	11.03	-62.32	-449.89
		-6249.81	-62.32	0.05	0.0	80.0	-864.85	14.58	0.36	11.03	-37.90	3065.51
						160.0	-864.85	-145.80	0.36	11.03	-13.48	-6249.81
38	66	4565.79	47.98	5.67e-03	-320.77	0.0	682.37	272.38	-0.19	-4.92	47.98	-9617.67
		-9617.67	27.83	-0.03	0.0	80.0	682.37	112.00	-0.19	-4.92	37.91	3045.65
						160.0	682.37	-48.38	-0.19	-4.92	27.83	-2878.25
38	67	-1296.64	-28.52	0.04	-320.77	0.0	-676.25	106.47	0.08	7.64	-28.52	-5980.19
		-9709.49	-29.94	0.03	0.0	80.0	-676.25	-53.92	0.08	7.64	-29.23	-1429.48
						160.0	-676.25	-214.30	0.08	7.64	-29.94	-9709.49
38	68	-867.28	69.33	5.80e-03	-320.77	0.0	791.01	208.79	-0.41	-7.32	69.33	-1.761e+04
		-1.761e+04	16.37	-0.04	0.0	80.0	791.01	48.41	-0.41	-7.32	42.85	-3295.78
						160.0	791.01	-111.97	-0.41	-7.32	16.37	-1815.93
38	69	4281.39	-16.41	0.04	-320.77	0.0	-821.34	171.23	0.32	10.50	-55.28	632.96
		-5676.29	-55.28	0.04	0.0	80.0	-821.34	10.85	0.32	10.50	-35.84	3893.69
						160.0	-821.34	-149.54	0.32	10.50	-16.41	-5676.29
38	70	3726.17	42.58	3.08e-03	-320.77	0.0	645.91	273.56	-0.17	-4.46	42.58	-1.099e+04
		-1.099e+04	29.90	-0.02	0.0	80.0	645.91	113.17	-0.17	-4.46	36.24	2027.40
						160.0	645.91	-47.21	-0.17	-4.46	29.90	-2217.26
38	71	-1398.08	-27.70	0.03	-320.77	0.0	-672.72	105.19	0.07	7.61	-27.70	-6126.53
		-9753.22	-30.37	0.03	0.0	80.0	-672.72	-55.20	0.07	7.61	-29.04	-1524.51
						160.0	-672.72	-215.58	0.07	7.61	-30.37	-9753.22
38	72	-930.24	70.15	5.81e-03	-320.77	0.0	794.53	207.51	-0.41	-7.35	70.15	-1.775e+04
		-1.775e+04	15.93	-0.04	0.0	80.0	794.53	47.13	-0.41	-7.35	43.04	-3390.81
						160.0	794.53	-113.25	-0.41	-7.35	15.93	-1859.66
38	73	4389.25	-15.98	0.04	-320.77	0.0	-824.87	172.51	0.33	10.54	-56.10	779.29
		-5632.56	-56.10	0.04	0.0	80.0	-824.87	12.13	0.33	10.54	-36.04	3988.73
						160.0	-824.87	-148.26	0.33	10.54	-15.98	-5632.56
38	74	3795.55	41.76	3.34e-03	-320.77	0.0	642.39	274.84	-0.16	-4.43	41.76	-1.085e+04
		-1.085e+04	30.33	-0.02	0.0	80.0	642.39	114.46	-0.16	-4.43	36.04	2122.43
						160.0	642.39	-45.93	-0.16	-4.43	30.33	-2260.99
38	75	-6691.91	30.21	0.02	-320.77	0.0	-6.87	88.57	-0.31	-0.37	30.21	-1.647e+04
		-1.647e+04	-23.81	-1.93e-03	0.0	80.0	-6.87	-71.82	-0.31	-0.37	3.20	-7042.82
						160.0	-6.87	-232.20	-0.31	-0.37	-23.81	-1.045e+04
38	76	-5970.58	57.56	0.02	-320.77	0.0	376.72	112.77	-0.45	-4.33	57.56	-1.874e+04
		-1.874e+04	-13.55	-0.02	0.0	80.0	376.72	-47.62	-0.45	-4.33	22.00	-7047.96

						160.0	376.72	-208.00	-0.45	-4.33	-13.55	-8184.55
38	77	7645.87	13.51	0.03	-320.77	0.0	-407.06	267.26	0.36	7.51	-43.51	1768.70
		692.33	-43.51	0.03	0.0	80.0	-407.06	106.88	0.36	7.51	-15.00	7645.87
						160.0	-407.06	-53.51	0.36	7.51	13.51	692.33
38	78	7757.13	23.76	0.02	-320.77	0.0	-23.46	291.46	0.22	3.56	-16.15	-507.75
		-507.75	-16.15	0.01	0.0	80.0	-23.46	131.08	0.22	3.56	3.81	7640.73
						160.0	-23.46	-29.31	0.22	3.56	23.76	2958.50
38	79	-6482.38	31.75	0.02	-320.77	0.0	3.04	87.95	-0.32	-0.50	31.75	-1.616e+04
		-1.616e+04	-24.42	-2.20e-03	0.0	80.0	3.04	-72.43	-0.32	-0.50	3.67	-6814.25
						160.0	3.04	-232.82	-0.32	-0.50	-24.42	-1.030e+04
38	80	-6170.60	56.02	0.02	-320.77	0.0	366.81	113.38	-0.44	-4.21	56.02	-1.905e+04
		-1.905e+04	-12.94	-0.02	0.0	80.0	366.81	-47.01	-0.44	-4.21	21.54	-7276.52
						160.0	366.81	-207.39	-0.44	-4.21	-12.94	-8337.00
38	81	7874.44	12.90	0.03	-320.77	0.0	-397.15	266.65	0.35	7.39	-41.96	2073.38
		844.77	-41.96	0.03	0.0	80.0	-397.15	106.26	0.35	7.39	-14.53	7874.44
						160.0	-397.15	-54.12	0.35	7.39	12.90	844.77
38	82	7538.09	24.38	0.02	-320.77	0.0	-33.37	292.07	0.23	3.68	-17.70	-812.43
		-812.43	-17.70	0.01	0.0	80.0	-33.37	131.69	0.23	3.68	3.34	7412.17
						160.0	-33.37	-28.70	0.23	3.68	24.38	2806.05
38	83	-6918.13	32.47	0.02	-320.77	0.0	2.81	85.04	-0.33	-0.46	32.47	-1.687e+04
		-1.687e+04	-25.01	-1.89e-03	0.0	80.0	2.81	-75.35	-0.33	-0.46	3.73	-7304.42
						160.0	2.81	-235.73	-0.33	-0.46	-25.01	-1.057e+04
38	84	-6179.10	59.82	0.02	-320.77	0.0	386.41	109.24	-0.47	-4.42	59.82	-1.915e+04
		-1.915e+04	-14.76	-0.02	0.0	80.0	386.41	-51.15	-0.47	-4.42	22.53	-7309.56
						160.0	386.41	-211.53	-0.47	-4.42	-14.76	-8304.61
38	85	7907.47	14.72	0.03	-320.77	0.0	-416.75	270.79	0.38	7.60	-45.76	2171.84
		812.38	-45.76	0.03	0.0	80.0	-416.75	110.40	0.38	7.60	-15.52	7907.47
						160.0	-416.75	-49.98	0.38	7.60	14.72	812.38
38	86	8001.04	24.97	0.02	-320.77	0.0	-33.15	294.99	0.24	3.64	-18.41	-104.61
		-104.61	-18.41	0.01	0.0	80.0	-33.15	134.60	0.24	3.64	3.28	7902.33
						160.0	-33.15	-25.78	0.24	3.64	24.97	3078.56
38	87	-6708.59	34.01	0.02	-320.77	0.0	12.72	84.43	-0.34	-0.58	34.01	-1.656e+04
		-1.656e+04	-25.63	-2.16e-03	0.0	80.0	12.72	-75.96	-0.34	-0.58	4.19	-7075.85
						160.0	12.72	-236.34	-0.34	-0.58	-25.63	-1.042e+04
38	88	-6379.12	58.28	0.02	-320.77	0.0	376.50	109.85	-0.46	-4.29	58.28	-1.945e+04
		-1.945e+04	-14.14	-0.02	0.0	80.0	376.50	-50.53	-0.46	-4.29	22.07	-7538.12
						160.0	376.50	-210.92	-0.46	-4.29	-14.14	-8457.05
38	89	8136.04	14.10	0.03	-320.77	0.0	-406.83	270.18	0.37	7.47	-44.22	

2476.52												
		964.83	-44.22	0.03	0.0	80.0	-406.83	109.79	0.37	7.47	-15.06	
8136.04												
						160.0	-406.83	-50.59	0.37	7.47	14.10	964.83
38	90	7781.99	25.59	0.02	-320.77	0.0	-43.06	295.60	0.25	3.76	-19.95	-
409.29												
		-409.29	-19.95	0.01	0.0	80.0	-43.06	135.22	0.25	3.76	2.82	
7673.77												
						160.0	-43.06	-25.17	0.25	3.76	25.59	
2926.11												
38	91	-1885.60	-22.70	0.03	-320.77	0.0	-594.47	122.88	0.08	7.00	-27.50	-
7427.76												
		-9194.53	-27.50	0.03	0.0	80.0	-594.47	-37.51	0.08	7.00	-25.10	-
1895.78												
						160.0	-594.47	-197.89	0.08	7.00	-22.70	-
9194.53												
38	92	-172.92	63.67	6.49e-03	-320.77	0.0	684.19	203.54	-0.37	-6.18	63.67	-
1.502e+04												
		-1.502e+04	11.47	-0.03	0.0	80.0	684.19	43.16	-0.37	-6.18	37.57	-
1912.91												
						160.0	684.19	-117.23	-0.37	-6.18	11.47	-
1640.61												
38	93	2653.97	-11.51	0.03	-320.77	0.0	-714.52	176.48	0.28	9.36	-49.62	-
1957.46												
		-5851.61	-49.62	0.04	0.0	80.0	-714.52	16.10	0.28	9.36	-30.56	
2510.83												
						160.0	-714.52	-144.28	0.28	9.36	-11.51	-
5851.61												
38	94	3701.84	41.56	7.77e-03	-320.77	0.0	564.13	257.15	-0.17	-3.82	41.56	-
9545.63												
		-9545.63	22.66	-0.02	0.0	80.0	564.13	96.77	-0.17	-3.82	32.11	
2493.70												
						160.0	564.13	-63.62	-0.17	-3.82	22.66	
1702.30												
38	95	-1969.39	-23.06	0.03	-320.77	0.0	-591.56	121.82	0.08	6.97	-26.82	-
7548.70												
		-9230.54	-26.82	0.03	0.0	80.0	-591.56	-38.57	0.08	6.97	-24.94	-
1974.26												
						160.0	-591.56	-198.95	0.08	6.97	-23.06	-
9230.54												
38	96	-230.17	64.35	6.45e-03	-320.77	0.0	687.10	202.48	-0.38	-6.21	64.35	-
1.514e+04												
		-1.514e+04	11.11	-0.03	0.0	80.0	687.10	42.10	-0.38	-6.21	37.73	-
1991.39												
						160.0	687.10	-118.28	-0.38	-6.21	11.11	-
1676.63												
38	97	2737.76	-11.15	0.03	-320.77	0.0	-717.43	177.54	0.29	9.39	-50.29	-
1836.51												
		-5815.59	-50.29	0.04	0.0	80.0	-717.43	17.16	0.29	9.39	-30.72	
2589.31												
						160.0	-717.43	-143.23	0.29	9.39	-11.15	-
5815.59												
38	98	3763.08	40.88	7.99e-03	-320.77	0.0	561.23	258.21	-0.17	-3.79	40.88	-
9424.68												
		-9424.68	23.02	-0.02	0.0	80.0	561.23	97.82	-0.17	-3.79	31.95	
2572.18												
						160.0	561.23	-62.56	-0.17	-3.79	23.02	
1738.32												
38	99	-1092.01	-22.36	0.03	-320.77	0.0	-561.43	120.83	0.06	6.59	-22.36	-
6412.16												
		-8686.37	-24.76	0.03	0.0	80.0	-561.43	-39.55	0.06	6.59	-23.56	-
1133.91												
						160.0	-561.43	-199.93	0.06	6.59	-24.76	-
8686.37												
38	100	-807.94	58.53	6.36e-03	-320.77	0.0	651.15	205.58	-0.34	-5.78	58.53	-
1.603e+04												
		-1.603e+04	13.53	-0.03	0.0	80.0	651.15	45.20	-0.34	-5.78	36.03	-
2674.79												
						160.0	651.15	-115.19	-0.34	-5.78	13.53	-
2148.77												
38	101	3447.56	-13.57	0.03	-320.77	0.0	-681.49	174.44	0.26	8.96	-44.47	-
941.86												

		-5343.45	-44.47	0.04	0.0	80.0	-681.49	14.06	0.26	8.96	-29.02	3272.70
						160.0	-681.49	-146.33	0.26	8.96	-13.57	-5343.45
38	102	3066.82	36.41	5.85e-03	-320.77	0.0	531.10	259.19	-0.15	-3.41	36.41	-1.056e+04
		-1.056e+04	24.72	-0.02	0.0	80.0	531.10	98.81	-0.15	-3.41	30.57	1731.82
						160.0	531.10	-61.58	-0.15	-3.41	24.72	-1194.14
38	103	-1175.80	-21.68	0.03	-320.77	0.0	-558.53	119.78	0.05	6.57	-21.68	6533.11
		-8722.39	-25.13	0.03	0.0	80.0	-558.53	-40.61	0.05	6.57	-23.40	1212.39
						160.0	-558.53	-200.99	0.05	6.57	-25.13	8722.39
38	104	-865.19	59.20	6.35e-03	-320.77	0.0	654.06	204.52	-0.35	-5.80	59.20	-1.615e+04
		-1.615e+04	13.17	-0.03	0.0	80.0	654.06	44.14	-0.35	-5.80	36.19	2753.27
						160.0	654.06	-116.24	-0.35	-5.80	13.17	-2184.79
38	105	3531.35	-13.21	0.03	-320.77	0.0	-684.39	175.50	0.26	8.98	-45.15	820.92
		-5307.44	-45.15	0.04	0.0	80.0	-684.39	15.12	0.26	8.98	-29.18	3351.18
						160.0	-684.39	-145.27	0.26	8.98	-13.21	-5307.44
38	106	3124.07	35.74	6.07e-03	-320.77	0.0	528.19	260.25	-0.14	-3.39	35.74	-1.044e+04
		-1.044e+04	25.08	-0.02	0.0	80.0	528.19	99.87	-0.14	-3.39	30.41	1810.30
						160.0	528.19	-60.52	-0.14	-3.39	25.08	-1230.16
39	1	-3.28	0.42	5.19e-04	-13.16	0.0	-0.41	-14.79	-0.04	12.16	0.42	-3.28
		-430.78	-0.48	9.68e-04	0.0	10.0	-0.41	-21.38	-0.04	12.16	-0.03	-184.13
						20.0	-0.41	-27.96	-0.04	12.16	-0.48	-430.78
39	2	-15.52	5.87	-4.75e-03	-89.66	0.0	-1.86	-15.43	0.25	44.52	0.89	-15.52
		-1220.67	0.89	8.79e-04	0.0	10.0	-1.86	-60.26	0.25	44.52	3.38	-393.94
						20.0	-1.86	-105.09	0.25	44.52	5.87	-1220.67
39	3	-2.29	0.31	4.99e-04	-8.68	0.0	-0.29	-11.37	-0.04	8.75	0.31	-2.29
		-316.47	-0.49	7.46e-04	0.0	10.0	-0.29	-15.71	-0.04	8.75	-0.09	-137.68
						20.0	-0.29	-20.05	-0.04	8.75	-0.49	-316.47
39	4	-14.53	5.86	-4.77e-03	-85.18	0.0	-1.74	-12.00	0.25	41.10	0.78	-14.53
		-1106.35	0.78	6.58e-04	0.0	10.0	-1.74	-54.59	0.25	41.10	3.32	-347.49
						20.0	-1.74	-97.18	0.25	41.10	5.86	-1106.35
39	5	-2.42	0.32	4.42e-04	-9.50	0.0	-0.31	-11.38	-0.04	9.09	0.32	-2.42
		-324.89	-0.42	7.45e-04	0.0	10.0	-0.31	-16.12	-0.04	9.09	-0.05	-139.92
						20.0	-0.31	-20.87	-0.04	9.09	-0.42	-324.89
39	6	-10.58	3.81	-3.07e-03	-60.50	0.0	-1.27	-11.80	0.16	30.66	0.63	-10.58
		-851.48	0.63	6.86e-04	0.0	10.0	-1.27	-42.05	0.16	30.66	2.22	-279.79
						20.0	-1.27	-72.29	0.16	30.66	3.81	-851.48
39	7	-2.42	0.32	4.42e-04	-9.50	0.0	-0.31	-11.38	-0.04	9.09	0.32	-2.42
		-324.89	-0.42	7.45e-04	0.0	10.0	-0.31	-16.12	-0.04	9.09	-0.05	-139.92
						20.0	-0.31	-20.87	-0.04	9.09	-0.42	-324.89
39	8	-8.13	2.54	-2.02e-03	-45.20	0.0	-0.98	-11.67	0.10	24.19	0.54	-8.13
		-693.50	0.54	7.04e-04	0.0	10.0	-0.98	-34.27	0.10	24.19	1.54	-237.83

						20.0	-0.98	-56.87	0.10	24.19	2.54	-
693.50												
39	9	-2.42	0.32	4.42e-04	-9.50	0.0	-0.31	-11.38	-0.04	9.09	0.32	-2.42
		-324.89	-0.42	7.45e-04	0.0	10.0	-0.31	-16.12	-0.04	9.09	-0.05	-
139.92												
						20.0	-0.31	-20.87	-0.04	9.09	-0.42	-
324.89												
39	10	-7.32	2.12	-1.66e-03	-40.10	0.0	-0.88	-11.63	0.08	22.03	0.51	-7.32
		-640.84	0.51	7.10e-04	0.0	10.0	-0.88	-31.68	0.08	22.03	1.31	-
223.84												
						20.0	-0.88	-51.72	0.08	22.03	2.12	-
640.84												
39	11	-5.42	18.82	0.01	-40.10	0.0	-2.80	-8.32	-4.43	-24.03	18.82	-5.42
		-571.55	-69.85	0.09	0.0	10.0	-2.80	-28.37	-4.43	-24.03	-25.51	-
188.25												
						20.0	-2.80	-48.41	-4.43	-24.03	-69.85	-
571.55												
39	12	-14.91	8.72	-0.02	-40.10	0.0	-4.01	-9.03	-1.55	14.93	8.72	-14.91
		-591.36	-22.26	-0.05	0.0	10.0	-4.01	-29.08	-1.55	14.93	-6.77	-
202.89												
						20.0	-4.01	-49.12	-1.55	14.93	-22.26	-
591.36												
39	13	0.28	26.50	0.02	-40.10	0.0	2.24	-14.23	1.71	29.13	-7.71	0.28
		-690.33	-7.71	0.06	0.0	10.0	2.24	-34.28	1.71	29.13	9.40	-
244.79												
						20.0	2.24	-54.33	1.71	29.13	26.50	-
690.33												
39	14	-9.22	74.09	-0.02	-40.10	0.0	1.03	-14.94	4.59	68.10	-17.81	-9.22
		-710.13	-17.81	-0.09	0.0	10.0	1.03	-34.99	4.59	68.10	28.14	-
259.43												
						20.0	1.03	-55.03	4.59	68.10	74.09	-
710.13												
39	15	-5.06	20.22	0.01	-40.10	0.0	-2.52	-8.15	-4.76	-26.82	20.22	-5.06
		-568.08	-75.00	0.03	0.0	10.0	-2.52	-28.20	-4.76	-26.82	-27.39	-
186.33												
						20.0	-2.52	-48.25	-4.76	-26.82	-75.00	-
568.08												
39	16	-15.28	7.33	-0.02	-40.10	0.0	-4.29	-9.20	-1.22	17.72	7.33	-15.28
		-594.83	-17.11	8.01e-03	0.0	10.0	-4.29	-29.24	-1.22	17.72	-4.89	-
204.81												
						20.0	-4.29	-49.29	-1.22	17.72	-17.11	-
594.83												
39	17	0.64	21.35	0.02	-40.10	0.0	2.52	-14.06	1.38	26.34	-6.31	0.64
		-686.86	-6.31	-6.59e-03	0.0	10.0	2.52	-34.11	1.38	26.34	7.52	-
242.87												
						20.0	2.52	-54.16	1.38	26.34	21.35	-
686.86												
39	18	-9.58	79.24	-0.02	-40.10	0.0	0.75	-15.11	4.92	70.89	-19.21	-9.58
		-713.61	-19.21	-0.03	0.0	10.0	0.75	-35.16	4.92	70.89	30.01	-
261.35												
						20.0	0.75	-55.20	4.92	70.89	79.24	-
713.61												
39	19	-5.13	22.83	0.01	-40.10	0.0	-5.55	-8.32	-4.92	-24.47	22.83	-5.13
		-571.61	-75.73	0.09	0.0	10.0	-5.55	-28.37	-4.92	-24.47	-26.45	-
188.13												
						20.0	-5.55	-48.42	-4.92	-24.47	-75.73	-
571.61												
39	20	-14.62	12.74	-0.02	-40.10	0.0	-6.76	-9.03	-2.04	14.50	12.74	-14.62
		-591.41	-28.14	-0.05	0.0	10.0	-6.76	-29.08	-2.04	14.50	-7.70	-
202.77												
						20.0	-6.76	-49.12	-2.04	14.50	-28.14	-
591.41												
39	21	-0.01	32.38	0.01	-40.10	0.0	5.00	-14.23	2.21	29.57	-11.72	-0.01
		-690.28	-11.72	0.05	0.0	10.0	5.00	-34.28	2.21	29.57	10.33	-
244.91												
						20.0	5.00	-54.32	2.21	29.57	32.38	-
690.28												
39	22	-9.51	79.97	-0.02	-40.10	0.0	3.78	-14.94	5.09	68.54	-21.82	-9.51
		-710.08	-21.82	-0.09	0.0	10.0	3.78	-34.99	5.09	68.54	29.07	-
259.56												
						20.0	3.78	-55.03	5.09	68.54	79.97	-
710.08												

39	23	-4.77	24.23	0.01	-40.10	0.0	-5.27	-8.15	-5.25	-27.26	24.23	-4.77
		-568.13	-80.88	0.03	0.0	10.0	-5.27	-28.20	-5.25	-27.26	-28.32	-
186.21												
						20.0	-5.27	-48.25	-5.25	-27.26	-80.88	-
568.13												
39	24	-14.98	11.34	-0.02	-40.10	0.0	-7.04	-9.20	-1.72	17.29	11.34	-14.98
		-594.88	-22.99	9.73e-03	0.0	10.0	-7.04	-29.25	-1.72	17.29	-5.83	-
204.69												
						20.0	-7.04	-49.29	-1.72	17.29	-22.99	-
594.88												
39	25	0.35	27.23	0.02	-40.10	0.0	5.27	-14.06	1.88	26.78	-10.33	0.35
		-686.81	-10.33	-8.31e-03	0.0	10.0	5.27	-34.11	1.88	26.78	8.45	-
242.99												
						20.0	5.27	-54.16	1.88	26.78	27.23	-
686.81												
39	26	-9.87	85.12	-0.02	-40.10	0.0	3.50	-15.11	5.41	71.33	-23.22	-9.87
		-713.56	-23.22	-0.03	0.0	10.0	3.50	-35.15	5.41	71.33	30.95	-
261.47												
						20.0	3.50	-55.20	5.41	71.33	85.12	-
713.56												
39	27	7.65	21.32	0.05	-40.10	0.0	0.38	-9.56	-5.64	-50.89	21.32	7.65
		-590.02	-91.64	0.24	0.0	10.0	0.38	-29.61	-5.64	-50.89	-35.16	-
190.94												
						20.0	0.38	-49.66	-5.64	-50.89	-91.64	-
590.02												
39	28	-24.00	66.97	-0.06	-40.10	0.0	-3.66	-11.92	3.96	79.01	-12.35	-24.00
		-656.03	-12.35	-0.23	0.0	10.0	-3.66	-31.97	3.96	79.01	27.31	-
239.77												
						20.0	-3.66	-52.02	3.96	79.01	66.97	-
656.03												
39	29	9.36	13.36	0.05	-40.10	0.0	1.89	-11.33	-3.80	-34.94	13.36	9.36
		-625.66	-62.73	0.23	0.0	10.0	1.89	-31.38	-3.80	-34.94	-24.69	-
207.91												
						20.0	1.89	-51.43	-3.80	-34.94	-62.73	-
625.66												
39	30	-22.29	95.88	-0.06	-40.10	0.0	-2.15	-13.70	5.80	94.96	-20.31	-22.29
		-691.66	-20.31	-0.24	0.0	10.0	-2.15	-33.74	5.80	94.96	37.79	-
256.74												
						20.0	-2.15	-53.79	5.80	94.96	95.88	-
691.66												
39	31	7.74	22.52	0.05	-40.10	0.0	-0.44	-9.56	-5.79	-51.02	22.52	7.74
		-590.04	-93.40	0.24	0.0	10.0	-0.44	-29.61	-5.79	-51.02	-35.44	-
190.91												
						20.0	-0.44	-49.66	-5.79	-51.02	-93.40	-
590.04												
39	32	-23.91	65.21	-0.06	-40.10	0.0	-4.49	-11.92	3.81	78.88	-11.14	-23.91
		-656.05	-11.14	-0.23	0.0	10.0	-4.49	-31.97	3.81	78.88	27.03	-
239.74												
						20.0	-4.49	-52.02	3.81	78.88	65.21	-
656.05												
39	33	9.28	12.15	0.05	-40.10	0.0	2.72	-11.33	-3.65	-34.81	12.15	9.28
		-625.64	-60.97	0.23	0.0	10.0	2.72	-31.38	-3.65	-34.81	-24.41	-
207.94												
						20.0	2.72	-51.43	-3.65	-34.81	-60.97	-
625.64												
39	34	-22.38	97.64	-0.06	-40.10	0.0	-1.33	-13.70	5.95	95.09	-21.51	-22.38
		-691.65	-21.51	-0.24	0.0	10.0	-1.33	-33.74	5.95	95.09	38.07	-
256.77												
						20.0	-1.33	-53.79	5.95	95.09	97.64	-
691.65												
39	35	8.86	25.97	0.05	-40.10	0.0	1.31	-9.00	-6.73	-60.18	25.97	8.86
		-578.44	-108.81	0.04	0.0	10.0	1.31	-29.04	-6.73	-60.18	-41.42	-
184.55												
						20.0	1.31	-49.09	-6.73	-60.18	-108.81	-
578.44												
39	36	-25.20	84.14	-0.06	-40.10	0.0	-4.59	-12.49	5.05	88.30	-17.00	-25.20
		-667.61	-17.00	-0.03	0.0	10.0	-4.59	-32.53	5.05	88.30	33.57	-
246.17												
						20.0	-4.59	-52.58	5.05	88.30	84.14	-
667.61												
39	37	10.57	18.01	0.05	-40.10	0.0	2.82	-10.77	-4.89	-44.23	18.01	10.57
		-614.08	-79.90	0.03	0.0	10.0	2.82	-30.82	-4.89	-44.23	-30.94	-

201.51												
						20.0	2.82	-50.87	-4.89	-44.23	-79.90	-
614.08												
39	38	-23.49	113.05	-0.06	-40.10	0.0	-3.08	-14.26	6.89	104.25	-24.96	-23.49
		-703.24	-24.96	-0.04	0.0	10.0	-3.08	-34.31	6.89	104.25	44.04	-
263.13												
						20.0	-3.08	-54.36	6.89	104.25	113.05	-
703.24												
39	39	8.95	27.18	0.05	-40.10	0.0	0.49	-9.00	-6.88	-60.31	27.18	8.95
		-578.46	-110.57	0.04	0.0	10.0	0.49	-29.05	-6.88	-60.31	-41.70	-
184.52												
						20.0	0.49	-49.09	-6.88	-60.31	-110.57	-
578.46												
39	40	-25.11	82.38	-0.06	-40.10	0.0	-5.42	-12.49	4.90	88.17	-15.80	-25.11
		-667.63	-15.80	-0.03	0.0	10.0	-5.42	-32.54	4.90	88.17	33.29	-
246.13												
						20.0	-5.42	-52.58	4.90	88.17	82.38	-
667.63												
39	41	10.48	16.81	0.05	-40.10	0.0	3.65	-10.77	-4.74	-44.10	16.81	10.48
		-614.06	-78.14	0.03	0.0	10.0	3.65	-30.82	-4.74	-44.10	-30.66	-
201.55												
						20.0	3.65	-50.87	-4.74	-44.10	-78.14	-
614.06												
39	42	-23.58	114.81	-0.06	-40.10	0.0	-2.25	-14.26	7.04	104.38	-26.17	-23.58
		-703.23	-26.17	-0.04	0.0	10.0	-2.25	-34.31	7.04	104.38	44.32	-
263.16												
						20.0	-2.25	-54.36	7.04	104.38	114.81	-
703.23												
39	43	-5.77	14.98	0.01	-40.10	0.0	-2.40	-9.30	-3.49	-14.46	14.98	-5.77
		-591.49	-54.82	0.07	0.0	10.0	-2.40	-29.35	-3.49	-14.46	-19.92	-
198.39												
						20.0	-2.40	-49.40	-3.49	-14.46	-54.82	-
591.49												
39	44	-13.29	7.00	-0.02	-40.10	0.0	-3.33	-9.82	-1.21	16.43	7.00	-13.29
		-606.53	-17.12	-0.04	0.0	10.0	-3.33	-29.86	-1.21	16.43	-5.06	-
209.67												
						20.0	-3.33	-49.91	-1.21	16.43	-17.12	-
606.53												
39	45	-1.34	21.36	0.01	-40.10	0.0	1.56	-13.44	1.37	27.64	-5.99	-1.34
		-675.15	-5.99	0.04	0.0	10.0	1.56	-33.49	1.37	27.64	7.69	-
238.01												
						20.0	1.56	-53.54	1.37	27.64	21.36	-
675.15												
39	46	-8.87	59.06	-0.01	-40.10	0.0	0.63	-13.96	3.65	58.53	-13.97	-8.87
		-690.20	-13.97	-0.07	0.0	10.0	0.63	-34.01	3.65	58.53	22.54	-
249.29												
						20.0	0.63	-54.05	3.65	58.53	59.06	-
690.20												
39	47	-5.48	16.09	0.01	-40.10	0.0	-2.17	-9.19	-3.75	-16.67	16.09	-5.48
		-589.07	-58.90	0.02	0.0	10.0	-2.17	-29.23	-3.75	-16.67	-21.41	-
197.03												
						20.0	-2.17	-49.28	-3.75	-16.67	-58.90	-
589.07												
39	48	-13.58	5.89	-0.02	-40.10	0.0	-3.56	-9.93	-0.95	18.64	5.89	-13.58
		-608.96	-13.04	6.49e-03	0.0	10.0	-3.56	-29.98	-0.95	18.64	-3.57	-
211.03												
						20.0	-3.56	-50.03	-0.95	18.64	-13.04	-
608.96												
39	49	-1.06	17.28	0.01	-40.10	0.0	1.79	-13.33	1.11	25.43	-4.88	-1.06
		-672.73	-4.88	-5.07e-03	0.0	10.0	1.79	-33.37	1.11	25.43	6.20	-
236.65												
						20.0	1.79	-53.42	1.11	25.43	17.28	-
672.73												
39	50	-9.16	63.14	-0.01	-40.10	0.0	0.40	-14.07	3.91	60.74	-15.08	-9.16
		-692.62	-15.08	-0.02	0.0	10.0	0.40	-34.12	3.91	60.74	24.03	-
250.65												
						20.0	0.40	-54.17	3.91	60.74	63.14	-
692.62												
39	51	-5.53	18.16	0.01	-40.10	0.0	-4.58	-9.31	-3.88	-14.79	18.16	-5.53
		-591.68	-59.47	0.07	0.0	10.0	-4.58	-29.36	-3.88	-14.79	-20.65	-
198.36												
						20.0	-4.58	-49.40	-3.88	-14.79	-59.47	-

591.68												
39	52	-13.06	10.18	-0.01	-40.10	0.0	-5.51	-9.82	-1.60	16.09	10.18	-13.06
		-606.73	-21.77	-0.04	0.0	10.0	-5.51	-29.87	-1.60	16.09	-5.80	-
209.65												
						20.0	-5.51	-49.92	-1.60	16.09	-21.77	-
606.73												
39	53	-1.58	26.01	0.01	-40.10	0.0	3.74	-13.43	1.76	27.98	-9.17	-1.58
		-674.96	-9.17	0.04	0.0	10.0	3.74	-33.48	1.76	27.98	8.42	-
238.03												
						20.0	3.74	-53.53	1.76	27.98	26.01	-
674.96												
39	54	-9.11	63.71	-0.01	-40.10	0.0	2.81	-13.95	4.04	58.86	-17.15	-9.11
		-690.01	-17.15	-0.07	0.0	10.0	2.81	-34.00	4.04	58.86	23.28	-
249.32												
						20.0	2.81	-54.04	4.04	58.86	63.71	-
690.01												
39	55	-5.24	19.27	0.01	-40.10	0.0	-4.35	-9.19	-4.14	-17.00	19.27	-5.24
		-589.26	-63.55	0.02	0.0	10.0	-4.35	-29.24	-4.14	-17.00	-22.14	-
197.01												
						20.0	-4.35	-49.29	-4.14	-17.00	-63.55	-
589.26												
39	56	-13.34	9.07	-0.02	-40.10	0.0	-5.74	-9.94	-1.34	18.30	9.07	-13.34
		-609.15	-17.69	7.85e-03	0.0	10.0	-5.74	-29.99	-1.34	18.30	-4.31	-
211.00												
						20.0	-5.74	-50.03	-1.34	18.30	-17.69	-
609.15												
39	57	-1.29	21.92	0.01	-40.10	0.0	3.97	-13.32	1.50	25.77	-8.06	-1.29
		-672.54	-8.06	-6.43e-03	0.0	10.0	3.97	-33.37	1.50	25.77	6.93	-
236.68												
						20.0	3.97	-53.41	1.50	25.77	21.92	-
672.54												
39	58	-9.39	67.79	-0.01	-40.10	0.0	2.58	-14.06	4.30	61.07	-18.26	-9.39
		-692.43	-18.26	-0.02	0.0	10.0	2.58	-34.11	4.30	61.07	24.77	-
250.67												
						20.0	2.58	-54.16	4.30	61.07	67.79	-
692.43												
39	59	4.56	16.96	0.04	-40.10	0.0	0.08	-10.15	-4.45	-35.76	16.96	4.56
		-603.22	-72.14	0.19	0.0	10.0	0.08	-30.20	-4.45	-35.76	-27.59	-
199.09												
						20.0	0.08	-50.24	-4.45	-35.76	-72.14	-
603.22												
39	60	-20.52	53.52	-0.04	-40.10	0.0	-3.04	-11.87	3.15	67.19	-9.65	-20.52
		-653.37	-9.65	-0.18	0.0	10.0	-3.04	-31.92	3.15	67.19	21.93	-
236.70												
						20.0	-3.04	-51.96	3.15	67.19	53.52	-
653.37												
39	61	5.89	10.67	0.04	-40.10	0.0	1.27	-11.39	-2.99	-23.13	10.67	5.89
		-628.32	-49.29	0.19	0.0	10.0	1.27	-31.44	-2.99	-23.13	-19.31	-
210.98												
						20.0	1.27	-51.49	-2.99	-23.13	-49.29	-
628.32												
39	62	-19.20	76.38	-0.04	-40.10	0.0	-1.85	-13.11	4.61	79.82	-15.95	-19.20
		-678.47	-15.95	-0.19	0.0	10.0	-1.85	-33.16	4.61	79.82	30.22	-
248.59												
						20.0	-1.85	-53.21	4.61	79.82	76.38	-
678.47												
39	63	4.63	17.91	0.04	-40.10	0.0	-0.57	-10.15	-4.57	-35.86	17.91	4.63
		-603.28	-73.53	0.19	0.0	10.0	-0.57	-30.20	-4.57	-35.86	-27.81	-
199.08												
						20.0	-0.57	-50.25	-4.57	-35.86	-73.53	-
603.28												
39	64	-20.45	52.13	-0.04	-40.10	0.0	-3.69	-11.87	3.04	67.09	-8.70	-20.45
		-653.42	-8.70	-0.18	0.0	10.0	-3.69	-31.92	3.04	67.09	21.71	-
236.70												
						20.0	-3.69	-51.97	3.04	67.09	52.13	-
653.42												
39	65	5.82	9.71	0.04	-40.10	0.0	1.92	-11.39	-2.87	-23.03	9.71	5.82
		-628.27	-47.89	0.18	0.0	10.0	1.92	-31.44	-2.87	-23.03	-19.09	-
210.98												
						20.0	1.92	-51.48	-2.87	-23.03	-47.89	-
628.27												
39	66	-19.27	77.77	-0.04	-40.10	0.0	-1.19	-13.11	4.73	79.92	-16.90	-19.27

		-678.41	-16.90	-0.19	0.0	10.0	-1.19	-33.15	4.73	79.92	30.44	-
248.60												
						20.0	-1.19	-53.20	4.73	79.92	77.77	-
678.41												
39	67	5.52	20.65	0.04	-40.10	0.0	0.84	-9.77	-5.32	-43.12	20.65	5.52
		-595.15	-85.75	0.03	0.0	10.0	0.84	-29.82	-5.32	-43.12	-32.55	-
194.58												
						20.0	0.84	-49.86	-5.32	-43.12	-85.75	-
595.15												
39	68	-21.48	67.13	-0.05	-40.10	0.0	-3.80	-12.25	4.02	74.56	-13.35	-21.48
		-661.44	-13.35	-0.02	0.0	10.0	-3.80	-32.30	4.02	74.56	26.89	-
241.22												
						20.0	-3.80	-52.34	4.02	74.56	67.13	-
661.44												
39	69	6.84	14.36	0.04	-40.10	0.0	2.03	-11.01	-3.86	-30.49	14.36	6.84
		-620.25	-62.90	0.02	0.0	10.0	2.03	-31.06	-3.86	-30.49	-24.27	-
206.46												
						20.0	2.03	-51.11	-3.86	-30.49	-62.90	-
620.25												
39	70	-20.15	89.99	-0.05	-40.10	0.0	-2.61	-13.49	5.48	87.19	-19.64	-20.15
		-686.54	-19.64	-0.03	0.0	10.0	-2.61	-33.54	5.48	87.19	35.18	-
253.10												
						20.0	-2.61	-53.59	5.48	87.19	89.99	-
686.54												
39	71	5.59	21.60	0.04	-40.10	0.0	0.18	-9.77	-5.43	-43.22	21.60	5.59
		-595.21	-87.14	0.03	0.0	10.0	0.18	-29.82	-5.43	-43.22	-32.77	-
194.57												
						20.0	0.18	-49.87	-5.43	-43.22	-87.14	-
595.21												
39	72	-21.41	65.74	-0.05	-40.10	0.0	-4.45	-12.25	3.90	74.46	-12.39	-21.41
		-661.50	-12.39	-0.02	0.0	10.0	-4.45	-32.30	3.90	74.46	26.67	-
241.21												
						20.0	-4.45	-52.35	3.90	74.46	65.74	-
661.50												
39	73	6.77	13.40	0.04	-40.10	0.0	2.68	-11.01	-3.74	-30.39	13.40	6.77
		-620.19	-61.50	0.02	0.0	10.0	2.68	-31.05	-3.74	-30.39	-24.05	-
206.47												
						20.0	2.68	-51.10	-3.74	-30.39	-61.50	-
620.19												
39	74	-20.22	91.38	-0.05	-40.10	0.0	-1.95	-13.49	5.59	87.29	-20.59	-20.22
		-686.48	-20.59	-0.03	0.0	10.0	-1.95	-33.54	5.59	87.29	35.40	-
253.11												
						20.0	-1.95	-53.58	5.59	87.29	91.38	-
686.48												
39	75	-6.04	12.48	8.46e-03	-40.10	0.0	-2.14	-9.69	-2.87	-8.13	12.48	-6.04
		-599.89	-44.97	0.06	0.0	10.0	-2.14	-29.74	-2.87	-8.13	-16.24	-
202.72												
						20.0	-2.14	-49.79	-2.87	-8.13	-44.97	-
599.89												
39	76	-12.26	5.88	-0.01	-40.10	0.0	-2.91	-10.12	-0.99	17.40	5.88	-12.26
		-612.34	-13.81	-0.03	0.0	10.0	-2.91	-30.17	-0.99	17.40	-3.96	-
212.06												
						20.0	-2.91	-50.22	-0.99	17.40	-13.81	-
612.34												
39	77	-2.38	18.05	9.37e-03	-40.10	0.0	1.14	-13.13	1.15	26.67	-4.87	-2.38
		-669.34	-4.87	0.04	0.0	10.0	1.14	-33.18	1.15	26.67	6.59	-
235.62												
						20.0	1.14	-53.23	1.15	26.67	18.05	-
669.34												
39	78	-8.60	49.20	-0.01	-40.10	0.0	0.37	-13.56	3.03	52.19	-11.47	-8.60
		-681.80	-11.47	-0.06	0.0	10.0	0.37	-33.61	3.03	52.19	18.87	-
244.96												
						20.0	0.37	-53.66	3.03	52.19	49.20	-
681.80												
39	79	-5.80	13.39	8.81e-03	-40.10	0.0	-1.95	-9.60	-3.09	-9.95	13.39	-5.80
		-597.88	-48.34	0.02	0.0	10.0	-1.95	-29.65	-3.09	-9.95	-17.47	-
201.60												
						20.0	-1.95	-49.70	-3.09	-9.95	-48.34	-
597.88												
39	80	-12.50	4.96	-0.01	-40.10	0.0	-3.10	-10.22	-0.77	19.22	4.96	-12.50
		-614.36	-10.43	5.49e-03	0.0	10.0	-3.10	-30.27	-0.77	19.22	-2.74	-
213.18												

						20.0	-3.10	-50.31	-0.77	19.22	-10.43	-
614.36												
39	81	-2.14	14.67	9.72e-03	-40.10	0.0	1.33	-13.04	0.93	24.84	-3.95	-2.14
		-667.33	-3.95	-4.07e-03	0.0	10.0	1.33	-33.09	0.93	24.84	5.36	-
234.50												
						20.0	1.33	-53.14	0.93	24.84	14.67	-
667.33												
39	82	-8.83	52.58	-0.01	-40.10	0.0	0.18	-13.66	3.25	54.02	-12.38	-8.83
		-683.81	-12.38	-0.02	0.0	10.0	0.18	-33.70	3.25	54.02	20.10	-
246.08												
						20.0	0.18	-53.75	3.25	54.02	52.58	-
683.81												
39	83	-5.84	15.10	8.76e-03	-40.10	0.0	-3.94	-9.70	-3.19	-8.40	15.10	-5.84
		-600.04	-48.80	0.06	0.0	10.0	-3.94	-29.75	-3.19	-8.40	-16.85	-
202.70												
						20.0	-3.94	-49.80	-3.19	-8.40	-48.80	-
600.04												
39	84	-12.06	8.50	-0.01	-40.10	0.0	-4.71	-10.13	-1.31	17.12	8.50	-12.06
		-612.50	-17.64	-0.03	0.0	10.0	-4.71	-30.18	-1.31	17.12	-4.57	-
212.04												
						20.0	-4.71	-50.23	-1.31	17.12	-17.64	-
612.50												
39	85	-2.57	21.88	9.08e-03	-40.10	0.0	2.94	-13.13	1.47	26.95	-7.49	-2.57
		-669.19	-7.49	0.04	0.0	10.0	2.94	-33.17	1.47	26.95	7.19	-
235.64												
						20.0	2.94	-53.22	1.47	26.95	21.88	-
669.19												
39	86	-8.79	53.04	-0.01	-40.10	0.0	2.17	-13.55	3.35	52.47	-14.09	-8.79
		-681.64	-14.09	-0.06	0.0	10.0	2.17	-33.60	3.35	52.47	19.47	-
244.98												
						20.0	2.17	-53.65	3.35	52.47	53.04	-
681.64												
39	87	-5.61	16.02	9.10e-03	-40.10	0.0	-3.75	-9.61	-3.41	-10.23	16.02	-5.61
		-598.03	-52.17	0.02	0.0	10.0	-3.75	-29.65	-3.41	-10.23	-18.08	-
201.58												
						20.0	-3.75	-49.70	-3.41	-10.23	-52.17	-
598.03												
39	88	-12.30	7.59	-0.01	-40.10	0.0	-4.90	-10.22	-1.09	18.95	7.59	-12.30
		-614.51	-14.27	6.62e-03	0.0	10.0	-4.90	-30.27	-1.09	18.95	-3.34	-
213.16												
						20.0	-4.90	-50.32	-1.09	18.95	-14.27	-
614.51												
39	89	-2.34	18.51	9.42e-03	-40.10	0.0	3.13	-13.03	1.25	25.12	-6.58	-2.34
		-667.18	-6.58	-5.20e-03	0.0	10.0	3.13	-33.08	1.25	25.12	5.96	-
234.52												
						20.0	3.13	-53.13	1.25	25.12	18.51	-
667.18												
39	90	-9.03	56.41	-0.01	-40.10	0.0	1.98	-13.65	3.57	54.30	-15.01	-9.03
		-683.65	-15.01	-0.02	0.0	10.0	1.98	-33.70	3.57	54.30	20.70	-
246.10												
						20.0	1.98	-53.75	3.57	54.30	56.41	-
683.65												
39	91	2.50	14.11	0.03	-40.10	0.0	-0.09	-10.40	-3.66	-25.72	14.11	2.50
		-609.67	-59.26	0.16	0.0	10.0	-0.09	-30.45	-3.66	-25.72	-22.58	-
203.34												
						20.0	-0.09	-50.50	-3.66	-25.72	-59.26	-
609.67												
39	92	-18.23	44.60	-0.04	-40.10	0.0	-2.67	-11.83	2.62	59.35	-7.89	-18.23
		-651.18	-7.89	-0.15	0.0	10.0	-2.67	-31.87	2.62	59.35	18.35	-
234.47												
						20.0	-2.67	-51.92	2.62	59.35	44.60	-
651.18												
39	93	3.60	8.90	0.03	-40.10	0.0	0.90	-11.43	-2.46	-15.29	8.90	3.60
		-630.50	-40.36	0.15	0.0	10.0	0.90	-31.48	-2.46	-15.29	-15.73	-
213.21												
						20.0	0.90	-51.53	-2.46	-15.29	-40.36	-
630.50												
39	94	-17.13	63.50	-0.04	-40.10	0.0	-1.68	-12.86	3.83	69.79	-13.09	-17.13
		-672.02	-13.09	-0.16	0.0	10.0	-1.68	-32.91	3.83	69.79	25.20	-
244.34												
						20.0	-1.68	-52.95	3.83	69.79	63.50	-
672.02												

39	95	2.56	14.89	0.03	-40.10	0.0	-0.63	-10.40	-3.76	-25.81	14.89	2.56
		-609.71	-60.41	0.16	0.0	10.0	-0.63	-30.45	-3.76	-25.81	-22.76	-
203.34												
						20.0	-0.63	-50.50	-3.76	-25.81	-60.41	-
609.71												
39	96	-18.17	43.45	-0.04	-40.10	0.0	-3.21	-11.83	2.52	59.27	-7.10	-18.17
		-651.23	-7.10	-0.15	0.0	10.0	-3.21	-31.88	2.52	59.27	18.17	-
234.46												
						20.0	-3.21	-51.92	2.52	59.27	43.45	-
651.23												
39	97	3.54	8.11	0.03	-40.10	0.0	1.44	-11.43	-2.36	-15.20	8.11	3.54
		-630.46	-39.21	0.15	0.0	10.0	1.44	-31.48	-2.36	-15.20	-15.55	-
213.22												
						20.0	1.44	-51.52	-2.36	-15.20	-39.21	-
630.46												
39	98	-17.19	64.65	-0.04	-40.10	0.0	-1.14	-12.86	3.92	69.88	-13.88	-17.19
		-671.97	-13.88	-0.16	0.0	10.0	-1.14	-32.90	3.92	69.88	25.38	-
244.34												
						20.0	-1.14	-52.95	3.92	69.88	64.65	-
671.97												
39	99	3.29	17.16	0.03	-40.10	0.0	0.54	-10.08	-4.38	-31.81	17.16	3.29
		-602.97	-70.51	0.03	0.0	10.0	0.54	-30.13	-4.38	-31.81	-26.68	-
199.60												
						20.0	0.54	-50.18	-4.38	-31.81	-70.51	-
602.97												
39	100	-19.02	55.84	-0.04	-40.10	0.0	-3.29	-12.14	3.34	65.44	-10.94	-19.02
		-657.89	-10.94	-0.02	0.0	10.0	-3.29	-32.19	3.34	65.44	22.45	-
238.21												
						20.0	-3.29	-52.24	3.34	65.44	55.84	-
657.89												
39	101	4.39	11.95	0.03	-40.10	0.0	1.52	-11.11	-3.17	-21.37	11.95	4.39
		-623.80	-51.60	0.02	0.0	10.0	1.52	-31.16	-3.17	-21.37	-19.83	-
209.47												
						20.0	1.52	-51.21	-3.17	-21.37	-51.60	-
623.80												
39	102	-17.92	74.75	-0.04	-40.10	0.0	-2.31	-13.17	4.54	75.88	-16.15	-17.92
		-678.72	-16.15	-0.02	0.0	10.0	-2.31	-33.22	4.54	75.88	29.30	-
248.08												
						20.0	-2.31	-53.27	4.54	75.88	74.75	-
678.72												
39	103	3.35	17.94	0.03	-40.10	0.0	-1.31e-04	-10.08	-4.48	-31.89	17.94	3.35
		-603.01	-71.66	0.03	0.0	10.0	-1.31e-04	-30.13	-4.48	-31.89	-26.86	-
199.59												
						20.0	-1.31e-04	-50.18	-4.48	-31.89	-71.66	-
603.01												
39	104	-18.96	54.69	-0.04	-40.10	0.0	-3.83	-12.14	3.24	65.36	-10.15	-18.96
		-657.93	-10.15	-0.02	0.0	10.0	-3.83	-32.19	3.24	65.36	22.27	-
238.21												
						20.0	-3.83	-52.24	3.24	65.36	54.69	-
657.93												
39	105	4.33	11.17	0.03	-40.10	0.0	2.06	-11.11	-3.08	-21.29	11.17	4.33
		-623.76	-50.45	0.02	0.0	10.0	2.06	-31.16	-3.08	-21.29	-19.64	-
209.47												
						20.0	2.06	-51.21	-3.08	-21.29	-50.45	-
623.76												
39	106	-17.98	75.90	-0.04	-40.10	0.0	-1.77	-13.17	4.64	75.96	-16.93	-17.98
		-678.68	-16.93	-0.02	0.0	10.0	-1.77	-33.22	4.64	75.96	29.48	-
248.09												
						20.0	-1.77	-53.27	4.64	75.96	75.90	-
678.68												
40	1	1668.66	-5.04	-7.27e-03	-113.80	0.0	64.22	44.58	0.25	0.46	-54.77	-53.09
		-2486.18	-54.77	0.01	0.0	98.8	25.92	-12.32	0.25	0.46	-29.91	
1540.14												
						197.5	-12.39	-69.22	0.25	0.46	-5.04	-
2486.18												
40	2	1.227e+04	26.44	-0.04	-801.97	0.0	445.25	322.37	2.54	4.73	-474.70	-
470.93												
		-1.600e+04	-474.70	0.06	0.0	98.8	175.30	-78.61	2.54	4.73	-224.13	
1.157e+04												
						197.5	-94.65	-479.60	2.54	4.73	26.44	-
1.600e+04												
40	3	1083.53	-4.47	-4.92e-03	-74.55	0.0	42.21	29.05	0.15	0.27	-34.21	-32.95

		-1657.44	-34.21	8.32e-03	0.0	98.8	17.12	-8.22	0.15	0.27	-19.34	995.51
						197.5	-7.98	-45.50	0.15	0.27	-4.47	-
1657.44												
40	4	1.168e+04	27.01	-0.04	-762.73	0.0	423.24	306.84	2.44	4.55	-454.14	-
450.80												
		-1.517e+04	-454.14	0.06	0.0	98.8	166.50	-74.52	2.44	4.55	-213.56	
1.102e+04												
						197.5	-90.24	-455.88	2.44	4.55	27.01	-
1.517e+04												
40	5	1196.61	-4.14	-5.30e-03	-81.89	0.0	46.28	32.01	0.17	0.32	-38.69	-37.41
		-1801.57	-38.69	8.88e-03	0.0	98.8	18.71	-8.93	0.17	0.32	-21.41	
1102.46												
						197.5	-8.85	-49.88	0.17	0.32	-4.14	-
1801.57												
40	6	8263.76	16.85	-0.03	-540.67	0.0	300.30	217.21	1.70	3.17	-318.64	-
315.97												
		-1.081e+04	-318.64	0.04	0.0	98.8	118.30	-53.13	1.70	3.17	-150.89	
7786.32												
						197.5	-63.70	-323.47	1.70	3.17	16.85	-
1.081e+04												
40	7	1196.61	-4.14	-5.30e-03	-81.89	0.0	46.28	32.01	0.17	0.32	-38.69	-37.41
		-1801.57	-38.69	8.88e-03	0.0	98.8	18.71	-8.93	0.17	0.32	-21.41	
1102.46												
						197.5	-8.85	-49.88	0.17	0.32	-4.14	-
1801.57												
40	8	6143.61	10.55	-0.02	-403.04	0.0	224.09	161.65	1.24	2.31	-234.65	-
232.40												
		-8107.58	-234.65	0.03	0.0	98.8	88.42	-39.87	1.24	2.31	-112.05	
5781.16												
						197.5	-47.24	-241.39	1.24	2.31	10.55	-
8107.58												
40	9	1196.61	-4.14	-5.30e-03	-81.89	0.0	46.28	32.01	0.17	0.32	-38.69	-37.41
		-1801.57	-38.69	8.88e-03	0.0	98.8	18.71	-8.93	0.17	0.32	-21.41	
1102.46												
						197.5	-8.85	-49.88	0.17	0.32	-4.14	-
1801.57												
40	10	5436.90	8.46	-0.02	-357.16	0.0	198.69	143.13	1.09	2.03	-206.66	-
204.55												
		-7206.72	-206.66	0.03	0.0	98.8	78.46	-35.45	1.09	2.03	-99.10	
5112.77												
						197.5	-41.76	-214.03	1.09	2.03	8.46	-
7206.72												
40	11	5881.86	150.70	0.07	-357.16	0.0	388.88	145.83	-1.33	10.21	150.70	35.43
		-6442.72	-174.59	7.54e-03	0.0	98.8	268.66	-32.75	-1.33	10.21	-11.94	
5614.77												
						197.5	148.43	-211.33	-1.33	10.21	-174.59	-
6442.72												
40	12	6421.90	410.94	0.14	-357.16	0.0	587.59	150.36	-2.22	4.56	410.94	201.93
		-5422.43	-58.30	-0.06	0.0	98.8	467.37	-28.22	-2.22	4.56	176.32	
6208.16												
						197.5	347.14	-206.80	-2.22	4.56	-58.30	-
5422.43												
40	13	4513.74	75.21	-0.18	-357.16	0.0	-190.21	135.90	4.39	-0.51	-824.25	-
611.03												
		-8991.02	-824.25	0.12	0.0	98.8	-310.44	-42.68	4.39	-0.51	-374.52	
4017.39												
						197.5	-430.66	-221.26	4.39	-0.51	75.21	-
8991.02												
40	14	5000.41	191.50	-0.10	-357.16	0.0	8.50	140.43	3.51	-6.15	-564.02	-
444.52												
		-7970.73	-564.02	0.05	0.0	98.8	-111.73	-38.15	3.51	-6.15	-186.26	
4610.78												
						197.5	-231.95	-216.73	3.51	-6.15	191.50	-
7970.73												
40	15	5906.33	162.62	0.07	-357.16	0.0	396.35	146.04	-1.35	10.00	162.62	43.71
		-6397.45	-173.44	7.34e-03	0.0	98.8	276.13	-32.54	-1.35	10.00	-5.41	
5641.54												
						197.5	155.91	-211.12	-1.35	10.00	-173.44	-
6397.45												
40	16	6397.43	399.02	0.14	-357.16	0.0	580.12	150.15	-2.20	4.78	399.02	193.66
		-5467.70	-59.45	-0.06	0.0	98.8	459.89	-28.43	-2.20	4.78	169.79	
6181.39												

						197.5	339.67	-207.01	-2.20	4.78	-59.45	-
5467.70												
40	17	4535.89	76.36	-0.18	-357.16	0.0	-182.74	136.11	4.37	-0.72	-812.34	-
602.75												
		-8945.75	-812.34	0.12	0.0	98.8	-302.97	-42.47	4.37	-0.72	-367.99	
4044.16												
						197.5	-423.19	-221.06	4.37	-0.72	76.36	-
8945.75												
40	18	4978.26	190.35	-0.11	-357.16	0.0	1.02	140.22	3.53	-5.94	-575.93	-
452.80												
		-8016.00	-575.93	0.05	0.0	98.8	-119.20	-38.36	3.53	-5.94	-192.79	
4584.01												
						197.5	-239.42	-216.94	3.53	-5.94	190.35	-
8016.00												
40	19	5894.97	158.47	0.07	-357.16	0.0	397.30	145.83	-1.33	10.41	158.47	43.13
		-6422.66	-173.88	6.30e-03	0.0	98.8	277.07	-32.75	-1.33	10.41	-7.71	
5628.65												
						197.5	156.85	-211.33	-1.33	10.41	-173.88	-
6422.66												
40	20	6435.00	418.70	0.15	-357.16	0.0	596.01	150.36	-2.21	4.76	418.70	209.63
		-5402.37	-57.60	-0.06	0.0	98.8	475.78	-28.22	-2.21	4.76	180.55	
6222.04												
						197.5	355.56	-206.80	-2.21	4.76	-57.60	-
5402.37												
40	21	4501.40	74.51	-0.19	-357.16	0.0	-198.63	135.90	4.39	-0.71	-832.02	-
618.72												
		-9011.08	-832.02	0.12	0.0	98.8	-318.85	-42.68	4.39	-0.71	-378.76	
4003.51												
						197.5	-439.08	-221.26	4.39	-0.71	74.51	-
9011.08												
40	22	4988.07	190.79	-0.11	-357.16	0.0	0.08	140.43	3.51	-6.35	-571.79	-
452.22												
		-7990.79	-571.79	0.05	0.0	98.8	-120.14	-38.15	3.51	-6.35	-190.50	
4596.90												
						197.5	-240.37	-216.73	3.51	-6.35	190.79	-
7990.79												
40	23	5919.43	170.39	0.07	-357.16	0.0	404.77	146.04	-1.35	10.20	170.39	51.41
		-6377.38	-172.74	6.10e-03	0.0	98.8	284.54	-32.55	-1.35	10.20	-1.17	
5655.42												
						197.5	164.32	-211.13	-1.35	10.20	-172.74	-
6377.38												
40	24	6410.54	406.79	0.14	-357.16	0.0	588.53	150.15	-2.19	4.98	406.79	201.35
		-5447.64	-58.74	-0.06	0.0	98.8	468.31	-28.43	-2.19	4.98	174.02	
6195.27												
						197.5	348.09	-207.01	-2.19	4.98	-58.74	-
5447.64												
40	25	4523.55	75.65	-0.18	-357.16	0.0	-191.16	136.11	4.37	-0.92	-820.10	-
610.45												
		-8965.81	-820.10	0.12	0.0	98.8	-311.38	-42.47	4.37	-0.92	-372.22	
4030.28												
						197.5	-431.61	-221.05	4.37	-0.92	75.65	-
8965.81												
40	26	4965.92	189.65	-0.11	-357.16	0.0	-7.39	140.23	3.53	-6.14	-583.70	-
460.50												
		-8036.06	-583.70	0.05	0.0	98.8	-127.62	-38.36	3.53	-6.14	-197.03	
4570.13												
						197.5	-247.84	-216.94	3.53	-6.14	189.65	-
8036.06												
40	27	4829.72	-222.83	-0.11	-357.16	0.0	-45.63	137.08	1.70	13.05	-494.14	-
385.08												
		-8524.97	-494.14	0.13	0.0	98.8	-165.86	-41.51	1.70	13.05	-358.48	
4363.39												
						197.5	-286.08	-220.09	1.70	13.05	-222.83	-
8524.97												
40	28	6534.46	373.31	0.15	-357.16	0.0	616.74	152.17	-1.24	-5.78	373.31	169.92
		-5123.99	164.80	-0.10	0.0	98.8	496.51	-26.42	-1.24	-5.78	269.05	
6341.38												
						197.5	376.29	-205.00	-1.24	-5.78	164.80	-
5123.99												
40	29	4421.83	-147.89	-0.19	-357.16	0.0	-219.36	134.10	3.42	9.83	-786.63	-
579.02												
		-9289.46	-786.63	0.16	0.0	98.8	-339.58	-44.48	3.42	9.83	-467.26	

3884.17												
						197.5	-459.81	-223.07	3.42	9.83	-147.89	-
9289.46												
40	30	6090.90	239.74	0.07	-357.16	0.0	443.01	149.19	0.48	-8.99	80.82	-24.01
		-5888.48	80.82	-0.07	0.0	98.8	322.79	-29.40	0.48	-8.99	160.28	
5862.16												
						197.5	202.56	-207.98	0.48	-8.99	239.74	-
5888.48												
40	31	4833.42	-222.61	-0.11	-357.16	0.0	-43.11	137.07	1.70	13.11	-491.81	-
382.77												
		-8518.95	-491.81	0.13	0.0	98.8	-163.33	-41.51	1.70	13.11	-357.21	
4367.55												
						197.5	-283.56	-220.09	1.70	13.11	-222.61	-
8518.95												
40	32	6538.39	375.64	0.15	-357.16	0.0	619.26	152.16	-1.24	-5.72	375.64	172.23
		-5117.97	165.01	-0.10	0.0	98.8	499.04	-26.42	-1.24	-5.72	270.32	
6345.54												
						197.5	378.81	-205.00	-1.24	-5.72	165.01	-
5117.97												
40	33	4418.13	-148.10	-0.19	-357.16	0.0	-221.88	134.10	3.42	9.77	-788.96	-
581.33												
		-9295.47	-788.96	0.16	0.0	98.8	-342.11	-44.48	3.42	9.77	-468.53	
3880.01												
						197.5	-462.33	-223.06	3.42	9.77	-148.10	-
9295.47												
40	34	6086.97	239.52	0.07	-357.16	0.0	440.48	149.19	0.47	-9.05	78.49	-26.32
		-5894.50	78.49	-0.07	0.0	98.8	320.26	-29.39	0.47	-9.05	159.01	
5858.00												
						197.5	200.04	-207.98	0.47	-9.05	239.52	-
5894.50												
40	35	4903.56	-219.00	-0.10	-357.16	0.0	-20.72	137.76	1.64	12.35	-454.42	-
357.48												
		-8374.05	-454.42	0.13	0.0	98.8	-140.95	-40.82	1.64	12.35	-336.71	
4452.64												
						197.5	-261.17	-219.40	1.64	12.35	-219.00	-
8374.05												
40	36	6452.91	333.59	0.14	-357.16	0.0	591.83	151.48	-1.18	-5.07	333.59	142.33
		-5274.90	160.97	-0.10	0.0	98.8	471.60	-27.10	-1.18	-5.07	247.28	
6252.12												
						197.5	351.38	-205.68	-1.18	-5.07	160.97	-
5274.90												
40	37	4495.67	-144.06	-0.18	-357.16	0.0	-194.45	134.78	3.35	9.13	-746.90	-
551.42												
		-9138.54	-746.90	0.16	0.0	98.8	-314.67	-43.80	3.35	9.13	-445.48	
3973.43												
						197.5	-434.90	-222.38	3.35	9.13	-144.06	-
9138.54												
40	38	6009.36	235.91	0.06	-357.16	0.0	418.10	148.50	0.54	-8.29	41.10	-51.61
		-6039.39	41.10	-0.07	0.0	98.8	297.88	-30.08	0.54	-8.29	138.51	
5772.91												
						197.5	177.65	-208.66	0.54	-8.29	235.91	-
6039.39												
40	39	4907.26	-218.79	-0.10	-357.16	0.0	-18.20	137.76	1.64	12.41	-452.09	-
355.18												
		-8368.04	-452.09	0.13	0.0	98.8	-138.42	-40.82	1.64	12.41	-335.44	
4456.80												
						197.5	-258.65	-219.40	1.64	12.41	-218.79	-
8368.04												
40	40	6456.84	335.92	0.14	-357.16	0.0	594.35	151.48	-1.17	-5.01	335.92	144.64
		-5268.88	161.18	-0.10	0.0	98.8	474.13	-27.10	-1.17	-5.01	248.55	
6256.29												
						197.5	353.90	-205.68	-1.17	-5.01	161.18	-
5268.88												
40	41	4491.97	-144.27	-0.18	-357.16	0.0	-196.98	134.78	3.35	9.07	-749.23	-
553.73												
		-9144.56	-749.23	0.16	0.0	98.8	-317.20	-43.80	3.35	9.07	-446.75	
3969.26												
						197.5	-437.42	-222.38	3.35	9.07	-144.27	-
9144.56												
40	42	6005.43	235.70	0.06	-357.16	0.0	415.58	148.50	0.54	-8.35	38.77	-53.92
		-6045.41	38.77	-0.07	0.0	98.8	295.35	-30.08	0.54	-8.35	137.24	
5768.75												

						197.5	175.13	-208.66	0.54	-8.35	235.70	-
6045.41												
40	43	5786.50	76.26	0.05	-357.16	0.0	349.43	145.30	-0.82	8.40	76.26	-14.54
		-6596.43	-134.40	0.01	0.0	98.8	229.21	-33.28	-0.82	8.40	-29.07	
5512.92												
						197.5	108.98	-211.86	-0.82	8.40	-134.40	-
6596.43												
40	44	6209.13	281.43	0.11	-357.16	0.0	506.79	148.81	-1.52	3.94	281.43	116.74
		-5799.22	-42.38	-0.04	0.0	98.8	386.57	-29.77	-1.52	3.94	119.52	
5977.17												
						197.5	266.34	-208.35	-1.52	3.94	-42.38	-
5799.22												
40	45	4708.28	59.29	-0.15	-357.16	0.0	-109.41	137.45	3.70	0.12	-694.74	-
525.83												
		-8614.22	-694.74	0.10	0.0	98.8	-229.64	-41.13	3.70	0.12	-317.73	
4248.38												
						197.5	-349.86	-219.71	3.70	0.12	59.29	-
8614.22												
40	46	5089.29	151.31	-0.09	-357.16	0.0	47.95	140.96	3.00	-4.35	-489.57	-
394.55												
		-7817.01	-489.57	0.05	0.0	98.8	-72.28	-37.62	3.00	-4.35	-169.13	
4712.63												
						197.5	-192.50	-216.20	3.00	-4.35	151.31	-
7817.01												
40	47	5805.83	85.51	0.05	-357.16	0.0	355.36	145.46	-0.84	8.24	85.51	-8.09
		-6560.55	-133.45	0.01	0.0	98.8	235.14	-33.12	-0.84	8.24	-23.97	
5534.09												
						197.5	114.92	-211.70	-0.84	8.24	-133.45	-
6560.55												
40	48	6189.80	272.17	0.11	-357.16	0.0	500.86	148.65	-1.50	4.11	272.17	110.29
		-5835.11	-43.32	-0.04	0.0	98.8	380.63	-29.93	-1.50	4.11	114.43	
5956.00												
						197.5	260.41	-208.51	-1.50	4.11	-43.32	-
5835.11												
40	49	4725.77	60.23	-0.15	-357.16	0.0	-103.48	137.61	3.68	-0.05	-685.49	-
519.38												
		-8578.33	-685.49	0.10	0.0	98.8	-223.70	-40.97	3.68	-0.05	-312.63	
4269.55												
						197.5	-343.93	-219.55	3.68	-0.05	60.23	-
8578.33												
40	50	5071.79	150.36	-0.09	-357.16	0.0	42.01	140.80	3.02	-4.18	-498.83	-
401.00												
		-7852.90	-498.83	0.05	0.0	98.8	-78.21	-37.78	3.02	-4.18	-174.23	
4691.46												
						197.5	-198.44	-216.36	3.02	-4.18	150.36	-
7852.90												
40	51	5797.02	82.31	0.05	-357.16	0.0	356.08	145.30	-0.82	8.54	82.31	-8.50
		-6580.16	-133.27	0.01	0.0	98.8	235.85	-33.28	-0.82	8.54	-25.48	
5524.08												
						197.5	115.63	-211.86	-0.82	8.54	-133.27	-
6580.16												
40	52	6219.64	287.48	0.11	-357.16	0.0	513.44	148.81	-1.51	4.07	287.48	122.78
		-5782.95	-41.25	-0.04	0.0	98.8	393.21	-29.77	-1.51	4.07	123.11	
5988.32												
						197.5	272.99	-208.35	-1.51	4.07	-41.25	-
5782.95												
40	53	4698.40	58.16	-0.15	-357.16	0.0	-116.06	137.45	3.69	-0.02	-700.80	-
531.87												
		-8630.49	-700.80	0.10	0.0	98.8	-236.28	-41.13	3.69	-0.02	-321.32	
4237.23												
						197.5	-356.51	-219.71	3.69	-0.02	58.16	-
8630.49												
40	54	5079.41	150.18	-0.09	-357.16	0.0	41.30	140.96	3.00	-4.48	-495.63	-
400.59												
		-7833.28	-495.63	0.05	0.0	98.8	-78.92	-37.62	3.00	-4.48	-172.72	
4701.47												
						197.5	-199.15	-216.20	3.00	-4.48	150.18	-
7833.28												
40	55	5816.35	91.56	0.05	-357.16	0.0	362.01	145.46	-0.84	8.37	91.56	-2.05
		-6544.28	-132.33	0.01	0.0	98.8	241.79	-33.12	-0.84	8.37	-20.38	
5545.25												
						197.5	121.56	-211.70	-0.84	8.37	-132.33	-

6544.28												
40	56	6200.31	278.23	0.11	-357.16	0.0	507.50	148.65	-1.50	4.24	278.23	116.33
		-5818.84	-42.20	-0.04	0.0	98.8	387.28	-29.93	-1.50	4.24	118.02	
5967.15												
						197.5	267.05	-208.51	-1.50	4.24	-42.20	-
5818.84												
40	57	4715.89	59.11	-0.15	-357.16	0.0	-110.12	137.61	3.68	-0.18	-691.54	-
525.42												
		-8594.60	-691.54	0.10	0.0	98.8	-230.35	-40.97	3.68	-0.18	-316.22	
4258.40												
						197.5	-350.57	-219.55	3.68	-0.18	59.11	-
8594.60												
40	58	5061.92	149.24	-0.09	-357.16	0.0	35.37	140.80	3.01	-4.31	-504.88	-
407.05												
		-7869.17	-504.88	0.05	0.0	98.8	-84.86	-37.78	3.01	-4.31	-177.82	
4680.30												
						197.5	-205.08	-216.36	3.01	-4.31	149.24	-
7869.17												
40	59	4963.32	-173.96	-0.09	-357.16	0.0	5.25	138.45	1.57	10.71	-432.96	-
346.66												
		-8232.74	-432.96	0.11	0.0	98.8	-114.97	-40.13	1.57	10.71	-303.46	
4528.71												
						197.5	-235.20	-218.71	1.57	10.71	-173.96	-
8232.74												
40	60	6292.56	250.94	0.11	-357.16	0.0	529.78	150.16	-0.75	-4.17	250.94	90.95
		-5575.37	132.76	-0.07	0.0	98.8	409.56	-28.42	-0.75	-4.17	191.85	
6076.20												
						197.5	289.33	-207.00	-0.75	-4.17	132.76	-
5575.37												
40	61	4640.45	-115.85	-0.15	-357.16	0.0	-132.40	136.10	2.92	8.23	-664.26	-
500.04												
		-8838.07	-664.26	0.13	0.0	98.8	-252.63	-42.48	2.92	8.23	-390.06	
4149.35												
						197.5	-372.85	-221.06	2.92	8.23	-115.85	-
8838.07												
40	62	5941.44	190.87	0.05	-357.16	0.0	392.13	147.81	0.61	-6.66	19.64	-62.44
		-6180.71	19.64	-0.05	0.0	98.8	271.90	-30.77	0.61	-6.66	105.26	
5696.84												
						197.5	151.68	-209.35	0.61	-6.66	190.87	-
6180.71												
40	63	4966.29	-173.62	-0.09	-357.16	0.0	7.24	138.45	1.57	10.76	-431.14	-
344.84												
		-8227.86	-431.14	0.11	0.0	98.8	-112.98	-40.13	1.57	10.76	-302.38	
4532.06												
						197.5	-233.21	-218.71	1.57	10.76	-173.62	-
8227.86												
40	64	6295.71	252.76	0.11	-357.16	0.0	531.78	150.16	-0.75	-4.13	252.76	92.76
		-5570.49	133.10	-0.07	0.0	98.8	411.55	-28.42	-0.75	-4.13	192.93	
6079.55												
						197.5	291.33	-207.00	-0.75	-4.13	133.10	-
5570.49												
40	65	4637.49	-116.19	-0.15	-357.16	0.0	-134.40	136.10	2.92	8.19	-666.07	-
501.86												
		-8842.95	-666.07	0.13	0.0	98.8	-254.62	-42.48	2.92	8.19	-391.13	
4146.00												
						197.5	-374.85	-221.06	2.92	8.19	-116.19	-
8842.95												
40	66	5938.29	190.53	0.05	-357.16	0.0	390.13	147.81	0.61	-6.70	17.82	-64.25
		-6185.59	17.82	-0.05	0.0	98.8	269.91	-30.77	0.61	-6.70	104.18	
5693.49												
						197.5	149.69	-209.35	0.61	-6.70	190.53	-
6185.59												
40	67	5021.63	-170.82	-0.08	-357.16	0.0	25.03	138.99	1.52	10.15	-402.11	-
325.14												
		-8113.11	-402.11	0.11	0.0	98.8	-95.19	-39.59	1.52	10.15	-286.47	
4599.28												
						197.5	-215.42	-218.17	1.52	10.15	-170.82	-
8113.11												
40	68	6228.12	220.10	0.10	-357.16	0.0	510.00	149.62	-0.70	-3.61	220.10	69.44
		-5695.00	129.63	-0.07	0.0	98.8	389.77	-28.96	-0.70	-3.61	174.86	
6005.63												
						197.5	269.55	-207.54	-0.70	-3.61	129.63	-

5695.00												
40	69	4698.76	-112.71	-0.14	-357.16	0.0	-112.62	136.64	2.87	7.67	-633.41	-
478.53												
		-8718.45	-633.41	0.13	0.0	98.8	-232.85	-41.94	2.87	7.67	-373.06	
4219.92												
						197.5	-353.07	-220.52	2.87	7.67	-112.71	-
8718.45												
40	70	5877.01	187.73	0.04	-357.16	0.0	372.35	147.27	0.66	-6.10	-11.20	-83.95
		-6300.33	-11.20	-0.05	0.0	98.8	252.12	-31.31	0.66	-6.10	88.26	
5626.27												
						197.5	131.90	-209.89	0.66	-6.10	187.73	-
6300.33												
40	71	5024.59	-170.48	-0.08	-357.16	0.0	27.03	138.99	1.52	10.19	-400.30	-
323.33												
		-8108.23	-400.30	0.11	0.0	98.8	-93.20	-39.59	1.52	10.19	-285.39	
4602.63												
						197.5	-213.42	-218.17	1.52	10.19	-170.48	-
8108.23												
40	72	6231.28	221.91	0.10	-357.16	0.0	511.99	149.62	-0.70	-3.57	221.91	71.25
		-5690.12	129.96	-0.07	0.0	98.8	391.77	-28.96	-0.70	-3.57	175.94	
6008.98												
						197.5	271.54	-207.54	-0.70	-3.57	129.96	-
5690.12												
40	73	4695.80	-113.05	-0.14	-357.16	0.0	-114.62	136.64	2.87	7.63	-635.23	-
480.34												
		-8723.33	-635.23	0.13	0.0	98.8	-234.84	-41.94	2.87	7.63	-374.14	
4216.57												
						197.5	-355.06	-220.52	2.87	7.63	-113.05	-
8723.33												
40	74	5873.85	187.39	0.04	-357.16	0.0	370.35	147.27	0.66	-6.14	-13.02	-85.76
		-6305.21	-13.02	-0.05	0.0	98.8	250.13	-31.31	0.66	-6.14	87.19	
5622.92												
						197.5	129.90	-209.89	0.66	-6.14	187.39	-
6305.21												
40	75	5724.12	27.20	0.04	-357.16	0.0	323.28	144.92	-0.49	7.31	27.20	-47.50
		-6702.54	-109.94	0.02	0.0	98.8	203.06	-33.66	-0.49	7.31	-41.37	
5443.39												
						197.5	82.83	-212.24	-0.49	7.31	-109.94	-
6702.54												
40	76	6071.08	196.81	0.09	-357.16	0.0	453.33	147.83	-1.07	3.62	196.81	61.02
		-6043.13	-33.88	-0.03	0.0	98.8	333.11	-30.75	-1.07	3.62	81.47	
5827.36												
						197.5	212.88	-209.33	-1.07	3.62	-33.88	-
6043.13												
40	77	4834.57	50.79	-0.13	-357.16	0.0	-55.95	138.43	3.25	0.44	-610.13	-
470.12												
		-8370.31	-610.13	0.09	0.0	98.8	-176.18	-40.15	3.25	0.44	-279.67	
4398.19												
						197.5	-296.40	-218.73	3.25	0.44	50.79	-
8370.31												
40	78	5149.68	126.85	-0.08	-357.16	0.0	74.10	141.34	2.67	-3.25	-440.52	-
361.59												
		-7710.90	-440.52	0.04	0.0	98.8	-46.13	-37.24	2.67	-3.25	-156.84	
4782.16												
						197.5	-166.35	-215.82	2.67	-3.25	126.85	-
7710.90												
40	79	5738.58	34.86	0.04	-357.16	0.0	328.19	145.06	-0.51	7.17	34.86	-42.16
		-6672.87	-109.16	0.01	0.0	98.8	207.96	-33.52	-0.51	7.17	-37.15	
5460.89												
						197.5	87.74	-212.11	-0.51	7.17	-109.16	-
6672.87												
40	80	6055.09	189.15	0.08	-357.16	0.0	448.43	147.70	-1.05	3.76	189.15	55.69
		-6072.81	-34.65	-0.03	0.0	98.8	328.20	-30.89	-1.05	3.76	77.25	
5809.85												
						197.5	207.98	-209.47	-1.05	3.76	-34.65	-
6072.81												
40	81	4849.03	51.56	-0.12	-357.16	0.0	-51.05	138.57	3.23	0.30	-602.47	-
464.78												
		-8340.64	-602.47	0.09	0.0	98.8	-171.27	-40.01	3.23	0.30	-275.45	
4415.70												
						197.5	-291.50	-218.60	3.23	0.30	51.56	-
8340.64												

40	82	5135.21	126.07	-0.08	-357.16	0.0	69.19	141.21	2.68	-3.12	-448.18	-366.93
		-7740.58	-448.18	0.04	0.0	98.8	-51.03	-37.38	2.68	-3.12	-161.05	4764.66
						197.5	-171.26	-215.96	2.68	-3.12	126.07	-7740.58
40	83	5732.25	32.18	0.04	-357.16	0.0	328.77	144.92	-0.49	7.43	32.18	-42.52
		-6689.17	-109.02	0.01	0.0	98.8	208.55	-33.66	-0.49	7.43	-38.42	5452.57
						197.5	88.33	-212.24	-0.49	7.43	-109.02	-6689.17
40	84	6079.73	201.79	0.09	-357.16	0.0	458.82	147.83	-1.06	3.73	201.79	66.01
		-6029.76	-32.96	-0.03	0.0	98.8	338.60	-30.75	-1.06	3.73	84.42	5836.53
						197.5	218.37	-209.33	-1.06	3.73	-32.96	-6029.76
40	85	4826.44	49.87	-0.13	-357.16	0.0	-61.44	138.43	3.24	0.32	-615.11	-475.10
		-8383.69	-615.11	0.09	0.0	98.8	-181.67	-40.15	3.24	0.32	-282.62	4389.01
						197.5	-301.89	-218.73	3.24	0.32	49.87	-8383.69
40	86	5141.54	125.93	-0.08	-357.16	0.0	68.60	141.34	2.67	-3.37	-445.50	-366.57
		-7724.28	-445.50	0.04	0.0	98.8	-51.62	-37.24	2.67	-3.37	-159.79	4772.98
						197.5	-171.84	-215.82	2.67	-3.37	125.93	-7724.28
40	87	5746.71	39.84	0.04	-357.16	0.0	333.68	145.06	-0.50	7.29	39.84	-37.18
		-6659.49	-108.24	0.01	0.0	98.8	213.45	-33.53	-0.50	7.29	-34.20	5470.07
						197.5	93.23	-212.11	-0.50	7.29	-108.24	-6659.49
40	88	6063.75	194.14	0.09	-357.16	0.0	453.92	147.70	-1.05	3.87	194.14	60.67
		-6059.43	-33.74	-0.03	0.0	98.8	333.69	-30.89	-1.05	3.87	80.20	5819.03
						197.5	213.47	-209.47	-1.05	3.87	-33.74	-6059.43
40	89	4840.90	50.65	-0.13	-357.16	0.0	-56.54	138.57	3.23	0.18	-607.45	-469.76
		-8354.01	-607.45	0.09	0.0	98.8	-176.76	-40.01	3.23	0.18	-278.40	4406.52
						197.5	-296.99	-218.60	3.23	0.18	50.65	-8354.01
40	90	5127.08	125.15	-0.08	-357.16	0.0	63.70	141.21	2.68	-3.23	-453.16	-371.91
		-7753.95	-453.16	0.04	0.0	98.8	-56.52	-37.38	2.68	-3.23	-164.00	4755.48
						197.5	-176.75	-215.96	2.68	-3.23	125.15	-7753.95
40	91	5045.15	-142.42	-0.08	-357.16	0.0	38.83	139.26	1.49	9.21	-393.74	-322.03
		-8055.57	-393.74	0.09	0.0	98.8	-81.40	-39.32	1.49	9.21	-268.08	4629.61
						197.5	-201.62	-217.90	1.49	9.21	-142.42	-8055.57
40	92	6140.29	171.62	0.09	-357.16	0.0	472.32	148.95	-0.43	-3.09	171.62	39.73
		-5857.54	111.11	-0.06	0.0	98.8	352.10	-29.63	-0.43	-3.09	141.37	5909.50
						197.5	231.87	-208.21	-0.43	-3.09	111.11	-5857.54
40	93	4778.28	-94.20	-0.13	-357.16	0.0	-74.94	137.31	2.61	7.15	-584.94	-448.82
		-8555.90	-584.94	0.12	0.0	98.8	-195.17	-41.27	2.61	7.15	-339.57	4316.05
						197.5	-315.39	-219.85	2.61	7.15	-94.20	-8555.90
40	94	5850.08	159.33	0.04	-357.16	0.0	358.55	147.00	0.69	-5.15	-19.58	-87.06
		-6357.88	-19.58	-0.03	0.0	98.8	238.33	-31.58	0.69	-5.15	69.88	5595.94
						197.5	118.10	-210.16	0.69	-5.15	159.33	-6357.88

40	95	5047.59	-142.14	-0.08	-357.16	0.0	40.48	139.26	1.49	9.25	-392.25	-
320.54												
		-8051.56	-392.25	0.09	0.0	98.8	-79.75	-39.32	1.49	9.25	-267.19	
4632.36												
						197.5	-199.97	-217.90	1.49	9.25	-142.14	-
8051.56												
40	96	6142.89	173.12	0.09	-357.16	0.0	473.97	148.95	-0.43	-3.06	173.12	41.22
		-5853.53	111.39	-0.06	0.0	98.8	353.74	-29.63	-0.43	-3.06	142.25	
5912.25												
						197.5	233.52	-208.21	-0.43	-3.06	111.39	-
5853.53												
40	97	4775.85	-94.48	-0.13	-357.16	0.0	-76.59	137.31	2.61	7.12	-586.43	-
450.31												
		-8559.91	-586.43	0.12	0.0	98.8	-196.81	-41.27	2.61	7.12	-340.46	
4313.30												
						197.5	-317.04	-219.85	2.61	7.12	-94.48	-
8559.91												
40	98	5847.48	159.05	0.04	-357.16	0.0	356.90	147.00	0.69	-5.19	-21.07	-88.55
		-6361.89	-21.07	-0.03	0.0	98.8	236.68	-31.58	0.69	-5.19	68.99	
5593.19												
						197.5	116.45	-210.16	0.69	-5.19	159.05	-
6361.89												
40	99	5093.36	-139.83	-0.07	-357.16	0.0	55.18	139.71	1.44	8.75	-368.21	-
304.23												
		-7956.66	-368.21	0.09	0.0	98.8	-65.05	-38.88	1.44	8.75	-254.02	
4687.96												
						197.5	-185.27	-217.46	1.44	8.75	-139.83	-
7956.66												
40	100	6087.01	146.10	0.08	-357.16	0.0	455.97	148.50	-0.39	-2.63	146.10	21.93
		-5956.45	108.53	-0.06	0.0	98.8	335.75	-30.08	-0.39	-2.63	127.31	
5851.15												
						197.5	215.52	-208.66	-0.39	-2.63	108.53	-
5956.45												
40	101	4826.50	-91.61	-0.12	-357.16	0.0	-58.60	137.76	2.57	6.69	-559.41	-
431.02												
		-8456.99	-559.41	0.12	0.0	98.8	-178.82	-40.82	2.57	6.69	-325.51	
4374.40												
						197.5	-299.04	-219.40	2.57	6.69	-91.61	-
8456.99												
40	102	5796.80	156.74	0.03	-357.16	0.0	342.20	146.56	0.73	-4.69	-45.10	-
104.86												
		-6456.78	-45.10	-0.03	0.0	98.8	221.98	-32.02	0.73	-4.69	55.82	
5537.59												
						197.5	101.75	-210.61	0.73	-4.69	156.74	-
6456.78												
40	103	5095.80	-139.56	-0.07	-357.16	0.0	56.82	139.71	1.45	8.78	-366.72	-
302.74												
		-7952.65	-366.72	0.09	0.0	98.8	-63.40	-38.88	1.45	8.78	-253.14	
4690.71												
						197.5	-183.63	-217.46	1.45	8.78	-139.56	-
7952.65												
40	104	6089.60	147.59	0.08	-357.16	0.0	457.62	148.50	-0.39	-2.59	147.59	23.42
		-5952.44	108.80	-0.06	0.0	98.8	337.40	-30.08	-0.39	-2.59	128.20	
5853.90												
						197.5	217.17	-208.66	-0.39	-2.59	108.80	-
5952.44												
40	105	4824.06	-91.89	-0.12	-357.16	0.0	-60.24	137.76	2.56	6.65	-560.91	-
432.51												
		-8461.01	-560.91	0.12	0.0	98.8	-180.47	-40.82	2.56	6.65	-326.40	
4371.65												
						197.5	-300.69	-219.40	2.56	6.65	-91.89	-
8461.01												
40	106	5794.20	156.47	0.03	-357.16	0.0	340.56	146.56	0.73	-4.73	-46.60	-
106.35												
		-6460.80	-46.60	-0.03	0.0	98.8	220.33	-32.02	0.73	-4.73	54.94	
5534.83												
						197.5	100.11	-210.61	0.73	-4.73	156.47	-
6460.80												
42	1	4653.03	-2.29	-0.01	-195.44	0.0	73.38	91.80	-0.02	0.84	-2.29	-
3289.65												
		-5480.99	-8.85	0.04	0.0	185.0	0.79	-5.92	-0.02	0.84	-5.57	
4653.03												

						370.0	-71.79	-103.64	-0.02	0.84	-8.85	-5480.99
42	2	3.191e+04	23.03	-0.13	-1331.46	0.0	400.86	671.14	-0.21	3.52	23.03	-3.067e+04
		-3.067e+04	-55.79	0.14	0.0	185.0	-93.66	5.41	-0.21	3.52	-16.38	3.191e+04
						370.0	-588.17	-660.32	-0.21	3.52	-55.79	-2.867e+04
42	3	3082.05	-2.24	8.78e-03	-128.90	0.0	50.27	59.68	-9.97e-03	0.60	-2.24	-2013.82
		-3778.60	-5.92	0.03	0.0	185.0	2.39	-4.77	-9.97e-03	0.60	-4.08	3064.89
						370.0	-45.48	-69.22	-9.97e-03	0.60	-5.92	-3778.60
42	4	3.032e+04	23.08	-0.13	-1264.92	0.0	377.74	639.03	-0.21	3.28	23.08	-2.939e+04
		-2.939e+04	-52.86	0.13	0.0	185.0	-92.06	6.56	-0.21	3.28	-14.89	3.032e+04
						370.0	-561.86	-625.90	-0.21	3.28	-52.86	-2.696e+04
42	5	3361.22	-1.97	-9.59e-03	-141.02	0.0	53.76	65.86	-0.01	0.63	-1.97	-2305.85
		-4025.91	-6.42	0.03	0.0	185.0	1.39	-4.65	-0.01	0.63	-4.20	3355.62
						370.0	-50.99	-75.16	-0.01	0.63	-6.42	-4025.91
42	6	2.153e+04	14.91	-0.09	-898.37	0.0	272.08	452.09	-0.14	2.41	14.91	-2.056e+04
		-2.056e+04	-37.71	0.10	0.0	185.0	-61.58	2.91	-0.14	2.41	-11.40	2.153e+04
						370.0	-395.24	-446.28	-0.14	2.41	-37.71	-1.948e+04
42	7	3361.22	-1.97	-9.59e-03	-141.02	0.0	53.76	65.86	-0.01	0.63	-1.97	-2305.85
		-4025.91	-6.42	0.03	0.0	185.0	1.39	-4.65	-0.01	0.63	-4.20	3355.62
						370.0	-50.99	-75.16	-0.01	0.63	-6.42	-4025.91
42	8	1.607e+04	9.85	-0.06	-671.16	0.0	206.58	336.22	-0.10	1.88	9.85	-1.508e+04
		-1.508e+04	-28.33	0.08	0.0	185.0	-42.69	0.64	-0.10	1.88	-9.24	1.607e+04
						370.0	-291.96	-334.94	-0.10	1.88	-28.33	-1.485e+04
42	9	3361.22	-1.97	-9.59e-03	-141.02	0.0	53.76	65.86	-0.01	0.63	-1.97	-2305.85
		-4025.91	-6.42	0.03	0.0	185.0	1.39	-4.65	-0.01	0.63	-4.20	3355.62
						370.0	-50.99	-75.16	-0.01	0.63	-6.42	-4025.91
42	10	1.426e+04	8.16	-0.06	-595.43	0.0	184.75	297.60	-0.09	1.70	8.16	-1.326e+04
		-1.330e+04	-25.20	0.07	0.0	185.0	-36.39	-0.12	-0.09	1.70	-8.52	1.426e+04
						370.0	-257.54	-297.83	-0.09	1.70	-25.20	-1.330e+04
42	11	1.834e+04	5.19	-0.09	-595.43	0.0	-311.83	186.99	-0.35	29.89	5.19	-7590.02
		-3.372e+04	-130.73	0.36	0.0	185.0	-532.97	-110.72	-0.35	29.89	-62.77	1.447e+04
						370.0	-754.12	-408.44	-0.35	29.89	-130.73	-3.372e+04
42	12	2.082e+04	32.15	-0.07	-595.43	0.0	-177.88	149.35	-0.50	16.12	32.15	-1.403e+04
		-4.141e+04	-165.94	-0.25	0.0	185.0	-399.03	-148.37	-0.50	16.12	-66.90	1.384e+04
						370.0	-620.17	-446.08	-0.50	16.12	-165.94	-4.141e+04
42	13	2.163e+04	115.55	-0.06	-595.43	0.0	547.38	445.85	0.32	-12.73	-15.83	-4.055e+04
		-4.055e+04	-15.83	0.39	0.0	185.0	326.24	148.14	0.32	-12.73	49.86	1.467e+04

					370.0	105.09	-149.58	0.32	-12.73	115.55	
1.481e+04											
42	14 1.790e+04	80.33	0.05	-595.43	0.0	681.33	408.20	0.17	-26.49	11.13	-
3.410e+04											
	-3.410e+04	11.13	-0.22	0.0	185.0	460.18	110.49	0.17	-26.49	45.73	
1.404e+04											
					370.0	239.04	-187.22	0.17	-26.49	80.33	
7119.60											
42	15 1.821e+04	2.42	-0.08	-595.43	0.0	-138.94	184.91	-0.35	28.04	2.42	
7657.82											
	-3.429e+04	-131.57	0.36	0.0	185.0	-360.08	-112.80	-0.35	28.04	-64.57	
1.422e+04											
					370.0	-581.23	-410.52	-0.35	28.04	-131.57	-
3.429e+04											
42	16 2.091e+04	34.91	-0.07	-595.43	0.0	-350.77	151.43	-0.49	17.97	34.91	
1.396e+04											
	-4.084e+04	-165.10	-0.25	0.0	185.0	-571.92	-146.29	-0.49	17.97	-65.10	
1.410e+04											
					370.0	-793.06	-444.00	-0.49	17.97	-165.10	-
4.084e+04											
42	17 2.121e+04	114.71	-0.05	-595.43	0.0	720.27	443.77	0.31	-14.58	-18.59	-
4.048e+04											
	-4.048e+04	-18.59	0.40	0.0	185.0	499.13	146.06	0.31	-14.58	48.06	
1.442e+04											
					370.0	277.98	-151.66	0.31	-14.58	114.71	
1.424e+04											
42	18 1.827e+04	81.18	0.05	-595.43	0.0	508.44	410.28	0.17	-24.64	13.89	-
3.417e+04											
	-3.417e+04	13.89	-0.22	0.0	185.0	287.29	112.57	0.17	-24.64	47.53	
1.430e+04											
					370.0	66.15	-185.14	0.17	-24.64	81.18	
7693.89											
42	19 1.848e+04	-14.41	-0.08	-595.43	0.0	-300.49	183.72	-0.35	-13.54	-14.41	
8084.04											
	-3.436e+04	-134.54	0.37	0.0	185.0	-521.63	-114.00	-0.35	-13.54	-74.47	
1.440e+04											
					370.0	-742.78	-411.71	-0.35	-13.54	-134.54	-
3.436e+04											
42	20 2.103e+04	12.55	-0.07	-595.43	0.0	-166.54	146.07	-0.50	-27.30	12.55	
1.452e+04											
	-4.206e+04	-169.75	-0.24	0.0	185.0	-387.69	-151.64	-0.50	-27.30	-78.60	
1.377e+04											
					370.0	-608.83	-449.35	-0.50	-27.30	-169.75	-
4.206e+04											
42	21 2.199e+04	119.35	-0.06	-595.43	0.0	536.04	449.12	0.32	30.70	3.77	-
4.104e+04											
	-4.104e+04	3.77	0.38	0.0	185.0	314.90	151.41	0.32	30.70	61.56	
1.475e+04											
					370.0	93.75	-146.31	0.32	30.70	119.35	
1.546e+04											
42	22 1.819e+04	84.14	0.05	-595.43	0.0	669.99	411.48	0.17	16.93	30.72	-
3.460e+04											
	-3.460e+04	30.72	-0.23	0.0	185.0	448.84	113.76	0.17	16.93	57.43	
1.412e+04											
					370.0	227.70	-183.95	0.17	16.93	84.14	
7764.92											
42	23 1.835e+04	-17.17	-0.08	-595.43	0.0	-127.60	181.64	-0.36	-15.38	-17.17	
8151.84											
	-3.494e+04	-135.38	0.37	0.0	185.0	-348.74	-116.08	-0.36	-15.38	-76.27	
1.414e+04											
					370.0	-569.89	-413.79	-0.36	-15.38	-135.38	-
3.494e+04											
42	24 2.112e+04	15.32	-0.07	-595.43	0.0	-339.43	148.15	-0.50	-25.45	15.32	
1.446e+04											
	-4.149e+04	-168.91	-0.24	0.0	185.0	-560.58	-149.56	-0.50	-25.45	-76.80	
1.402e+04											
					370.0	-781.72	-447.27	-0.50	-25.45	-168.91	-
4.149e+04											
42	25 2.157e+04	118.51	-0.05	-595.43	0.0	708.93	447.04	0.32	28.85	1.00	-
4.097e+04											
	-4.097e+04	1.00	0.39	0.0	185.0	487.79	149.33	0.32	28.85	59.76	
1.449e+04											

						370.0	266.64	-148.39	0.32	28.85	118.51	
1.489e+04												
42	26	1.856e+04	84.98	0.04	-595.43	0.0	497.10	413.56	0.18	18.78	33.49	-
3.467e+04												
		-3.467e+04	33.49	-0.23	0.0	185.0	275.95	115.84	0.18	18.78	59.23	
1.437e+04												
						370.0	54.81	-181.87	0.18	18.78	84.98	
8339.21												
42	27	1.541e+04	-3.45	-0.10	-595.43	0.0	-167.38	321.51	0.06	31.03	-33.62	-
1.677e+04												
		-1.677e+04	-33.62	1.08	0.0	185.0	-388.52	23.79	0.06	31.03	-18.54	
1.527e+04												
						370.0	-609.66	-273.92	0.06	31.03	-3.45	-
7756.10												
42	28	1.646e+04	56.24	0.05	-595.43	0.0	279.11	196.03	-0.44	-14.85	56.24	
4697.94												
		-3.340e+04	-120.83	-0.95	0.0	185.0	57.97	-101.68	-0.44	-14.85	-32.29	
1.318e+04												
						370.0	-163.18	-399.40	-0.44	-14.85	-120.83	-
3.340e+04												
42	29	1.859e+04	70.43	-0.10	-595.43	0.0	90.39	399.16	0.26	18.25	-39.92	-
3.121e+04												
		-3.121e+04	-39.92	1.09	0.0	185.0	-130.76	101.45	0.26	18.25	15.25	
1.533e+04												
						370.0	-351.90	-196.26	0.26	18.25	70.43	
6803.98												
42	30	1.338e+04	49.94	0.07	-595.43	0.0	536.88	273.69	-0.24	-27.64	49.94	-
9742.68												
		-1.884e+04	-46.94	-0.94	0.0	185.0	315.73	-24.03	-0.24	-27.64	1.50	
1.324e+04												
						370.0	94.59	-321.74	-0.24	-27.64	-46.94	-
1.884e+04												
42	31	1.536e+04	-4.59	-0.10	-595.43	0.0	-163.97	320.53	0.06	18.01	-39.50	-
1.662e+04												
		-1.662e+04	-39.50	1.09	0.0	185.0	-385.12	22.81	0.06	18.01	-22.05	
1.525e+04												
						370.0	-606.26	-274.90	0.06	18.01	-4.59	-
7949.69												
42	32	1.650e+04	50.36	0.05	-595.43	0.0	282.51	195.05	-0.44	-27.88	50.36	
4846.15												
		-3.360e+04	-121.97	-0.95	0.0	185.0	61.37	-102.66	-0.44	-27.88	-35.80	
1.316e+04												
						370.0	-159.78	-400.38	-0.44	-27.88	-121.97	-
3.360e+04												
42	33	1.867e+04	71.57	-0.10	-595.43	0.0	86.99	400.15	0.26	31.28	-34.05	-
3.136e+04												
		-3.136e+04	-34.05	1.09	0.0	185.0	-134.16	102.43	0.26	31.28	18.76	
1.535e+04												
						370.0	-355.30	-195.28	0.26	31.28	71.57	
6997.57												
42	34	1.338e+04	55.81	0.07	-595.43	0.0	533.47	274.67	-0.24	-14.61	55.81	-
9890.89												
		-1.865e+04	-45.80	-0.94	0.0	185.0	312.33	-23.04	-0.24	-14.61	5.01	
1.327e+04												
						370.0	91.18	-320.76	-0.24	-14.61	-45.80	-
1.865e+04												
42	35	1.443e+04	-6.26	-0.09	-595.43	0.0	408.92	314.57	0.04	24.87	-42.83	-
1.655e+04												
		-1.655e+04	-42.83	1.09	0.0	185.0	187.78	16.86	0.04	24.87	-24.54	
1.443e+04												
						370.0	-33.37	-280.85	0.04	24.87	-6.26	-
9670.38												
42	36	1.690e+04	65.45	-0.05	-595.43	0.0	-297.19	202.96	-0.42	-8.69	65.45	
4471.94												
		-3.149e+04	-118.02	-0.96	0.0	185.0	-518.33	-94.75	-0.42	-8.69	-26.29	
1.403e+04												
						370.0	-739.48	-392.46	-0.42	-8.69	-118.02	-
3.149e+04												
42	37	1.734e+04	67.63	-0.08	-595.43	0.0	666.69	392.23	0.24	12.08	-49.13	-
3.099e+04												
		-3.099e+04	-49.13	1.10	0.0	185.0	445.54	94.52	0.24	12.08	9.25	
1.449e+04												

						370.0	224.40	-203.19	0.24	12.08	67.63	
4889.69												
42	38	1.409e+04	59.15	0.05	-595.43	0.0	-39.42	280.62	-0.22	-21.47	59.15	-
9968.69												
		-1.693e+04	-44.14	-0.95	0.0	185.0	-260.57	-17.09	-0.22	-21.47	7.50	
1.409e+04												
						370.0	-481.71	-314.80	-0.22	-21.47	-44.14	-
1.693e+04												
42	39	1.441e+04	-7.40	-0.09	-595.43	0.0	412.33	313.59	0.04	11.84	-48.71	-
1.640e+04												
		-1.640e+04	-48.71	1.10	0.0	185.0	191.18	15.88	0.04	11.84	-28.05	
1.441e+04												
						370.0	-29.96	-281.83	0.04	11.84	-7.40	-
9863.97												
42	40	1.694e+04	59.57	-0.05	-595.43	0.0	-293.79	201.98	-0.42	-21.71	59.57	
4620.14												
		-3.168e+04	-119.17	-0.96	0.0	185.0	-514.93	-95.73	-0.42	-21.71	-29.80	
1.400e+04												
						370.0	-736.08	-393.44	-0.42	-21.71	-119.17	-
3.168e+04												
42	41	1.743e+04	68.77	-0.08	-595.43	0.0	663.29	393.21	0.24	25.11	-43.26	-
3.113e+04												
		-3.113e+04	-43.26	1.10	0.0	185.0	442.14	95.50	0.24	25.11	12.76	
1.451e+04												
						370.0	221.00	-202.21	0.24	25.11	68.77	
5083.29												
42	42	1.411e+04	65.02	0.05	-595.43	0.0	-42.83	281.60	-0.22	-8.44	65.02	-
1.012e+04												
		-1.674e+04	-43.00	-0.95	0.0	185.0	-263.97	-16.11	-0.22	-8.44	11.01	
1.411e+04												
						370.0	-485.12	-313.82	-0.22	-8.44	-43.00	-
1.674e+04												
42	43	1.675e+04	5.38	-0.08	-595.43	0.0	-205.47	210.29	-0.29	23.86	5.38	
3170.38												
		-2.945e+04	-108.58	0.30	0.0	185.0	-426.61	-87.43	-0.29	23.86	-51.60	
1.440e+04												
						370.0	-647.76	-385.14	-0.29	23.86	-108.58	-
2.945e+04												
42	44	1.823e+04	26.63	-0.07	-595.43	0.0	-99.85	180.55	-0.41	13.02	26.63	
8243.17												
		-3.553e+04	-136.37	-0.18	0.0	185.0	-320.99	-117.16	-0.41	13.02	-54.87	
1.389e+04												
						370.0	-542.14	-414.87	-0.41	13.02	-136.37	-
3.553e+04												
42	45	1.894e+04	85.98	-0.06	-595.43	0.0	469.35	414.64	0.23	-9.62	-10.31	-
3.476e+04												
		-3.476e+04	-10.31	0.33	0.0	185.0	248.21	116.93	0.23	-9.62	37.83	
1.462e+04												
						370.0	27.06	-180.78	0.23	-9.62	85.98	
8928.06												
42	46	1.646e+04	58.18	0.04	-595.43	0.0	574.97	384.91	0.11	-20.46	10.93	-
2.968e+04												
		-2.968e+04	10.93	-0.16	0.0	185.0	353.82	87.20	0.11	-20.46	34.56	
1.412e+04												
						370.0	132.68	-210.52	0.11	-20.46	58.18	
2849.08												
42	47	1.662e+04	3.19	-0.08	-595.43	0.0	-68.93	208.62	-0.30	22.38	3.19	
3228.04												
		-2.991e+04	-109.27	0.30	0.0	185.0	-290.07	-89.09	-0.30	22.38	-53.04	
1.420e+04												
						370.0	-511.22	-386.81	-0.30	22.38	-109.27	-
2.991e+04												
42	48	1.833e+04	28.83	-0.07	-595.43	0.0	-236.39	182.22	-0.41	14.49	28.83	
8185.50												
		-3.507e+04	-135.68	-0.18	0.0	185.0	-457.54	-115.49	-0.41	14.49	-53.43	
1.409e+04												
						370.0	-678.68	-413.20	-0.41	14.49	-135.68	-
3.507e+04												
42	49	1.864e+04	85.29	-0.05	-595.43	0.0	605.89	412.97	0.23	-11.10	-12.51	-
3.470e+04												
		-3.470e+04	-12.51	0.33	0.0	185.0	384.75	115.26	0.23	-11.10	36.39	
1.442e+04												

						370.0	163.60	-182.45	0.23	-11.10	85.29	
8470.17												
42	50	1.673e+04	58.87	-0.04	-595.43	0.0	438.43	386.58	0.12	-18.98	13.13	-
2.974e+04												
		-2.974e+04	13.13	-0.16	0.0	185.0	217.28	88.86	0.12	-18.98	36.00	
1.432e+04												
						370.0	-3.86	-208.85	0.12	-18.98	58.87	
3306.97												
42	51	1.680e+04	-9.11	-0.08	-595.43	0.0	-195.64	207.73	-0.30	-10.22	-9.11	
3548.87												
		-2.996e+04	-111.48	0.31	0.0	185.0	-416.79	-89.99	-0.30	-10.22	-60.29	
1.433e+04												
						370.0	-637.93	-387.70	-0.30	-10.22	-111.48	-
2.996e+04												
42	52	1.833e+04	12.14	-0.06	-595.43	0.0	-90.03	177.99	-0.42	-21.06	12.14	
8621.66												
		-3.604e+04	-139.27	-0.17	0.0	185.0	-311.17	-119.72	-0.42	-21.06	-63.57	
1.383e+04												
						370.0	-532.32	-417.43	-0.42	-21.06	-139.27	-
3.604e+04												
42	53	1.917e+04	88.88	-0.06	-595.43	0.0	459.53	417.20	0.24	24.46	4.18	-
3.514e+04												
		-3.514e+04	4.18	0.32	0.0	185.0	238.38	119.49	0.24	24.46	46.53	
1.469e+04												
						370.0	17.24	-178.22	0.24	24.46	88.88	
9438.13												
42	54	1.664e+04	61.08	0.04	-595.43	0.0	565.14	387.47	0.12	13.61	25.43	-
3.006e+04												
		-3.006e+04	25.43	-0.17	0.0	185.0	344.00	89.76	0.12	13.61	43.25	
1.418e+04												
						370.0	122.85	-207.96	0.12	13.61	61.08	
3359.15												
42	55	1.666e+04	-11.31	-0.07	-595.43	0.0	-59.10	206.06	-0.30	-11.70	-11.31	
3606.54												
		-3.042e+04	-112.17	0.31	0.0	185.0	-280.25	-91.66	-0.30	-11.70	-61.74	
1.413e+04												
						370.0	-501.39	-389.37	-0.30	-11.70	-112.17	-
3.042e+04												
42	56	1.843e+04	14.33	-0.07	-595.43	0.0	-226.57	179.66	-0.41	-19.58	14.33	
8564.00												
		-3.558e+04	-138.58	-0.18	0.0	185.0	-447.71	-118.05	-0.41	-19.58	-62.12	
1.403e+04												
						370.0	-668.86	-415.77	-0.41	-19.58	-138.58	-
3.558e+04												
42	57	1.888e+04	88.19	-0.05	-595.43	0.0	596.07	415.53	0.23	22.98	1.98	-
3.508e+04												
		-3.508e+04	1.98	0.32	0.0	185.0	374.92	117.82	0.23	22.98	45.08	
1.449e+04												
						370.0	153.78	-179.89	0.23	22.98	88.19	
8980.24												
42	58	1.691e+04	61.77	-0.04	-595.43	0.0	428.60	389.14	0.12	15.09	27.63	-
3.012e+04												
		-3.012e+04	27.63	-0.17	0.0	185.0	207.46	91.42	0.12	15.09	44.70	
1.438e+04												
						370.0	-13.69	-206.29	0.12	15.09	61.77	
3817.04												
42	59	1.508e+04	-8.06	-0.09	-595.43	0.0	-92.50	316.50	0.03	24.79	-24.90	-
1.602e+04												
		-1.602e+04	-24.90	0.87	0.0	185.0	-313.65	18.79	0.03	24.79	-16.48	
1.506e+04												
						370.0	-534.79	-278.93	0.03	24.79	-8.06	-
8924.94												
42	60	1.542e+04	45.92	-0.04	-595.43	0.0	259.56	217.39	-0.37	-11.35	45.92	886.62
		-2.919e+04	-100.71	-0.74	0.0	185.0	38.41	-80.32	-0.37	-11.35	-27.39	
1.339e+04												
						370.0	-182.73	-378.04	-0.37	-11.35	-100.71	-
2.919e+04												
42	61	1.716e+04	50.31	-0.09	-595.43	0.0	109.94	377.81	0.19	14.75	-29.61	-
2.740e+04												
		-2.740e+04	-29.61	0.88	0.0	185.0	-111.20	80.09	0.19	14.75	10.35	
1.513e+04												
						370.0	-332.35	-217.62	0.19	14.75	50.31	

2588.20												
42	62	1.347e+04	41.21	0.06	-595.43	0.0	462.00	278.69	-0.21	-21.39	41.21	-
1.049e+04												
		-1.768e+04	-42.34	-0.73	0.0	185.0	240.86	-19.02	-0.21	-21.39	-0.56	
1.345e+04												
						370.0	19.71	-316.73	-0.21	-21.39	-42.34	-
1.768e+04												
42	63	1.504e+04	-8.92	-0.09	-595.43	0.0	-89.55	315.73	0.03	14.57	-29.25	-
1.591e+04												
		-1.591e+04	-29.25	0.88	0.0	185.0	-310.70	18.02	0.03	14.57	-19.08	
1.504e+04												
						370.0	-531.84	-279.69	0.03	14.57	-8.92	-
9077.96												
42	64	1.544e+04	41.57	0.04	-595.43	0.0	262.50	216.62	-0.37	-21.57	41.57	
1000.17												
		-2.934e+04	-101.58	-0.73	0.0	185.0	41.36	-81.09	-0.37	-21.57	-30.00	
1.337e+04												
						370.0	-179.79	-378.81	-0.37	-21.57	-101.58	-
2.934e+04												
42	65	1.721e+04	51.18	-0.09	-595.43	0.0	107.00	378.57	0.19	24.97	-25.26	-
2.751e+04												
		-2.751e+04	-25.26	0.88	0.0	185.0	-114.15	80.86	0.19	24.97	12.96	
1.515e+04												
						370.0	-335.29	-216.85	0.19	24.97	51.18	
2741.22												
42	66	1.347e+04	45.56	0.05	-595.43	0.0	459.05	279.46	-0.21	-11.17	45.56	-
1.061e+04												
		-1.752e+04	-41.47	-0.73	0.0	185.0	237.91	-18.25	-0.21	-11.17	2.05	
1.347e+04												
						370.0	16.76	-315.96	-0.21	-11.17	-41.47	-
1.752e+04												
42	67	1.440e+04	-10.36	-0.08	-595.43	0.0	362.64	310.94	0.01	19.86	-32.23	-
1.583e+04												
		-1.583e+04	-32.23	0.88	0.0	185.0	141.49	13.23	0.01	19.86	-21.29	
1.440e+04												
						370.0	-79.65	-284.49	0.01	19.86	-10.36	-
1.045e+04												
42	68	1.588e+04	53.25	-0.05	-595.43	0.0	-195.58	222.95	-0.35	-6.42	53.25	694.41
		-2.766e+04	-98.41	-0.75	0.0	185.0	-416.73	-74.76	-0.35	-6.42	-22.58	
1.405e+04												
						370.0	-637.87	-372.48	-0.35	-6.42	-98.41	-
2.766e+04												
42	69	1.628e+04	48.01	-0.07	-595.43	0.0	565.08	372.24	0.17	9.82	-36.93	-
2.721e+04												
		-2.721e+04	-36.93	0.89	0.0	185.0	343.94	74.53	0.17	9.82	5.54	
1.446e+04												
						370.0	122.79	-223.18	0.17	9.82	48.01	
1061.91												
42	70	1.412e+04	48.54	0.04	-595.43	0.0	6.86	284.26	-0.19	-16.46	48.54	-
1.068e+04												
		-1.615e+04	-40.04	-0.74	0.0	185.0	-214.28	-13.46	-0.19	-16.46	4.25	
1.412e+04												
						370.0	-435.43	-311.17	-0.19	-16.46	-40.04	-
1.615e+04												
42	71	1.438e+04	-11.22	-0.08	-595.43	0.0	365.58	310.17	0.01	9.64	-36.57	-
1.572e+04												
		-1.572e+04	-36.57	0.88	0.0	185.0	144.44	12.46	0.01	9.64	-23.90	
1.438e+04												
						370.0	-76.70	-285.26	0.01	9.64	-11.22	-
1.060e+04												
42	72	1.589e+04	48.90	-0.05	-595.43	0.0	-192.64	222.18	-0.35	-16.64	48.90	807.96
		-2.781e+04	-99.28	-0.74	0.0	185.0	-413.78	-75.53	-0.35	-16.64	-25.19	
1.403e+04												
						370.0	-634.93	-373.24	-0.35	-16.64	-99.28	-
2.781e+04												
42	73	1.633e+04	48.88	-0.08	-595.43	0.0	562.14	373.01	0.17	20.04	-32.59	-
2.732e+04												
		-2.732e+04	-32.59	0.89	0.0	185.0	340.99	75.30	0.17	20.04	8.15	
1.448e+04												
						370.0	119.85	-222.41	0.17	20.04	48.88	
1214.93												
42	74	1.414e+04	52.89	0.04	-595.43	0.0	3.92	285.02	-0.19	-6.24	52.89	-

1.080e+04												
		-1.600e+04	-39.17	-0.74	0.0	185.0	-217.23	-12.69	-0.19	-6.24	6.86	
1.414e+04												
						370.0	-438.37	-310.40	-0.19	-6.24	-39.17	-
1.600e+04												
42	75	1.604e+04	5.89	-0.07	-595.43	0.0	-138.72	225.34	-0.26	20.05	5.89	346.56
		-2.666e+04	-94.18	0.26	0.0	185.0	-359.86	-72.37	-0.26	20.05	-44.14	
1.438e+04												
						370.0	-581.01	-370.09	-0.26	20.05	-94.18	-
2.666e+04												
42	76	1.689e+04	23.46	-0.06	-595.43	0.0	-51.32	200.75	-0.36	11.09	23.46	
4543.87												
		-3.168e+04	-117.17	-0.14	0.0	185.0	-272.46	-96.96	-0.36	11.09	-46.86	
1.397e+04												
						370.0	-493.61	-394.68	-0.36	11.09	-117.17	-
3.168e+04												
42	77	1.745e+04	66.77	-0.06	-595.43	0.0	420.82	394.44	0.18	-7.69	-7.14	-
3.106e+04												
		-3.106e+04	-7.14	0.28	0.0	185.0	199.67	96.73	0.18	-7.69	29.82	
1.455e+04												
						370.0	-21.47	-200.98	0.18	-7.69	66.77	
5083.40												
42	78	1.578e+04	43.79	-0.04	-595.43	0.0	508.22	369.86	0.08	-16.66	10.42	-
2.686e+04												
		-2.686e+04	10.42	-0.12	0.0	185.0	287.07	72.14	0.08	-16.66	27.10	
1.413e+04												
						370.0	65.93	-225.57	0.08	-16.66	43.79	57.30
42	79	1.592e+04	4.08	-0.07	-595.43	0.0	-25.78	223.96	-0.26	18.83	4.08	393.71
		-2.704e+04	-94.75	0.26	0.0	185.0	-246.92	-73.75	-0.26	18.83	-45.34	
1.422e+04												
						370.0	-468.07	-371.46	-0.26	18.83	-94.75	-
2.704e+04												
42	80	1.697e+04	25.27	-0.07	-595.43	0.0	-164.26	202.13	-0.35	12.31	25.27	
4496.72												
		-3.131e+04	-116.60	-0.14	0.0	185.0	-385.41	-95.59	-0.35	12.31	-45.66	
1.413e+04												
						370.0	-606.55	-393.30	-0.35	12.31	-116.60	-
3.131e+04												
42	81	1.721e+04	66.21	-0.05	-595.43	0.0	533.76	393.07	0.17	-8.91	-8.96	-
3.101e+04												
		-3.101e+04	-8.96	0.28	0.0	185.0	312.62	95.36	0.17	-8.91	28.62	
1.438e+04												
						370.0	91.47	-202.36	0.17	-8.91	66.21	
4705.42												
42	82	1.600e+04	44.35	-0.04	-595.43	0.0	395.28	371.23	0.08	-15.44	12.24	-
2.691e+04												
		-2.691e+04	12.24	-0.12	0.0	185.0	174.13	73.52	0.08	-15.44	28.30	
1.430e+04												
						370.0	-47.01	-224.19	0.08	-15.44	44.35	435.28
42	83	1.607e+04	-6.15	-0.07	-595.43	0.0	-130.49	223.25	-0.26	-8.18	-6.15	653.40
		-2.708e+04	-96.58	0.27	0.0	185.0	-351.63	-74.47	-0.26	-8.18	-51.36	
1.433e+04												
						370.0	-572.78	-372.18	-0.26	-8.18	-96.58	-
2.708e+04												
42	84	1.697e+04	11.42	-0.06	-595.43	0.0	-43.09	198.66	-0.36	-17.15	11.42	
4850.71												
		-3.210e+04	-119.56	-0.13	0.0	185.0	-264.23	-99.05	-0.36	-17.15	-54.07	
1.391e+04												
						370.0	-485.38	-396.77	-0.36	-17.15	-119.56	-
3.210e+04												
42	85	1.764e+04	69.17	-0.06	-595.43	0.0	412.59	396.54	0.18	20.55	4.90	-
3.137e+04												
		-3.137e+04	4.90	0.28	0.0	185.0	191.44	98.82	0.18	20.55	37.03	
1.460e+04												
						370.0	-29.70	-198.89	0.18	20.55	69.17	
5501.64												
42	86	1.592e+04	46.18	-0.04	-595.43	0.0	499.99	371.95	0.08	11.58	22.46	-
2.717e+04												
		-2.717e+04	22.46	-0.12	0.0	185.0	278.85	74.23	0.08	11.58	34.32	
1.419e+04												
						370.0	57.70	-223.48	0.08	11.58	46.18	475.55
42	87	1.596e+04	-7.96	-0.07	-595.43	0.0	-17.55	221.87	-0.27	-9.41	-7.96	700.55

		-2.745e+04	-97.14	0.27	0.0	185.0	-238.69	-75.84	-0.27	-9.41	-52.55	
1.416e+04												
						370.0	-459.84	-373.55	-0.27	-9.41	-97.14	-
2.745e+04												
42	88	1.705e+04	13.23	-0.06	-595.43	0.0	-156.03	200.03	-0.36	-15.93	13.23	
4803.56												
		-3.172e+04	-119.00	-0.13	0.0	185.0	-377.18	-97.68	-0.36	-15.93	-52.88	
1.408e+04												
						370.0	-598.32	-395.39	-0.36	-15.93	-119.00	-
3.172e+04												
42	89	1.740e+04	68.60	-0.05	-595.43	0.0	525.53	395.16	0.18	19.33	3.08	-
3.132e+04												
		-3.132e+04	3.08	0.28	0.0	185.0	304.39	97.45	0.18	19.33	35.84	
1.444e+04												
						370.0	83.24	-200.27	0.18	19.33	68.60	
5123.66												
42	90	1.614e+04	46.75	-0.04	-595.43	0.0	387.05	373.32	0.09	12.80	24.28	-
2.722e+04												
		-2.722e+04	24.28	-0.13	0.0	185.0	165.90	75.61	0.09	12.80	35.51	
1.436e+04												
						370.0	-55.24	-222.10	0.09	12.80	46.75	853.52
42	91	1.492e+04	-11.03	-0.09	-595.43	0.0	-44.85	313.21	8.81e-03	20.80	-19.16	-
1.554e+04												
		-1.554e+04	-19.16	0.73	0.0	185.0	-265.99	15.50	8.81e-03	20.80	-15.09	
1.492e+04												
						370.0	-487.14	-282.21	8.81e-03	20.80	-11.03	-
9684.28												
42	92	1.493e+04	39.39	-0.04	-595.43	0.0	246.49	231.25	-0.32	-9.08	39.39	-
1550.98												
		-2.644e+04	-87.65	-0.60	0.0	185.0	25.34	-66.46	-0.32	-9.08	-24.13	
1.354e+04												
						370.0	-195.80	-364.18	-0.32	-9.08	-87.65	-
2.644e+04												
42	93	1.635e+04	37.26	-0.08	-595.43	0.0	123.01	363.95	0.14	12.48	-23.07	-
2.496e+04												
		-2.496e+04	-23.07	0.74	0.0	185.0	-98.13	66.23	0.14	12.48	7.09	
1.497e+04												
						370.0	-319.28	-231.48	0.14	12.48	37.26	-
162.07												
42	94	1.359e+04	35.48	0.05	-595.43	0.0	414.35	281.98	-0.19	-17.41	35.48	-
1.097e+04												
		-1.692e+04	-39.37	-0.59	0.0	185.0	193.20	-15.73	-0.19	-17.41	-1.94	
1.359e+04												
						370.0	-27.94	-313.44	-0.19	-17.41	-39.37	-
1.692e+04												
42	95	1.491e+04	-11.75	-0.08	-595.43	0.0	-42.38	312.59	7.62e-03	12.33	-22.77	-
1.545e+04												
		-1.545e+04	-22.77	0.74	0.0	185.0	-263.52	14.87	7.62e-03	12.33	-17.26	
1.491e+04												
						370.0	-484.67	-282.84	7.62e-03	12.33	-11.75	-
9809.76												
42	96	1.494e+04	35.78	-0.04	-595.43	0.0	248.96	230.62	-0.32	-17.55	35.78	-
1458.93												
		-2.656e+04	-88.37	-0.59	0.0	185.0	27.81	-67.09	-0.32	-17.55	-26.30	
1.353e+04												
						370.0	-193.33	-364.80	-0.32	-17.55	-88.37	-
2.656e+04												
42	97	1.640e+04	37.97	-0.08	-595.43	0.0	120.54	364.57	0.14	20.95	-19.46	-
2.506e+04												
		-2.506e+04	-19.46	0.74	0.0	185.0	-100.60	66.86	0.14	20.95	9.26	
1.499e+04												
						370.0	-321.74	-230.85	0.14	20.95	37.97	-36.60
42	98	1.361e+04	39.09	0.05	-595.43	0.0	411.88	282.61	-0.19	-8.93	39.09	-
1.106e+04												
		-1.679e+04	-38.65	-0.59	0.0	185.0	190.73	-15.10	-0.19	-8.93	0.22	
1.361e+04												
						370.0	-30.41	-312.82	-0.19	-8.93	-38.65	-
1.679e+04												
42	99	1.437e+04	-12.92	-0.08	-595.43	0.0	331.63	308.63	-4.87e-03	16.73	-25.21	-
1.538e+04												
		-1.538e+04	-25.21	0.74	0.0	185.0	110.48	10.92	-4.87e-03	16.73	-19.07	
1.437e+04												

						370.0	-110.66	-286.80	-4.87e-03	16.73	-12.92	-
1.094e+04												
42	100	1.531e+04	45.44	-0.05	-595.43	0.0	-129.99	235.83	-0.31	-5.01	45.44	-
1708.15												
		-2.518e+04	-85.76	-0.60	0.0	185.0	-351.13	-61.88	-0.31	-5.01	-20.16	
1.409e+04												
						370.0	-572.28	-359.59	-0.31	-5.01	-85.76	-
2.518e+04												
42	101	1.562e+04	35.37	-0.07	-595.43	0.0	499.49	359.36	0.13	8.41	-29.12	-
2.481e+04												
		-2.481e+04	-29.12	0.75	0.0	185.0	278.34	61.65	0.13	8.41	3.12	
1.442e+04												
						370.0	57.20	-236.07	0.13	8.41	35.37	-
1422.00												
42	102	1.414e+04	41.53	-0.04	-595.43	0.0	37.87	286.57	-0.18	-13.34	41.53	-
1.113e+04												
		-1.566e+04	-37.48	-0.60	0.0	185.0	-183.27	-11.15	-0.18	-13.34	2.03	
1.414e+04												
						370.0	-404.42	-308.86	-0.18	-13.34	-37.48	-
1.566e+04												
42	103	1.436e+04	-13.64	-0.07	-595.43	0.0	334.09	308.00	-6.06e-03	8.26	-28.83	-
1.529e+04												
		-1.529e+04	-28.83	0.74	0.0	185.0	112.95	10.29	-6.06e-03	8.26	-21.23	
1.436e+04												
						370.0	-108.20	-287.43	-6.06e-03	8.26	-13.64	-
1.107e+04												
42	104	1.532e+04	41.83	-0.05	-595.43	0.0	-127.52	235.21	-0.31	-13.48	41.83	-
1616.10												
		-2.530e+04	-86.48	-0.60	0.0	185.0	-348.66	-62.51	-0.31	-13.48	-22.33	
1.408e+04												
						370.0	-569.81	-360.22	-0.31	-13.48	-86.48	-
2.530e+04												
42	105	1.567e+04	36.08	-0.07	-595.43	0.0	497.02	359.99	0.13	16.88	-25.51	-
2.490e+04												
		-2.490e+04	-25.51	0.75	0.0	185.0	275.87	62.27	0.13	16.88	5.29	
1.444e+04												
						370.0	54.73	-235.44	0.13	16.88	36.08	-
1296.52												
42	106	1.416e+04	45.14	-0.04	-595.43	0.0	35.41	287.19	-0.17	-4.86	45.14	-
1.122e+04												
		-1.553e+04	-36.76	-0.60	0.0	185.0	-185.74	-10.52	-0.17	-4.86	4.19	
1.416e+04												
						370.0	-406.88	-308.23	-0.17	-4.86	-36.76	-
1.553e+04												
43	1	367.54	3.80	-0.01	-29.15	0.0	3.17	14.54	0.06	-1.39	-2.38	-2.43
		-5.71	-2.38	4.69e-03	0.0	51.0	3.17	-0.03	0.06	-1.39	0.71	367.54
						102.0	3.17	-14.60	0.06	-1.39	3.80	-5.71
43	2	367.57	10.47	-0.06	-29.15	0.0	20.89	14.66	0.20	1.43	-10.10	-8.44
		-8.44	-10.10	4.14e-03	0.0	51.0	20.89	0.09	0.20	1.43	0.19	367.57
						102.0	20.89	-14.49	0.20	1.43	10.47	0.37
43	3	282.72	2.80	-9.62e-03	-22.42	0.0	2.10	11.18	0.04	-1.12	-1.69	-1.76
		-4.50	-1.69	3.62e-03	0.0	51.0	2.10	-0.03	0.04	-1.12	0.56	282.72
						102.0	2.10	-11.24	0.04	-1.12	2.80	-4.50
43	4	282.75	9.47	-0.06	-22.42	0.0	19.82	11.30	0.19	1.70	-9.41	-7.77
		-7.77	-9.41	3.06e-03	0.0	51.0	19.82	0.09	0.19	1.70	0.03	282.75
						102.0	19.82	-11.12	0.19	1.70	9.47	1.57
43	5	282.72	2.87	-0.01	-22.42	0.0	2.29	11.18	0.05	-1.09	-1.77	-1.82
		-4.44	-1.77	3.61e-03	0.0	51.0	2.29	-0.03	0.05	-1.09	0.55	282.72
						102.0	2.29	-11.24	0.05	-1.09	2.87	-4.44
43	6	282.74	7.32	-0.04	-22.42	0.0	14.10	11.26	0.14	0.79	-6.92	-5.83
		-5.83	-6.92	3.24e-03	0.0	51.0	14.10	0.05	0.14	0.79	0.20	282.74
						102.0	14.10	-11.16	0.14	0.79	7.32	-0.39
43	7	282.72	2.87	-0.01	-22.42	0.0	2.29	11.18	0.05	-1.09	-1.77	-1.82
		-4.44	-1.77	3.61e-03	0.0	51.0	2.29	-0.03	0.05	-1.09	0.55	282.72
						102.0	2.29	-11.24	0.05	-1.09	2.87	-4.44
43	8	282.73	5.98	-0.03	-22.42	0.0	10.56	11.24	0.11	0.23	-5.37	-4.63
		-4.63	-5.37	3.35e-03	0.0	51.0	10.56	0.03	0.11	0.23	0.31	282.73
						102.0	10.56	-11.18	0.11	0.23	5.98	-1.60
43	9	282.72	2.87	-0.01	-22.42	0.0	2.29	11.18	0.05	-1.09	-1.77	-1.82
		-4.44	-1.77	3.61e-03	0.0	51.0	2.29	-0.03	0.05	-1.09	0.55	282.72
						102.0	2.29	-11.24	0.05	-1.09	2.87	-4.44
43	10	282.73	5.54	-0.03	-22.42	0.0	9.38	11.23	0.10	0.04	-4.86	-4.23

		-4.23	-4.86	3.39e-03	0.0	51.0	9.38	0.02	0.10	0.04	0.34282.73
						102.0	9.38	-11.19	0.10	0.04	5.54 -2.01
43	11	292.70	36.37	-0.09	-22.42	0.0	65.78	9.05	0.71	-52.26	-36.53107.14
		-112.67	-36.53	0.09	0.0	51.0	65.78	-2.15	0.71	-52.26	-0.08283.09
						102.0	65.78	-13.36	0.71	-52.26	36.37 -
112.67											
43	12	301.99	53.88	0.09	-22.42	0.0	43.17	8.33	1.05	-69.42	-53.67144.03
		-149.37	-53.67	0.04	0.0	51.0	43.17	-2.88	1.05	-69.42	0.10283.18
						102.0	43.17	-14.09	1.05	-69.42	53.88 -
149.37											
43	13	301.64	43.96	-0.14	-22.42	0.0	-24.41	14.13	-0.85	69.49	43.96 -
152.48											
		-152.48	-42.80	-0.03	0.0	51.0	-24.41	2.92	-0.85	69.49	0.58282.28
						102.0	-24.41	-8.29	-0.85	69.49	-42.80145.35
43	14	292.54	26.81	0.03	-22.42	0.0	-47.02	13.41	-0.51	52.34	26.81 -
115.59											
		-115.59	-25.29	-0.08	0.0	51.0	-47.02	2.20	-0.51	52.34	0.76282.38
						102.0	-47.02	-9.01	-0.51	52.34	-25.29108.65
43	15	304.60	56.62	-0.08	-22.42	0.0	66.04	8.13	1.11	-74.23	-56.29154.37
		-159.66	-56.29	0.08	0.0	51.0	66.04	-3.08	1.11	-74.23	0.17283.21
						102.0	66.04	-14.29	1.11	-74.23	56.62 -
159.66											
43	16	291.05	33.63	0.08	-22.42	0.0	42.91	9.26	0.66	-47.45	-33.91 96.80
		-102.38	-33.91	0.04	0.0	51.0	42.91	-1.95	0.66	-47.45	-0.14283.06
						102.0	42.91	-13.16	0.66	-47.45	33.63 -
102.38											
43	17	290.66	24.20	-0.13	-22.42	0.0	-24.15	13.21	-0.46	47.53	24.20 -
105.25											
		-105.25	-22.55	-0.03	0.0	51.0	-24.15	2.00	-0.46	47.53	0.82282.40
						102.0	-24.15	-9.21	-0.46	47.53	-22.55 98.36
43	18	304.20	46.57	0.02	-22.42	0.0	-47.28	14.33	-0.90	74.30	46.57 -
162.82											
		-162.82	-45.54	-0.08	0.0	51.0	-47.28	3.12	-0.90	74.30	0.52282.26
						102.0	-47.28	-8.09	-0.90	74.30	-45.54155.64
43	19	294.41	34.24	-0.08	-22.42	0.0	64.67	8.93	0.66	-55.71	-33.63113.81
		-119.22	-33.63	0.10	0.0	51.0	64.67	-2.28	0.66	-55.71	0.30283.15
						102.0	64.67	-13.49	0.66	-55.71	34.24 -
119.22											
43	20	303.70	51.75	0.10	-22.42	0.0	42.06	8.20	1.00	-72.86	-50.78150.70
		-155.92	-50.78	0.05	0.0	51.0	42.06	-3.01	1.00	-72.86	0.48283.24
						102.0	42.06	-14.22	1.00	-72.86	51.75 -
155.92											
43	21	303.24	41.07	-0.15	-22.42	0.0	-23.30	14.26	-0.80	72.94	41.07 -
159.15											
		-159.15	-40.67	-0.04	0.0	51.0	-23.30	3.05	-0.80	72.94	0.20282.22
						102.0	-23.30	-8.16	-0.80	72.94	-40.67151.90
43	22	294.14	23.92	0.02	-22.42	0.0	-45.92	13.54	-0.46	55.78	23.92 -
122.26											
		-122.26	-23.16	-0.09	0.0	51.0	-45.92	2.33	-0.46	55.78	0.38282.32
						102.0	-45.92	-8.88	-0.46	55.78	-23.16115.20
43	23	306.31	54.49	-0.07	-22.42	0.0	64.93	8.00	1.06	-77.67	-53.39161.04
		-166.21	-53.39	0.09	0.0	51.0	64.93	-3.21	1.06	-77.67	0.55283.27
						102.0	64.93	-14.42	1.06	-77.67	54.49 -
166.21											
43	24	291.93	31.50	0.09	-22.42	0.0	41.80	9.13	0.61	-50.90	-31.02103.47
		-108.93	-31.02	0.05	0.0	51.0	41.80	-2.08	0.61	-50.90	0.24283.12
						102.0	41.80	-13.29	0.61	-50.90	31.50 -
108.93											
43	25	291.58	21.31	-0.14	-22.42	0.0	-23.04	13.34	-0.41	50.97	21.31 -
111.92											
		-111.92	-20.42	-0.04	0.0	51.0	-23.04	2.13	-0.41	50.97	0.44282.34
						102.0	-23.04	-9.08	-0.41	50.97	-20.42104.91
43	26	305.79	43.68	0.01	-22.42	0.0	-46.17	14.46	-0.85	77.75	43.68 -
169.49											
		-169.49	-43.41	-0.09	0.0	51.0	-46.17	3.25	-0.85	77.75	0.13282.20
						102.0	-46.17	-7.96	-0.85	77.75	-43.41162.19
43	27	282.70	11.65	-0.31	-22.42	0.0	60.60	11.67	-0.23	10.37	11.65 -26.77
		-26.77	-11.77	0.10	0.0	51.0	60.60	0.46	-0.23	10.37	-0.06282.70
						102.0	60.60	-10.75	-0.23	10.37	-11.77 20.46
43	28	290.92	46.59	0.27	-22.42	0.0	-14.78	9.27	0.90	-46.82	-45.51 96.20
		-101.88	-45.51	-0.06	0.0	51.0	-14.78	-1.94	0.90	-46.82	0.54283.01
						102.0	-14.78	-13.15	0.90	-46.82	46.59 -

101.88												
43	29	290.64	35.80	-0.33	-22.42	0.0	33.54	13.20	-0.70	46.89	35.80	-
104.65												
		-104.65	-35.52	0.07	0.0	51.0	33.54	1.99	-0.70	46.89	0.14	282.45
						102.0	33.54	-9.22	-0.70	46.89	-35.52	97.86
43	30	282.77	22.84	0.26	-22.42	0.0	-41.84	10.79	0.43	-10.29	-21.36	18.31
		-24.48	-21.36	-0.10	0.0	51.0	-41.84	-0.42	0.43	-10.29	0.74	282.77
						102.0	-41.84	-11.63	0.43	-10.29	22.84	-24.48
43	31	282.71	12.52	-0.31	-22.42	0.0	60.26	11.63	-0.24	9.34	12.52	-24.76
		-24.76	-12.40	0.11	0.0	51.0	60.26	0.42	-0.24	9.34	0.06	282.71
						102.0	60.26	-10.79	-0.24	9.34	-12.40	18.49
43	32	291.19	45.96	0.27	-22.42	0.0	-15.11	9.23	0.89	-47.85	-44.64	98.20
		-103.85	-44.64	-0.06	0.0	51.0	-15.11	-1.98	0.89	-47.85	0.66	283.03
						102.0	-15.11	-13.19	0.89	-47.85	45.96	-
103.85												
43	33	290.87	34.93	-0.33	-22.42	0.0	33.87	13.23	-0.68	47.93	34.93	-
106.65												
		-106.65	-34.88	0.07	0.0	51.0	33.87	2.02	-0.68	47.93	0.03	282.44
						102.0	33.87	-9.19	-0.68	47.93	-34.88	99.83
43	34	282.75	23.48	0.25	-22.42	0.0	-41.51	10.83	0.45	-9.26	-22.23	16.31
		-22.51	-22.23	-0.10	0.0	51.0	-41.51	-0.38	0.45	-9.26	0.62	282.75
						102.0	-41.51	-11.59	0.45	-9.26	23.48	-22.51
43	35	298.58	55.73	-0.28	-22.42	0.0	61.46	8.59	1.08	-62.85	-54.22	130.67
		-136.18	-54.22	0.10	0.0	51.0	61.46	-2.62	1.08	-62.85	0.75	283.09
						102.0	61.46	-13.83	1.08	-62.85	55.73	-
136.18												
43	36	285.40	20.36	0.24	-22.42	0.0	-15.64	12.35	-0.40	26.40	20.36	-61.23
		-61.23	-20.90	-0.05	0.0	51.0	-15.64	1.14	-0.40	26.40	-0.27	282.61
						102.0	-15.64	-10.07	-0.40	26.40	-20.90	54.76
43	37	285.36	31.98	-0.30	-22.42	0.0	34.40	10.12	0.61	-26.32	-30.07	52.78
		-58.78	-30.07	0.06	0.0	51.0	34.40	-1.09	0.61	-26.32	0.95	282.85
						102.0	34.40	-12.30	0.61	-26.32	31.98	-58.78
43	38	298.41	44.51	0.22	-22.42	0.0	-42.70	13.87	-0.87	62.92	44.51	-
139.12												
		-139.12	-44.65	-0.09	0.0	51.0	-42.70	2.66	-0.87	62.92	-0.07	282.37
						102.0	-42.70	-8.55	-0.87	62.92	-44.65	132.16
43	39	299.10	55.09	-0.28	-22.42	0.0	61.13	8.55	1.06	-63.88	-53.35	132.67
		-138.15	-53.35	0.10	0.0	51.0	61.13	-2.66	1.06	-63.88	0.87	283.11
						102.0	61.13	-13.86	1.06	-63.88	55.09	-
138.15												
43	40	285.16	21.23	0.24	-22.42	0.0	-15.98	12.31	-0.42	25.36	21.23	-59.23
		-59.23	-21.54	-0.05	0.0	51.0	-15.98	1.10	-0.42	25.36	-0.16	282.63
						102.0	-15.98	-10.11	-0.42	25.36	-21.54	52.79
43	41	285.09	32.62	-0.30	-22.42	0.0	34.74	10.16	0.62	-25.29	-30.94	50.78
		-56.81	-30.94	0.06	0.0	51.0	34.74	-1.05	0.62	-25.29	0.84	282.83
						102.0	34.74	-12.26	0.62	-25.29	32.62	-56.81
43	42	298.89	43.64	0.22	-22.42	0.0	-42.37	13.91	-0.86	63.96	43.64	-
141.12												
		-141.12	-44.02	-0.09	0.0	51.0	-42.37	2.70	-0.86	63.96	-0.19	282.35
						102.0	-42.37	-8.51	-0.86	63.96	-44.02	134.13
43	43	289.37	29.94	-0.08	-22.42	0.0	53.81	9.51	0.59	-41.27	-29.94	83.72
		-89.40	-29.94	0.07	0.0	51.0	53.81	-1.70	0.59	-41.27	-2.18e-03	283.01
						102.0	53.81	-12.91	0.59	-41.27	29.94	-89.40
43	44	294.03	43.73	0.06	-22.42	0.0	35.99	8.95	0.85	-54.56	-43.46	112.48
		-118.01	-43.46	0.03	0.0	51.0	35.99	-2.26	0.85	-54.56	0.14	283.09
						102.0	35.99	-13.47	0.85	-54.56	43.73	-
118.01												
43	45	293.88	33.75	-0.12	-22.42	0.0	-17.23	13.51	-0.65	54.63	33.75	-
120.93												
		-120.93	-32.66	-0.02	0.0	51.0	-17.23	2.30	-0.65	54.63	0.55	282.38
						102.0	-17.23	-8.91	-0.65	54.63	-32.66	113.99
43	46	289.08	20.23	0.02	-22.42	0.0	-35.05	12.95	-0.38	41.34	20.23	-92.17
		-92.17	-18.86	-0.06	0.0	51.0	-35.05	1.74	-0.38	41.34	0.68	282.45
						102.0	-35.05	-9.47	-0.38	41.34	-18.86	85.38
43	47	296.12	45.91	-0.07	-22.42	0.0	54.02	8.79	0.90	-58.42	-45.53	120.76
		-126.25	-45.53	0.07	0.0	51.0	54.02	-2.42	0.90	-58.42	0.19	283.11
						102.0	54.02	-13.63	0.90	-58.42	45.91	-
126.25												
43	48	288.31	27.76	0.05	-22.42	0.0	35.78	9.67	0.54	-37.41	-27.87	75.44
		-81.16	-27.87	0.03	0.0	51.0	35.78	-1.54	0.54	-37.41	-0.05	282.99
						102.0	35.78	-12.75	0.54	-37.41	27.76	-81.16
43	49	288.07	18.16	-0.11	-22.42	0.0	-17.02	12.79	-0.34	37.48	18.16	-83.89

		-83.89	-16.69	-0.03	0.0	51.0	-17.02	1.58	-0.34	37.48	0.74282.47
						102.0	-17.02	-9.63	-0.34	37.48	-16.69 77.14
43	50	295.92	35.82	0.01	-22.42	0.0	-35.26	13.67	-0.69	58.50	35.82 -
129.21											
		-129.21	-34.83	-0.06	0.0	51.0	-35.26	2.47	-0.69	58.50	0.49282.36
						102.0	-35.26	-8.74	-0.69	58.50	-34.83122.23
43	51	290.05	28.19	-0.07	-22.42	0.0	52.90	9.41	0.55	-43.96	-27.60 88.88
		-94.46	-27.60	0.08	0.0	51.0	52.90	-1.80	0.55	-43.96	0.29283.06
						102.0	52.90	-13.01	0.55	-43.96	28.19 -94.46
43	52	295.36	41.99	0.07	-22.42	0.0	35.07	8.85	0.81	-57.25	-41.12117.64
		-123.07	-41.12	0.04	0.0	51.0	35.07	-2.36	0.81	-57.25	0.43283.13
						102.0	35.07	-13.57	0.81	-57.25	41.99 -
123.07											
43	53	295.11	31.41	-0.13	-22.42	0.0	-16.32	13.61	-0.61	57.32	31.41 -
126.09											
		-126.09	-30.91	-0.03	0.0	51.0	-16.32	2.40	-0.61	57.32	0.25282.33
						102.0	-16.32	-8.81	-0.61	57.32	-30.91119.05
43	54	289.68	17.89	0.01	-22.42	0.0	-34.14	13.05	-0.34	44.03	17.89 -97.33
		-97.33	-17.12	-0.07	0.0	51.0	-34.14	1.84	-0.34	44.03	0.39282.41
						102.0	-34.14	-9.37	-0.34	44.03	-17.12 90.44
43	55	297.44	44.16	-0.06	-22.42	0.0	53.10	8.69	0.86	-61.11	-43.19125.92
		-131.31	-43.19	0.08	0.0	51.0	53.10	-2.52	0.86	-61.11	0.49283.15
						102.0	53.10	-13.73	0.86	-61.11	44.16 -
131.31											
43	56	289.00	26.02	0.06	-22.42	0.0	34.87	9.57	0.50	-40.09	-25.53 80.60
		-86.22	-25.53	0.04	0.0	51.0	34.87	-1.64	0.50	-40.09	0.24283.04
						102.0	34.87	-12.85	0.50	-40.09	26.02 -86.22
43	57	288.66	15.82	-0.12	-22.42	0.0	-16.11	12.89	-0.30	40.17	15.82 -89.05
		-89.05	-14.94	-0.03	0.0	51.0	-16.11	1.68	-0.30	40.17	0.44282.43
						102.0	-16.11	-9.53	-0.30	40.17	-14.94 82.20
43	58	297.15	33.48	2.69e-03	-22.42	0.0	-34.34	13.78	-0.65	61.18	33.48 -
134.37											
		-134.37	-33.09	-0.07	0.0	51.0	-34.34	2.57	-0.65	61.18	0.20282.31
						102.0	-34.34	-8.64	-0.65	61.18	-33.09127.29
43	59	282.70	8.12	-0.25	-22.42	0.0	49.74	11.57	-0.16	7.80	8.12 -21.46
		-21.46	-8.06	0.08	0.0	51.0	49.74	0.36	-0.16	7.80	0.03282.70
						102.0	49.74	-10.85	-0.16	7.80	-8.06 15.17
43	60	288.15	37.92	0.21	-22.42	0.0	-9.67	9.69	0.73	-36.50	-36.94 74.41
		-80.20	-36.94	-0.05	0.0	51.0	-9.67	-1.52	0.73	-36.50	0.49282.95
						102.0	-9.67	-12.73	0.73	-36.50	37.92 -80.20
43	61	287.99	27.23	-0.27	-22.42	0.0	28.43	12.77	-0.53	36.57	27.23 -82.86
		-82.86	-26.84	0.05	0.0	51.0	28.43	1.56	-0.53	36.57	0.19282.51
						102.0	28.43	-9.65	-0.53	36.57	-26.84 76.18
43	62	282.76	19.14	0.20	-22.42	0.0	-30.98	10.89	0.36	-7.73	-17.83 13.01
		-19.19	-17.83	-0.08	0.0	51.0	-30.98	-0.32	0.36	-7.73	0.66282.76
						102.0	-30.98	-11.53	0.36	-7.73	19.14 -19.19
43	63	282.72	8.82	-0.25	-22.42	0.0	49.46	11.54	-0.17	6.99	8.82 -19.92
		-19.92	-8.59	0.08	0.0	51.0	49.46	0.33	-0.17	6.99	0.12282.72
						102.0	49.46	-10.88	-0.17	6.99	-8.59 13.65
43	64	288.35	37.40	0.21	-22.42	0.0	-9.94	9.66	0.72	-37.30	-36.24 75.95
		-81.72	-36.24	-0.05	0.0	51.0	-9.94	-1.55	0.72	-37.30	0.58282.97
						102.0	-9.94	-12.76	0.72	-37.30	37.40 -81.72
43	65	288.16	26.52	-0.27	-22.42	0.0	28.70	12.80	-0.52	37.38	26.52 -84.41
		-84.41	-26.32	0.05	0.0	51.0	28.70	1.59	-0.52	37.38	0.10282.50
						102.0	28.70	-9.62	-0.52	37.38	-26.32 77.70
43	66	282.75	19.66	0.19	-22.42	0.0	-30.71	10.92	0.37	-6.92	-18.53 11.46
		-17.67	-18.53	-0.08	0.0	51.0	-30.71	-0.29	0.37	-6.92	0.57282.75
						102.0	-30.71	-11.50	0.37	-6.92	19.66 -17.67
43	67	291.66	45.17	-0.23	-22.42	0.0	50.43	9.15	0.87	-49.38	-43.84102.01
		-107.67	-43.84	0.08	0.0	51.0	50.43	-2.06	0.87	-49.38	0.66283.02
						102.0	50.43	-13.27	0.87	-49.38	45.17 -
107.67											
43	68	283.90	15.02	0.18	-22.42	0.0	-10.36	12.11	-0.30	20.68	15.02 -49.06
		-49.06	-15.31	-0.04	0.0	51.0	-10.36	0.90	-0.30	20.68	-0.14282.64
						102.0	-10.36	-10.31	-0.30	20.68	-15.31 42.63
43	69	283.81	26.39	-0.24	-22.42	0.0	29.12	10.35	0.50	-20.61	-24.74 40.61
		-46.65	-24.74	0.05	0.0	51.0	29.12	-0.86	0.50	-20.61	0.83282.83
						102.0	29.12	-12.07	0.50	-20.61	26.39 -46.65
43	70	291.36	34.13	0.17	-22.42	0.0	-31.67	13.31	-0.67	49.45	34.13 -
110.46											
		-110.46	-34.09	-0.07	0.0	51.0	-31.67	2.10	-0.67	49.45	0.02282.45
						102.0	-31.67	-9.11	-0.67	49.45	-34.09103.65

43	71	291.86	44.64	-0.23	-22.42	0.0	50.15	9.12	0.86	-50.18	-43.14103.55
		-109.19	-43.14	0.08	0.0	51.0	50.15	-2.09	0.86	-50.18	0.75283.03
						102.0	50.15	-13.30	0.86	-50.18	44.64 -
109.19											
43	72	283.72	15.73	0.19	-22.42	0.0	-10.63	12.08	-0.31	19.88	15.73 -47.51
		-47.51	-15.84	-0.04	0.0	51.0	-10.63	0.87	-0.31	19.88	-0.06282.65
						102.0	-10.63	-10.34	-0.31	19.88	-15.84 41.11
43	73	283.61	26.91	-0.24	-22.42	0.0	29.39	10.38	0.51	-19.80	-25.44 39.06
		-45.13	-25.44	0.05	0.0	51.0	29.39	-0.83	0.51	-19.80	0.74282.81
						102.0	29.39	-12.04	0.51	-19.80	26.91 -45.13
43	74	291.71	33.43	0.17	-22.42	0.0	-31.40	13.34	-0.66	50.26	33.43 -
112.00											
		-112.00	-33.57	-0.07	0.0	51.0	-31.40	2.13	-0.66	50.26	-0.07282.43
						102.0	-31.40	-9.08	-0.66	50.26	-33.57105.17
43	75	287.43	25.72	-0.07	-22.42	0.0	46.17	9.81	0.50	-34.17	-25.60 68.59
		-74.36	-25.60	0.06	0.0	51.0	46.17	-1.40	0.50	-34.17	0.06282.96
						102.0	46.17	-12.61	0.50	-34.17	25.72 -74.36
43	76	290.46	37.13	0.05	-22.42	0.0	31.43	9.34	0.72	-45.17	-36.77 92.40
		-98.05	-36.77	0.03	0.0	51.0	31.43	-1.87	0.72	-45.17	0.18283.03
						102.0	31.43	-13.08	0.72	-45.17	37.13 -98.05
43	77	290.15	27.06	-0.10	-22.42	0.0	-12.67	13.12	-0.52	45.25	27.06 -
100.85											
		-100.85	-26.05	-0.02	0.0	51.0	-12.67	1.91	-0.52	45.25	0.51282.44
						102.0	-12.67	-9.30	-0.52	45.25	-26.05 94.03
43	78	287.25	15.88	0.01	-22.42	0.0	-27.41	12.65	-0.30	34.24	15.88 -77.04
		-77.04	-14.64	-0.05	0.0	51.0	-27.41	1.44	-0.30	34.24	0.62282.50
						102.0	-27.41	-9.76	-0.30	34.24	-14.64 70.34
43	79	291.33	38.92	-0.06	-22.42	0.0	46.34	9.21	0.76	-48.36	-38.48 99.24
		-104.85	-38.48	0.06	0.0	51.0	46.34	-2.00	0.76	-48.36	0.22283.04
						102.0	46.34	-13.21	0.76	-48.36	38.92 -
104.85											
43	80	286.56	23.92	0.04	-22.42	0.0	31.26	9.94	0.47	-30.98	-23.88 61.76
		-67.56	-23.88	0.03	0.0	51.0	31.26	-1.27	0.47	-30.98	0.02282.95
						102.0	31.26	-12.48	0.47	-30.98	23.92 -67.56
43	81	286.41	14.17	-0.10	-22.42	0.0	-12.50	12.52	-0.26	31.05	14.17 -70.21
		-70.21	-12.85	-0.02	0.0	51.0	-12.50	1.31	-0.26	31.05	0.66282.52
						102.0	-12.50	-9.90	-0.26	31.05	-12.85 63.54
43	82	290.99	28.77	5.00e-03	-22.42	0.0	-27.58	13.25	-0.55	48.44	28.77 -
107.69											
		-107.69	-27.85	-0.05	0.0	51.0	-27.58	2.04	-0.55	48.44	0.46282.42
						102.0	-27.58	-9.17	-0.55	48.44	-27.85100.83
43	83	288.00	24.28	-0.06	-22.42	0.0	45.40	9.73	0.47	-36.37	-23.67 72.83
		-78.53	-23.67	0.06	0.0	51.0	45.40	-1.48	0.47	-36.37	0.31283.00
						102.0	45.40	-12.69	0.47	-36.37	24.28 -78.53
43	84	291.03	35.69	0.05	-22.42	0.0	30.66	9.26	0.69	-47.38	-34.84 96.64
		-102.22	-34.84	0.03	0.0	51.0	30.66	-1.95	0.69	-47.38	0.42283.06
						102.0	30.66	-13.16	0.69	-47.38	35.69 -
102.22											
43	85	290.64	25.13	-0.11	-22.42	0.0	-11.90	13.20	-0.49	47.45	25.13 -
105.10											
		-105.10	-24.61	-0.03	0.0	51.0	-11.90	1.99	-0.49	47.45	0.26282.40
						102.0	-11.90	-9.22	-0.49	47.45	-24.61 98.20
43	86	287.73	13.96	3.69e-03	-22.42	0.0	-26.64	12.74	-0.27	36.45	13.96 -81.28
		-81.28	-13.21	-0.06	0.0	51.0	-26.64	1.53	-0.27	36.45	0.38282.46
						102.0	-26.64	-9.68	-0.27	36.45	-13.21 74.51
43	87	291.89	37.49	-0.05	-22.42	0.0	45.57	9.13	0.73	-50.57	-36.56103.48
		-109.02	-36.56	0.06	0.0	51.0	45.57	-2.08	0.73	-50.57	0.46283.08
						102.0	45.57	-13.29	0.73	-50.57	37.49 -
109.02											
43	88	287.13	22.49	0.05	-22.42	0.0	30.49	9.86	0.44	-33.18	-21.96 66.00
		-71.73	-21.96	0.03	0.0	51.0	30.49	-1.35	0.44	-33.18	0.26282.99
						102.0	30.49	-12.56	0.44	-33.18	22.49 -71.73
43	89	286.90	12.25	-0.10	-22.42	0.0	-11.73	12.60	-0.23	33.26	12.25 -74.45
		-74.45	-11.41	-0.03	0.0	51.0	-11.73	1.39	-0.23	33.26	0.42282.48
						102.0	-11.73	-9.82	-0.23	33.26	-11.41 67.71
43	90	291.63	26.84	-2.59e-03	-22.42	0.0	-26.81	13.34	-0.52	50.64	26.84 -
111.93											
		-111.93	-26.41	-0.06	0.0	51.0	-26.81	2.13	-0.52	50.64	0.22282.38
						102.0	-26.81	-9.08	-0.52	50.64	-26.41105.00
43	91	282.71	5.87	-0.21	-22.42	0.0	42.77	11.51	-0.11	6.47	5.87 -18.49
		-18.49	-5.71	0.07	0.0	51.0	42.77	0.30	-0.11	6.47	0.08282.71
						102.0	42.77	-10.91	-0.11	6.47	-5.71 12.21

43	92	286.42	32.31	0.17	-22.42	0.0	-6.36	9.96	0.62	-30.22	-31.38	60.88
		-66.75	-31.38	-0.04	0.0	51.0	-6.36	-1.25	0.62	-30.22	0.47	282.91
						102.0	-6.36	-12.46	0.62	-30.22	32.31	-66.75
43	93	286.34	21.67	-0.23	-22.42	0.0	25.11	12.50	-0.42	30.29	21.67	-69.33
		-69.33	-21.24	0.05	0.0	51.0	25.11	1.29	-0.42	30.29	0.22	282.55
						102.0	25.11	-9.92	-0.42	30.29	-21.24	62.73
43	94	282.76	16.78	0.16	-22.42	0.0	-24.01	10.95	0.32	-6.40	-15.58	10.04
		-16.23	-15.58	-0.06	0.0	51.0	-24.01	-0.26	0.32	-6.40	0.60	282.76
						102.0	-24.01	-11.47	0.32	-6.40	16.78	-16.23
43	95	282.72	6.45	-0.21	-22.42	0.0	42.54	11.49	-0.12	5.81	6.45	-17.22
		-17.22	-6.14	0.07	0.0	51.0	42.54	0.28	-0.12	5.81	0.16	282.72
						102.0	42.54	-10.93	-0.12	5.81	-6.14	10.96
43	96	286.59	31.88	0.17	-22.42	0.0	-6.59	9.93	0.61	-30.88	-30.80	62.15
		-68.00	-30.80	-0.04	0.0	51.0	-6.59	-1.28	0.61	-30.88	0.54	282.93
						102.0	-6.59	-12.49	0.61	-30.88	31.88	-68.00
43	97	286.48	21.09	-0.23	-22.42	0.0	25.34	12.53	-0.41	30.95	21.09	-70.60
		-70.60	-20.81	0.04	0.0	51.0	25.34	1.32	-0.41	30.95	0.14	282.54
						102.0	25.34	-9.89	-0.41	30.95	-20.81	63.98
43	98	282.75	17.22	0.16	-22.42	0.0	-23.78	10.98	0.33	-5.73	-16.16	8.77
		-14.98	-16.16	-0.06	0.0	51.0	-23.78	-0.23	0.33	-5.73	0.53	282.75
						102.0	-23.78	-11.44	0.33	-5.73	17.22	-14.98
43	99	289.32	38.30	-0.19	-22.42	0.0	43.34	9.51	0.74	-40.85	-37.09	83.66
		-89.42	-37.09	0.06	0.0	51.0	43.34	-1.70	0.74	-40.85	0.61	282.97
						102.0	43.34	-12.91	0.74	-40.85	38.30	-89.42
43	100	282.95	11.58	0.15	-22.42	0.0	-6.93	11.96	-0.23	17.10	11.58	-41.28
		-41.28	-11.70	-0.03	0.0	51.0	-6.93	0.75	-0.23	17.10	-0.06	282.65
						102.0	-6.93	-10.46	-0.23	17.10	-11.70	34.88
43	101	282.83	22.77	-0.20	-22.42	0.0	25.69	10.51	0.43	-17.03	-21.29	32.82
		-38.90	-21.29	0.04	0.0	51.0	25.69	-0.70	0.43	-17.03	0.74	282.81
						102.0	25.69	-11.91	0.43	-17.03	22.77	-38.90
43	102	289.12	27.37	0.14	-22.42	0.0	-24.58	12.95	-0.53	40.92	27.37	-92.11
		-92.11	-27.23	-0.06	0.0	51.0	-24.58	1.74	-0.53	40.92	0.07	282.50
						102.0	-24.58	-9.47	-0.53	40.92	-27.23	85.40
43	103	289.49	37.87	-0.19	-22.42	0.0	43.11	9.49	0.73	-41.51	-36.51	84.93
		-90.67	-36.51	0.07	0.0	51.0	43.11	-1.72	0.73	-41.51	0.68	282.98
						102.0	43.11	-12.93	0.73	-41.51	37.87	-90.67
43	104	282.80	12.16	0.15	-22.42	0.0	-7.16	11.93	-0.24	16.44	12.16	-40.00
		-40.00	-12.13	-0.03	0.0	51.0	-7.16	0.72	-0.24	16.44	0.01	282.66
						102.0	-7.16	-10.49	-0.24	16.44	-12.13	33.63
43	105	282.80	23.20	-0.21	-22.42	0.0	25.92	10.53	0.44	-16.36	-21.87	31.55
		-37.65	-21.87	0.04	0.0	51.0	25.92	-0.68	0.44	-16.36	0.67	282.80
						102.0	25.92	-11.89	0.44	-16.36	23.20	-37.65
43	106	289.27	26.80	0.13	-22.42	0.0	-24.35	12.97	-0.53	41.59	26.80	-93.38
		-93.38	-26.80	-0.06	0.0	51.0	-24.35	1.77	-0.53	41.59	2.13e-04	282.48
						102.0	-24.35	-9.44	-0.53	41.59	-26.80	86.65
44	1	-3288.26	0.18	-2.35e-03	-21.06	0.0	17.03	163.69	-0.12	-0.39	0.18	-
8189.49												
		-8189.49	-3.71	1.48e-03	0.0	16.0	17.03	153.16	-0.12	-0.39	-1.76	-
5654.64												
						32.0	17.03	142.63	-0.12	-0.39	-3.71	-
3288.26												
44	2	-3.067e+04	10.48	-0.02	-143.46	0.0	-99.02	811.56	0.20	-19.35	3.99	-
5.434e+04												
		-5.434e+04	3.99	1.30e-03	0.0	16.0	-99.02	739.83	0.20	-19.35	7.24	-
4.193e+04												
						32.0	-99.02	668.11	0.20	-19.35	10.48	-
3.067e+04												
44	3	-2012.69	0.07	-1.54e-03	-13.89	0.0	15.29	113.69	-0.10	0.06	0.07	-
5428.58												
		-5428.58	-3.12	1.14e-03	0.0	16.0	15.29	106.75	-0.10	0.06	-1.53	-
3665.09												
						32.0	15.29	99.80	-0.10	0.06	-3.12	-
2012.69												
44	4	-2.939e+04	11.07	-0.02	-136.29	0.0	-100.76	761.56	0.22	-18.90	3.87	-
5.158e+04												
		-5.158e+04	3.87	9.64e-04	0.0	16.0	-100.76	693.42	0.22	-18.90	7.47	-
3.994e+04												
						32.0	-100.76	625.27	0.22	-18.90	11.07	-
2.939e+04												
44	5	-2304.76	0.11	-1.69e-03	-15.19	0.0	14.05	120.60	-0.10	-0.15	0.11	-
5920.90												
		-5920.90	-2.97	1.14e-03	0.0	16.0	14.05	113.00	-0.10	-0.15	-1.43	-

4052.06												
						32.0	14.05	105.41	-0.10	-0.15	-2.97	-
2304.76												
44	6	-2.056e+04	6.49	-0.01	-96.79	0.0	-63.31	552.52	0.12	-12.78	2.65	-
3.669e+04												
		-3.669e+04	2.65	1.02e-03	0.0	16.0	-63.31	504.12	0.12	-12.78	4.57	-
2.824e+04												
						32.0	-63.31	455.72	0.12	-12.78	6.49	-
2.056e+04												
44	7	-2304.76	0.11	-1.69e-03	-15.19	0.0	14.05	120.60	-0.10	-0.15	0.11	-
5920.90												
		-5920.90	-2.97	1.14e-03	0.0	16.0	14.05	113.00	-0.10	-0.15	-1.43	-
4052.06												
						32.0	14.05	105.41	-0.10	-0.15	-2.97	-
2304.76												
44	8	-1.508e+04	3.65	-8.42e-03	-72.31	0.0	-40.10	422.94	0.06	-8.99	1.88	-
2.746e+04												
		-2.746e+04	1.88	1.06e-03	0.0	16.0	-40.10	386.78	0.06	-8.99	2.77	-
2.098e+04												
						32.0	-40.10	350.63	0.06	-8.99	3.65	-
1.508e+04												
44	9	-2304.76	0.11	-1.69e-03	-15.19	0.0	14.05	120.60	-0.10	-0.15	0.11	-
5920.90												
		-5920.90	-2.97	1.14e-03	0.0	16.0	14.05	113.00	-0.10	-0.15	-1.43	-
4052.06												
						32.0	14.05	105.41	-0.10	-0.15	-2.97	-
2304.76												
44	10	-1.326e+04	2.71	-7.46e-03	-64.15	0.0	-32.37	379.75	0.03	-7.73	1.63	-
2.438e+04												
		-2.438e+04	1.63	1.07e-03	0.0	16.0	-32.37	347.67	0.03	-7.73	2.17	-
1.856e+04												
						32.0	-32.37	315.60	0.03	-7.73	2.71	-
1.326e+04												
44	11	7646.20	-57.95	3.74e-03	-64.15	0.0	1042.50	-1260.61	-1.93	133.64	-57.95	-
3796.32												
		-3796.32	-64.44	0.04	0.0	16.0	1042.50	-1292.69	-1.93	133.64	-61.20	
2181.56												
						32.0	1042.50	-1324.77	-1.93	133.64	-64.44	
7646.20												
44	12	1.410e+04	-34.28	4.65e-03	-64.15	0.0	1341.88	-918.35	-0.15	81.14	-93.86	
3558.63												
		3558.63	-93.86	0.01	0.0	16.0	1341.88	-950.43	-0.15	81.14	-64.07	
9084.10												
						32.0	1341.88	-982.50	-0.15	81.14	-34.28	
1.410e+04												
44	13	-4.061e+04	97.13	-0.02	-64.15	0.0	-1406.61	1677.85	0.21	-96.60	97.13	-
5.232e+04												
		-5.232e+04	39.70	-9.85e-03	0.0	16.0	-1406.61	1645.77	0.21	-96.60	68.41	-
4.621e+04												
						32.0	-1406.61	1613.70	0.21	-96.60	39.70	-
4.061e+04												
44	14	-3.416e+04	69.85	-0.02	-64.15	0.0	-1107.23	2020.11	2.00	-149.10	61.21	-
4.497e+04												
		-4.497e+04	61.21	-0.04	0.0	16.0	-1107.23	1988.04	2.00	-149.10	65.53	-
3.931e+04												
						32.0	-1107.23	1955.96	2.00	-149.10	69.85	-
3.416e+04												
44	15	7708.45	-63.27	2.16e-03	-64.15	0.0	1423.50	-830.85	-1.84	146.25	-63.27	-
6032.36												
		-6032.36	-70.49	0.04	0.0	16.0	1423.50	-862.92	-1.84	146.25	-66.88	
1094.66												
						32.0	1423.50	-895.00	-1.84	146.25	-70.49	
7708.45												
44	16	1.403e+04	-28.23	6.22e-03	-64.15	0.0	960.88	-1348.12	-0.24	68.53	-88.54	
5794.67												
		5794.67	-88.54	9.11e-03	0.0	16.0	960.88	-1380.19	-0.24	68.53	-58.39	
1.017e+04												
						32.0	960.88	-1412.27	-0.24	68.53	-28.23	
1.403e+04												
44	17	-4.055e+04	91.81	-0.02	-64.15	0.0	-1025.61	2107.61	0.31	-83.99	91.81	-
5.456e+04												
		-5.456e+04	33.64	-6.98e-03	0.0	16.0	-1025.61	2075.54	0.31	-83.99	62.73	-

4.730e+04												
						32.0	-1025.61	2043.46	0.31	-83.99	33.64	-
4.055e+04												
44	18	-3.422e+04	75.90	-0.02	-64.15	0.0	-1488.23	1590.35	1.91	-161.70	66.54	-
4.273e+04												
		-4.273e+04	66.54	-0.04	0.0	16.0	-1488.23	1558.27	1.91	-161.70	71.22	-
3.822e+04												
						32.0	-1488.23	1526.19	1.91	-161.70	75.90	-
3.422e+04												
44	19	8143.67	-62.54	4.08e-03	-64.15	0.0	1091.02	-1278.32	-1.90	139.84	-62.54	-
3789.60												
		-3789.60	-63.92	0.04	0.0	16.0	1091.02	-1310.39	-1.90	139.84	-63.23	
2433.65												
						32.0	1091.02	-1342.47	-1.90	139.84	-63.92	
8143.67												
44	20	1.459e+04	-33.77	4.99e-03	-64.15	0.0	1390.40	-936.05	-0.12	87.34	-98.45	
3565.35												
		3565.35	-98.45	0.02	0.0	16.0	1390.40	-968.13	-0.12	87.34	-66.11	
9336.20												
						32.0	1390.40	-1000.21	-0.12	87.34	-33.77	
1.459e+04												
44	21	-4.111e+04	101.71	-0.02	-64.15	0.0	-1455.13	1695.55	0.19	-102.80	101.71	-
5.233e+04												
		-5.233e+04	39.18	-0.01	0.0	16.0	-1455.13	1663.48	0.19	-102.80	70.45	-
4.646e+04												
						32.0	-1455.13	1631.40	0.19	-102.80	39.18	-
4.111e+04												
44	22	-3.466e+04	69.34	-0.02	-64.15	0.0	-1155.75	2037.82	1.97	-155.30	65.80	-
4.498e+04												
		-4.498e+04	65.80	-0.04	0.0	16.0	-1155.75	2005.74	1.97	-155.30	67.57	-
3.956e+04												
						32.0	-1155.75	1973.66	1.97	-155.30	69.34	-
3.466e+04												
44	23	8205.92	-67.86	2.50e-03	-64.15	0.0	1472.02	-848.55	-1.81	152.45	-67.86	-
6025.64												
		-6025.64	-69.98	0.05	0.0	16.0	1472.02	-880.63	-1.81	152.45	-68.92	
1346.75												
						32.0	1472.02	-912.70	-1.81	152.45	-69.98	
8205.92												
44	24	1.453e+04	-27.72	6.56e-03	-64.15	0.0	1009.40	-1365.82	-0.21	74.74	-93.13	
5801.39												
		5801.39	-93.13	0.01	0.0	16.0	1009.40	-1397.90	-0.21	74.74	-60.42	
1.042e+04												
						32.0	1009.40	-1429.97	-0.21	74.74	-27.72	
1.453e+04												
44	25	-4.105e+04	96.39	-0.02	-64.15	0.0	-1074.13	2125.32	0.28	-90.19	96.39	-
5.457e+04												
		-5.457e+04	33.13	-0.01	0.0	16.0	-1074.13	2093.24	0.28	-90.19	64.76	-
4.755e+04												
						32.0	-1074.13	2061.16	0.28	-90.19	33.13	-
4.105e+04												
44	26	-3.472e+04	75.39	-0.02	-64.15	0.0	-1536.75	1608.05	1.88	-167.91	71.12	-
4.274e+04												
		-4.274e+04	71.12	-0.04	0.0	16.0	-1536.75	1575.97	1.88	-167.91	73.26	-
3.847e+04												
						32.0	-1536.75	1543.90	1.88	-167.91	75.39	-
3.472e+04												
44	27	-1.677e+04	38.22	-5.47e-03	-64.15	0.0	-163.97	-631.46	-3.27	114.31	38.22	-
2.936e+04												
		-2.936e+04	-63.17	0.05	0.0	16.0	-163.97	-663.54	-3.27	114.31	-12.47	-
2.281e+04												
						32.0	-163.97	-695.61	-3.27	114.31	-63.17	-
1.677e+04												
44	28	4731.53	37.34	-2.46e-03	-64.15	0.0	833.97	509.42	2.69	-60.69	-81.48	-
4845.36												
		-4845.36	-81.48	-0.03	0.0	16.0	833.97	477.34	2.69	-60.69	-22.07	199.70
						32.0	833.97	445.27	2.69	-60.69	37.34	
4731.53												
44	29	-3.125e+04	84.75	-0.01	-64.15	0.0	-898.70	250.08	-2.62	45.24	84.75	-
4.392e+04												
		-4.392e+04	-31.93	0.04	0.0	16.0	-898.70	218.00	-2.62	45.24	26.41	-
3.733e+04												

						32.0	-898.70	185.93	-2.62	45.24	-31.93	-
3.125e+04												
44	30	-9745.59	68.58	-9.45e-03	-64.15	0.0	99.23	1390.96	3.33	-129.76	-34.96	-
1.940e+04												
		-1.940e+04	-34.96	-0.05	0.0	16.0	99.23	1358.88	3.33	-129.76	16.81	-
1.432e+04												
						32.0	99.23	1326.80	3.33	-129.76	68.58	-
9745.59												
44	31	-1.662e+04	36.85	-5.37e-03	-64.15	0.0	-149.41	-636.77	-3.26	116.17	36.85	-
2.936e+04												
		-2.936e+04	-63.02	0.05	0.0	16.0	-149.41	-668.85	-3.26	116.17	-13.09	-
2.273e+04												
						32.0	-149.41	-700.92	-3.26	116.17	-63.02	-
1.662e+04												
44	32	4880.77	37.50	-2.36e-03	-64.15	0.0	848.52	504.11	2.70	-58.83	-82.86	-
4843.34												
		-4843.34	-82.86	-0.03	0.0	16.0	848.52	472.03	2.70	-58.83	-22.68	275.33
						32.0	848.52	439.95	2.70	-58.83	37.50	
4880.77												
44	33	-3.140e+04	86.12	-0.01	-64.15	0.0	-913.26	255.39	-2.63	43.38	86.12	-
4.392e+04												
		-4.392e+04	-32.09	0.04	0.0	16.0	-913.26	223.31	-2.63	43.38	27.02	-
3.740e+04												
						32.0	-913.26	191.24	-2.63	43.38	-32.09	-
3.140e+04												
44	34	-9894.83	68.43	-9.55e-03	-64.15	0.0	84.68	1396.27	3.32	-131.62	-33.58	-
1.941e+04												
		-1.941e+04	-33.58	-0.05	0.0	16.0	84.68	1364.19	3.32	-131.62	17.42	-
1.439e+04												
						32.0	84.68	1332.12	3.32	-131.62	68.43	-
9894.83												
44	35	-1.656e+04	20.49	-0.01	-64.15	0.0	1106.03	801.09	-2.96	156.33	20.49	-
3.682e+04												
		-3.682e+04	-83.34	0.06	0.0	16.0	1106.03	769.02	-2.96	156.33	-31.43	-
2.643e+04												
						32.0	1106.03	736.94	-2.96	156.33	-83.34	-
1.656e+04												
44	36	4524.04	57.51	2.81e-03	-64.15	0.0	-436.03	-923.13	2.39	-102.71	-63.75	
2608.10												
		2608.10	-63.75	-0.04	0.0	16.0	-436.03	-955.21	2.39	-102.71	-3.12	
3822.69												
						32.0	-436.03	-987.29	2.39	-102.71	57.51	
4524.04												
44	37	-3.104e+04	67.01	-0.02	-64.15	0.0	371.30	1682.63	-2.32	87.26	67.01	-
5.137e+04												
		-5.137e+04	-52.10	0.05	0.0	16.0	371.30	1650.56	-2.32	87.26	7.45	-
4.095e+04												
						32.0	371.30	1618.48	-2.32	87.26	-52.10	-
3.104e+04												
44	38	-9953.08	88.75	-4.19e-03	-64.15	0.0	-1170.76	-41.59	3.03	-171.78	-17.22	-
1.195e+04												
		-1.195e+04	-17.22	-0.06	0.0	16.0	-1170.76	-73.67	3.03	-171.78	35.77	-
1.070e+04												
						32.0	-1170.76	-105.75	3.03	-171.78	88.75	-
9953.08												
44	39	-1.641e+04	19.11	-0.01	-64.15	0.0	1120.59	795.78	-2.95	158.19	19.11	-
3.681e+04												
		-3.681e+04	-83.19	0.06	0.0	16.0	1120.59	763.71	-2.95	158.19	-32.04	-
2.636e+04												
						32.0	1120.59	731.63	-2.95	158.19	-83.19	-
1.641e+04												
44	40	4673.28	57.67	2.91e-03	-64.15	0.0	-421.47	-928.44	2.40	-100.85	-65.12	
2610.12												
		2610.12	-65.12	-0.04	0.0	16.0	-421.47	-960.52	2.40	-100.85	-3.73	
3898.32												
						32.0	-421.47	-992.60	2.40	-100.85	57.67	
4673.28												
44	41	-3.119e+04	68.39	-0.02	-64.15	0.0	356.74	1687.94	-2.33	85.40	68.39	-
5.138e+04												
		-5.138e+04	-52.26	0.05	0.0	16.0	356.74	1655.87	-2.33	85.40	8.06	-
4.103e+04												
						32.0	356.74	1623.79	-2.33	85.40	-52.26	-

3.119e+04												
44	42	-1.010e+04	88.60	-4.29e-03	-64.15	0.0	-1185.32	-36.28	3.02	-173.65	-15.85	-
1.195e+04												
		-1.195e+04	-15.85	-0.06	0.0	16.0	-1185.32	-68.36	3.02	-173.65	36.38	-
1.077e+04												
						32.0	-1185.32	-100.44	3.02	-173.65	88.60	-
1.010e+04												
44	43	3214.70	-45.24	1.32e-03	-64.15	0.0	815.46	-907.49	-1.51	103.60	-45.24	-
8221.32												
		-8221.32	-50.33	0.03	0.0	16.0	815.46	-939.56	-1.51	103.60	-47.78	-
2246.70												
						32.0	815.46	-971.64	-1.51	103.60	-50.33	
3214.70												
44	44	8294.61	-26.47	2.04e-03	-64.15	0.0	1048.57	-641.44	-0.10	62.36	-73.28	-
2517.23												
		-2517.23	-73.28	9.66e-03	0.0	16.0	1048.57	-673.52	-0.10	62.36	-49.88	
3145.30												
						32.0	1048.57	-705.60	-0.10	62.36	-26.47	
8294.61												
44	45	-3.481e+04	76.55	-0.02	-64.15	0.0	-1113.30	1400.94	0.17	-77.81	76.55	-
4.625e+04												
		-4.625e+04	31.89	-7.53e-03	0.0	16.0	-1113.30	1368.87	0.17	-77.81	54.22	-
4.027e+04												
						32.0	-1113.30	1336.79	0.17	-77.81	31.89	-
3.481e+04												
44	46	-2.973e+04	55.74	-0.02	-64.15	0.0	-880.19	1666.98	1.58	-119.06	48.50	-
4.054e+04												
		-4.054e+04	48.50	-0.03	0.0	16.0	-880.19	1634.91	1.58	-119.06	52.12	-
3.488e+04												
						32.0	-880.19	1602.83	1.58	-119.06	55.74	-
2.973e+04												
44	47	3267.94	-49.57	1.82e-04	-64.15	0.0	1113.92	-571.39	-1.44	113.65	-49.57	-
1.002e+04												
		-1.002e+04	-55.13	0.03	0.0	16.0	1113.92	-603.46	-1.44	113.65	-52.35	-
3117.17												
						32.0	1113.92	-635.54	-1.44	113.65	-55.13	
3267.94												
44	48	8241.37	-21.67	3.30e-03	-64.15	0.0	750.11	-977.54	-0.17	52.31	-68.95	-
723.06												
		-723.06	-68.95	7.38e-03	0.0	16.0	750.11	-1009.62	-0.17	52.31	-45.31	
4015.77												
						32.0	750.11	-1041.69	-0.17	52.31	-21.67	
8241.37												
44	49	-3.476e+04	72.22	-0.02	-64.15	0.0	-814.84	1737.04	0.24	-67.76	72.22	-
4.804e+04												
		-4.804e+04	27.08	-5.25e-03	0.0	16.0	-814.84	1704.96	0.24	-67.76	49.65	-
4.114e+04												
						32.0	-814.84	1672.89	0.24	-67.76	27.08	-
3.476e+04												
44	50	-2.978e+04	60.55	-0.01	-64.15	0.0	-1178.65	1330.89	1.50	-129.11	52.83	-
3.875e+04												
		-3.875e+04	52.83	-0.03	0.0	16.0	-1178.65	1298.81	1.50	-129.11	56.69	-
3.401e+04												
						32.0	-1178.65	1266.73	1.50	-129.11	60.55	-
2.978e+04												
44	51	3595.89	-48.80	1.58e-03	-64.15	0.0	852.47	-919.19	-1.49	108.42	-48.80	-
8283.40												
		-8283.40	-49.85	0.03	0.0	16.0	852.47	-951.27	-1.49	108.42	-49.32	-
2087.14												
						32.0	852.47	-983.35	-1.49	108.42	-49.85	
3595.89												
44	52	8675.80	-26.00	2.30e-03	-64.15	0.0	1085.58	-653.15	-0.07	67.18	-76.84	-
2579.31												
		-2579.31	-76.84	0.01	0.0	16.0	1085.58	-685.23	-0.07	67.18	-51.42	
3304.86												
						32.0	1085.58	-717.30	-0.07	67.18	-26.00	
8675.80												
44	53	-3.519e+04	80.11	-0.02	-64.15	0.0	-1150.32	1412.65	0.14	-82.64	80.11	-
4.619e+04												
		-4.619e+04	31.41	-0.01	0.0	16.0	-1150.32	1380.57	0.14	-82.64	55.76	-
4.043e+04												
						32.0	-1150.32	1348.50	0.14	-82.64	31.41	-

3.519e+04												
44	54	-3.011e+04	55.27	-0.02	-64.15	0.0	-917.21	1678.69	1.55	-123.88	52.06	-
4.048e+04												
		-4.048e+04	52.06	-0.03	0.0	16.0	-917.21	1646.62	1.55	-123.88	53.66	-
3.504e+04												
						32.0	-917.21	1614.54	1.55	-123.88	55.27	-
3.011e+04												
44	55	3649.13	-53.12	3.20e-04	-64.15	0.0	1150.93	-583.09	-1.41	118.48	-53.12	-
1.008e+04												
		-1.008e+04	-54.66	0.04	0.0	16.0	1150.93	-615.17	-1.41	118.48	-53.89	-
2957.61												
						32.0	1150.93	-647.25	-1.41	118.48	-54.66	
3649.13												
44	56	8622.56	-21.19	3.55e-03	-64.15	0.0	787.12	-989.25	-0.15	57.13	-72.51	-
785.13												
		-785.13	-72.51	0.01	0.0	16.0	787.12	-1021.33	-0.15	57.13	-46.85	
4175.33												
						32.0	787.12	-1053.40	-0.15	57.13	-21.19	
8622.56												
44	57	-3.514e+04	75.78	-0.02	-64.15	0.0	-851.86	1748.75	0.21	-72.59	75.78	-
4.798e+04												
		-4.798e+04	26.61	-8.99e-03	0.0	16.0	-851.86	1716.67	0.21	-72.59	51.19	-
4.130e+04												
						32.0	-851.86	1684.59	0.21	-72.59	26.61	-
3.514e+04												
44	58	-3.016e+04	60.07	-0.02	-64.15	0.0	-1215.67	1342.59	1.48	-133.93	56.39	-
3.869e+04												
		-3.869e+04	56.39	-0.03	0.0	16.0	-1215.67	1310.52	1.48	-133.93	58.23	-
3.417e+04												
						32.0	-1215.67	1278.44	1.48	-133.93	60.07	-
3.016e+04												
44	59	-1.602e+04	30.11	-5.92e-03	-64.15	0.0	-131.57	-409.92	-2.57	88.22	30.11	-
2.819e+04												
		-2.819e+04	-49.38	0.04	0.0	16.0	-131.57	-442.00	-2.57	88.22	-9.64	-
2.185e+04												
						32.0	-131.57	-474.07	-2.57	88.22	-49.38	-
1.602e+04												
44	60	912.83	30.13	-3.52e-03	-64.15	0.0	645.47	476.89	2.13	-49.26	-63.38	-
9171.93												
		-9171.93	-63.38	-0.03	0.0	16.0	645.47	444.81	2.13	-49.26	-16.63	-
3872.93												
						32.0	645.47	412.74	2.13	-49.26	30.13	912.83
44	61	-2.743e+04	66.64	-0.01	-64.15	0.0	-710.20	282.61	-2.07	33.80	66.64	-
3.959e+04												
		-3.959e+04	-24.72	0.03	0.0	16.0	-710.20	250.53	-2.07	33.80	20.96	-
3.325e+04												
						32.0	-710.20	218.46	-2.07	33.80	-24.72	-
2.743e+04												
44	62	-1.049e+04	54.79	-9.00e-03	-64.15	0.0	66.84	1169.42	2.64	-103.68	-26.85	-
2.058e+04												
		-2.058e+04	-26.85	-0.04	0.0	16.0	66.84	1137.34	2.64	-103.68	13.97	-
1.528e+04												
						32.0	66.84	1105.26	2.64	-103.68	54.79	-
1.049e+04												
44	63	-1.591e+04	29.04	-5.85e-03	-64.15	0.0	-120.47	-413.43	-2.56	89.67	29.04	-
2.820e+04												
		-2.820e+04	-49.24	0.04	0.0	16.0	-120.47	-445.51	-2.56	89.67	-10.10	-
2.180e+04												
						32.0	-120.47	-477.58	-2.56	89.67	-49.24	-
1.591e+04												
44	64	1027.19	30.27	-3.44e-03	-64.15	0.0	656.57	473.38	2.14	-47.81	-64.45	-
9190.55												
		-9190.55	-64.45	-0.03	0.0	16.0	656.57	441.30	2.14	-47.81	-17.09	-
3825.07												
						32.0	656.57	409.22	2.14	-47.81	30.27	
1027.19												
44	65	-2.754e+04	67.71	-0.01	-64.15	0.0	-721.31	286.12	-2.07	32.35	67.71	-
3.958e+04												
		-3.958e+04	-24.86	0.03	0.0	16.0	-721.31	254.05	-2.07	32.35	21.43	-
3.330e+04												
						32.0	-721.31	221.97	-2.07	32.35	-24.86	-
2.754e+04												

44	66	-1.061e+04	54.65	-9.08e-03	-64.15	0.0	55.73	1172.93	2.63	-105.13	-25.78	-2.056e+04
		-2.056e+04	-25.78	-0.04	0.0	16.0	55.73	1140.85	2.63	-105.13	14.44	-1.533e+04
						32.0	55.73	1108.78	2.63	-105.13	54.65	-1.061e+04
44	67	-1.584e+04	15.68	-0.01	-64.15	0.0	863.29	710.41	-2.33	121.73	15.68	-3.417e+04
		-3.417e+04	-65.41	0.05	0.0	16.0	863.29	678.33	-2.33	121.73	-24.86	-2.475e+04
						32.0	863.29	646.26	-2.33	121.73	-65.41	-1.584e+04
44	68	735.37	46.15	6.69e-04	-64.15	0.0	-349.40	-643.44	1.89	-82.76	-48.95	-3191.33
		-3191.33	-48.95	-0.04	0.0	16.0	-349.40	-675.52	1.89	-82.76	-1.40	-971.37
						32.0	-349.40	-707.59	1.89	-82.76	46.15	735.37
44	69	-2.725e+04	52.21	-0.02	-64.15	0.0	284.67	1402.94	-1.83	67.30	52.21	-4.557e+04
		-4.557e+04	-40.74	0.04	0.0	16.0	284.67	1370.86	-1.83	67.30	5.74	-3.616e+04
						32.0	284.67	1338.78	-1.83	67.30	-40.74	-2.725e+04
44	70	-1.067e+04	70.82	-4.82e-03	-64.15	0.0	-928.03	49.09	2.40	-137.18	-12.42	-1.460e+04
		-1.460e+04	-12.42	-0.05	0.0	16.0	-928.03	17.01	2.40	-137.18	29.20	-1.238e+04
						32.0	-928.03	-15.06	2.40	-137.18	70.82	-1.067e+04
44	71	-1.573e+04	14.61	-0.01	-64.15	0.0	874.40	706.90	-2.32	123.17	14.61	-3.418e+04
		-3.418e+04	-65.26	0.05	0.0	16.0	874.40	674.82	-2.32	123.17	-25.33	-2.470e+04
						32.0	874.40	642.74	-2.32	123.17	-65.26	-1.573e+04
44	72	849.72	46.30	7.45e-04	-64.15	0.0	-338.30	-646.95	1.90	-81.31	-50.02	-3209.95
		-3209.95	-50.02	-0.03	0.0	16.0	-338.30	-679.03	1.90	-81.31	-1.86	-923.50
						32.0	-338.30	-711.10	1.90	-81.31	46.30	849.72
44	73	-2.736e+04	53.28	-0.02	-64.15	0.0	273.56	1406.45	-1.83	65.85	53.28	-4.556e+04
		-4.556e+04	-40.88	0.04	0.0	16.0	273.56	1374.37	-1.83	65.85	6.20	-3.620e+04
						32.0	273.56	1342.30	-1.83	65.85	-40.88	-2.736e+04
44	74	-1.079e+04	70.68	-4.89e-03	-64.15	0.0	-939.13	52.60	2.39	-138.63	-11.35	-1.458e+04
		-1.458e+04	-11.35	-0.05	0.0	16.0	-939.13	20.53	2.39	-138.63	29.66	-1.243e+04
						32.0	-939.13	-11.55	2.39	-138.63	70.68	-1.079e+04
44	75	383.25	-37.23	-1.74e-04	-64.15	0.0	669.81	-687.26	-1.25	84.43	-37.23	-1.097e+04
		-1.097e+04	-41.17	0.03	0.0	16.0	669.81	-719.34	-1.25	84.43	-39.20	-5036.98
						32.0	669.81	-751.41	-1.25	84.43	-41.17	383.25
44	76	4586.47	-21.45	4.21e-04	-64.15	0.0	862.89	-466.75	-0.08	50.32	-60.44	-6243.88
		-6243.88	-60.44	8.19e-03	0.0	16.0	862.89	-498.83	-0.08	50.32	-40.94	-572.09
						32.0	862.89	-530.91	-0.08	50.32	-21.45	4586.47
44	77	-3.110e+04	63.70	-0.02	-64.15	0.0	-927.63	1226.25	0.15	-65.77	63.70	-4.252e+04
		-4.252e+04	26.86	-6.05e-03	0.0	16.0	-927.63	1194.18	0.15	-65.77	45.28	-3.655e+04
						32.0	-927.63	1162.10	0.15	-65.77	26.86	-3.110e+04
44	78	-2.690e+04	46.58	-0.01	-64.15	0.0	-734.54	1446.76	1.31	-99.88	40.49	-3.780e+04
		-3.780e+04	40.49	-0.02	0.0	16.0	-734.54	1414.68	1.31	-99.88	43.53	-

3.209e+04												
						32.0	-734.54	1382.61	1.31	-99.88	46.58	-
2.690e+04												
44	79	426.75	-40.80	-1.21e-03	-64.15	0.0	916.83	-408.95	-1.19	92.73	-40.80	-
1.245e+04												
		-1.245e+04	-45.14	0.03	0.0	16.0	916.83	-441.03	-1.19	92.73	-42.97	-
5755.48												
						32.0	916.83	-473.10	-1.19	92.73	-45.14	426.75
44	80	4542.97	-17.48	1.46e-03	-64.15	0.0	615.87	-745.07	-0.14	42.02	-56.87	-
4763.38												
		-4763.38	-56.87	6.31e-03	0.0	16.0	615.87	-777.14	-0.14	42.02	-37.17	146.41
						32.0	615.87	-809.22	-0.14	42.02	-17.48	
4542.97												
44	81	-3.106e+04	60.13	-0.02	-64.15	0.0	-680.61	1504.57	0.21	-57.47	60.13	-
4.400e+04												
		-4.400e+04	22.89	-4.17e-03	0.0	16.0	-680.61	1472.49	0.21	-57.47	41.51	-
3.727e+04												
						32.0	-680.61	1440.41	0.21	-57.47	22.89	-
3.106e+04												
44	82	-2.694e+04	50.55	-0.01	-64.15	0.0	-981.56	1168.45	1.25	-108.19	44.06	-
3.631e+04												
		-3.631e+04	44.06	-0.02	0.0	16.0	-981.56	1136.37	1.25	-108.19	47.31	-
3.137e+04												
						32.0	-981.56	1104.29	1.25	-108.19	50.55	-
2.694e+04												
44	83	692.30	-40.14	2.44e-04	-64.15	0.0	700.17	-696.55	-1.22	88.39	-40.14	-
1.103e+04												
		-1.103e+04	-40.78	0.03	0.0	16.0	700.17	-728.62	-1.22	88.39	-40.46	-
4910.75												
						32.0	700.17	-760.70	-1.22	88.39	-40.78	692.30
44	84	4895.52	-21.06	6.26e-04	-64.15	0.0	893.26	-476.04	-0.06	54.28	-63.35	-
6300.46												
		-6300.46	-63.35	0.01	0.0	16.0	893.26	-508.12	-0.06	54.28	-42.21	-
445.86												
						32.0	893.26	-540.19	-0.06	54.28	-21.06	
4895.52												
44	85	-3.141e+04	66.62	-0.02	-64.15	0.0	-957.99	1235.54	0.12	-69.74	66.62	-
4.247e+04												
		-4.247e+04	26.47	-9.14e-03	0.0	16.0	-957.99	1203.46	0.12	-69.74	46.54	-
3.668e+04												
						32.0	-957.99	1171.39	0.12	-69.74	26.47	-
3.141e+04												
44	86	-2.721e+04	46.19	-0.01	-64.15	0.0	-764.90	1456.05	1.29	-103.85	43.41	-
3.774e+04												
		-3.774e+04	43.41	-0.03	0.0	16.0	-764.90	1423.97	1.29	-103.85	44.80	-
3.222e+04												
						32.0	-764.90	1391.89	1.29	-103.85	46.19	-
2.721e+04												
44	87	735.80	-43.71	-1.01e-03	-64.15	0.0	947.19	-418.23	-1.16	96.70	-43.71	-
1.251e+04												
		-1.251e+04	-44.75	0.03	0.0	16.0	947.19	-450.31	-1.16	96.70	-44.23	-
5629.25												
						32.0	947.19	-482.39	-1.16	96.70	-44.75	735.80
44	88	4852.02	-17.09	1.66e-03	-64.15	0.0	646.23	-754.35	-0.12	45.98	-59.78	-
4819.96												
		-4819.96	-59.78	9.39e-03	0.0	16.0	646.23	-786.43	-0.12	45.98	-38.44	272.65
						32.0	646.23	-818.51	-0.12	45.98	-17.09	
4852.02												
44	89	-3.137e+04	63.05	-0.02	-64.15	0.0	-710.97	1513.85	0.18	-61.44	63.05	-
4.395e+04												
		-4.395e+04	22.50	-7.25e-03	0.0	16.0	-710.97	1481.77	0.18	-61.44	42.77	-
3.740e+04												
						32.0	-710.97	1449.70	0.18	-61.44	22.50	-
3.137e+04												
44	90	-2.725e+04	50.16	-0.01	-64.15	0.0	-1011.92	1177.73	1.23	-112.15	46.98	-
3.626e+04												
		-3.626e+04	46.98	-0.03	0.0	16.0	-1011.92	1145.66	1.23	-112.15	48.57	-
3.150e+04												
						32.0	-1011.92	1113.58	1.23	-112.15	50.16	-
2.725e+04												
44	91	-1.554e+04	25.17	-6.18e-03	-64.15	0.0	-114.56	-274.79	-2.12	71.66	25.17	-
2.753e+04												

		-2.753e+04	-40.36	0.03	0.0	16.0	-114.56	-306.86	-2.12	71.66	-7.59	-
2.128e+04												
						32.0	-114.56	-338.94	-2.12	71.66	-40.36	-
1.554e+04												
44	92	-1529.26	25.37	-4.19e-03	-64.15	0.0	529.06	460.23	1.77	-42.05	-52.19	-
1.177e+04												
		-1.177e+04	-52.19	-0.02	0.0	16.0	529.06	428.16	1.77	-42.05	-13.41	-
6394.26												
						32.0	529.06	396.08	1.77	-42.05	25.37	-
1529.26												
44	93	-2.499e+04	55.45	-0.01	-64.15	0.0	-593.80	299.27	-1.70	26.60	55.45	-
3.699e+04												
		-3.699e+04	-19.95	0.02	0.0	16.0	-593.80	267.19	-1.70	26.60	17.75	-
3.073e+04												
						32.0	-593.80	235.11	-1.70	26.60	-19.95	-
2.499e+04												
44	94	-1.097e+04	45.77	-8.75e-03	-64.15	0.0	49.83	1034.29	2.19	-87.11	-21.91	-
2.124e+04												
		-2.124e+04	-21.91	-0.03	0.0	16.0	49.83	1002.21	2.19	-87.11	11.93	-
1.585e+04												
						32.0	49.83	970.13	2.19	-87.11	45.77	-
1.097e+04												
44	95	-1.545e+04	24.30	-6.12e-03	-64.15	0.0	-105.46	-277.57	-2.11	72.85	24.30	-
2.754e+04												
		-2.754e+04	-40.24	0.03	0.0	16.0	-105.46	-309.65	-2.11	72.85	-7.97	-
2.124e+04												
						32.0	-105.46	-341.73	-2.11	72.85	-40.24	-
1.545e+04												
44	96	-1436.55	25.48	-4.13e-03	-64.15	0.0	538.17	457.45	1.78	-40.86	-53.06	-
1.179e+04												
		-1.179e+04	-53.06	-0.02	0.0	16.0	538.17	425.37	1.78	-40.86	-13.79	-
6356.39												
						32.0	538.17	393.29	1.78	-40.86	25.48	-
1436.55												
44	97	-2.508e+04	56.33	-0.01	-64.15	0.0	-602.90	302.05	-1.71	25.41	56.33	-
3.698e+04												
		-3.698e+04	-20.07	0.02	0.0	16.0	-602.90	269.98	-1.71	25.41	18.13	-
3.077e+04												
						32.0	-602.90	237.90	-1.71	25.41	-20.07	-
2.508e+04												
44	98	-1.107e+04	45.66	-8.81e-03	-64.15	0.0	40.72	1037.07	2.18	-88.30	-21.04	-
2.122e+04												
		-2.122e+04	-21.04	-0.03	0.0	16.0	40.72	1005.00	2.18	-88.30	12.31	-
1.589e+04												
						32.0	40.72	972.92	2.18	-88.30	45.66	-
1.107e+04												
44	99	-1.539e+04	13.27	-9.64e-03	-64.15	0.0	708.84	652.92	-1.92	99.33	13.27	-
3.246e+04												
		-3.246e+04	-53.60	0.04	0.0	16.0	708.84	620.84	-1.92	99.33	-20.16	-
2.367e+04												
						32.0	708.84	588.76	-1.92	99.33	-53.60	-
1.539e+04												
44	100	-1674.26	38.60	-7.39e-04	-64.15	0.0	-294.35	-467.47	1.57	-69.72	-40.29	-
6837.49												
		-6837.49	-40.29	-0.03	0.0	16.0	-294.35	-499.55	1.57	-69.72	-0.84	-
3999.26												
						32.0	-294.35	-531.63	1.57	-69.72	38.60	-
1674.26												
44	101	-2.484e+04	43.55	-0.01	-64.15	0.0	229.61	1226.97	-1.50	54.27	43.55	-
4.193e+04												
		-4.193e+04	-33.19	0.03	0.0	16.0	229.61	1194.90	-1.50	54.27	5.18	-
3.313e+04												
						32.0	229.61	1162.82	-1.50	54.27	-33.19	-
2.484e+04												
44	102	-1.112e+04	59.01	-5.29e-03	-64.15	0.0	-773.58	106.58	1.99	-114.78	-10.01	-
1.630e+04												
		-1.630e+04	-10.01	-0.04	0.0	16.0	-773.58	74.50	1.99	-114.78	24.50	-
1.345e+04												
						32.0	-773.58	42.43	1.99	-114.78	59.01	-
1.112e+04												
44	103	-1.530e+04	12.40	-9.57e-03	-64.15	0.0	717.95	650.13	-1.91	100.52	12.40	-
3.248e+04												

		-3.248e+04	-53.48	0.04	0.0	16.0	717.95	618.06	-1.91	100.52	-20.54	-
2.363e+04												
						32.0	717.95	585.98	-1.91	100.52	-53.48	-
1.530e+04												
44	104	-1581.55	38.72	-6.77e-04	-64.15	0.0	-285.24	-470.26	1.58	-68.53	-41.16	-
6854.47												
		-6854.47	-41.16	-0.03	0.0	16.0	-285.24	-502.34	1.58	-68.53	-1.22	-
3961.39												
						32.0	-285.24	-534.41	1.58	-68.53	38.72	-
1581.55												
44	105	-2.493e+04	44.43	-0.01	-64.15	0.0	220.50	1229.76	-1.51	53.08	44.43	-
4.191e+04												
		-4.191e+04	-33.31	0.03	0.0	16.0	220.50	1197.68	-1.51	53.08	5.56	-
3.317e+04												
						32.0	220.50	1165.60	-1.51	53.08	-33.31	-
2.493e+04												
44	106	-1.121e+04	58.89	-5.35e-03	-64.15	0.0	-782.69	109.37	1.98	-115.97	-9.14	-
1.629e+04												
		-1.629e+04	-9.14	-0.04	0.0	16.0	-782.69	77.29	1.98	-115.97	24.88	-
1.349e+04												
						32.0	-782.69	45.21	1.98	-115.97	58.89	-
1.121e+04												
45	1	-4052.10	4.22	-1.75e-03	-21.06	0.0	-36.79	100.94	0.15	0.61	-0.60	-
6945.11												
		-6945.11	-0.60	1.48e-03	0.0	16.0	-36.79	90.41	0.15	0.61	1.81	-
5414.38												
						32.0	-36.79	79.88	0.15	0.61	4.22	-
4052.10												
45	2	-2.997e+04	19.41	-0.02	-143.46	0.0	-41.09	882.37	0.57	-18.29	1.21	-
5.591e+04												
		-5.591e+04	1.21	1.29e-03	0.0	16.0	-41.09	810.65	0.57	-18.29	10.31	-
4.237e+04												
						32.0	-41.09	738.92	0.57	-18.29	19.41	-
2.997e+04												
45	3	-2627.80	2.96	-1.05e-03	-13.89	0.0	-28.22	62.90	0.11	0.83	-0.50	-
4418.25												
		-4418.25	-0.50	1.14e-03	0.0	16.0	-28.22	55.95	0.11	0.83	1.23	-
3467.47												
						32.0	-28.22	49.01	0.11	0.83	2.96	-
2627.80												
45	4	-2.855e+04	18.15	-0.02	-136.29	0.0	-32.52	844.33	0.53	-18.08	1.32	-
5.339e+04												
		-5.339e+04	1.32	9.56e-04	0.0	16.0	-32.52	776.19	0.53	-18.08	9.73	-
4.042e+04												
						32.0	-32.52	708.05	0.53	-18.08	18.15	-
2.855e+04												
45	5	-2904.30	3.12	-1.21e-03	-15.19	0.0	-28.26	71.23	0.11	0.62	-0.48	-
4940.59												
		-4940.59	-0.48	1.14e-03	0.0	16.0	-28.26	63.63	0.11	0.62	1.32	-
3861.67												
						32.0	-28.26	56.04	0.11	0.62	3.12	-
2904.30												
45	6	-2.019e+04	13.24	-0.01	-96.79	0.0	-31.13	592.19	0.39	-11.98	0.73	-
3.759e+04												
		-3.759e+04	0.73	1.02e-03	0.0	16.0	-31.13	543.79	0.39	-11.98	6.99	-
2.850e+04												
						32.0	-31.13	495.40	0.39	-11.98	13.24	-
2.019e+04												
45	7	-2904.30	3.12	-1.21e-03	-15.19	0.0	-28.26	71.23	0.11	0.62	-0.48	-
4940.59												
		-4940.59	-0.48	1.14e-03	0.0	16.0	-28.26	63.63	0.11	0.62	1.32	-
3861.67												
						32.0	-28.26	56.04	0.11	0.62	3.12	-
2904.30												
45	8	-1.500e+04	10.21	-8.51e-03	-72.31	0.0	-30.27	435.90	0.31	-8.20	0.37	-
2.779e+04												
		-2.779e+04	0.37	1.05e-03	0.0	16.0	-30.27	399.75	0.31	-8.20	5.29	-
2.111e+04												
						32.0	-30.27	363.59	0.31	-8.20	10.21	-
1.500e+04												
45	9	-2904.30	3.12	-1.21e-03	-15.19	0.0	-28.26	71.23	0.11	0.62	-0.48	-
4940.59												

		-4940.59	-0.48	1.14e-03	0.0	16.0	-28.26	63.63	0.11	0.62	1.32	-3861.67
						32.0	-28.26	56.04	0.11	0.62	3.12	-2904.30
45	10	-1.327e+04	9.19	-7.47e-03	-64.15	0.0	-29.99	383.81	0.28	-6.94	0.25	-2.453e+04
		-2.453e+04	0.25	1.06e-03	0.0	16.0	-29.99	351.73	0.28	-6.94	4.72	-1.864e+04
						32.0	-29.99	319.65	0.28	-6.94	9.19	-1.327e+04
45	11	4423.84	-52.52	3.87e-03	-64.15	0.0	-1081.27	-1431.15	-1.38	134.46	-52.52	4423.84
		-3.446e+04	-59.64	0.04	0.0	16.0	-1081.27	-1463.23	-1.38	134.46	-56.08	-1.476e+04
						32.0	-1081.27	-1495.31	-1.38	134.46	-59.64	-3.446e+04
45	12	1.332e+04	-28.83	3.57e-03	-64.15	0.0	-1453.45	-945.19	0.50	81.90	-89.98	1.332e+04
		-2.722e+04	-89.98	0.01	0.0	16.0	-1453.45	-977.26	0.50	81.90	-59.41	-6695.58
						32.0	-1453.45	-1009.34	0.50	81.90	-28.83	-2.722e+04
45	13	675.14	90.48	-0.02	-64.15	0.0	1393.48	1712.80	0.06	-95.78	90.48	-6.237e+04
		-6.237e+04	47.22	-9.85e-03	0.0	16.0	1393.48	1680.72	0.06	-95.78	68.85	-3.059e+04
						32.0	1393.48	1648.64	0.06	-95.78	47.22	675.14
45	14	7917.79	78.03	-0.02	-64.15	0.0	1021.30	2198.77	1.94	-148.33	53.01	-5.348e+04
		-5.348e+04	53.01	-0.04	0.0	16.0	1021.30	2166.69	1.94	-148.33	65.52	-2.252e+04
						32.0	1021.30	2134.61	1.94	-148.33	78.03	-7917.79
45	15	1.555e+04	-58.18	5.26e-03	-64.15	0.0	-1562.80	-1557.85	-1.31	147.07	-58.18	1.555e+04
		-3.614e+04	-65.92	0.04	0.0	16.0	-1562.80	-1589.92	-1.31	147.07	-62.05	-1.004e+04
						32.0	-1562.80	-1622.00	-1.31	147.07	-65.92	-3.614e+04
45	16	2189.60	-22.56	2.20e-03	-64.15	0.0	-971.92	-818.49	0.44	69.29	-84.32	2189.60
		-2.554e+04	-84.32	9.11e-03	0.0	16.0	-971.92	-850.57	0.44	69.29	-53.44	-1.142e+04
						32.0	-971.92	-882.65	0.44	69.29	-22.56	-2.554e+04
45	17	-1004.77	84.81	-0.02	-64.15	0.0	911.95	1586.11	0.12	-83.17	84.81	-5.125e+04
		-5.125e+04	40.95	-6.98e-03	0.0	16.0	911.95	1554.03	0.12	-83.17	62.88	-2.587e+04
						32.0	911.95	1521.95	0.12	-83.17	40.95	-1004.77
45	18	9597.69	84.30	-0.02	-64.15	0.0	1502.83	2325.46	1.87	-160.94	58.67	-6.461e+04
		-6.461e+04	58.67	-0.04	0.0	16.0	1502.83	2293.38	1.87	-160.94	71.49	-2.725e+04
						32.0	1502.83	2261.30	1.87	-160.94	84.30	-9597.69
45	19	6992.94	-57.98	5.27e-03	-64.15	0.0	-1174.47	-1560.03	0.11	140.67	-57.98	6992.94
		-3.603e+04	-59.59	0.04	0.0	16.0	-1174.47	-1592.11	0.11	140.67	-58.79	-1.426e+04
						32.0	-1174.47	-1624.19	0.11	140.67	-59.59	-3.603e+04
45	20	1.589e+04	-28.78	4.97e-03	-64.15	0.0	-1546.65	-1074.07	1.99	88.12	-95.45	1.589e+04
		-2.879e+04	-95.45	0.02	0.0	16.0	-1546.65	-1106.14	1.99	88.12	-62.12	-6192.99
						32.0	-1546.65	-1138.22	1.99	88.12	-28.78	-2.879e+04
45	21	2239.07	95.94	-0.02	-64.15	0.0	1486.68	1841.68	-1.43	-101.99	95.94	-6.494e+04
		-6.494e+04	47.17	-0.01	0.0	16.0	1486.68	1809.60	-1.43	-101.99	71.56	-

3.110e+04												
						32.0	1486.68	1777.53	-1.43	-101.99	47.17	
2239.07												
45	22	9481.72	77.98	-0.02	-64.15	0.0	1114.50	2327.65	0.45	-154.54	58.48	-
5.605e+04												
		-5.605e+04	58.48	-0.04	0.0	16.0	1114.50	2295.57	0.45	-154.54	68.23	-
2.303e+04												
						32.0	1114.50	2263.49	0.45	-154.54	77.98	
9481.72												
45	23	1.812e+04	-63.65	6.66e-03	-64.15	0.0	-1656.00	-1686.73	0.17	153.28	-63.65	
1.812e+04												
		-3.771e+04	-65.87	0.05	0.0	16.0	-1656.00	-1718.80	0.17	153.28	-64.76	-
9537.15												
						32.0	-1656.00	-1750.88	0.17	153.28	-65.87	-
3.771e+04												
45	24	4758.70	-22.51	3.58e-03	-64.15	0.0	-1065.12	-947.37	1.92	75.51	-89.79	
4758.70												
		-2.711e+04	-89.79	0.01	0.0	16.0	-1065.12	-979.45	1.92	75.51	-56.15	-
1.092e+04												
						32.0	-1065.12	-1011.53	1.92	75.51	-22.51	-
2.711e+04												
45	25	559.16	90.28	-0.02	-64.15	0.0	1005.15	1714.99	-1.36	-89.38	90.28	-
5.382e+04												
		-5.382e+04	40.90	-0.01	0.0	16.0	1005.15	1682.91	-1.36	-89.38	65.59	-
2.637e+04												
						32.0	1005.15	1650.83	-1.36	-89.38	40.90	559.16
45	26	1.116e+04	84.25	-0.02	-64.15	0.0	1596.03	2454.34	0.39	-167.15	64.14	-
6.718e+04												
		-6.718e+04	64.14	-0.04	0.0	16.0	1596.03	2422.26	0.39	-167.15	74.20	-
2.775e+04												
						32.0	1596.03	2390.19	0.39	-167.15	84.25	
1.116e+04												
45	27	-2.933e+04	41.24	-3.61e-03	-64.15	0.0	219.11	-897.73	-3.07	115.19	41.24	-
2.933e+04												
		-3.062e+04	-58.19	0.05	0.0	16.0	219.11	-929.81	-3.07	115.19	-8.47	-
2.972e+04												
						32.0	219.11	-961.89	-3.07	115.19	-58.19	-
3.062e+04												
45	28	313.36	44.52	-4.61e-03	-64.15	0.0	-1021.50	722.16	3.19	-59.99	-83.65	313.36
		-6473.01	-83.65	-0.04	0.0	16.0	-1021.50	690.08	3.19	-59.99	-19.57	-
2823.22												
						32.0	-1021.50	658.01	3.19	-59.99	44.52	-
6473.01												
45	29	-2.007e+04	84.14	-0.01	-64.15	0.0	961.53	45.45	-2.63	46.11	84.14	-
4.937e+04												
		-4.937e+04	-26.13	0.04	0.0	16.0	961.53	13.38	-2.63	46.11	29.01	-
3.447e+04												
						32.0	961.53	-18.70	-2.63	46.11	-26.13	-
2.007e+04												
45	30	4068.78	76.58	-0.01	-64.15	0.0	-279.08	1665.34	3.62	-129.06	-40.75	-
1.973e+04												
		-1.973e+04	-40.75	-0.05	0.0	16.0	-279.08	1633.27	3.62	-129.06	17.91	-
7572.03												
						32.0	-279.08	1601.19	3.62	-129.06	76.58	
4068.78												
45	31	-2.856e+04	39.60	-3.19e-03	-64.15	0.0	191.15	-936.40	-2.62	117.05	39.60	-
2.856e+04												
		-3.108e+04	-58.17	0.05	0.0	16.0	191.15	-968.47	-2.62	117.05	-9.28	-
2.957e+04												
						32.0	191.15	-1000.55	-2.62	117.05	-58.17	-
3.108e+04												
45	32	1084.09	44.53	-4.19e-03	-64.15	0.0	-1049.46	683.49	3.64	-58.13	-85.29	
1084.09												
		-6942.19	-85.29	-0.03	0.0	16.0	-1049.46	651.42	3.64	-58.13	-20.38	-
2672.44												
						32.0	-1049.46	619.34	3.64	-58.13	44.53	-
6942.19												
45	33	-1.960e+04	85.78	-0.01	-64.15	0.0	989.49	84.12	-3.08	44.25	85.78	-
5.014e+04												
		-5.014e+04	-26.14	0.04	0.0	16.0	989.49	52.04	-3.08	44.25	29.82	-
3.462e+04												
						32.0	989.49	19.96	-3.08	44.25	-26.14	-

1.960e+04												
45	34	4537.96	76.56	-0.01	-64.15	0.0	-251.12	1704.01	3.18	-130.92	-39.11	-
2.050e+04												
		-2.050e+04	-39.11	-0.05	0.0	16.0	-251.12	1671.93	3.18	-130.92	18.73	-
7722.80												
						32.0	-251.12	1639.86	3.18	-130.92	76.56	
4537.96												
45	35	7760.83	22.37	1.37e-03	-64.15	0.0	-1385.99	-1320.04	-2.85	157.22	22.37	
7760.83												
		-3.621e+04	-79.09	0.06	0.0	16.0	-1385.99	-1352.12	-2.85	157.22	-28.36	-
1.397e+04												
						32.0	-1385.99	-1384.19	-2.85	157.22	-79.09	-
3.621e+04												
45	36	-873.34	65.42	-9.25e-03	-64.15	0.0	583.60	1144.47	2.98	-102.02	-64.77	-
3.678e+04												
		-3.678e+04	-64.77	-0.04	0.0	16.0	583.60	1112.39	2.98	-102.02	0.32	-
1.857e+04												
						32.0	583.60	1080.31	2.98	-102.02	65.42	-
873.34												
45	37	-1.228e+04	65.27	-5.68e-03	-64.15	0.0	-643.57	-376.85	-2.42	88.15	65.27	-
1.228e+04												
		-2.567e+04	-47.03	0.05	0.0	16.0	-643.57	-408.93	-2.42	88.15	9.12	-
1.872e+04												
						32.0	-643.57	-441.01	-2.42	88.15	-47.03	-
2.567e+04												
45	38	9668.46	97.48	-0.02	-64.15	0.0	1326.02	2087.65	3.41	-171.09	-21.88	-
5.682e+04												
		-5.682e+04	-21.88	-0.06	0.0	16.0	1326.02	2055.57	3.41	-171.09	37.80	-
2.332e+04												
						32.0	1326.02	2023.50	3.41	-171.09	97.48	
9668.46												
45	39	8531.56	20.73	1.69e-03	-64.15	0.0	-1413.95	-1358.70	-2.41	159.08	20.73	
8531.56												
		-3.668e+04	-79.08	0.06	0.0	16.0	-1413.95	-1390.78	-2.41	159.08	-29.17	-
1.382e+04												
						32.0	-1413.95	-1422.86	-2.41	159.08	-79.08	-
3.668e+04												
45	40	-1342.51	65.44	-8.83e-03	-64.15	0.0	555.64	1105.80	3.43	-100.16	-66.41	-
3.601e+04												
		-3.601e+04	-66.41	-0.04	0.0	16.0	555.64	1073.73	3.43	-100.16	-0.49	-
1.842e+04												
						32.0	555.64	1041.65	3.43	-100.16	65.44	-
1342.51												
45	41	-1.305e+04	66.91	-6.11e-03	-64.15	0.0	-615.61	-338.19	-2.87	86.28	66.91	-
1.305e+04												
		-2.520e+04	-47.05	0.05	0.0	16.0	-615.61	-370.27	-2.87	86.28	9.93	-
1.887e+04												
						32.0	-615.61	-402.34	-2.87	86.28	-47.05	-
2.520e+04												
45	42	1.014e+04	97.47	-0.02	-64.15	0.0	1353.98	2126.32	2.97	-172.96	-20.24	-
5.759e+04												
		-5.759e+04	-20.24	-0.06	0.0	16.0	1353.98	2094.24	2.97	-172.96	38.62	-
2.347e+04												
						32.0	1353.98	2062.16	2.97	-172.96	97.47	
1.014e+04												
45	43	-1589.65	-41.28	1.74e-03	-64.15	0.0	-861.19	-1047.94	-1.02	104.41	-41.28	-
1589.65												
		-2.994e+04	-45.13	0.03	0.0	16.0	-861.19	-1080.02	-1.02	104.41	-43.20	-
1.551e+04												
						32.0	-861.19	-1112.09	-1.02	104.41	-45.13	-
2.994e+04												
45	44	5374.19	-20.76	1.35e-03	-64.15	0.0	-1151.79	-669.19	0.46	63.13	-70.59	
5374.19												
		-2.432e+04	-70.59	9.66e-03	0.0	16.0	-1151.79	-701.27	0.46	63.13	-45.67	-
9213.85												
						32.0	-1151.79	-733.35	0.46	63.13	-20.76	-
2.432e+04												
45	45	-2231.29	71.08	-0.02	-64.15	0.0	1091.82	1436.81	0.10	-77.00	71.08	-
5.443e+04												
		-5.443e+04	39.15	-7.53e-03	0.0	16.0	1091.82	1404.73	0.10	-77.00	55.11	-
2.807e+04												
						32.0	1091.82	1372.65	0.10	-77.00	39.15	-

2231.29												
45	46	3389.57	63.52	-0.02	-64.15	0.0	801.22	1815.55	1.58	-118.29	41.77	-
4.747e+04												
		-4.747e+04	41.77	-0.03	0.0	16.0	801.22	1783.48	1.58	-118.29	52.64	-
2.178e+04												
						32.0	801.22	1751.40	1.58	-118.29	63.52	
3389.57												
45	47	7159.11	-45.87	2.64e-03	-64.15	0.0	-1239.28	-1149.49	-0.97	114.47	-45.87	
7159.11												
		-3.129e+04	-50.11	0.03	0.0	16.0	-1239.28	-1181.56	-0.97	114.47	-47.99	-
1.181e+04												
						32.0	-1239.28	-1213.64	-0.97	114.47	-50.11	-
3.129e+04												
45	48	-3374.57	-15.78	6.69e-04	-64.15	0.0	-773.70	-567.65	0.41	53.07	-66.00	-
3374.57												
		-2.296e+04	-66.00	7.38e-03	0.0	16.0	-773.70	-599.73	0.41	53.07	-40.89	-
1.291e+04												
						32.0	-773.70	-631.80	0.41	53.07	-15.78	-
2.296e+04												
45	49	-3582.91	66.49	-0.02	-64.15	0.0	713.73	1335.26	0.15	-66.95	66.49	-
4.568e+04												
		-4.568e+04	34.17	-5.25e-03	0.0	16.0	713.73	1303.18	0.15	-66.95	50.33	-
2.438e+04												
						32.0	713.73	1271.11	0.15	-66.95	34.17	-
3582.91												
45	50	4741.19	68.50	-0.02	-64.15	0.0	1179.30	1917.10	1.53	-128.34	46.36	-
5.622e+04												
		-5.622e+04	46.36	-0.03	0.0	16.0	1179.30	1885.02	1.53	-128.34	57.43	-
2.548e+04												
						32.0	1179.30	1852.95	1.53	-128.34	68.50	
4741.19												
45	51	443.61	-45.01	2.67e-03	-64.15	0.0	-934.09	-1149.38	0.14	109.24	-45.55	443.61
		-3.115e+04	-45.55	0.03	0.0	16.0	-934.09	-1181.45	0.14	109.24	-45.28	-
1.510e+04												
						32.0	-934.09	-1213.53	0.14	109.24	-45.01	-
3.115e+04												
45	52	7407.44	-20.64	2.35e-03	-64.15	0.0	-1224.69	-770.63	1.62	67.96	-74.86	
7407.44												
		-2.553e+04	-74.86	0.01	0.0	16.0	-1224.69	-802.71	1.62	67.96	-47.75	-
8804.35												
						32.0	-1224.69	-834.78	1.62	67.96	-20.64	-
2.553e+04												
45	53	-1017.03	75.36	-0.02	-64.15	0.0	1164.72	1538.24	-1.06	-81.83	75.36	-
5.646e+04												
		-5.646e+04	39.03	-0.01	0.0	16.0	1164.72	1506.17	-1.06	-81.83	57.19	-
2.848e+04												
						32.0	1164.72	1474.09	-1.06	-81.83	39.03	-
1017.03												
45	54	4603.83	63.40	-0.02	-64.15	0.0	874.12	1916.99	0.42	-123.12	46.05	-
4.950e+04												
		-4.950e+04	46.05	-0.03	0.0	16.0	874.12	1884.91	0.42	-123.12	54.72	-
2.219e+04												
						32.0	874.12	1852.83	0.42	-123.12	63.40	
4603.83												
45	55	9192.37	-50.00	3.73e-03	-64.15	0.0	-1312.18	-1250.92	0.19	119.30	-50.14	
9192.37												
		-3.250e+04	-50.14	0.04	0.0	16.0	-1312.18	-1283.00	0.19	119.30	-50.07	-
1.140e+04												
						32.0	-1312.18	-1315.08	0.19	119.30	-50.00	-
3.250e+04												
45	56	-1341.31	-15.66	1.42e-03	-64.15	0.0	-846.61	-669.08	1.57	57.90	-70.27	-
1341.31												
		-2.418e+04	-70.27	0.01	0.0	16.0	-846.61	-701.16	1.57	57.90	-42.97	-
1.250e+04												
						32.0	-846.61	-733.24	1.57	57.90	-15.66	-
2.418e+04												
45	57	-2368.65	70.76	-0.02	-64.15	0.0	786.63	1436.70	-1.01	-71.78	70.76	-
4.772e+04												
		-4.772e+04	34.05	-8.99e-03	0.0	16.0	786.63	1404.62	-1.01	-71.78	52.41	-
2.479e+04												
						32.0	786.63	1372.54	-1.01	-71.78	34.05	-
2368.65												

45	58	5955.45	68.38	-0.02	-64.15	0.0	1252.21	2018.53	0.37	-133.17	50.64	-5.825e+04
		-5.825e+04	50.64	-0.03	0.0	16.0	1252.21	1986.46	0.37	-133.17	59.51	-2.589e+04
						32.0	1252.21	1954.38	0.37	-133.17	68.38	5955.45
45	59	-2.680e+04	32.24	-4.36e-03	-64.15	0.0	161.41	-620.15	-2.36	89.08	32.24	-2.821e+04
		-2.821e+04	-44.06	0.04	0.0	16.0	161.41	-652.23	-2.36	89.08	-5.91	-2.725e+04
						32.0	161.41	-684.30	-2.36	89.08	-44.06	-2.680e+04
45	60	-4995.90	37.17	-5.27e-03	-64.15	0.0	-807.28	642.34	2.59	-48.54	-65.46	4995.90
		-8060.81	-65.46	-0.03	0.0	16.0	-807.28	610.26	2.59	-48.54	-14.14	6271.74
						32.0	-807.28	578.18	2.59	-48.54	37.17	8060.81
45	61	-1.849e+04	65.95	-9.67e-03	-64.15	0.0	747.31	125.28	-2.03	34.66	65.95	-4.406e+04
		-4.406e+04	-18.78	0.03	0.0	16.0	747.31	93.20	-2.03	34.66	23.58	-3.102e+04
						32.0	747.31	61.12	-2.03	34.66	-18.78	-1.849e+04
45	62	250.59	62.45	-0.01	-64.15	0.0	-221.38	1387.76	2.92	-102.96	-31.75	-2.085e+04
		-2.085e+04	-31.75	-0.04	0.0	16.0	-221.38	1355.68	2.92	-102.96	15.35	-1.004e+04
						32.0	-221.38	1323.61	2.92	-102.96	62.45	250.59
45	63	-2.708e+04	30.96	-4.03e-03	-64.15	0.0	139.54	-650.58	-2.01	90.53	30.96	-2.760e+04
		-2.760e+04	-44.03	0.04	0.0	16.0	139.54	-682.66	-2.01	90.53	-6.54	-2.712e+04
						32.0	139.54	-714.73	-2.01	90.53	-44.03	-2.716e+04
45	64	-4385.93	37.21	-4.93e-03	-64.15	0.0	-829.15	611.91	2.93	-47.09	-66.74	4385.93
		-8425.09	-66.74	-0.03	0.0	16.0	-829.15	579.83	2.93	-47.09	-14.77	6148.89
						32.0	-829.15	547.75	2.93	-47.09	37.21	8425.09
45	65	-1.812e+04	67.23	-0.01	-64.15	0.0	769.18	155.71	-2.37	33.21	67.23	-4.467e+04
		-4.467e+04	-18.82	0.03	0.0	16.0	769.18	123.63	-2.37	33.21	24.21	-3.114e+04
						32.0	769.18	91.55	-2.37	33.21	-18.82	-1.812e+04
45	66	614.87	62.42	-0.01	-64.15	0.0	-199.51	1418.19	2.57	-104.41	-30.46	-2.146e+04
		-2.146e+04	-30.46	-0.04	0.0	16.0	-199.51	1386.11	2.57	-104.41	15.98	-1.017e+04
						32.0	-199.51	1354.04	2.57	-104.41	62.42	614.87
45	67	953.84	16.94	-6.73e-04	-64.15	0.0	-1098.89	-958.64	-2.19	122.59	16.94	953.84
		-3.130e+04	-60.67	0.05	0.0	16.0	-1098.89	-990.71	-2.19	122.59	-21.87	-1.492e+04
						32.0	-1098.89	-1022.79	-2.19	122.59	-60.67	-3.130e+04
45	68	-3555.40	53.78	-8.95e-03	-64.15	0.0	453.02	980.83	2.42	-82.05	-50.15	-3.416e+04
		-3.416e+04	-50.15	-0.04	0.0	16.0	453.02	948.75	2.42	-82.05	1.81	-1.860e+04
						32.0	453.02	916.67	2.42	-82.05	53.78	3555.40
45	69	-1.490e+04	50.65	-5.98e-03	-64.15	0.0	-512.99	-213.21	-1.86	68.17	50.65	-1.490e+04
		-2.299e+04	-35.39	0.04	0.0	16.0	-512.99	-245.29	-1.86	68.17	7.63	-1.869e+04
						32.0	-512.99	-277.37	-1.86	68.17	-35.39	-2.299e+04
45	70	4756.00	79.06	-0.01	-64.15	0.0	1038.92	1726.25	2.75	-136.47	-16.45	-5.001e+04
		-5.001e+04	-16.45	-0.05	0.0	16.0	1038.92	1694.17	2.75	-136.47	31.31	-

2.237e+04												
						32.0	1038.92	1662.10	2.75	-136.47	79.06	
4756.00												
45	71	1563.82	15.66	4.98e-04	-64.15	0.0	-1120.76	-989.07	-1.85	124.04	15.66	
1563.82												
		-3.167e+04	-60.63	0.05	0.0	16.0	-1120.76	-1021.14	-1.85	124.04	-22.49	-
1.479e+04												
						32.0	-1120.76	-1053.22	-1.85	124.04	-60.63	-
3.167e+04												
45	72	-3919.68	53.81	-8.62e-03	-64.15	0.0	431.15	950.39	2.76	-80.60	-51.44	-
3.355e+04												
		-3.355e+04	-51.44	-0.03	0.0	16.0	431.15	918.32	2.76	-80.60	1.19	-
1.848e+04												
						32.0	431.15	886.24	2.76	-80.60	53.81	-
3919.68												
45	73	-1.551e+04	51.93	-6.31e-03	-64.15	0.0	-491.12	-182.78	-2.20	66.72	51.93	-
1.551e+04												
		-2.263e+04	-35.42	0.04	0.0	16.0	-491.12	-214.86	-2.20	66.72	8.25	-
1.881e+04												
						32.0	-491.12	-246.94	-2.20	66.72	-35.42	-
2.263e+04												
45	74	5120.28	79.02	-0.01	-64.15	0.0	1060.79	1756.68	2.40	-137.92	-15.16	-
5.062e+04												
		-5.062e+04	-15.16	-0.05	0.0	16.0	1060.79	1724.60	2.40	-137.92	31.93	-
2.249e+04												
						32.0	1060.79	1692.53	2.40	-137.92	79.02	
5120.28												
45	75	-5563.24	-34.18	7.09e-04	-64.15	0.0	-717.87	-800.53	-0.80	85.24	-34.18	-
5563.24												
		-2.707e+04	-35.76	0.03	0.0	16.0	-717.87	-832.61	-0.80	85.24	-34.97	-
1.606e+04												
						32.0	-717.87	-864.69	-0.80	85.24	-35.76	-
2.707e+04												
45	76	197.61	-15.61	3.58e-04	-64.15	0.0	-958.38	-487.10	0.43	51.09	-58.42	197.61
		-2.241e+04	-58.42	8.18e-03	0.0	16.0	-958.38	-519.18	0.43	51.09	-37.02	-
1.085e+04												
						32.0	-958.38	-551.25	0.43	51.09	-15.61	-
2.241e+04												
45	77	-4131.42	58.92	-0.01	-64.15	0.0	898.41	1254.71	0.13	-64.97	58.92	-
4.925e+04												
		-4.925e+04	34.00	-6.05e-03	0.0	16.0	898.41	1222.63	0.13	-64.97	46.46	-
2.644e+04												
						32.0	898.41	1190.56	0.13	-64.97	34.00	-
4131.42												
45	78	521.64	54.15	-0.01	-64.15	0.0	657.90	1568.15	1.36	-99.11	34.67	-
4.349e+04												
		-4.349e+04	34.67	-0.02	0.0	16.0	657.90	1536.07	1.36	-99.11	44.41	-
2.123e+04												
						32.0	657.90	1503.99	1.36	-99.11	54.15	521.64
45	79	1671.65	-37.96	1.18e-03	-64.15	0.0	-1030.61	-884.37	-0.76	93.54	-37.96	
1671.65												
		-2.818e+04	-39.87	0.03	0.0	16.0	-1030.61	-916.45	-0.76	93.54	-38.92	-
1.300e+04												
						32.0	-1030.61	-948.53	-0.76	93.54	-39.87	-
2.818e+04												
45	80	-7037.28	-11.50	-1.18e-03	-64.15	0.0	-645.64	-403.26	0.39	42.79	-54.64	-
7037.28												
		-2.130e+04	-54.64	6.30e-03	0.0	16.0	-645.64	-435.34	0.39	42.79	-33.07	-
1.391e+04												
						32.0	-645.64	-467.41	0.39	42.79	-11.50	-
2.130e+04												
45	81	-5247.02	55.13	-0.01	-64.15	0.0	585.67	1170.87	0.17	-56.66	55.13	-
4.202e+04												
		-4.202e+04	29.89	-4.17e-03	0.0	16.0	585.67	1138.80	0.17	-56.66	42.51	-
2.338e+04												
						32.0	585.67	1106.72	0.17	-56.66	29.89	-
5247.02												
45	82	1637.24	58.26	-0.02	-64.15	0.0	970.64	1651.98	1.32	-107.42	38.46	-
5.073e+04												
		-5.073e+04	38.46	-0.02	0.0	16.0	970.64	1619.91	1.32	-107.42	48.36	-
2.429e+04												
						32.0	970.64	1587.83	1.32	-107.42	58.26	

1637.24												
45	83	-3885.31	-35.66	1.27e-03	-64.15	0.0	-777.97	-884.23	0.16	89.21	-37.69	-
3885.31												
		-2.807e+04	-37.69	0.03	0.0	16.0	-777.97	-916.31	0.16	89.21	-36.68	-
1.572e+04												
						32.0	-777.97	-948.39	0.16	89.21	-35.66	-
2.807e+04												
45	84	1875.54	-15.52	9.20e-04	-64.15	0.0	-1018.48	-570.80	1.39	55.06	-61.93	
1875.54												
		-2.342e+04	-61.93	0.01	0.0	16.0	-1018.48	-602.88	1.39	55.06	-38.73	-
1.051e+04												
						32.0	-1018.48	-634.95	1.39	55.06	-15.52	-
2.342e+04												
45	85	-3129.27	62.43	-0.02	-64.15	0.0	958.51	1338.41	-0.83	-68.94	62.43	-
5.093e+04												
		-5.093e+04	33.91	-9.14e-03	0.0	16.0	958.51	1306.33	-0.83	-68.94	48.17	-
2.677e+04												
						32.0	958.51	1274.26	-0.83	-68.94	33.91	-
3129.27												
45	86	1523.79	54.05	-0.02	-64.15	0.0	718.00	1651.85	0.40	-103.08	38.18	-
4.517e+04												
		-4.517e+04	38.18	-0.03	0.0	16.0	718.00	1619.77	0.40	-103.08	46.12	-
2.157e+04												
						32.0	718.00	1587.69	0.40	-103.08	54.05	
1523.79												
45	87	3349.58	-39.78	1.90e-03	-64.15	0.0	-1090.71	-968.07	0.20	97.51	-41.47	
3349.58												
		-2.919e+04	-41.47	0.03	0.0	16.0	-1090.71	-1000.15	0.20	97.51	-40.63	-
1.266e+04												
						32.0	-1090.71	-1032.23	0.20	97.51	-39.78	-
2.919e+04												
45	88	-5359.35	-11.40	4.83e-04	-64.15	0.0	-705.74	-486.96	1.35	46.76	-58.15	-
5359.35												
		-2.230e+04	-58.15	9.38e-03	0.0	16.0	-705.74	-519.04	1.35	46.76	-34.77	-
1.357e+04												
						32.0	-705.74	-551.11	1.35	46.76	-11.40	-
2.230e+04												
45	89	-4244.87	58.64	-0.01	-64.15	0.0	645.77	1254.57	-0.79	-60.63	58.64	-
4.370e+04												
		-4.370e+04	29.79	-7.26e-03	0.0	16.0	645.77	1222.50	-0.79	-60.63	44.22	-
2.371e+04												
						32.0	645.77	1190.42	-0.79	-60.63	29.79	-
4244.87												
45	90	2639.39	58.17	-0.02	-64.15	0.0	1030.74	1735.69	0.36	-111.39	41.97	-
5.241e+04												
		-5.241e+04	41.97	-0.03	0.0	16.0	1030.74	1703.61	0.36	-111.39	50.07	-
2.463e+04												
						32.0	1030.74	1671.53	0.36	-111.39	58.17	
2639.39												
45	91	-2.447e+04	26.69	-4.90e-03	-64.15	0.0	128.43	-446.87	-1.90	72.51	26.69	-
2.758e+04												
		-2.758e+04	-34.85	0.03	0.0	16.0	128.43	-478.95	-1.90	72.51	-4.08	-
2.577e+04												
						32.0	128.43	-511.03	-1.90	72.51	-34.85	-
2.447e+04												
45	92	-8326.75	32.31	-5.64e-03	-64.15	0.0	-673.28	597.91	2.18	-41.32	-54.13	-
8373.41												
		-8958.59	-54.13	-0.02	0.0	16.0	-673.28	565.84	2.18	-41.32	-10.91	-
8409.38												
						32.0	-673.28	533.76	2.18	-41.32	32.31	-
8958.59												
45	93	-1.759e+04	54.62	-9.29e-03	-64.15	0.0	613.31	169.70	-1.63	27.44	54.62	-
4.068e+04												
		-4.068e+04	-13.92	0.02	0.0	16.0	613.31	137.62	-1.63	27.44	20.35	-
2.888e+04												
						32.0	613.31	105.55	-1.63	27.44	-13.92	-
1.759e+04												
45	94	-2077.60	53.24	-0.01	-64.15	0.0	-188.40	1214.49	2.46	-86.38	-26.20	-
2.148e+04												
		-2.148e+04	-26.20	-0.03	0.0	16.0	-188.40	1182.41	2.46	-86.38	13.52	-
1.152e+04												
						32.0	-188.40	1150.33	2.46	-86.38	53.24	-

2077.60												
45	95	-2.477e+04	25.64	-4.63e-03	-64.15	0.0	110.40	-471.98	-1.62	73.70	25.64	-
2.707e+04												
		-2.707e+04	-34.82	0.03	0.0	16.0	110.40	-504.06	-1.62	73.70	-4.59	-
2.566e+04												
						32.0	110.40	-536.14	-1.62	73.70	-34.82	-
2.477e+04												
45	96	-7870.03	32.34	-5.37e-03	-64.15	0.0	-691.31	572.80	2.47	-40.13	-55.18	-
7870.03												
		-9259.23	-55.18	-0.02	0.0	16.0	-691.31	540.73	2.47	-40.13	-11.42	-
8308.02												
						32.0	-691.31	508.65	2.47	-40.13	32.34	-
9259.23												
45	97	-1.729e+04	55.68	-9.57e-03	-64.15	0.0	631.34	194.81	-1.91	26.25	55.68	-
4.119e+04												
		-4.119e+04	-13.95	0.02	0.0	16.0	631.34	162.73	-1.91	26.25	20.86	-
2.898e+04												
						32.0	631.34	130.66	-1.91	26.25	-13.95	-
1.729e+04												
45	98	-1776.96	53.21	-0.01	-64.15	0.0	-170.37	1239.60	2.18	-87.57	-25.15	-
2.198e+04												
		-2.198e+04	-25.15	-0.03	0.0	16.0	-170.37	1207.52	2.18	-87.57	14.03	-
1.162e+04												
						32.0	-170.37	1175.44	2.18	-87.57	53.21	-
1776.96												
45	99	-3459.95	14.07	-1.86e-03	-64.15	0.0	-914.05	-726.33	-1.76	100.18	14.07	-
3459.95												
		-2.819e+04	-48.57	0.04	0.0	16.0	-914.05	-758.41	-1.76	100.18	-17.25	-
1.557e+04												
						32.0	-914.05	-790.49	-1.76	100.18	-48.57	-
2.819e+04												
45	100	-5239.93	46.03	-8.69e-03	-64.15	0.0	369.20	877.37	2.05	-69.00	-41.51	-
3.249e+04												
		-3.249e+04	-41.51	-0.03	0.0	16.0	369.20	845.30	2.05	-69.00	2.26	-
1.861e+04												
						32.0	369.20	813.22	2.05	-69.00	46.03	-
5239.93												
45	101	-1.657e+04	42.00	-6.24e-03	-64.15	0.0	-429.17	-109.76	-1.49	55.12	42.00	-
1.657e+04												
		-2.131e+04	-27.64	0.03	0.0	16.0	-429.17	-141.84	-1.49	55.12	7.18	-
1.868e+04												
						32.0	-429.17	-173.91	-1.49	55.12	-27.64	-
2.131e+04												
45	102	1641.06	66.95	-0.01	-64.15	0.0	854.08	1493.95	2.32	-114.06	-13.58	-
4.560e+04												
		-4.560e+04	-13.58	-0.04	0.0	16.0	854.08	1461.87	2.32	-114.06	26.69	-
2.172e+04												
						32.0	854.08	1429.79	2.32	-114.06	66.95	
1641.06												
45	103	-2956.57	13.02	-1.58e-03	-64.15	0.0	-932.08	-751.44	-1.48	101.37	13.02	-
2956.57												
		-2.849e+04	-48.54	0.04	0.0	16.0	-932.08	-783.52	-1.48	101.37	-17.76	-
1.547e+04												
						32.0	-932.08	-815.60	-1.48	101.37	-48.54	-
2.849e+04												
45	104	-5540.57	46.05	-8.42e-03	-64.15	0.0	351.17	852.26	2.33	-67.81	-42.56	-
3.199e+04												
		-3.199e+04	-42.56	-0.03	0.0	16.0	351.17	820.19	2.33	-67.81	1.75	-
1.851e+04												
						32.0	351.17	788.11	2.33	-67.81	46.05	-
5540.57												
45	105	-1.707e+04	43.05	-6.52e-03	-64.15	0.0	-411.14	-84.65	-1.77	53.93	43.05	-
1.707e+04												
		-2.101e+04	-27.67	0.03	0.0	16.0	-411.14	-116.73	-1.77	53.93	7.69	-
1.878e+04												
						32.0	-411.14	-148.80	-1.77	53.93	-27.67	-
2.101e+04												
45	106	1941.71	66.93	-0.01	-64.15	0.0	872.11	1519.06	2.04	-115.25	-12.53	-
4.610e+04												
		-4.610e+04	-12.53	-0.04	0.0	16.0	872.11	1486.98	2.04	-115.25	27.20	-
2.182e+04												
						32.0	872.11	1454.90	2.04	-115.25	66.93	

1941.71												
46	1	4807.53	9.48	0.01	-195.44	0.0	45.45	96.75	-0.06	0.69	9.48	-
4050.71												
		-4410.92	-13.10	0.04	0.0	185.0	-27.13	-0.97	-0.06	0.69	-1.81	
4807.53												
						370.0	-99.72	-98.69	-0.06	0.69	-13.10	-
4410.92												
46	2	3.285e+04	34.67	-0.13	-1331.46	0.0	416.37	672.48	-0.25	3.43	34.67	-
2.998e+04												
		-2.998e+04	-59.19	0.14	0.0	185.0	-78.14	6.74	-0.25	3.43	-12.26	
3.285e+04												
						370.0	-572.65	-658.99	-0.25	3.43	-59.19	-
2.748e+04												
46	3	3168.94	6.81	0.01	-128.90	0.0	27.96	63.55	-0.04	0.48	6.81	-
2626.68												
		-2957.65	-9.21	0.03	0.0	185.0	-19.91	-0.89	-0.04	0.48	-1.20	
3168.94												
						370.0	-67.78	-65.34	-0.04	0.48	-9.21	-
2957.65												
46	4	3.121e+04	32.01	-0.13	-1264.92	0.0	398.88	639.28	-0.24	3.22	32.01	-
2.855e+04												
		-2.855e+04	-55.30	0.13	0.0	185.0	-70.92	6.82	-0.24	3.22	-11.64	
3.121e+04												
						370.0	-540.72	-625.64	-0.24	3.22	-55.30	-
2.603e+04												
46	5	3468.03	7.08	0.01	-141.02	0.0	31.92	69.70	-0.05	0.51	7.08	-
2903.21												
		-3203.73	-9.70	0.03	0.0	185.0	-20.45	-0.81	-0.05	0.51	-1.31	
3468.03												
						370.0	-72.83	-71.32	-0.05	0.51	-9.70	-
3203.73												
46	6	2.216e+04	23.88	-0.09	-898.37	0.0	279.20	453.52	-0.17	2.33	23.88	-
2.019e+04												
		-2.019e+04	-40.43	0.10	0.0	185.0	-54.46	4.33	-0.17	2.33	-8.27	
2.216e+04												
						370.0	-388.12	-444.85	-0.17	2.33	-40.43	-
1.858e+04												
46	7	3468.03	7.08	0.01	-141.02	0.0	31.92	69.70	-0.05	0.51	7.08	-
2903.21												
		-3203.73	-9.70	0.03	0.0	185.0	-20.45	-0.81	-0.05	0.51	-1.31	
3468.03												
						370.0	-72.83	-71.32	-0.05	0.51	-9.70	-
3203.73												
46	8	1.655e+04	18.84	-0.06	-671.16	0.0	205.02	338.37	-0.14	1.79	18.84	-
1.500e+04												
		-1.500e+04	-31.21	0.08	0.0	185.0	-44.26	2.79	-0.14	1.79	-6.18	
1.655e+04												
						370.0	-293.53	-332.79	-0.14	1.79	-31.21	-
1.397e+04												
46	9	3468.03	7.08	0.01	-141.02	0.0	31.92	69.70	-0.05	0.51	7.08	-
2903.21												
		-3203.73	-9.70	0.03	0.0	185.0	-20.45	-0.81	-0.05	0.51	-1.31	
3468.03												
						370.0	-72.83	-71.32	-0.05	0.51	-9.70	-
3203.73												
46	10	1.468e+04	17.16	-0.06	-595.43	0.0	180.29	299.99	-0.12	1.60	17.16	-
1.327e+04												
		-1.327e+04	-28.14	0.07	0.0	185.0	-40.86	2.27	-0.12	1.60	-5.49	
1.468e+04												
						370.0	-262.00	-295.44	-0.12	1.60	-28.14	-
1.243e+04												
46	11	3075.02	14.60	-0.02	-595.43	0.0	-476.40	252.65	-0.37	29.74	14.60	-
3.440e+04												
		-3.440e+04	-131.57	0.36	0.0	185.0	-697.55	-45.07	-0.37	29.74	-58.49	
2353.67												
						370.0	-918.69	-342.78	-0.37	29.74	-131.57	-
1.597e+04												
46	12	-402.03	41.78	-0.05	-595.43	0.0	-187.67	200.84	-0.52	15.98	41.78	-
2.717e+04												
		-2.871e+04	-166.40	-0.25	0.0	185.0	-408.81	-96.87	-0.52	15.98	-62.31	-
402.03												
						370.0	-629.96	-394.58	-0.52	15.98	-166.40	-

2.871e+04												
46	13	2.977e+04	110.12	-0.12	-595.43	0.0	548.25	399.13	0.28	-12.77	-7.46	622.16
		622.16	-7.46	0.39	0.0	185.0	327.10	101.42	0.28	-12.77	51.33	
2.977e+04												
						370.0	105.96	-196.29	0.28	-12.77	110.12	
3844.92												
46	14	2.763e+04	75.30	-0.12	-595.43	0.0	836.98	347.33	0.13	-26.53	19.72	
7849.16												
		-8893.47	19.72	-0.22	0.0	185.0	615.83	49.61	0.13	-26.53	47.51	
2.701e+04												
						370.0	394.69	-248.10	0.13	-26.53	75.30	-
8893.47												
46	15	3040.33	11.74	-0.02	-595.43	0.0	-519.95	260.90	-0.38	27.89	11.74	-
3.607e+04												
		-3.607e+04	-132.50	0.36	0.0	185.0	-741.10	-36.81	-0.38	27.89	-60.38	
2102.34												
						370.0	-962.24	-334.52	-0.38	27.89	-132.50	-
1.480e+04												
46	16	-150.70	44.65	-0.04	-595.43	0.0	-144.12	192.59	-0.51	17.82	44.65	-
2.549e+04												
		-2.988e+04	-165.48	-0.25	0.0	185.0	-365.26	-105.12	-0.51	17.82	-60.41	-
150.70												
						370.0	-586.41	-402.84	-0.51	17.82	-165.48	-
2.988e+04												
46	17	2.952e+04	109.20	-0.12	-595.43	0.0	504.70	407.38	0.27	-14.62	-10.33	-
1052.40												
		-1052.40	-10.33	0.40	0.0	185.0	283.55	109.67	0.27	-14.62	49.44	
2.952e+04												
						370.0	62.41	-188.04	0.27	-14.62	109.20	
5016.82												
46	18	2.806e+04	76.22	-0.12	-595.43	0.0	880.53	339.07	0.13	-24.69	22.59	
9523.72												
		-1.007e+04	22.59	-0.22	0.0	185.0	659.38	41.36	0.13	-24.69	49.40	
2.727e+04												
						370.0	438.24	-256.35	0.13	-24.69	76.22	-
1.007e+04												
46	19	1927.04	-6.09	-0.03	-595.43	0.0	-513.72	405.54	-0.38	-13.56	-6.09	-
3.596e+04												
		-3.596e+04	-135.12	0.37	0.0	185.0	-734.87	107.83	-0.38	-13.56	-70.60	
1159.86												
						370.0	-956.01	-189.88	-0.38	-13.56	-135.12	-
1.680e+04												
46	20	-1595.84	21.10	-0.05	-595.43	0.0	-224.99	353.74	-0.53	-27.32	21.10	-
2.873e+04												
		-2.954e+04	-169.94	-0.24	0.0	185.0	-446.13	56.03	-0.53	-27.32	-74.42	-
1595.84												
						370.0	-667.28	-241.68	-0.53	-27.32	-169.94	-
2.954e+04												
46	21	3.096e+04	113.66	-0.12	-595.43	0.0	585.57	246.23	0.28	30.53	13.23	
2182.59												
		2182.59	13.23	0.38	0.0	185.0	364.42	-51.48	0.28	30.53	63.45	
3.096e+04												
						370.0	143.28	-349.19	0.28	30.53	113.66	
4672.12												
46	22	2.887e+04	78.84	-0.12	-595.43	0.0	874.30	194.43	0.13	16.77	40.41	
9409.58												
		-8066.28	40.41	-0.23	0.0	185.0	653.15	-103.28	0.13	16.77	59.63	
2.821e+04												
						370.0	432.01	-401.00	0.13	16.77	78.84	-
8066.28												
46	23	1938.18	-8.95	-0.03	-595.43	0.0	-557.27	413.80	-0.38	-15.41	-8.95	-
3.763e+04												
		-3.763e+04	-136.04	0.37	0.0	185.0	-778.42	116.09	-0.38	-15.41	-72.49	908.53
						370.0	-999.56	-181.63	-0.38	-15.41	-136.04	-
1.563e+04												
46	24	-1344.51	23.96	-0.05	-595.43	0.0	-181.44	345.49	-0.52	-25.48	23.96	-
2.705e+04												
		-3.071e+04	-169.02	-0.24	0.0	185.0	-402.58	47.77	-0.52	-25.48	-72.53	-
1344.51												
						370.0	-623.73	-249.94	-0.52	-25.48	-169.02	-
3.071e+04												
46	25	3.071e+04	112.74	-0.12	-595.43	0.0	542.02	254.49	0.28	28.68	10.36	508.02

		508.02	10.36	0.39	0.0	185.0	320.87	-43.23	0.28	28.68	61.55	
3.071e+04												
						370.0	99.73	-340.94	0.28	28.68	112.74	
5844.01												
46	26	2.930e+04	79.76	-0.12	-595.43	0.0	917.85	186.18	0.14	18.61	43.27	
1.108e+04												
		-9238.17	43.27	-0.23	0.0	185.0	696.70	-111.54	0.14	18.61	61.52	
2.846e+04												
						370.0	475.56	-409.25	0.14	18.61	79.76	-
9238.17												
46	27	1.812e+04	-6.35	-0.04	-595.43	0.0	-454.63	364.35	0.03	30.92	-24.84	-
3.057e+04												
		-3.057e+04	-24.84	1.08	0.0	185.0	-675.77	66.64	0.03	30.92	-15.59	
1.516e+04												
						370.0	-896.92	-231.07	0.03	30.92	-6.35	
5826.75												
46	28	8026.88	65.78	-0.05	-595.43	0.0	507.81	191.68	-0.47	-14.96	65.78	-
6480.91												
		-3.663e+04	-122.43	-0.95	0.0	185.0	286.67	-106.04	-0.47	-14.96	-28.33	
5978.70												
						370.0	65.52	-403.75	-0.47	-14.96	-122.43	-
3.663e+04												
46	29	2.565e+04	66.16	-0.08	-595.43	0.0	-147.24	408.30	0.23	18.17	-31.45	-
2.007e+04												
		-2.007e+04	-31.45	1.09	0.0	185.0	-368.38	110.59	0.23	18.17	17.35	
2.339e+04												
						370.0	-589.53	-187.13	0.23	18.17	66.16	
1.177e+04												
46	30	1.684e+04	59.16	-0.07	-595.43	0.0	815.21	235.62	-0.28	-27.71	59.16	
4024.43												
		-3.069e+04	-49.92	-0.94	0.0	185.0	594.06	-62.09	-0.28	-27.71	4.62	
1.420e+04												
						370.0	372.92	-359.80	-0.28	-27.71	-49.92	-
3.069e+04												
46	31	1.780e+04	-7.42	-0.04	-595.43	0.0	-465.83	410.22	0.03	17.93	-31.04	-
3.104e+04												
		-3.104e+04	-31.04	1.09	0.0	185.0	-686.97	112.51	0.03	17.93	-19.23	
1.481e+04												
						370.0	-908.12	-185.20	0.03	17.93	-7.42	
5578.59												
46	32	7641.24	59.57	-0.05	-595.43	0.0	496.62	237.55	-0.47	-27.95	59.57	-
6949.04												
		-3.688e+04	-123.49	-0.95	0.0	185.0	275.47	-60.17	-0.47	-27.95	-31.96	
5620.56												
						370.0	54.33	-357.88	-0.47	-27.95	-123.49	-
3.688e+04												
46	33	2.598e+04	67.22	-0.08	-595.43	0.0	-136.04	362.43	0.23	31.16	-25.25	-
1.960e+04												
		-1.960e+04	-25.25	1.09	0.0	185.0	-357.18	64.72	0.23	31.16	20.98	
2.375e+04												
						370.0	-578.33	-233.00	0.23	31.16	67.22	
1.202e+04												
46	34	1.724e+04	65.37	-0.07	-595.43	0.0	826.40	189.75	-0.27	-14.72	65.37	
4492.56												
		-3.044e+04	-48.86	-0.94	0.0	185.0	605.26	-107.96	-0.27	-14.72	8.25	
1.456e+04												
						370.0	384.11	-405.67	-0.27	-14.72	-48.86	-
3.044e+04												
46	35	1.906e+04	-9.42	-0.05	-595.43	0.0	-599.79	391.87	0.01	24.76	-34.38	-
3.615e+04												
		-3.615e+04	-34.38	1.09	0.0	185.0	-820.94	94.15	0.01	24.76	-21.90	
1.433e+04												
						370.0	-1042.08	-203.56	0.01	24.76	-9.42	
9733.07												
46	36	1.038e+04	75.33	-0.03	-595.43	0.0	652.98	164.16	-0.45	-8.80	75.33	-
899.03												
		-4.054e+04	-119.36	-0.96	0.0	185.0	431.83	-133.55	-0.45	-8.80	-22.02	
6816.48												
						370.0	210.69	-431.26	-0.45	-8.80	-119.36	-
4.054e+04												
46	37	2.643e+04	63.09	-0.08	-595.43	0.0	-292.40	435.81	0.21	12.01	-41.00	-
2.565e+04												

		-2.565e+04	-41.00	1.10	0.0	185.0	-513.54	138.10	0.21	12.01	11.04	
2.255e+04												
						370.0	-734.69	-159.61	0.21	12.01	63.09	
1.568e+04												
46	38	1.946e+04	68.71	-0.07	-595.43	0.0	960.37	208.11	-0.26	-21.55	68.71	
9606.31												
		-3.460e+04	-46.85	-0.95	0.0	185.0	739.23	-89.60	-0.26	-21.55	10.93	
1.504e+04												
						370.0	518.08	-387.32	-0.26	-21.55	-46.85	-
3.460e+04												
46	39	1.874e+04	-10.48	-0.05	-595.43	0.0	-610.99	437.74	0.01	11.77	-40.59	-
3.662e+04												
		-3.662e+04	-40.59	1.10	0.0	185.0	-832.14	140.02	0.01	11.77	-25.54	
1.397e+04												
						370.0	-1053.28	-157.69	0.01	11.77	-10.48	
9484.91												
46	40	9977.62	69.12	-0.04	-595.43	0.0	641.78	210.03	-0.45	-21.79	69.12	-
1367.16												
		-4.079e+04	-120.42	-0.96	0.0	185.0	420.64	-87.68	-0.45	-21.79	-25.65	
6458.33												
						370.0	199.49	-385.39	-0.45	-21.79	-120.42	-
4.079e+04												
46	41	2.674e+04	64.15	-0.08	-595.43	0.0	-281.20	389.94	0.21	25.00	-34.80	-
2.518e+04												
		-2.518e+04	-34.80	1.10	0.0	185.0	-502.35	92.23	0.21	25.00	14.68	
2.291e+04												
						370.0	-723.49	-205.48	0.21	25.00	64.15	
1.593e+04												
46	42	1.986e+04	74.92	-0.07	-595.43	0.0	971.57	162.24	-0.25	-8.56	74.92	
1.007e+04												
		-3.435e+04	-45.79	-0.95	0.0	185.0	750.42	-135.47	-0.25	-8.56	14.56	
1.540e+04												
						370.0	529.28	-433.19	-0.25	-8.56	-45.79	-
3.435e+04												
46	43	5492.93	14.73	-0.02	-595.43	0.0	-339.86	262.68	-0.32	23.72	14.73	-
2.988e+04												
		-2.988e+04	-109.85	0.30	0.0	185.0	-561.00	-35.04	-0.32	23.72	-47.56	
5004.43												
						370.0	-782.15	-332.75	-0.32	23.72	-109.85	-
1.518e+04												
46	44	2774.05	36.16	-0.04	-595.43	0.0	-111.36	221.94	-0.44	12.88	36.16	-
2.427e+04												
		-2.525e+04	-137.34	-0.18	0.0	185.0	-332.51	-75.77	-0.44	12.88	-50.59	
2774.05												
						370.0	-553.65	-373.49	-0.44	12.88	-137.34	-
2.525e+04												
46	45	2.659e+04	81.06	-0.11	-595.43	0.0	471.94	378.03	0.19	-9.67	-1.83	-
2273.16												
		-2273.16	-1.83	0.33	0.0	185.0	250.80	80.32	0.19	-9.67	39.62	
2.659e+04												
						370.0	29.65	-217.39	0.19	-9.67	81.06	388.07
46	46	2.475e+04	53.58	-0.10	-595.43	0.0	700.43	337.30	0.07	-20.51	19.59	
3335.61												
		-9681.43	19.59	-0.16	0.0	185.0	479.29	39.58	0.07	-20.51	36.59	
2.436e+04												
						370.0	258.14	-258.13	0.07	-20.51	53.58	-
9681.43												
46	47	5427.51	12.45	-0.02	-595.43	0.0	-374.43	269.26	-0.32	22.24	12.45	-
3.123e+04												
		-3.123e+04	-110.61	0.30	0.0	185.0	-595.58	-28.45	-0.32	22.24	-49.08	
4796.57												
						370.0	-816.72	-326.16	-0.32	22.24	-110.61	-
1.425e+04												
46	48	2981.91	38.44	-0.03	-595.43	0.0	-76.79	215.35	-0.43	14.36	38.44	-
2.293e+04												
		-2.618e+04	-136.58	-0.18	0.0	185.0	-297.93	-82.36	-0.43	14.36	-49.07	
2981.91												
						370.0	-519.08	-380.07	-0.43	14.36	-136.58	-
2.618e+04												
46	49	2.639e+04	80.31	-0.11	-595.43	0.0	437.37	384.62	0.19	-11.15	-4.11	-
3620.49												
		-3620.49	-4.11	0.33	0.0	185.0	216.22	86.91	0.19	-11.15	38.10	

2.639e+04												
						370.0	-4.92	-210.81	0.19	-11.15	80.31	
1319.70												
46	50	2.510e+04	54.33	-0.10	-595.43	0.0	735.01	330.71	0.08	-19.04	21.87	
4682.94												
		-1.061e+04	21.87	-0.16	0.0	185.0	513.87	33.00	0.08	-19.04	38.10	
2.457e+04												
						370.0	292.72	-264.71	0.08	-19.04	54.33	-
1.061e+04												
46	51	4612.63	-0.68	-0.02	-595.43	0.0	-369.35	382.96	-0.32	-10.26	-0.68	-
3.109e+04												
		-3.109e+04	-112.54	0.31	0.0	185.0	-590.49	85.25	-0.32	-10.26	-56.61	
4087.32												
						370.0	-811.64	-212.46	-0.32	-10.26	-112.54	-
1.580e+04												
46	52	1856.95	20.75	-0.04	-595.43	0.0	-140.86	342.23	-0.44	-21.10	20.75	-
2.548e+04												
		-2.587e+04	-140.02	-0.17	0.0	185.0	-362.00	44.51	-0.44	-21.10	-59.64	
1856.95												
						370.0	-583.15	-253.20	-0.44	-21.10	-140.02	-
2.587e+04												
46	53	2.751e+04	83.75	-0.11	-595.43	0.0	501.43	257.75	0.20	24.30	13.58	-
1061.63												
		-1061.63	13.58	0.32	0.0	185.0	280.29	-39.97	0.20	24.30	48.66	
2.751e+04												
						370.0	59.14	-337.68	0.20	24.30	83.75	
1010.75												
46	54	2.570e+04	56.26	-0.11	-595.43	0.0	729.93	217.01	0.08	13.46	35.00	
4547.14												
		-9058.76	35.00	-0.17	0.0	185.0	508.78	-80.70	0.08	13.46	45.63	
2.528e+04												
						370.0	287.64	-378.42	0.08	13.46	56.26	-
9058.76												
46	55	4547.21	-2.96	-0.02	-595.43	0.0	-403.92	389.55	-0.33	-11.73	-2.96	-
3.244e+04												
		-3.244e+04	-113.29	0.31	0.0	185.0	-625.07	91.84	-0.33	-11.73	-58.13	
3879.47												
						370.0	-846.21	-205.88	-0.33	-11.73	-113.29	-
1.487e+04												
46	56	2064.80	23.03	-0.04	-595.43	0.0	-106.28	335.64	-0.44	-19.62	23.03	-
2.414e+04												
		-2.681e+04	-139.27	-0.18	0.0	185.0	-327.43	37.93	-0.44	-19.62	-58.12	
2064.80												
						370.0	-548.57	-259.78	-0.44	-19.62	-139.27	-
2.681e+04												
46	57	2.730e+04	82.99	-0.11	-595.43	0.0	466.86	264.33	0.19	22.83	11.30	-
2408.96												
		-2408.96	11.30	0.32	0.0	185.0	245.71	-33.38	0.19	22.83	47.15	
2.730e+04												
						370.0	24.57	-331.09	0.19	22.83	82.99	
1942.38												
46	58	2.605e+04	57.02	-0.11	-595.43	0.0	764.50	210.42	0.08	14.94	37.28	
5894.47												
		-9990.38	37.28	-0.17	0.0	185.0	543.36	-87.29	0.08	14.94	47.15	
2.549e+04												
						370.0	322.21	-385.00	0.08	14.94	57.02	-
9990.38												
46	59	1.704e+04	-10.97	-0.05	-595.43	0.0	-322.30	350.58	-9.94e-04	24.68	-16.06	-
2.676e+04												
		-2.676e+04	-16.06	0.87	0.0	185.0	-543.45	52.87	-9.94e-04	24.68	-13.52	
1.516e+04												
						370.0	-764.59	-244.85	-9.94e-04	24.68	-10.97	
2015.33												
46	60	8942.62	55.36	-0.04	-595.43	0.0	439.34	214.79	-0.40	-11.46	55.36	-
8066.64												
		-3.155e+04	-102.58	-0.74	0.0	185.0	218.19	-82.92	-0.40	-11.46	-23.61	
7728.27												
						370.0	-2.95	-380.64	-0.40	-11.46	-102.58	-
3.155e+04												
46	61	2.306e+04	46.31	-0.08	-595.43	0.0	-78.76	385.19	0.15	14.66	-21.03	-
1.848e+04												
		-1.848e+04	-21.03	0.88	0.0	185.0	-299.91	87.47	0.15	14.66	12.64	

2.164e+04												
						370.0	-521.05	-210.24	0.15	14.66	46.31	
6686.33												
46	62	1.587e+04	50.39	-0.07	-595.43	0.0	682.88	249.40	-0.24	-21.48	50.39	216.04
		-2.688e+04	-45.31	-0.73	0.0	185.0	461.73	-48.32	-0.24	-21.48	2.54	
1.421e+04												
						370.0	240.59	-346.03	-0.24	-21.48	-45.31	-
2.688e+04												
46	63	1.679e+04	-11.77	-0.05	-595.43	0.0	-331.15	386.66	-2.11e-03	14.49	-20.69	-
2.713e+04												
		-2.713e+04	-20.69	0.88	0.0	185.0	-552.29	88.95	-2.11e-03	14.49	-16.23	
1.489e+04												
						370.0	-773.44	-208.76	-2.11e-03	14.49	-11.77	
1828.52												
46	64	8645.41	50.73	-0.04	-595.43	0.0	430.49	250.88	-0.40	-21.65	50.73	-
8430.10												
		-3.174e+04	-103.39	-0.73	0.0	185.0	209.35	-46.84	-0.40	-21.65	-26.33	
7453.14												
						370.0	-11.80	-344.55	-0.40	-21.65	-103.39	-
3.174e+04												
46	65	2.332e+04	47.11	-0.08	-595.43	0.0	-69.91	349.10	0.15	24.86	-16.41	-
1.812e+04												
		-1.812e+04	-16.41	0.88	0.0	185.0	-291.06	51.39	0.15	24.86	15.35	
2.191e+04												
						370.0	-512.20	-246.33	0.15	24.86	47.11	
6873.13												
46	66	1.617e+04	55.01	-0.07	-595.43	0.0	691.73	213.31	-0.24	-11.28	55.01	579.50
		-2.669e+04	-44.50	-0.73	0.0	185.0	470.58	-84.40	-0.24	-11.28	5.25	
1.448e+04												
						370.0	249.44	-382.12	-0.24	-11.28	-44.50	-
2.669e+04												
46	67	1.742e+04	-13.48	-0.05	-595.43	0.0	-437.55	372.53	-0.02	19.75	-23.66	-
3.125e+04												
		-3.125e+04	-23.66	0.88	0.0	185.0	-658.70	74.82	-0.02	19.75	-18.57	
1.447e+04												
						370.0	-879.84	-222.89	-0.02	19.75	-13.48	
5120.74												
46	68	1.059e+04	62.95	-0.04	-595.43	0.0	554.59	192.84	-0.38	-6.53	62.95	-
3575.54												
		-3.466e+04	-100.07	-0.75	0.0	185.0	333.45	-104.88	-0.38	-6.53	-18.56	
8421.11												
						370.0	112.30	-402.59	-0.38	-6.53	-100.07	-
3.466e+04												
46	69	2.332e+04	43.79	-0.08	-595.43	0.0	-194.01	407.14	0.14	9.73	-28.63	-
2.297e+04												
		-2.297e+04	-28.63	0.89	0.0	185.0	-415.16	109.43	0.14	9.73	7.58	
2.095e+04												
						370.0	-636.30	-188.29	0.14	9.73	43.79	
9791.75												
46	70	1.753e+04	57.98	-0.07	-595.43	0.0	798.13	227.44	-0.23	-16.55	57.98	
4707.14												
		-2.998e+04	-42.79	-0.74	0.0	185.0	576.99	-70.27	-0.23	-16.55	7.59	
1.490e+04												
						370.0	355.84	-367.98	-0.23	-16.55	-42.79	-
2.998e+04												
46	71	1.718e+04	-14.29	-0.05	-595.43	0.0	-446.40	408.62	-0.02	9.56	-28.28	-
3.162e+04												
		-3.162e+04	-28.28	0.88	0.0	185.0	-667.55	110.90	-0.02	9.56	-21.28	
1.419e+04												
						370.0	-888.69	-186.81	-0.02	9.56	-14.29	
4933.94												
46	72	1.029e+04	58.33	-0.04	-595.43	0.0	545.74	228.92	-0.38	-16.72	58.33	-
3939.00												
		-3.484e+04	-100.88	-0.74	0.0	185.0	324.60	-68.79	-0.38	-16.72	-21.27	
8145.98												
						370.0	103.45	-366.50	-0.38	-16.72	-100.88	-
3.484e+04												
46	73	2.357e+04	44.60	-0.08	-595.43	0.0	-185.17	371.05	0.14	19.93	-24.01	-
2.261e+04												
		-2.261e+04	-24.01	0.89	0.0	185.0	-406.31	73.34	0.14	19.93	10.30	
2.122e+04												
						370.0	-627.46	-224.37	0.14	19.93	44.60	

9978.55												
46	74	1.784e+04	62.61	-0.07	-595.43	0.0	806.98	191.36	-0.23	-6.35	62.61	
5070.60												
		-2.980e+04	-41.99	-0.74	0.0	185.0	585.83	-106.36	-0.23	-6.35	10.31	
1.517e+04												
						370.0	364.69	-404.07	-0.23	-6.35	-41.99	-
2.980e+04												
46	75	7001.50	15.18	-0.02	-595.43	0.0	-249.62	269.06	-0.28	19.92	15.18	-
2.702e+04												
		-2.702e+04	-95.75	0.26	0.0	185.0	-470.77	-28.66	-0.28	19.92	-40.28	
6663.01												
						370.0	-691.91	-326.37	-0.28	19.92	-95.75	-
1.472e+04												
46	76	4822.81	32.90	-0.03	-595.43	0.0	-60.77	235.37	-0.38	10.96	32.90	-
2.238e+04												
		-2.305e+04	-118.48	-0.14	0.0	185.0	-281.92	-62.34	-0.38	10.96	-42.79	
4822.81												
						370.0	-503.06	-360.06	-0.38	10.96	-118.48	-
2.305e+04												
46	77	2.455e+04	62.20	-0.10	-595.43	0.0	421.35	364.61	0.14	-7.75	1.43	-
4166.10												
		-4166.10	1.43	0.28	0.0	185.0	200.20	66.89	0.14	-7.75	31.82	
2.455e+04												
						370.0	-20.94	-230.82	0.14	-7.75	62.20	-
1816.51												
46	78	2.294e+04	39.47	-0.10	-595.43	0.0	610.20	330.92	0.04	-16.72	19.14	476.95
		-1.014e+04	19.14	-0.12	0.0	185.0	389.05	33.21	0.04	-16.72	29.31	
2.270e+04												
						370.0	167.91	-264.51	0.04	-16.72	39.47	-
1.014e+04												
46	79	6947.94	13.30	-0.02	-595.43	0.0	-278.19	274.50	-0.29	18.70	13.30	-
2.814e+04												
		-2.814e+04	-96.37	0.26	0.0	185.0	-499.34	-23.22	-0.29	18.70	-41.53	
6491.84												
						370.0	-720.48	-320.93	-0.29	18.70	-96.37	-
1.395e+04												
46	80	4993.98	34.78	-0.03	-595.43	0.0	-32.20	229.93	-0.38	12.18	34.78	-
2.127e+04												
		-2.382e+04	-117.86	-0.14	0.0	185.0	-253.35	-67.78	-0.38	12.18	-41.54	
4993.98												
						370.0	-474.49	-365.50	-0.38	12.18	-117.86	-
2.382e+04												
46	81	2.437e+04	61.58	-0.10	-595.43	0.0	392.78	370.04	0.13	-8.97	-0.45	-
5278.15												
		-5278.15	-0.45	0.28	0.0	185.0	171.63	72.33	0.13	-8.97	30.56	
2.437e+04												
						370.0	-49.51	-225.38	0.13	-8.97	61.58	-
1046.79												
46	82	2.323e+04	40.09	-0.10	-595.43	0.0	638.77	325.48	0.04	-15.50	21.02	
1589.01												
		-1.091e+04	21.02	-0.12	0.0	185.0	417.62	27.77	0.04	-15.50	30.56	
2.288e+04												
						370.0	196.48	-269.95	0.04	-15.50	40.09	-
1.091e+04												
46	83	6274.25	2.38	-0.02	-595.43	0.0	-274.00	368.68	-0.29	-8.23	2.38	-
2.802e+04												
		-2.802e+04	-97.97	0.27	0.0	185.0	-495.14	70.96	-0.29	-8.23	-47.79	
5905.46												
						370.0	-716.29	-226.75	-0.29	-8.23	-97.97	-
1.524e+04												
46	84	4065.26	20.10	-0.03	-595.43	0.0	-85.15	334.99	-0.39	-17.20	20.10	-
2.338e+04												
		-2.356e+04	-120.70	-0.13	0.0	185.0	-306.29	37.28	-0.39	-17.20	-50.30	
4065.26												
						370.0	-527.44	-260.44	-0.39	-17.20	-120.70	-
2.356e+04												
46	85	2.530e+04	64.42	-0.10	-595.43	0.0	445.72	264.98	0.14	20.40	14.23	-
3166.19												
		-3166.19	14.23	0.28	0.0	185.0	224.58	-32.73	0.14	20.40	39.32	
2.530e+04												
						370.0	3.43	-330.44	0.14	20.40	64.42	-
1301.31												

46	86	2.373e+04	41.69	-0.10	-595.43	0.0	634.57	231.30	0.04	11.44	31.94	
1476.86												
		-9624.75	31.94	-0.12	0.0	185.0	413.43	-66.41	0.04	11.44	36.82	
2.346e+04												
						370.0	192.28	-364.13	0.04	11.44	41.69	-
9624.75												
46	87	6220.69	0.50	-0.02	-595.43	0.0	-302.57	374.12	-0.29	-9.45	0.50	-
2.914e+04												
		-2.914e+04	-98.58	0.27	0.0	185.0	-523.71	76.40	-0.29	-9.45	-49.04	
5734.29												
						370.0	-744.86	-221.31	-0.29	-9.45	-98.58	-
1.447e+04												
46	88	4236.43	21.98	-0.03	-595.43	0.0	-56.58	329.55	-0.38	-15.98	21.98	-
2.227e+04												
		-2.433e+04	-120.08	-0.13	0.0	185.0	-277.72	31.84	-0.38	-15.98	-49.05	
4236.43												
						370.0	-498.87	-265.88	-0.38	-15.98	-120.08	-
2.433e+04												
46	89	2.513e+04	63.80	-0.10	-595.43	0.0	417.15	270.42	0.14	19.18	12.34	-
4278.24												
		-4278.24	12.34	0.28	0.0	185.0	196.01	-27.29	0.14	19.18	38.07	
2.513e+04												
						370.0	-25.14	-325.00	0.14	19.18	63.80	-
531.60												
46	90	2.401e+04	42.31	-0.10	-595.43	0.0	663.14	225.86	0.05	12.66	33.82	
2588.91												
		-1.039e+04	33.82	-0.13	0.0	185.0	442.00	-71.85	0.05	12.66	38.07	
2.363e+04												
						370.0	220.85	-369.57	0.05	12.66	42.31	-
1.039e+04												
46	91	1.634e+04	-10.30	-0.05	-595.43	0.0	-235.11	341.80	-0.02	20.70	-10.30	-
2.444e+04												
		-2.444e+04	-13.95	0.73	0.0	185.0	-456.25	44.09	-0.02	20.70	-12.12	
1.507e+04												
						370.0	-677.40	-253.63	-0.02	20.70	-13.95	-
495.32												
46	92	9709.20	48.75	-0.04	-595.43	0.0	394.39	229.51	-0.35	-9.19	48.75	-
8963.42												
		-2.824e+04	-89.71	-0.60	0.0	185.0	173.25	-68.20	-0.35	-9.19	-20.48	
8934.66												
						370.0	-47.90	-365.92	-0.35	-9.19	-89.71	-
2.824e+04												
46	93	2.133e+04	33.44	-0.07	-595.43	0.0	-33.82	370.46	0.10	12.39	-14.42	-
1.758e+04												
		-1.758e+04	-14.42	0.74	0.0	185.0	-254.96	72.75	0.10	12.39	9.51	
2.043e+04												
						370.0	-476.11	-224.96	0.10	12.39	33.44	
3376.75												
46	94	1.536e+04	44.62	-0.06	-595.43	0.0	595.68	258.17	-0.22	-17.49	44.62	-
2106.22												
		-2.437e+04	-42.33	-0.59	0.0	185.0	374.54	-39.54	-0.22	-17.49	1.15	
1.430e+04												
						370.0	153.40	-337.25	-0.22	-17.49	-42.33	-
2.437e+04												
46	95	1.613e+04	-14.14	-0.05	-595.43	0.0	-242.42	371.69	-0.02	12.25	-14.14	-
2.474e+04												
		-2.474e+04	-14.61	0.74	0.0	185.0	-463.56	73.97	-0.02	12.25	-14.37	
1.484e+04												
						370.0	-684.71	-223.74	-0.02	12.25	-14.61	-
649.88												
46	96	9472.85	44.91	-0.04	-595.43	0.0	387.08	259.40	-0.35	-17.63	44.91	-
9263.40												
		-2.839e+04	-90.38	-0.59	0.0	185.0	165.94	-38.32	-0.35	-17.63	-22.74	
8707.40												
						370.0	-55.21	-336.03	-0.35	-17.63	-90.38	-
2.839e+04												
46	97	2.154e+04	34.10	-0.07	-595.43	0.0	-26.50	340.58	0.11	20.84	-10.58	-
1.728e+04												
		-1.728e+04	-10.58	0.74	0.0	185.0	-247.65	42.87	0.11	20.84	11.76	
2.066e+04												
						370.0	-468.79	-254.85	0.11	20.84	34.10	
3531.31												

46	98	1.561e+04	48.46	-0.07	-595.43	0.0	603.00	228.29	-0.22	-9.04	48.46	-1806.25
		-2.421e+04	-41.66	-0.59	0.0	185.0	381.85	-69.42	-0.22	-9.04	3.40	1.453e+04
						370.0	160.71	-367.14	-0.22	-9.04	-41.66	-2.421e+04
46	99	1.655e+04	-16.01	-0.05	-595.43	0.0	-330.34	359.93	-0.04	16.63	-16.57	-2.815e+04
		-2.815e+04	-16.57	0.74	0.0	185.0	-551.49	62.22	-0.04	16.63	-16.29	1.450e+04
						370.0	-772.63	-235.49	-0.04	16.63	-16.01	2070.39
46	100	1.098e+04	55.02	-0.04	-595.43	0.0	489.63	211.38	-0.34	-5.12	55.02	-5256.58
		-3.081e+04	-87.65	-0.60	0.0	185.0	268.48	-86.33	-0.34	-5.12	-16.31	9505.23
						370.0	47.34	-384.05	-0.34	-5.12	-87.65	-3.081e+04
46	101	2.155e+04	31.37	-0.07	-595.43	0.0	-129.05	388.60	0.09	8.32	-20.70	-2.129e+04
		-2.129e+04	-20.70	0.75	0.0	185.0	-350.19	90.88	0.09	8.32	5.34	1.986e+04
						370.0	-571.34	-206.83	0.09	8.32	31.37	5942.47
46	102	1.672e+04	50.90	-0.06	-595.43	0.0	690.92	240.04	-0.21	-13.42	50.90	1600.62
		-2.693e+04	-40.26	-0.60	0.0	185.0	469.77	-57.67	-0.21	-13.42	5.32	1.487e+04
						370.0	248.63	-355.38	-0.21	-13.42	-40.26	-2.693e+04
46	103	1.635e+04	-16.68	-0.05	-595.43	0.0	-337.65	389.82	-0.04	8.18	-20.41	-2.845e+04
		-2.845e+04	-20.41	0.74	0.0	185.0	-558.80	92.11	-0.04	8.18	-18.54	1.427e+04
						370.0	-779.94	-205.61	-0.04	8.18	-16.68	1915.83
46	104	1.073e+04	51.18	-0.04	-595.43	0.0	482.31	241.26	-0.34	-13.57	51.18	-5556.55
		-3.096e+04	-88.31	-0.60	0.0	185.0	261.17	-56.45	-0.34	-13.57	-18.57	9277.96
						370.0	40.02	-354.16	-0.34	-13.57	-88.31	-3.096e+04
46	105	2.175e+04	32.04	-0.07	-595.43	0.0	-121.74	358.71	0.09	16.77	-16.86	-2.099e+04
		-2.099e+04	-16.86	0.75	0.0	185.0	-342.88	61.00	0.09	16.77	7.59	2.009e+04
						370.0	-564.03	-236.71	0.09	16.77	32.04	6097.03
46	106	1.696e+04	54.74	-0.07	-595.43	0.0	698.23	210.16	-0.21	-4.97	54.74	1900.59
		-2.678e+04	-39.60	-0.60	0.0	185.0	477.09	-87.56	-0.21	-4.97	7.57	1.510e+04
						370.0	255.94	-385.27	-0.21	-4.97	-39.60	-2.678e+04
51	1	231.86	0.49	-0.02	-17.07	0.0	0.56	2.53	-8.78e-03	0.55	0.49	213.23
		-399.52	-0.41	4.85e-03	0.0	51.0	0.56	-6.01	-8.78e-03	0.55	0.04	124.51
						102.0	0.56	-14.54	-8.78e-03	0.55	-0.41	-399.52
51	2	385.95	5.76	-0.05	-17.07	0.0	5.48	17.79	-0.13	3.48	5.76	-557.51
		-557.51	-7.22	4.22e-03	0.0	51.0	5.48	9.25	-0.13	3.48	-0.73	131.88
						102.0	5.48	0.71	-0.13	3.48	-7.22	385.95
51	3	189.23	0.27	-0.01	-13.13	0.0	0.34	1.66	-4.51e-03	0.37	0.27	178.57
		-322.15	-0.19	3.74e-03	0.0	51.0	0.34	-4.91	-4.51e-03	0.37	0.04	95.64
						102.0	0.34	-11.47	-4.51e-03	0.37	-0.19	-322.15
51	4	463.33	5.55	-0.04	-13.13	0.0	5.26	16.91	-0.12	3.30	5.55	-592.17
		-592.17	-7.00	3.11e-03	0.0	51.0	5.26	10.35	-0.12	3.30	-0.73	103.00
						102.0	5.26	3.78	-0.12	3.30	-7.00	463.33
51	5	183.08	0.33	-0.01	-13.13	0.0	0.39	1.82	-5.78e-03	0.40	0.33	170.35
		-313.77	-0.26	3.73e-03	0.0	51.0	0.39	-4.75	-5.78e-03	0.40	0.04	95.72

						102.0	0.39	-11.31	-5.78e-03	0.40	-0.26	-
313.77												
51	6	214.54	3.85	-0.03	-13.13	0.0	3.67	11.99	-0.08	2.36	3.85	-
343.48												
		-343.48	-4.80	3.32e-03	0.0	51.0	3.67	5.43	-0.08	2.36	-0.48	100.63
						102.0	3.67	-1.14	-0.08	2.36	-4.80	209.88
51	7	183.08	0.33	-0.01	-13.13	0.0	0.39	1.82	-5.78e-03	0.40	0.33	170.35
		-313.77	-0.26	3.73e-03	0.0	51.0	0.39	-4.75	-5.78e-03	0.40	0.04	95.72
						102.0	0.39	-11.31	-5.78e-03	0.40	-0.26	-
313.77												
51	8	121.01	2.79	-0.03	-13.13	0.0	2.69	8.94	-0.06	1.77	2.79	-
189.33												
		-189.33	-3.44	3.44e-03	0.0	51.0	2.69	2.37	-0.06	1.77	-0.32	99.15
						102.0	2.69	-4.19	-0.06	1.77	-3.44	52.79
51	9	183.08	0.33	-0.01	-13.13	0.0	0.39	1.82	-5.78e-03	0.40	0.33	170.35
		-313.77	-0.26	3.73e-03	0.0	51.0	0.39	-4.75	-5.78e-03	0.40	0.04	95.72
						102.0	0.39	-11.31	-5.78e-03	0.40	-0.26	-
313.77												
51	10	105.50	2.44	-0.02	-13.13	0.0	2.36	7.92	-0.05	1.57	2.44	-
137.95												
		-137.95	-2.99	3.48e-03	0.0	51.0	2.36	1.36	-0.05	1.57	-0.27	98.66
						102.0	2.36	-5.21	-0.05	1.57	-2.99	0.42
51	11	7188.33	15.15	-0.13	-13.13	0.0	18.31	-135.62	0.24	2.07	-8.94	
7188.33												
		-7314.36	-8.94	0.09	0.0	51.0	18.31	-142.18	0.24	2.07	3.10	104.41
						102.0	18.31	-148.75	0.24	2.07	15.15	-
7314.36												
51	12	1.195e+04	22.71	0.06	-13.13	0.0	10.42	242.37	0.40	-2.17	-18.32	-
1.210e+04												
		-1.210e+04	-18.32	0.04	0.0	51.0	10.42	235.80	0.40	-2.17	2.19	92.48
						102.0	10.42	229.24	0.40	-2.17	22.71	
1.195e+04												
51	13	1.183e+04	23.21	-0.11	-13.13	0.0	-5.70	-226.52	-0.51	5.32	23.21	
1.183e+04												
		-1.195e+04	-28.68	-0.03	0.0	51.0	-5.70	-233.09	-0.51	5.32	-2.74	104.85
						102.0	-5.70	-239.66	-0.51	5.32	-28.68	-
1.195e+04												
51	14	7315.20	13.83	0.09	-13.13	0.0	-13.59	151.46	-0.34	1.08	13.83	-
7464.22												
		-7464.22	-21.12	-0.08	0.0	51.0	-13.59	144.90	-0.34	1.08	-3.65	92.92
						102.0	-13.59	138.33	-0.34	1.08	-21.12	
7315.20												
51	15	7629.70	15.93	-0.14	-13.13	0.0	17.64	-144.28	0.26	2.11	-10.57	
7629.70												
		-7756.63	-10.57	0.09	0.0	51.0	17.64	-150.85	0.26	2.11	2.68	103.96
						102.0	17.64	-157.41	0.26	2.11	15.93	-
7756.63												
51	16	1.239e+04	21.93	0.06	-13.13	0.0	11.09	251.03	0.37	-2.22	-16.70	-
1.254e+04												
		-1.254e+04	-16.70	0.04	0.0	51.0	11.09	244.47	0.37	-2.22	2.61	92.92
						102.0	11.09	237.90	0.37	-2.22	21.93	
1.239e+04												
51	17	1.227e+04	21.58	-0.11	-13.13	0.0	-6.37	-235.19	-0.48	5.36	21.58	
1.227e+04												
		-1.239e+04	-27.90	-0.04	0.0	51.0	-6.37	-241.75	-0.48	5.36	-3.16	104.41
						102.0	-6.37	-248.32	-0.48	5.36	-27.90	-
1.239e+04												
51	18	7757.47	15.45	0.09	-13.13	0.0	-12.92	160.13	-0.37	1.03	15.45	-
7905.60												
		-7905.60	-21.90	-0.08	0.0	51.0	-12.92	153.56	-0.37	1.03	-3.23	93.36
						102.0	-12.92	146.99	-0.37	1.03	-21.90	
7757.47												
51	19	7992.21	-9.28	-0.13	-13.13	0.0	17.31	-151.36	0.24	2.06	-9.28	
7992.21												
		-8115.85	-28.29	0.10	0.0	51.0	17.31	-157.92	0.24	2.06	-18.79	105.60
						102.0	17.31	-164.49	0.24	2.06	-28.29	-
8115.85												
51	20	1.115e+04	-18.66	0.06	-13.13	0.0	9.42	226.63	0.40	-2.18	-18.66	-
1.130e+04												
		-1.130e+04	-20.73	0.05	0.0	51.0	9.42	220.06	0.40	-2.18	-19.70	93.67
						102.0	9.42	213.50	0.40	-2.18	-20.73	
1.115e+04												

51	21	1.102e+04	23.54	-0.11	-13.13	0.0	-4.71	-210.78	-0.51	5.33	23.54	
1.102e+04												
		-1.115e+04	14.76	-0.04	0.0	51.0	-4.71	-217.35	-0.51	5.33	19.15	103.66
						102.0	-4.71	-223.92	-0.51	5.33	14.76	-
1.115e+04												
51	22	8116.69	22.32	0.08	-13.13	0.0	-12.60	167.20	-0.34	1.09	14.16	-
8268.10												
		-8268.10	14.16	-0.09	0.0	51.0	-12.60	160.64	-0.34	1.09	18.24	91.72
						102.0	-12.60	154.07	-0.34	1.09	22.32	
8116.69												
51	23	8433.58	-10.90	-0.14	-13.13	0.0	16.64	-160.02	0.26	2.10	-10.90	
8433.58												
		-8558.12	-27.51	0.10	0.0	51.0	16.64	-166.59	0.26	2.10	-19.21	105.16
						102.0	16.64	-173.15	0.26	2.10	-27.51	-
8558.12												
51	24	1.159e+04	-17.04	0.07	-13.13	0.0	10.09	235.29	0.37	-2.23	-17.04	-
1.174e+04												
		-1.174e+04	-21.52	0.05	0.0	51.0	10.09	228.73	0.37	-2.23	-19.28	94.11
						102.0	10.09	222.16	0.37	-2.23	-21.52	
1.159e+04												
51	25	1.146e+04	21.92	-0.11	-13.13	0.0	-5.37	-219.45	-0.48	5.38	21.92	
1.146e+04												
		-1.159e+04	15.55	-0.05	0.0	51.0	-5.37	-226.01	-0.48	5.38	18.73	103.21
						102.0	-5.37	-232.58	-0.48	5.38	15.55	-
1.159e+04												
51	26	8558.96	21.54	0.09	-13.13	0.0	-11.93	175.86	-0.37	1.05	15.78	-
8709.48												
		-8709.48	15.78	-0.09	0.0	51.0	-11.93	169.30	-0.37	1.05	18.66	92.17
						102.0	-11.93	162.73	-0.37	1.05	21.54	
8558.96												
51	27	3.132e+04	13.25	-0.35	-13.13	0.0	19.11	-608.42	-0.22	8.15	13.25	
3.132e+04												
		-3.141e+04	-9.01	0.10	0.0	51.0	19.11	-614.99	-0.22	8.15	2.12	118.48
						102.0	19.11	-621.55	-0.22	8.15	-9.01	-
3.141e+04												
51	28	3.280e+04	16.19	0.30	-13.13	0.0	-7.19	651.54	0.33	-5.98	-18.02	-
3.298e+04												
		-3.298e+04	-18.02	-0.06	0.0	51.0	-7.19	644.97	0.33	-5.98	-0.91	78.71
						102.0	-7.19	638.40	0.33	-5.98	16.19	
3.280e+04												
51	29	3.271e+04	22.90	-0.34	-13.13	0.0	11.91	-635.69	-0.44	9.13	22.90	
3.271e+04												
		-3.280e+04	-22.16	0.07	0.0	51.0	11.91	-642.26	-0.44	9.13	0.37	118.61
						102.0	11.91	-648.82	-0.44	9.13	-22.16	-
3.280e+04												
51	30	3.141e+04	3.04	0.30	-13.13	0.0	-14.39	624.26	0.11	-5.01	-8.37	-
3.159e+04												
		-3.159e+04	-8.37	-0.10	0.0	51.0	-14.39	617.70	0.11	-5.01	-2.67	78.85
						102.0	-14.39	611.13	0.11	-5.01	3.04	
3.141e+04												
51	31	3.156e+04	13.15	-0.35	-13.13	0.0	18.81	-613.14	-0.22	8.15	13.15	
3.156e+04												
		-3.165e+04	-22.04	0.11	0.0	51.0	18.81	-619.71	-0.22	8.15	-4.45	118.84
						102.0	18.81	-626.27	-0.22	8.15	-22.04	-
3.165e+04												
51	32	3.256e+04	3.15	0.30	-13.13	0.0	-7.49	646.81	0.33	-5.98	-18.12	-
3.274e+04												
		-3.274e+04	-18.12	-0.06	0.0	51.0	-7.49	640.25	0.33	-5.98	-7.48	79.07
						102.0	-7.49	633.68	0.33	-5.98	3.15	
3.256e+04												
51	33	3.247e+04	23.00	-0.34	-13.13	0.0	12.21	-630.97	-0.44	9.13	23.00	
3.247e+04												
		-3.256e+04	-9.12	0.06	0.0	51.0	12.21	-637.54	-0.44	9.13	6.94	118.26
						102.0	12.21	-644.10	-0.44	9.13	-9.12	-
3.256e+04												
51	34	3.165e+04	16.07	0.30	-13.13	0.0	-14.09	628.99	0.11	-5.00	-8.27	-
3.183e+04												
		-3.183e+04	-8.27	-0.10	0.0	51.0	-14.09	622.42	0.11	-5.00	3.90	78.49
						102.0	-14.09	615.85	0.11	-5.00	16.07	
3.165e+04												
51	35	3.279e+04	7.85	-0.36	-13.13	0.0	16.88	-637.30	-0.12	8.30	7.85	
3.279e+04												

		-3.289e+04	-6.40	0.10	0.0	51.0	16.88	-643.86	-0.12	8.30	0.72	117.00	
						102.0	16.88	-650.43	-0.12	8.30	-6.40		-
3.289e+04													
51	36	3.428e+04	13.58	0.31	-13.13	0.0	-4.96	680.41	0.24	-6.13	-12.61		-
3.445e+04													
		-3.445e+04	-12.61	-0.05	0.0	51.0	-4.96	673.85	0.24	-6.13	0.48	80.19	
						102.0	-4.96	667.28	0.24	-6.13	13.58		
3.428e+04													
51	37	3.418e+04	17.49	-0.35	-13.13	0.0	9.67	-664.57	-0.35	9.27	17.49		
3.418e+04													
		-3.428e+04	-19.55	0.06	0.0	51.0	9.67	-671.13	-0.35	9.27	-1.03	117.14	
						102.0	9.67	-677.70	-0.35	9.27	-19.55		-
3.428e+04													
51	38	3.289e+04	0.43	0.32	-13.13	0.0	-12.16	653.14	0.02	-5.15	-2.96		-
3.306e+04													
		-3.306e+04	-2.96	-0.09	0.0	51.0	-12.16	646.58	0.02	-5.15	-1.27	80.32	
						102.0	-12.16	640.01	0.02	-5.15	0.43		
3.289e+04													
51	39	3.303e+04	7.74	-0.36	-13.13	0.0	16.58	-642.02	-0.12	8.30	7.74		
3.303e+04													
		-3.313e+04	-19.43	0.10	0.0	51.0	16.58	-648.58	-0.12	8.30	-5.84	117.36	
						102.0	16.58	-655.15	-0.12	8.30	-19.43		-
3.313e+04													
51	40	3.404e+04	0.54	0.31	-13.13	0.0	-5.26	675.69	0.24	-6.13	-12.71		-
3.421e+04													
		-3.421e+04	-12.71	-0.05	0.0	51.0	-5.26	669.13	0.24	-6.13	-6.08	80.55	
						102.0	-5.26	662.56	0.24	-6.13	0.54		
3.404e+04													
51	41	3.394e+04	17.59	-0.36	-13.13	0.0	9.97	-659.85	-0.35	9.28	17.59		
3.394e+04													
		-3.404e+04	-6.51	0.06	0.0	51.0	9.97	-666.41	-0.35	9.28	5.54	116.78	
						102.0	9.97	-672.98	-0.35	9.28	-6.51		-
3.404e+04													
51	42	3.313e+04	13.46	0.32	-13.13	0.0	-11.86	657.86	0.02	-5.15	-2.86		-
3.330e+04													
		-3.330e+04	-2.86	-0.09	0.0	51.0	-11.86	651.30	0.02	-5.15	5.30	79.97	
						102.0	-11.86	644.73	0.02	-5.15	13.46		
3.313e+04													
51	43	5677.31	11.29	-0.11	-13.13	0.0	14.88	-106.01	0.18	1.98	-6.51		
5677.31													
		-5805.70	-6.51	0.07	0.0	51.0	14.88	-112.58	0.18	1.98	2.39	103.23	
						102.0	14.88	-119.14	0.18	1.98	11.29		-
5805.70													
51	44	9463.98	17.22	0.04	-13.13	0.0	8.64	193.58	0.30	-1.38	-13.90		-
9611.28													
		-9611.28	-13.90	0.03	0.0	51.0	8.64	187.01	0.30	-1.38	1.66	93.77	
						102.0	8.64	180.45	0.30	-1.38	17.22		
9463.98													
51	45	9335.39	18.78	-0.09	-13.13	0.0	-3.92	-177.73	-0.41	4.52	18.78		
9335.39													
		-9463.13	-23.19	-0.03	0.0	51.0	-3.92	-184.30	-0.41	4.52	-2.20	103.55	
						102.0	-3.92	-190.86	-0.41	4.52	-23.19		-
9463.13													
51	46	5806.54	11.39	0.06	-13.13	0.0	-10.16	121.86	-0.28	1.16	11.39		-
5953.20													
		-5953.20	-17.26	-0.06	0.0	51.0	-10.16	115.29	-0.28	1.16	-2.94	94.10	
						102.0	-10.16	108.73	-0.28	1.16	-17.26		
5806.54													
51	47	6027.13	11.94	-0.11	-13.13	0.0	14.35	-112.88	0.20	2.02	-7.81		
6027.13													
		-6156.22	-7.81	0.07	0.0	51.0	14.35	-119.44	0.20	2.02	2.06	102.88	
						102.0	14.35	-126.01	0.20	2.02	11.94		-
6156.22													
51	48	9814.50	16.58	0.05	-13.13	0.0	9.17	200.44	0.28	-1.41	-12.59		-
9961.10													
		-9961.10	-12.59	0.03	0.0	51.0	9.17	193.88	0.28	-1.41	1.99	94.13	
						102.0	9.17	187.31	0.28	-1.41	16.58		
9814.50													
51	49	9685.21	17.47	-0.09	-13.13	0.0	-4.46	-184.60	-0.39	4.56	17.47		
9685.21													
		-9813.66	-22.55	-0.03	0.0	51.0	-4.46	-191.16	-0.39	4.56	-2.54	103.20	
						102.0	-4.46	-197.73	-0.39	4.56	-22.55		-

9813.66												
51	50	6157.06	12.70	0.07	-13.13	0.0	-9.63	128.72	-0.30	1.13	12.70	-
6303.02												
		-6303.02	-17.91	-0.06	0.0	51.0	-9.63	122.16	-0.30	1.13	-2.60	94.45
						102.0	-9.63	115.59	-0.30	1.13	-17.91	
6157.06												
51	51	6318.92	-6.74	-0.11	-13.13	0.0	14.06	-118.58	0.17	1.97	-6.74	
6318.92												
		-6445.40	-22.82	0.08	0.0	51.0	14.06	-125.14	0.17	1.97	-14.78	104.19
						102.0	14.06	-131.71	0.17	1.97	-22.82	-
6445.40												
51	52	8824.28	-14.13	0.04	-13.13	0.0	7.81	181.02	0.30	-1.39	-14.13	-
8969.66												
		-8969.66	-16.90	0.04	0.0	51.0	7.81	174.45	0.30	-1.39	-15.51	94.73
						102.0	7.81	167.88	0.30	-1.39	-16.90	
8824.28												
51	53	8693.77	19.01	-0.09	-13.13	0.0	-3.10	-165.17	-0.41	4.54	19.01	
8693.77												
		-8823.44	10.93	-0.03	0.0	51.0	-3.10	-171.74	-0.41	4.54	14.97	102.59
						102.0	-3.10	-178.30	-0.41	4.54	10.93	-
8823.44												
51	54	6446.24	16.85	0.06	-13.13	0.0	-9.34	134.42	-0.28	1.18	11.62	-
6594.82												
		-6594.82	11.62	-0.07	0.0	51.0	-9.34	127.85	-0.28	1.18	14.24	93.14
						102.0	-9.34	121.29	-0.28	1.18	16.85	
6446.24												
51	55	6668.74	-8.04	-0.11	-13.13	0.0	13.52	-125.44	0.20	2.01	-8.04	
6668.74												
		-6795.92	-22.18	0.08	0.0	51.0	13.52	-132.01	0.20	2.01	-15.11	103.84
						102.0	13.52	-138.57	0.20	2.01	-22.18	-
6795.92												
51	56	9174.80	-12.82	0.05	-13.13	0.0	8.35	187.88	0.28	-1.42	-12.82	-
9319.48												
		-9319.48	-17.54	0.04	0.0	51.0	8.35	181.32	0.28	-1.42	-15.18	95.08
						102.0	8.35	174.75	0.28	-1.42	-17.54	
9174.80												
51	57	9043.59	17.70	-0.09	-13.13	0.0	-3.63	-172.04	-0.39	4.57	17.70	
9043.59												
		-9173.96	11.57	-0.04	0.0	51.0	-3.63	-178.60	-0.39	4.57	14.64	102.24
						102.0	-3.63	-185.17	-0.39	4.57	11.57	-
9173.96												
51	58	6796.76	16.21	0.07	-13.13	0.0	-8.81	141.29	-0.30	1.14	12.92	-
6944.64												
		-6944.64	12.92	-0.07	0.0	51.0	-8.81	134.72	-0.30	1.14	14.57	93.49
						102.0	-8.81	128.15	-0.30	1.14	16.21	
6796.76												
51	59	2.479e+04	10.96	-0.28	-13.13	0.0	15.58	-480.64	-0.18	6.79	10.96	
2.479e+04												
		-2.490e+04	-7.68	0.08	0.0	51.0	15.58	-487.20	-0.18	6.79	1.64	114.38
						102.0	15.58	-493.77	-0.18	6.79	-7.68	-
2.490e+04												
51	60	2.600e+04	12.06	0.23	-13.13	0.0	-5.22	518.00	0.25	-4.41	-13.67	-
2.617e+04												
		-2.617e+04	-13.67	-0.05	0.0	51.0	-5.22	511.43	0.25	-4.41	-0.81	82.85
						102.0	-5.22	504.87	0.25	-4.41	12.06	
2.600e+04												
51	61	2.589e+04	18.55	-0.28	-13.13	0.0	9.94	-502.15	-0.36	7.56	18.55	
2.589e+04												
		-2.600e+04	-18.03	0.05	0.0	51.0	9.94	-508.72	-0.36	7.56	0.26	114.47
						102.0	9.94	-515.29	-0.36	7.56	-18.03	-
2.600e+04												
51	62	2.490e+04	1.71	0.24	-13.13	0.0	-10.87	496.48	0.07	-3.65	-6.08	-
2.507e+04												
		-2.507e+04	-6.08	-0.08	0.0	51.0	-10.87	489.92	0.07	-3.65	-2.18	82.95
						102.0	-10.87	483.35	0.07	-3.65	1.71	
2.490e+04												
51	63	2.499e+04	10.90	-0.28	-13.13	0.0	15.34	-484.41	-0.18	6.79	10.90	
2.499e+04												
		-2.509e+04	-17.92	0.09	0.0	51.0	15.34	-490.97	-0.18	6.79	-3.51	114.66
						102.0	15.34	-497.54	-0.18	6.79	-17.92	-
2.509e+04												
51	64	2.581e+04	1.82	0.23	-13.13	0.0	-5.47	514.23	0.25	-4.41	-13.74	-

2.598e+04												
		-2.598e+04	-13.74	-0.04	0.0	51.0	-5.47	507.66	0.25	-4.41	-5.96	83.14
						102.0	-5.47	501.10	0.25	-4.41	1.82	
2.581e+04												
51	65	2.570e+04	18.62	-0.28	-13.13	0.0	10.19	-498.39	-0.36	7.56	18.62	
2.570e+04												
		-2.581e+04	-7.79	0.05	0.0	51.0	10.19	-504.95	-0.36	7.56	5.41	114.19
						102.0	10.19	-511.52	-0.36	7.56	-7.79	-
2.581e+04												
51	66	2.509e+04	11.95	0.24	-13.13	0.0	-10.62	500.25	0.07	-3.64	-6.01	-
2.526e+04												
		-2.526e+04	-6.01	-0.08	0.0	51.0	-10.62	493.69	0.07	-3.64	2.97	82.66
						102.0	-10.62	487.12	0.07	-3.64	11.95	
2.509e+04												
51	67	2.596e+04	6.61	-0.29	-13.13	0.0	13.80	-503.52	-0.11	6.91	6.61	
2.596e+04												
		-2.607e+04	-5.55	0.08	0.0	51.0	13.80	-510.09	-0.11	6.91	0.53	113.20
						102.0	13.80	-516.66	-0.11	6.91	-5.55	-
2.607e+04												
51	68	2.717e+04	9.92	0.24	-13.13	0.0	-3.45	540.89	0.18	-4.52	-9.31	-
2.733e+04												
		-2.733e+04	-9.31	-0.04	0.0	51.0	-3.45	534.32	0.18	-4.52	0.30	84.03
						102.0	-3.45	527.75	0.18	-4.52	9.92	
2.717e+04												
51	69	2.706e+04	14.19	-0.29	-13.13	0.0	8.16	-525.04	-0.28	7.67	14.19	
2.706e+04												
		-2.717e+04	-15.89	0.05	0.0	51.0	8.16	-531.61	-0.28	7.67	-0.85	113.30
						102.0	8.16	-538.17	-0.28	7.67	-15.89	-
2.717e+04												
51	70	2.607e+04	-0.42	0.25	-13.13	0.0	-9.09	519.37	7.43e-05	-3.76	-1.73	-
2.624e+04												
		-2.624e+04	-1.73	-0.07	0.0	51.0	-9.09	512.80	7.43e-05	-3.76	-1.08	84.12
						102.0	-9.09	506.24	7.43e-05	-3.76	-0.42	
2.607e+04												
51	71	2.615e+04	6.54	-0.29	-13.13	0.0	13.56	-507.29	-0.11	6.91	6.54	
2.615e+04												
		-2.626e+04	-15.78	0.08	0.0	51.0	13.56	-513.86	-0.11	6.91	-4.62	113.49
						102.0	13.56	-520.42	-0.11	6.91	-15.78	-
2.626e+04												
51	72	2.697e+04	-0.31	0.24	-13.13	0.0	-3.69	537.12	0.18	-4.53	-9.38	-
2.714e+04												
		-2.714e+04	-9.38	-0.04	0.0	51.0	-3.69	530.55	0.18	-4.53	-4.85	84.31
						102.0	-3.69	523.99	0.18	-4.53	-0.31	
2.697e+04												
51	73	2.687e+04	14.26	-0.29	-13.13	0.0	8.41	-521.27	-0.28	7.68	14.26	
2.687e+04												
		-2.697e+04	-5.66	0.05	0.0	51.0	8.41	-527.84	-0.28	7.68	4.30	113.01
						102.0	8.41	-534.40	-0.28	7.68	-5.66	-
2.697e+04												
51	74	2.626e+04	9.81	0.24	-13.13	0.0	-8.84	523.14	4.87e-04	-3.76	-1.66	-
2.643e+04												
		-2.643e+04	-1.66	-0.07	0.0	51.0	-8.84	516.57	4.87e-04	-3.76	4.08	83.84
						102.0	-8.84	510.01	4.87e-04	-3.76	9.81	
2.626e+04												
51	75	4666.55	8.85	-0.10	-13.13	0.0	12.74	-86.21	0.14	1.91	-4.98	
4666.55												
		-4796.53	-4.98	0.06	0.0	51.0	12.74	-92.78	0.14	1.91	1.93	102.44
						102.0	12.74	-99.34	0.14	1.91	8.85	-
4796.53												
51	76	7822.48	13.75	0.03	-13.13	0.0	7.58	161.37	0.24	-0.87	-11.09	-
7968.08												
		-7968.08	-11.09	0.03	0.0	51.0	7.58	154.81	0.24	-0.87	1.33	94.62
						102.0	7.58	148.24	0.24	-0.87	13.75	
7822.48												
51	77	7692.19	15.97	-0.08	-13.13	0.0	-2.86	-145.53	-0.35	4.01	15.97	
7692.19												
		-7821.63	-19.72	-0.02	0.0	51.0	-2.86	-152.10	-0.35	4.01	-1.87	102.70
						102.0	-2.86	-158.66	-0.35	4.01	-19.72	-
7821.63												
51	78	4797.37	9.86	0.05	-13.13	0.0	-8.03	102.05	-0.24	1.24	9.86	-
4942.44												
		-4942.44	-14.82	-0.05	0.0	51.0	-8.03	95.49	-0.24	1.24	-2.48	94.89

						102.0	-8.03	88.92	-0.24	1.24	-14.82	
4797.37												
51	79	4955.64	9.38	-0.10	-13.13	0.0	12.30	-91.88	0.15	1.94	-6.06	
4955.64												
		-5086.20	-6.06	0.06	0.0	51.0	12.30	-98.45	0.15	1.94	1.66	102.15
						102.0	12.30	-105.02	0.15	1.94	9.38	-
5086.20												
51	80	8112.15	13.22	0.03	-13.13	0.0	8.02	167.05	0.22	-0.89	-10.01	-
8257.17												
		-8257.17	-10.01	0.03	0.0	51.0	8.02	160.48	0.22	-0.89	1.61	94.91
						102.0	8.02	153.92	0.22	-0.89	13.22	
8112.15												
51	81	7981.28	14.89	-0.08	-13.13	0.0	-3.31	-151.20	-0.33	4.04	14.89	
7981.28												
		-8111.31	-19.19	-0.02	0.0	51.0	-3.31	-157.77	-0.33	4.04	-2.15	102.41
						102.0	-3.31	-164.34	-0.33	4.04	-19.19	-
8111.31												
51	82	5087.04	10.94	0.05	-13.13	0.0	-7.58	107.73	-0.26	1.21	10.94	-
5231.54												
		-5231.54	-15.35	-0.05	0.0	51.0	-7.58	101.16	-0.26	1.21	-2.20	95.18
						102.0	-7.58	94.60	-0.26	1.21	-15.35	
5087.04												
51	83	5196.30	-5.17	-0.10	-13.13	0.0	12.06	-96.58	0.13	1.90	-5.17	
5196.30												
		-5324.70	-19.42	0.07	0.0	51.0	12.06	-103.15	0.13	1.90	-12.29	103.23
						102.0	12.06	-109.71	0.13	1.90	-19.42	-
5324.70												
51	84	7294.30	-11.28	0.03	-13.13	0.0	6.90	151.00	0.24	-0.88	-11.28	-
7438.33												
		-7438.33	-14.52	0.03	0.0	51.0	6.90	144.44	0.24	-0.88	-12.90	95.41
						102.0	6.90	137.87	0.24	-0.88	-14.52	
7294.30												
51	85	7162.44	16.16	-0.08	-13.13	0.0	-2.18	-135.16	-0.35	4.02	16.16	
7162.44												
		-7293.46	8.55	-0.03	0.0	51.0	-2.18	-141.72	-0.35	4.02	12.35	101.91
						102.0	-2.18	-148.29	-0.35	4.02	8.55	-
7293.46												
51	86	5325.54	13.45	0.05	-13.13	0.0	-7.34	112.43	-0.24	1.25	10.05	-
5472.19												
		-5472.19	10.05	-0.06	0.0	51.0	-7.34	105.86	-0.24	1.25	11.75	94.10
						102.0	-7.34	99.29	-0.24	1.25	13.45	
5325.54												
51	87	5485.39	-6.24	-0.10	-13.13	0.0	11.62	-102.26	0.15	1.93	-6.24	
5485.39												
		-5614.37	-18.89	0.07	0.0	51.0	11.62	-108.82	0.15	1.93	-12.57	102.94
						102.0	11.62	-115.39	0.15	1.93	-18.89	-
5614.37												
51	88	7583.98	-10.20	0.03	-13.13	0.0	7.34	156.68	0.22	-0.90	-10.20	-
7727.42												
		-7727.42	-15.05	0.04	0.0	51.0	7.34	150.11	0.22	-0.90	-12.62	95.70
						102.0	7.34	143.55	0.22	-0.90	-15.05	
7583.98												
51	89	7451.53	15.08	-0.08	-13.13	0.0	-2.62	-140.83	-0.33	4.05	15.08	
7451.53												
		-7583.14	9.08	-0.03	0.0	51.0	-2.62	-147.40	-0.33	4.05	12.08	101.62
						102.0	-2.62	-153.96	-0.33	4.05	9.08	-
7583.14												
51	90	5615.21	12.92	0.05	-13.13	0.0	-6.90	118.10	-0.26	1.22	11.13	-
5761.29												
		-5761.29	11.13	-0.06	0.0	51.0	-6.90	111.53	-0.26	1.22	12.02	94.39
						102.0	-6.90	104.97	-0.26	1.22	12.92	
5615.21												
51	91	2.047e+04	9.48	-0.24	-13.13	0.0	13.30	-395.82	-0.16	5.89	9.48	
2.047e+04												
		-2.058e+04	-6.87	0.07	0.0	51.0	13.30	-402.39	-0.16	5.89	1.31	111.65
						102.0	13.30	-408.95	-0.16	5.89	-6.87	-
2.058e+04												
51	92	2.149e+04	9.47	0.19	-13.13	0.0	-3.90	429.46	0.20	-3.37	-10.89	-
2.165e+04												
		-2.165e+04	-10.89	-0.04	0.0	51.0	-3.90	422.90	0.20	-3.37	-0.71	85.60
						102.0	-3.90	416.33	0.20	-3.37	9.47	
2.149e+04												

51	93	2.137e+04	15.77	-0.23	-13.13	0.0	8.62	-413.62	-0.30	6.52	15.77	
2.137e+04												
		-2.149e+04	-15.44	0.04	0.0	51.0	8.62	-420.18	-0.30	6.52	0.16	111.73
						102.0	8.62	-426.75	-0.30	6.52	-15.44	-
2.149e+04												
51	94	2.058e+04	0.90	0.19	-13.13	0.0	-8.58	411.67	0.05	-2.74	-4.60	-
2.074e+04												
		-2.074e+04	-4.60	-0.06	0.0	51.0	-8.58	405.10	0.05	-2.74	-1.85	85.68
						102.0	-8.58	398.53	0.05	-2.74	0.90	
2.058e+04												
51	95	2.062e+04	9.43	-0.24	-13.13	0.0	13.09	-398.93	-0.16	5.88	9.43	
2.062e+04												
		-2.074e+04	-15.35	0.07	0.0	51.0	13.09	-405.50	-0.16	5.88	-2.96	111.89
						102.0	13.09	-412.06	-0.16	5.88	-15.35	-
2.074e+04												
51	96	2.133e+04	0.99	0.19	-13.13	0.0	-4.11	426.35	0.20	-3.37	-10.94	-
2.149e+04												
		-2.149e+04	-10.94	-0.04	0.0	51.0	-4.11	419.78	0.20	-3.37	-4.98	85.84
						102.0	-4.11	413.22	0.20	-3.37	0.99	
2.133e+04												
51	97	2.121e+04	15.82	-0.23	-13.13	0.0	8.82	-410.51	-0.30	6.52	15.82	
2.121e+04												
		-2.133e+04	-6.96	0.04	0.0	51.0	8.82	-417.07	-0.30	6.52	4.43	111.49
						102.0	8.82	-423.64	-0.30	6.52	-6.96	-
2.133e+04												
51	98	2.074e+04	9.38	0.19	-13.13	0.0	-8.38	414.78	0.05	-2.74	-4.54	-
2.090e+04												
		-2.090e+04	-4.54	-0.06	0.0	51.0	-8.38	408.21	0.05	-2.74	2.42	85.44
						102.0	-8.38	401.65	0.05	-2.74	9.38	
2.074e+04												
51	99	2.143e+04	5.89	-0.25	-13.13	0.0	11.83	-414.73	-0.10	5.98	5.89	
2.143e+04												
		-2.154e+04	-5.11	0.06	0.0	51.0	11.83	-421.30	-0.10	5.98	0.39	110.68
						102.0	11.83	-427.87	-0.10	5.98	-5.11	-
2.154e+04												
51	100	2.245e+04	7.71	0.19	-13.13	0.0	-2.43	448.38	0.14	-3.47	-7.29	-
2.261e+04												
		-2.261e+04	-7.29	-0.03	0.0	51.0	-2.43	441.81	0.14	-3.47	0.21	86.57
						102.0	-2.43	435.24	0.14	-3.47	7.71	
2.245e+04												
51	101	2.234e+04	12.17	-0.24	-13.13	0.0	7.15	-432.53	-0.24	6.61	12.17	
2.234e+04												
		-2.245e+04	-13.68	0.04	0.0	51.0	7.15	-439.10	-0.24	6.61	-0.75	110.76
						102.0	7.15	-445.66	-0.24	6.61	-13.68	-
2.245e+04												
51	102	2.154e+04	-0.86	0.20	-13.13	0.0	-7.11	430.58	-9.04e-03	-2.84	-1.01	-
2.171e+04												
		-2.171e+04	-1.01	-0.06	0.0	51.0	-7.11	424.01	-9.04e-03	-2.84	-0.93	86.65
						102.0	-7.11	417.45	-9.04e-03	-2.84	-0.86	
2.154e+04												
51	103	2.159e+04	5.83	-0.25	-13.13	0.0	11.63	-417.85	-0.10	5.98	5.83	
2.159e+04												
		-2.170e+04	-13.59	0.07	0.0	51.0	11.63	-424.41	-0.10	5.98	-3.88	110.92
						102.0	11.63	-430.98	-0.10	5.98	-13.59	-
2.170e+04												
51	104	2.229e+04	-0.77	0.19	-13.13	0.0	-2.64	445.26	0.14	-3.47	-7.35	-
2.245e+04												
		-2.245e+04	-7.35	-0.03	0.0	51.0	-2.64	438.70	0.14	-3.47	-4.06	86.80
						102.0	-2.64	432.13	0.14	-3.47	-0.77	
2.229e+04												
51	105	2.218e+04	12.23	-0.24	-13.13	0.0	7.35	-429.42	-0.24	6.62	12.23	
2.218e+04												
		-2.229e+04	-5.20	0.04	0.0	51.0	7.35	-435.98	-0.24	6.62	3.52	110.52
						102.0	7.35	-442.55	-0.24	6.62	-5.20	-
2.229e+04												
51	106	2.170e+04	7.62	0.20	-13.13	0.0	-6.91	433.69	-8.71e-03	-2.83	-0.95	-
2.186e+04												
		-2.186e+04	-0.95	-0.06	0.0	51.0	-6.91	427.13	-8.71e-03	-2.83	3.33	86.41
						102.0	-6.91	420.56	-8.71e-03	-2.83	7.62	
2.170e+04												
52	1	383.18	3.44	-0.02	-17.07	0.0	0.63	-1.19	0.07	0.17	-3.43	383.18
		-609.03	-3.43	5.79e-04	0.0	51.0	0.63	-9.73	0.07	0.17	1.64e-03	104.73

						102.0	0.63	-18.26	0.07	0.17	3.44	-
609.03												
52	2	613.34	21.49	-0.05	-17.07	0.0	0.95	22.71	0.42	-0.62	-21.57	-
832.47												
		-832.47	-21.57	-8.78e-03	0.0	51.0	0.95	14.17	0.42	-0.62	-0.04	108.09
						102.0	0.95	5.64	0.42	-0.62	21.49	613.34
52	3	317.69	2.30	-0.01	-13.13	0.0	0.48	-1.37	0.05	0.14	-2.30	317.69
		-491.55	-2.30	6.22e-04	0.0	51.0	0.48	-7.93	0.05	0.14	2.03e-03	80.50
						102.0	0.48	-14.50	0.05	0.14	2.30	-
491.55												
52	4	730.82	20.36	-0.04	-13.13	0.0	0.80	22.53	0.40	-0.64	-20.44	-
897.96												
		-897.96	-20.44	-8.73e-03	0.0	51.0	0.80	15.97	0.40	-0.64	-0.04	83.86
						102.0	0.80	9.40	0.40	-0.64	20.36	730.82
52	5	304.72	2.50	-0.01	-13.13	0.0	0.48	-1.11	0.05	0.13	-2.49	304.72
		-478.51	-2.49	5.22e-04	0.0	51.0	0.48	-7.68	0.05	0.13	1.60e-03	80.53
						102.0	0.48	-14.24	0.05	0.13	2.50	-
478.51												
52	6	336.40	14.53	-0.03	-13.13	0.0	0.69	14.82	0.29	-0.39	-14.58	-
505.71												
		-505.71	-14.58	-5.71e-03	0.0	51.0	0.69	8.26	0.29	-0.39	-0.03	82.77
						102.0	0.69	1.69	0.29	-0.39	14.53	336.40
52	7	304.72	2.50	-0.01	-13.13	0.0	0.48	-1.11	0.05	0.13	-2.49	304.72
		-478.51	-2.49	5.22e-04	0.0	51.0	0.48	-7.68	0.05	0.13	1.60e-03	80.53
						102.0	0.48	-14.24	0.05	0.13	2.50	-
478.51												
52	8	128.87	10.92	-0.03	-13.13	0.0	0.63	10.04	0.21	-0.23	-10.96	-
262.58												
		-262.58	-10.96	-3.84e-03	0.0	51.0	0.63	3.48	0.21	-0.23	-0.02	82.10
						102.0	0.63	-3.09	0.21	-0.23	10.92	91.93
52	9	304.72	2.50	-0.01	-13.13	0.0	0.48	-1.11	0.05	0.13	-2.49	304.72
		-478.51	-2.49	5.22e-04	0.0	51.0	0.48	-7.68	0.05	0.13	1.60e-03	80.53
						102.0	0.48	-14.24	0.05	0.13	2.50	-
478.51												
52	10	95.41	9.72	-0.02	-13.13	0.0	0.61	8.45	0.19	-0.18	-9.75	-
181.53												
		-181.53	-9.75	-3.22e-03	0.0	51.0	0.61	1.88	0.19	-0.18	-0.01	81.88
						102.0	0.61	-4.68	0.19	-0.18	9.72	10.43
52	11	1.195e+04	12.00	-0.13	-13.13	0.0	1.05	-229.45	0.23	7.72	-11.81	
1.195e+04												
		-1.212e+04	-11.81	0.04	0.0	51.0	1.05	-236.01	0.23	7.72	0.10	83.69
						102.0	1.05	-242.58	0.23	7.72	12.00	-
1.212e+04												
52	12	2.020e+04	14.14	0.06	-13.13	0.0	0.39	404.43	-0.28	3.54	14.14	-
2.038e+04												
		-2.038e+04	-14.08	0.02	0.0	51.0	0.39	397.87	-0.28	3.54	0.03	75.15
						102.0	0.39	391.30	-0.28	3.54	-14.08	
2.020e+04												
52	13	2.002e+04	33.52	-0.11	-13.13	0.0	0.83	-387.54	0.66	-3.90	-33.63	
2.002e+04												
		-2.018e+04	-33.63	-0.03	0.0	51.0	0.83	-394.10	0.66	-3.90	-0.06	88.60
						102.0	0.83	-400.67	0.66	-3.90	33.52	-
2.018e+04												
52	14	1.214e+04	7.43	0.09	-13.13	0.0	0.17	246.34	0.15	-8.08	-7.68	-
1.232e+04												
		-1.232e+04	-7.68	-0.04	0.0	51.0	0.17	239.78	0.15	-8.08	-0.12	80.06
						102.0	0.17	233.21	0.15	-8.08	7.43	
1.214e+04												
52	15	1.266e+04	12.34	-0.14	-13.13	0.0	1.06	-243.33	0.24	8.28	-12.11	
1.266e+04												
		-1.283e+04	-12.11	0.04	0.0	51.0	1.06	-249.89	0.24	8.28	0.12	84.25
						102.0	1.06	-256.46	0.24	8.28	12.34	-
1.283e+04												
52	16	2.091e+04	14.43	0.06	-13.13	0.0	0.37	418.31	-0.28	2.97	14.43	-
2.109e+04												
		-2.109e+04	-14.42	0.03	0.0	51.0	0.37	411.74	-0.28	2.97	5.53e-03	74.59
						102.0	0.37	405.18	-0.28	2.97	-14.42	
2.091e+04												
52	17	2.073e+04	33.86	-0.11	-13.13	0.0	0.85	-401.41	0.66	-3.33	-33.93	
2.073e+04												
		-2.089e+04	-33.93	-0.03	0.0	51.0	0.85	-407.98	0.66	-3.33	-0.03	89.16
						102.0	0.85	-414.55	0.66	-3.33	33.86	-

2.089e+04												
52	18	1.285e+04	7.10	0.09	-13.13	0.0	0.16	260.22	0.14	-8.64	-7.39	-
1.302e+04												
		-1.302e+04	-7.39	-0.04	0.0	51.0	0.16	253.66	0.14	-8.64	-0.15	79.50
						102.0	0.16	247.09	0.14	-8.64	7.10	
1.285e+04												
52	19	1.322e+04	11.16	-0.13	-13.13	0.0	1.03	-254.20	0.22	8.05	-11.03	
1.322e+04												
		-1.338e+04	-11.03	0.04	0.0	51.0	1.03	-260.77	0.22	8.05	0.06	83.44
						102.0	1.03	-267.33	0.22	8.05	11.16	-
1.338e+04												
52	20	1.894e+04	14.92	0.06	-13.13	0.0	0.37	379.68	-0.29	3.87	14.92	-
1.912e+04												
		-1.912e+04	-14.93	0.03	0.0	51.0	0.37	373.12	-0.29	3.87	-4.01e-03	74.91
						102.0	0.37	366.55	-0.29	3.87	-14.93	
1.894e+04												
52	21	1.876e+04	34.36	-0.11	-13.13	0.0	0.85	-362.79	0.67	-4.23	-34.41	
1.876e+04												
		-1.892e+04	-34.41	-0.04	0.0	51.0	0.85	-369.35	0.67	-4.23	-0.03	88.85
						102.0	0.85	-375.92	0.67	-4.23	34.36	-
1.892e+04												
52	22	1.340e+04	8.28	0.08	-13.13	0.0	0.19	271.10	0.16	-8.41	-8.47	-
1.358e+04												
		-1.358e+04	-8.47	-0.05	0.0	51.0	0.19	264.53	0.16	-8.41	-0.09	80.31
						102.0	0.19	257.96	0.16	-8.41	8.28	
1.340e+04												
52	23	1.392e+04	11.50	-0.14	-13.13	0.0	1.04	-268.08	0.22	8.61	-11.33	
1.392e+04												
		-1.409e+04	-11.33	0.04	0.0	51.0	1.04	-274.64	0.22	8.61	0.09	84.00
						102.0	1.04	-281.21	0.22	8.61	11.50	-
1.409e+04												
52	24	1.964e+04	15.21	0.06	-13.13	0.0	0.36	393.56	-0.30	3.31	15.21	-
1.983e+04												
		-1.983e+04	-15.26	0.03	0.0	51.0	0.36	386.99	-0.30	3.31	-0.03	74.35
						102.0	0.36	380.43	-0.30	3.31	-15.26	
1.964e+04												
52	25	1.947e+04	34.70	-0.11	-13.13	0.0	0.86	-376.66	0.68	-3.67	-34.71	
1.947e+04												
		-1.962e+04	-34.71	-0.04	0.0	51.0	0.86	-383.23	0.68	-3.67	-4.41e-03	89.41
						102.0	0.86	-389.80	0.68	-3.67	34.70	-
1.962e+04												
52	26	1.411e+04	7.94	0.09	-13.13	0.0	0.18	284.97	0.16	-8.97	-8.17	-
1.429e+04												
		-1.429e+04	-8.17	-0.05	0.0	51.0	0.18	278.41	0.16	-8.97	-0.12	79.75
						102.0	0.18	271.84	0.16	-8.97	7.94	
1.411e+04												
52	27	5.250e+04	49.97	-0.35	-13.13	0.0	1.74	-1024.31	0.98	8.53	-49.72	
5.250e+04												
		-5.265e+04	-49.72	0.03	0.0	51.0	1.74	-1030.87	0.98	8.53	0.12	95.37
						102.0	1.74	-1037.44	0.98	8.53	49.97	-
5.265e+04												
52	28	5.508e+04	36.77	0.29	-13.13	0.0	-0.46	1088.63	-0.72	-5.40	36.77	-
5.529e+04												
		-5.529e+04	-36.99	-0.01	0.0	51.0	-0.46	1082.06	-0.72	-5.40	-0.11	66.91
						102.0	-0.46	1075.50	-0.72	-5.40	-36.99	
5.508e+04												
52	29	5.492e+04	56.42	-0.34	-13.13	0.0	1.68	-1071.74	1.10	5.05	-56.27	
5.492e+04												
		-5.506e+04	-56.27	7.50e-03	0.0	51.0	1.68	-1078.30	1.10	5.05	0.08	96.84
						102.0	1.68	-1084.87	1.10	5.05	56.42	-
5.506e+04												
52	30	5.267e+04	30.23	0.30	-13.13	0.0	-0.52	1041.20	-0.60	-8.89	30.23	-
5.287e+04												
		-5.287e+04	-30.53	-0.03	0.0	51.0	-0.52	1034.64	-0.60	-8.89	-0.15	68.39
						102.0	-0.52	1028.07	-0.60	-8.89	-30.53	
5.267e+04												
52	31	5.288e+04	49.71	-0.35	-13.13	0.0	1.73	-1031.73	0.97	8.63	-49.49	
5.288e+04												
		-5.303e+04	-49.49	0.03	0.0	51.0	1.73	-1038.30	0.97	8.63	0.11	95.29
						102.0	1.73	-1044.87	0.97	8.63	49.71	-
5.303e+04												
52	32	5.471e+04	37.01	0.30	-13.13	0.0	-0.46	1081.21	-0.73	-5.30	37.01	-

5.491e+04												
		-5.491e+04	-37.24	-0.01	0.0	51.0	-0.46	1074.64	-0.73	-5.30	-0.12	66.84
						102.0	-0.46	1068.07	-0.73	-5.30	-37.24	
5.471e+04												
52	33	5.454e+04	56.67	-0.34	-13.13	0.0	1.68	-1064.31	1.11	4.95	-56.50	
5.454e+04												
		-5.469e+04	-56.50	5.73e-03	0.0	51.0	1.68	-1070.88	1.11	4.95	0.09	96.92
						102.0	1.68	-1077.44	1.11	4.95	56.67	-
5.469e+04												
52	34	5.305e+04	29.99	0.30	-13.13	0.0	-0.51	1048.63	-0.59	-8.99	29.99	-
5.324e+04												
		-5.324e+04	-30.28	-0.04	0.0	51.0	-0.51	1042.06	-0.59	-8.99	-0.14	68.46
						102.0	-0.51	1035.50	-0.59	-8.99	-30.28	
5.305e+04												
52	35	5.486e+04	51.09	-0.36	-13.13	0.0	1.79	-1070.57	1.00	10.41	-50.71	
5.486e+04												
		-5.500e+04	-50.71	0.03	0.0	51.0	1.79	-1077.13	1.00	10.41	0.19	97.24
						102.0	1.79	-1083.70	1.00	10.41	51.09	-
5.500e+04												
52	36	5.744e+04	37.76	0.31	-13.13	0.0	-0.50	1134.89	-0.74	-7.28	37.76	-
5.765e+04												
		-5.765e+04	-38.11	-0.01	0.0	51.0	-0.50	1128.32	-0.74	-7.28	-0.18	65.04
						102.0	-0.50	1121.76	-0.74	-7.28	-38.11	
5.744e+04												
52	37	5.728e+04	57.55	-0.35	-13.13	0.0	1.72	-1117.99	1.13	6.92	-57.25	
5.728e+04												
		-5.742e+04	-57.25	5.12e-03	0.0	51.0	1.72	-1124.56	1.13	6.92	0.15	98.71
						102.0	1.72	-1131.12	1.13	6.92	57.55	-
5.742e+04												
52	38	5.502e+04	31.21	0.31	-13.13	0.0	-0.57	1087.46	-0.62	-10.77	31.21	-
5.523e+04												
		-5.523e+04	-31.66	-0.03	0.0	51.0	-0.57	1080.90	-0.62	-10.77	-0.22	66.52
						102.0	-0.57	1074.33	-0.62	-10.77	-31.66	
5.502e+04												
52	39	5.524e+04	50.84	-0.36	-13.13	0.0	1.78	-1077.99	0.99	10.51	-50.47	
5.524e+04												
		-5.538e+04	-50.47	0.03	0.0	51.0	1.78	-1084.56	0.99	10.51	0.18	97.16
						102.0	1.78	-1091.12	0.99	10.51	50.84	-
5.538e+04												
52	40	5.706e+04	37.99	0.31	-13.13	0.0	-0.51	1127.46	-0.75	-7.18	37.99	-
5.727e+04												
		-5.727e+04	-38.36	-9.79e-03	0.0	51.0	-0.51	1120.90	-0.75	-7.18	-0.19	64.97
						102.0	-0.51	1114.33	-0.75	-7.18	-38.36	
5.706e+04												
52	41	5.691e+04	57.80	-0.35	-13.13	0.0	1.73	-1110.57	1.13	6.82	-57.49	
5.691e+04												
		-5.704e+04	-57.49	3.35e-03	0.0	51.0	1.73	-1117.13	1.13	6.82	0.16	98.78
						102.0	1.73	-1123.70	1.13	6.82	57.80	-
5.704e+04												
52	42	5.540e+04	30.98	0.31	-13.13	0.0	-0.56	1094.89	-0.61	-10.87	30.98	-
5.561e+04												
		-5.561e+04	-31.40	-0.03	0.0	51.0	-0.56	1088.32	-0.61	-10.87	-0.21	66.59
						102.0	-0.56	1081.76	-0.61	-10.87	-31.40	
5.540e+04												
52	43	9445.36	11.74	-0.11	-13.13	0.0	0.95	-180.29	0.23	6.07	-11.59	
9445.36												
		-9613.57	-11.59	0.03	0.0	51.0	0.95	-186.85	0.23	6.07	0.07	83.32
						102.0	0.95	-193.42	0.23	6.07	11.74	-
9613.57												
52	44	1.600e+04	8.97	0.04	-13.13	0.0	0.43	322.16	-0.18	2.76	8.97	-
1.619e+04												
		-1.619e+04	-8.93	0.02	0.0	51.0	0.43	315.59	-0.18	2.76	0.02	76.55
						102.0	0.43	309.02	-0.18	2.76	-8.93	
1.600e+04												
52	45	1.582e+04	28.37	-0.09	-13.13	0.0	0.79	-305.26	0.56	-3.12	-28.47	
1.582e+04												
		-1.598e+04	-28.47	-0.03	0.0	51.0	0.79	-311.83	0.56	-3.12	-0.05	87.20
						102.0	0.79	-318.39	0.56	-3.12	28.37	-
1.598e+04												
52	46	9634.44	7.70	0.06	-13.13	0.0	0.26	197.18	0.15	-6.43	-7.91	-
9808.42												
		-9808.42	-7.91	-0.04	0.0	51.0	0.26	190.62	0.15	-6.43	-0.10	80.43

						102.0	0.26	184.05	0.15	-6.43	7.70	
9634.44												
52	47	1.001e+04	12.00	-0.11	-13.13	0.0	0.97	-191.29	0.23	6.52	-11.82	
1.001e+04												
		-1.017e+04	-11.82	0.03	0.0	51.0	0.97	-197.85	0.23	6.52	0.09	83.76
						102.0	0.97	-204.42	0.23	6.52	12.00	-
1.017e+04												
52	48	1.656e+04	9.21	0.05	-13.13	0.0	0.42	333.16	-0.18	2.31	9.21	-
1.675e+04												
		-1.675e+04	-9.20	0.02	0.0	51.0	0.42	326.59	-0.18	2.31	3.21e-03	76.11
						102.0	0.42	320.02	-0.18	2.31	-9.20	
1.656e+04												
52	49	1.638e+04	28.64	-0.09	-13.13	0.0	0.80	-316.26	0.56	-2.67	-28.70	
1.638e+04												
		-1.654e+04	-28.70	-0.03	0.0	51.0	0.80	-322.83	0.56	-2.67	-0.03	87.64
						102.0	0.80	-329.39	0.56	-2.67	28.64	-
1.654e+04												
52	50	1.020e+04	7.43	0.07	-13.13	0.0	0.25	208.18	0.15	-6.88	-7.67	-
1.037e+04												
		-1.037e+04	-7.67	-0.03	0.0	51.0	0.25	201.62	0.15	-6.88	-0.12	79.99
						102.0	0.25	195.05	0.15	-6.88	7.43	
1.020e+04												
52	51	1.045e+04	11.00	-0.11	-13.13	0.0	0.94	-200.07	0.21	6.33	-10.90	
1.045e+04												
		-1.062e+04	-10.90	0.03	0.0	51.0	0.94	-206.64	0.21	6.33	0.05	83.13
						102.0	0.94	-213.20	0.21	6.33	11.00	-
1.062e+04												
52	52	1.500e+04	9.66	0.04	-13.13	0.0	0.42	302.37	-0.19	3.02	9.66	-
1.518e+04												
		-1.518e+04	-9.67	0.02	0.0	51.0	0.42	295.81	-0.19	3.02	-5.04e-03	76.36
						102.0	0.42	289.24	-0.19	3.02	-9.67	
1.500e+04												
52	53	1.481e+04	29.11	-0.09	-13.13	0.0	0.80	-285.48	0.57	-3.38	-29.16	
1.481e+04												
		-1.497e+04	-29.16	-0.03	0.0	51.0	0.80	-292.04	0.57	-3.38	-0.02	87.39
						102.0	0.80	-298.61	0.57	-3.38	29.11	-
1.497e+04												
52	54	1.064e+04	8.44	0.06	-13.13	0.0	0.28	216.97	0.17	-6.69	-8.60	-
1.082e+04												
		-1.082e+04	-8.60	-0.04	0.0	51.0	0.28	210.40	0.17	-6.69	-0.08	80.63
						102.0	0.28	203.84	0.17	-6.69	8.44	
1.064e+04												
52	55	1.102e+04	11.26	-0.11	-13.13	0.0	0.95	-211.07	0.22	6.78	-11.13	
1.102e+04												
		-1.118e+04	-11.13	0.03	0.0	51.0	0.95	-217.64	0.22	6.78	0.07	83.57
						102.0	0.95	-224.20	0.22	6.78	11.26	-
1.118e+04												
52	56	1.556e+04	9.90	0.05	-13.13	0.0	0.41	313.37	-0.19	2.57	9.90	-
1.574e+04												
		-1.574e+04	-9.94	0.02	0.0	51.0	0.41	306.81	-0.19	2.57	-0.02	75.92
						102.0	0.41	300.24	-0.19	2.57	-9.94	
1.556e+04												
52	57	1.538e+04	29.37	-0.09	-13.13	0.0	0.81	-296.48	0.58	-2.93	-29.39	
1.538e+04												
		-1.553e+04	-29.39	-0.03	0.0	51.0	0.81	-303.04	0.58	-2.93	-7.73e-03	87.84
						102.0	0.81	-309.61	0.58	-2.93	29.37	-
1.553e+04												
52	58	1.120e+04	8.17	0.07	-13.13	0.0	0.27	227.97	0.16	-7.14	-8.36	-
1.138e+04												
		-1.138e+04	-8.36	-0.04	0.0	51.0	0.27	221.40	0.16	-7.14	-0.10	80.18
						102.0	0.27	214.84	0.16	-7.14	8.17	
1.120e+04												
52	59	4.158e+04	41.68	-0.28	-13.13	0.0	1.50	-810.21	0.82	6.72	-41.49	
4.158e+04												
		-4.173e+04	-41.49	0.02	0.0	51.0	1.50	-816.78	0.82	6.72	0.09	92.57
						102.0	1.50	-823.34	0.82	6.72	41.68	-
4.173e+04												
52	60	4.366e+04	27.06	0.23	-13.13	0.0	-0.24	864.60	-0.53	-4.32	27.06	-
4.386e+04												
		-4.386e+04	-27.23	-0.01	0.0	51.0	-0.24	858.03	-0.53	-4.32	-0.09	70.02
						102.0	-0.24	851.47	-0.53	-4.32	-27.23	
4.366e+04												

52	61	4.349e+04	46.67	-0.28	-13.13	0.0	1.45	-847.70	0.91	3.96	-46.55	
4.349e+04												
		-4.364e+04	-46.55	5.21e-03	0.0	51.0	1.45	-854.27	0.91	3.96	0.06	93.74
						102.0	1.45	-860.83	0.91	3.96	46.67	-
4.364e+04												
52	62	4.175e+04	21.99	0.23	-13.13	0.0	-0.29	827.11	-0.43	-7.08	21.99	-
4.194e+04												
		-4.194e+04	-22.24	-0.03	0.0	51.0	-0.29	820.54	-0.43	-7.08	-0.12	71.18
						102.0	-0.29	813.97	-0.43	-7.08	-22.24	
4.175e+04												
52	63	4.188e+04	41.45	-0.28	-13.13	0.0	1.50	-816.15	0.81	6.80	-41.28	
4.188e+04												
		-4.203e+04	-41.28	0.02	0.0	51.0	1.50	-822.71	0.81	6.80	0.09	92.51
						102.0	1.50	-829.28	0.81	6.80	41.45	-
4.203e+04												
52	64	4.336e+04	27.26	0.23	-13.13	0.0	-0.24	858.66	-0.54	-4.24	27.26	-
4.355e+04												
		-4.355e+04	-27.45	-0.01	0.0	51.0	-0.24	852.10	-0.54	-4.24	-0.09	69.96
						102.0	-0.24	845.53	-0.54	-4.24	-27.45	
4.336e+04												
52	65	4.319e+04	46.89	-0.28	-13.13	0.0	1.46	-841.77	0.92	3.88	-46.76	
4.319e+04												
		-4.334e+04	-46.76	3.78e-03	0.0	51.0	1.46	-848.33	0.92	3.88	0.07	93.79
						102.0	1.46	-854.90	0.92	3.88	46.89	-
4.334e+04												
52	66	4.205e+04	21.78	0.23	-13.13	0.0	-0.28	833.04	-0.43	-7.16	21.78	-
4.225e+04												
		-4.225e+04	-22.02	-0.03	0.0	51.0	-0.28	826.48	-0.43	-7.16	-0.12	71.24
						102.0	-0.28	819.91	-0.43	-7.16	-22.02	
4.205e+04												
52	67	4.345e+04	42.56	-0.29	-13.13	0.0	1.54	-846.88	0.83	8.21	-42.26	
4.345e+04												
		-4.360e+04	-42.26	0.02	0.0	51.0	1.54	-853.44	0.83	8.21	0.15	94.05
						102.0	1.54	-860.01	0.83	8.21	42.56	-
4.360e+04												
52	68	4.553e+04	27.83	0.24	-13.13	0.0	-0.27	901.27	-0.55	-5.81	27.83	-
4.573e+04												
		-4.573e+04	-28.12	-9.74e-03	0.0	51.0	-0.27	894.70	-0.55	-5.81	-0.14	68.54
						102.0	-0.27	888.13	-0.55	-5.81	-28.12	
4.553e+04												
52	69	4.537e+04	47.55	-0.29	-13.13	0.0	1.49	-884.37	0.93	5.45	-47.33	
4.537e+04												
		-4.551e+04	-47.33	3.30e-03	0.0	51.0	1.49	-890.94	0.93	5.45	0.11	95.21
						102.0	1.49	-897.50	0.93	5.45	47.55	-
4.551e+04												
52	70	4.362e+04	22.77	0.24	-13.13	0.0	-0.32	863.77	-0.45	-8.57	22.77	-
4.382e+04												
		-4.382e+04	-23.13	-0.03	0.0	51.0	-0.32	857.21	-0.45	-8.57	-0.18	69.70
						102.0	-0.32	850.64	-0.45	-8.57	-23.13	
4.362e+04												
52	71	4.375e+04	42.34	-0.29	-13.13	0.0	1.54	-852.81	0.83	8.29	-42.06	
4.375e+04												
		-4.390e+04	-42.06	0.02	0.0	51.0	1.54	-859.38	0.83	8.29	0.14	93.99
						102.0	1.54	-865.95	0.83	8.29	42.34	-
4.390e+04												
52	72	4.523e+04	28.04	0.24	-13.13	0.0	-0.28	895.33	-0.55	-5.73	28.04	-
4.543e+04												
		-4.543e+04	-28.34	-8.31e-03	0.0	51.0	-0.28	888.76	-0.55	-5.73	-0.15	68.48
						102.0	-0.28	882.20	-0.55	-5.73	-28.34	
4.523e+04												
52	73	4.506e+04	47.77	-0.29	-13.13	0.0	1.50	-878.43	0.93	5.37	-47.53	
4.506e+04												
		-4.521e+04	-47.53	1.87e-03	0.0	51.0	1.50	-885.00	0.93	5.37	0.12	95.27
						102.0	1.50	-891.57	0.93	5.37	47.77	-
4.521e+04												
52	74	4.392e+04	22.56	0.24	-13.13	0.0	-0.32	869.71	-0.45	-8.64	22.56	-
4.412e+04												
		-4.412e+04	-22.90	-0.03	0.0	51.0	-0.32	863.14	-0.45	-8.64	-0.17	69.76
						102.0	-0.32	856.58	-0.45	-8.64	-22.90	
4.392e+04												
52	75	7771.69	11.38	-0.10	-13.13	0.0	0.89	-147.47	0.22	4.99	-11.26	
7771.69												

		-7940.41	-11.26	0.02	0.0	51.0	0.89	-154.04	0.22	4.99	0.06	83.07
						102.0	0.89	-160.61	0.22	4.99	11.38	-
7940.41												
52	76	1.323e+04	5.73	0.03	-13.13	0.0	0.46	267.75	-0.11	2.25	5.73	-
1.341e+04												
		-1.341e+04	-5.70	0.02	0.0	51.0	0.46	261.18	-0.11	2.25	0.01	77.48
						102.0	0.46	254.62	-0.11	2.25	-5.70	
1.323e+04												
52	77	1.305e+04	25.14	-0.08	-13.13	0.0	0.76	-250.85	0.49	-2.61	-25.23	
1.305e+04												
		-1.321e+04	-25.23	-0.02	0.0	51.0	0.76	-257.42	0.49	-2.61	-0.04	86.28
						102.0	0.76	-263.98	0.49	-2.61	25.14	-
1.321e+04												
52	78	7961.28	8.06	0.05	-13.13	0.0	0.32	164.37	0.16	-5.35	-8.23	-
8134.76												
		-8134.76	-8.23	-0.03	0.0	51.0	0.32	157.80	0.16	-5.35	-0.09	80.69
						102.0	0.32	151.24	0.16	-5.35	8.06	
7961.28												
52	79	8235.69	11.60	-0.10	-13.13	0.0	0.90	-156.57	0.23	5.36	-11.45	
8235.69												
		-8403.68	-11.45	0.02	0.0	51.0	0.90	-163.13	0.23	5.36	0.07	83.43
						102.0	0.90	-169.70	0.23	5.36	11.60	-
8403.68												
52	80	1.369e+04	5.92	0.03	-13.13	0.0	0.45	276.84	-0.12	1.88	5.92	-
1.387e+04												
		-1.387e+04	-5.92	0.02	0.0	51.0	0.45	270.27	-0.12	1.88	-3.44e-05	77.11
						102.0	0.45	263.71	-0.12	1.88	-5.92	
1.369e+04												
52	81	1.351e+04	25.36	-0.08	-13.13	0.0	0.77	-259.94	0.50	-2.24	-25.42	
1.351e+04												
		-1.367e+04	-25.42	-0.02	0.0	51.0	0.77	-266.51	0.50	-2.24	-0.03	86.64
						102.0	0.77	-273.07	0.50	-2.24	25.36	-
1.367e+04												
52	82	8424.55	7.84	0.05	-13.13	0.0	0.32	173.46	0.16	-5.72	-8.04	-
8598.76												
		-8598.76	-8.04	-0.03	0.0	51.0	0.32	166.90	0.16	-5.72	-0.10	80.32
						102.0	0.32	160.33	0.16	-5.72	7.84	
8424.55												
52	83	8604.41	10.77	-0.09	-13.13	0.0	0.88	-163.81	0.21	5.20	-10.69	
8604.41												
		-8773.45	-10.69	0.03	0.0	51.0	0.88	-170.37	0.21	5.20	0.04	82.91
						102.0	0.88	-176.94	0.21	5.20	10.77	-
8773.45												
52	84	1.240e+04	6.30	0.03	-13.13	0.0	0.45	251.42	-0.12	2.47	6.30	-
1.258e+04												
		-1.258e+04	-6.31	0.02	0.0	51.0	0.45	244.85	-0.12	2.47	-6.90e-03	77.32
						102.0	0.45	238.29	-0.12	2.47	-6.31	
1.240e+04												
52	85	1.221e+04	25.75	-0.08	-13.13	0.0	0.77	-234.52	0.51	-2.83	-25.79	
1.221e+04												
		-1.238e+04	-25.79	-0.03	0.0	51.0	0.77	-241.09	0.51	-2.83	-0.02	86.44
						102.0	0.77	-247.65	0.51	-2.83	25.75	-
1.238e+04												
52	86	8794.32	8.67	0.05	-13.13	0.0	0.34	180.70	0.17	-5.56	-8.80	-
8967.48												
		-8967.48	-8.80	-0.03	0.0	51.0	0.34	174.14	0.17	-5.56	-0.07	80.85
						102.0	0.34	167.57	0.17	-5.56	8.67	
8794.32												
52	87	9068.41	10.99	-0.10	-13.13	0.0	0.89	-172.90	0.21	5.57	-10.89	
9068.41												
		-9236.72	-10.89	0.03	0.0	51.0	0.89	-179.46	0.21	5.57	0.05	83.27
						102.0	0.89	-186.03	0.21	5.57	10.99	-
9236.72												
52	88	1.286e+04	6.49	0.03	-13.13	0.0	0.44	260.51	-0.13	2.10	6.49	-
1.304e+04												
		-1.304e+04	-6.53	0.02	0.0	51.0	0.44	253.94	-0.13	2.10	-0.02	76.95
						102.0	0.44	247.38	-0.13	2.10	-6.53	
1.286e+04												
52	89	1.268e+04	25.97	-0.08	-13.13	0.0	0.78	-243.61	0.51	-2.46	-25.99	
1.268e+04												
		-1.284e+04	-25.99	-0.03	0.0	51.0	0.78	-250.18	0.51	-2.46	-8.77e-03	86.80
						102.0	0.78	-256.74	0.51	-2.46	25.97	-

1.284e+04												
52	90	9257.58	8.45	0.05	-13.13	0.0	0.33	189.79	0.17	-5.93	-8.61	-
9431.48												
		-9431.48	-8.61	-0.03	0.0	51.0	0.33	183.23	0.17	-5.93	-0.08	80.48
						102.0	0.33	176.66	0.17	-5.93	8.45	
9257.58												
52	91	3.433e+04	36.13	-0.24	-13.13	0.0	1.35	-668.08	0.71	5.52	-35.97	
3.433e+04												
		-3.448e+04	-35.97	0.02	0.0	51.0	1.35	-674.65	0.71	5.52	0.08	90.71
						102.0	1.35	-681.21	0.71	5.52	36.13	-
3.448e+04												
52	92	3.609e+04	20.67	0.18	-13.13	0.0	-0.09	715.99	-0.41	-3.60	20.67	-
3.628e+04												
		-3.628e+04	-20.82	-0.01	0.0	51.0	-0.09	709.43	-0.41	-3.60	-0.07	72.08
						102.0	-0.09	702.86	-0.41	-3.60	-20.82	
3.609e+04												
52	93	3.591e+04	40.25	-0.23	-13.13	0.0	1.31	-699.10	0.79	3.24	-40.16	
3.591e+04												
		-3.606e+04	-40.16	3.78e-03	0.0	51.0	1.31	-705.66	0.79	3.24	0.05	91.68
						102.0	1.31	-712.23	0.79	3.24	40.25	-
3.606e+04												
52	94	3.450e+04	16.48	0.19	-13.13	0.0	-0.13	684.98	-0.33	-5.88	16.48	-
3.469e+04												
		-3.469e+04	-16.69	-0.02	0.0	51.0	-0.13	678.41	-0.33	-5.88	-0.11	73.04
						102.0	-0.13	671.85	-0.33	-5.88	-16.69	
3.450e+04												
52	95	3.458e+04	35.94	-0.24	-13.13	0.0	1.35	-672.98	0.70	5.59	-35.80	
3.458e+04												
		-3.473e+04	-35.80	0.02	0.0	51.0	1.35	-679.55	0.70	5.59	0.07	90.67
						102.0	1.35	-686.11	0.70	5.59	35.94	-
3.473e+04												
52	96	3.584e+04	20.84	0.19	-13.13	0.0	-0.09	711.09	-0.41	-3.54	20.84	-
3.603e+04												
		-3.603e+04	-21.00	-9.03e-03	0.0	51.0	-0.09	704.53	-0.41	-3.54	-0.08	72.03
						102.0	-0.09	697.96	-0.41	-3.54	-21.00	
3.584e+04												
52	97	3.566e+04	40.44	-0.23	-13.13	0.0	1.31	-694.20	0.79	3.18	-40.33	
3.566e+04												
		-3.581e+04	-40.33	2.59e-03	0.0	51.0	1.31	-700.76	0.79	3.18	0.05	91.72
						102.0	1.31	-707.33	0.79	3.18	40.44	-
3.581e+04												
52	98	3.475e+04	16.31	0.19	-13.13	0.0	-0.13	689.88	-0.32	-5.95	16.31	-
3.494e+04												
		-3.494e+04	-16.51	-0.02	0.0	51.0	-0.13	683.31	-0.32	-5.95	-0.10	73.09
						102.0	-0.13	676.75	-0.32	-5.95	-16.51	
3.475e+04												
52	99	3.588e+04	36.86	-0.25	-13.13	0.0	1.38	-698.39	0.72	6.75	-36.62	
3.588e+04												
		-3.603e+04	-36.62	0.02	0.0	51.0	1.38	-704.95	0.72	6.75	0.12	91.94
						102.0	1.38	-711.52	0.72	6.75	36.86	-
3.603e+04												
52	100	3.763e+04	21.31	0.19	-13.13	0.0	-0.12	746.29	-0.42	-4.83	21.31	-
3.782e+04												
		-3.782e+04	-21.55	-8.64e-03	0.0	51.0	-0.12	739.73	-0.42	-4.83	-0.12	70.85
						102.0	-0.12	733.16	-0.42	-4.83	-21.55	
3.763e+04												
52	101	3.746e+04	40.99	-0.24	-13.13	0.0	1.34	-729.40	0.80	4.47	-40.81	
3.746e+04												
		-3.761e+04	-40.81	2.20e-03	0.0	51.0	1.34	-735.96	0.80	4.47	0.09	92.90
						102.0	1.34	-742.53	0.80	4.47	40.99	-
3.761e+04												
52	102	3.605e+04	17.12	0.20	-13.13	0.0	-0.16	715.28	-0.34	-7.11	17.12	-
3.624e+04												
		-3.624e+04	-17.42	-0.02	0.0	51.0	-0.16	708.72	-0.34	-7.11	-0.15	71.82
						102.0	-0.16	702.15	-0.34	-7.11	-17.42	
3.605e+04												
52	103	3.613e+04	36.68	-0.25	-13.13	0.0	1.38	-703.28	0.72	6.82	-36.45	
3.613e+04												
		-3.628e+04	-36.45	0.02	0.0	51.0	1.38	-709.85	0.72	6.82	0.12	91.89
						102.0	1.38	-716.42	0.72	6.82	36.68	-
3.628e+04												
52	104	3.738e+04	21.48	0.19	-13.13	0.0	-0.12	741.39	-0.42	-4.77	21.48	-

3.757e+04												
		-3.757e+04	-21.73	-7.45e-03	0.0	51.0	-0.12	734.83	-0.42	-4.77	-0.13	70.80
						102.0	-0.12	728.26	-0.42	-4.77	-21.73	
3.738e+04												
52	105	3.721e+04	41.17	-0.24	-13.13	0.0	1.34	-724.50	0.81	4.41	-40.98	
3.721e+04												
		-3.736e+04	-40.98	1.02e-03	0.0	51.0	1.34	-731.06	0.81	4.41	0.10	92.95
						102.0	1.34	-737.63	0.81	4.41	41.17	-
3.736e+04												
52	106	3.630e+04	16.95	0.20	-13.13	0.0	-0.16	720.18	-0.34	-7.18	16.95	-
3.649e+04												
		-3.649e+04	-17.24	-0.02	0.0	51.0	-0.16	713.61	-0.34	-7.18	-0.14	71.86
						102.0	-0.16	707.05	-0.34	-7.18	-17.24	
3.630e+04												
53	1	3651.07	-0.09	0.01	-157.41	0.0	3.74	106.88	-1.78e-03	3.62	-0.09	-
5019.64												
		-5019.64	-0.54	0.01	0.0	125.8	3.74	24.11	-1.78e-03	3.62	-0.32	
3218.20												
						251.6	3.74	-50.53	-1.78e-03	3.62	-0.54	
1163.93												
53	2	2.294e+04	-1.36	-0.06	-1036.18	0.0	-7.53	699.71	-9.81e-04	11.54	-1.36	-
3.166e+04												
		-3.166e+04	-1.61	0.01	0.0	125.8	-7.53	135.84	-9.81e-04	11.54	-1.48	
2.089e+04												
						251.6	-7.53	-336.47	-9.81e-04	11.54	-1.61	
3844.26												
53	3	2444.44	-0.05	9.53e-03	-104.50	0.0	3.09	71.03	-1.38e-03	2.63	-0.05	-
3358.54												
		-3358.54	-0.40	9.36e-03	0.0	125.8	3.09	16.44	-1.38e-03	2.63	-0.22	
2142.08												
						251.6	3.09	-33.48	-1.38e-03	2.63	-0.40	844.75
53	4	2.174e+04	-1.32	-0.05	-983.27	0.0	-8.18	663.86	-5.85e-04	10.55	-1.32	-
3.000e+04												
		-3.000e+04	-1.46	8.14e-03	0.0	125.8	-8.18	128.17	-5.85e-04	10.55	-1.39	
1.981e+04												
						251.6	-8.18	-319.42	-5.85e-04	10.55	-1.46	
3525.07												
53	5	2650.22	-0.06	9.17e-03	-113.88	0.0	2.97	77.35	-1.38e-03	2.72	-0.06	-
3642.69												
		-3642.69	-0.41	9.35e-03	0.0	125.8	2.97	17.63	-1.38e-03	2.72	-0.23	
2330.56												
						251.6	2.97	-36.53	-1.38e-03	2.72	-0.41	873.34
53	6	1.551e+04	-0.91	-0.04	-699.72	0.0	-4.54	472.57	-8.43e-04	8.00	-0.91	-
2.140e+04												
		-2.140e+04	-1.12	8.53e-03	0.0	125.8	-4.54	92.12	-8.43e-04	8.00	-1.01	
1.411e+04												
						251.6	-4.54	-227.15	-8.43e-04	8.00	-1.12	
2660.22												
53	7	2650.22	-0.06	9.17e-03	-113.88	0.0	2.97	77.35	-1.38e-03	2.72	-0.06	-
3642.69												
		-3642.69	-0.41	9.35e-03	0.0	125.8	2.97	17.63	-1.38e-03	2.72	-0.23	
2330.56												
						251.6	2.97	-36.53	-1.38e-03	2.72	-0.41	873.34
53	8	1.165e+04	-0.65	-0.03	-523.97	0.0	-2.29	354.00	-1.00e-03	6.42	-0.65	-
1.607e+04												
		-1.607e+04	-0.90	8.77e-03	0.0	125.8	-2.29	69.77	-1.00e-03	6.42	-0.78	
1.058e+04												
						251.6	-2.29	-169.96	-1.00e-03	6.42	-0.90	
2124.16												
53	9	2650.22	-0.06	9.17e-03	-113.88	0.0	2.97	77.35	-1.38e-03	2.72	-0.06	-
3642.69												
		-3642.69	-0.41	9.35e-03	0.0	125.8	2.97	17.63	-1.38e-03	2.72	-0.23	
2330.56												
						251.6	2.97	-36.53	-1.38e-03	2.72	-0.41	873.34
53	10	1.037e+04	-0.57	-0.02	-465.38	0.0	-1.54	314.48	-1.06e-03	5.89	-0.57	-
1.430e+04												
		-1.430e+04	-0.83	8.86e-03	0.0	125.8	-1.54	62.32	-1.06e-03	5.89	-0.70	
9398.55												
						251.6	-1.54	-150.90	-1.06e-03	5.89	-0.83	
1945.47												
53	11	1.109e+04	0.74	0.09	-465.38	0.0	92.16	396.54	-0.02	27.92	0.74	-
2.795e+04												

		-2.795e+04	-6.72	0.55	0.0	125.8	92.16	144.38	-0.02	27.92	-2.99	
5984.33												
						251.6	92.16	-68.85	-0.02	27.92	-6.72	
8772.18												
	53	12 1.833e+04	-0.23	-0.09	-465.38	0.0	124.97	155.78	-0.03	12.97	-0.23	
1.233e+04												
		-1.151e+04	-9.08	0.43	0.0	125.8	124.97	-96.38	-0.03	12.97	-4.66	
1.599e+04												
						251.6	124.97	-309.61	-0.03	12.97	-9.08	-
1.151e+04												
	53	13 1.540e+04	7.41	0.09	-465.38	0.0	-128.04	473.19	0.03	-1.19	-0.90	-
4.093e+04												
		-4.093e+04	-0.90	-0.42	0.0	125.8	-128.04	221.03	0.03	-1.19	3.26	
2810.38												
						251.6	-128.04	7.81	0.03	-1.19	7.41	
1.540e+04												
	53	14 1.287e+04	5.06	-0.10	-465.38	0.0	-95.23	232.43	0.02	-16.14	-1.88	-
643.06												
		-4881.25	-1.88	-0.53	0.0	125.8	-95.23	-19.73	0.02	-16.14	1.59	
1.281e+04												
						251.6	-95.23	-232.96	0.02	-16.14	5.06	-
4881.25												
	53	15 1.125e+04	0.72	0.10	-465.38	0.0	89.12	402.10	-0.03	29.43	0.72	-
2.893e+04												
		-2.893e+04	-6.43	0.64	0.0	125.8	89.12	149.94	-0.03	29.43	-2.86	
5709.74												
						251.6	89.12	-63.29	-0.03	29.43	-6.43	
9196.91												
	53	16 1.887e+04	-0.21	-0.10	-465.38	0.0	128.00	150.22	-0.02	11.45	-0.21	
1.331e+04												
		-1.193e+04	-9.37	0.35	0.0	125.8	128.00	-101.94	-0.02	11.45	-4.79	
1.626e+04												
						251.6	128.00	-315.17	-0.02	11.45	-9.37	-
1.193e+04												
	53	17 1.582e+04	7.70	0.09	-465.38	0.0	-131.08	478.75	0.02	0.33	-0.92	-
4.190e+04												
		-4.190e+04	-0.92	-0.33	0.0	125.8	-131.08	226.59	0.02	0.33	3.39	
2535.79												
						251.6	-131.08	13.36	0.02	0.33	7.70	
1.582e+04												
	53	18 1.323e+04	4.77	-0.11	-465.38	0.0	-92.19	226.87	0.03	-17.66	-1.85	330.85
		-5305.97	-1.85	-0.62	0.0	125.8	-92.19	-25.29	0.03	-17.66	1.46	
1.309e+04												
						251.6	-92.19	-238.52	0.03	-17.66	4.77	-
5305.97												
	53	19 1.133e+04	-2.33	0.09	-465.38	0.0	108.75	404.64	-0.03	28.67	-2.33	-
2.933e+04												
		-2.933e+04	-9.60	0.28	0.0	125.8	108.75	152.48	-0.03	28.67	-5.97	
5601.66												
						251.6	108.75	-60.75	-0.03	28.67	-9.60	
9379.40												
	53	20 1.758e+04	-3.30	-0.10	-465.38	0.0	141.55	163.88	-0.04	13.72	-3.30	
1.096e+04												
		-1.090e+04	-11.96	0.17	0.0	125.8	141.55	-88.28	-0.04	13.72	-7.63	
1.560e+04												
						251.6	141.55	-301.51	-0.04	13.72	-11.96	-
1.090e+04												
	53	21 1.479e+04	10.29	0.09	-465.38	0.0	-144.62	465.09	0.03	-1.95	2.17	-
3.956e+04												
		-3.956e+04	2.17	-0.15	0.0	125.8	-144.62	212.93	0.03	-1.95	6.23	
3193.05												
						251.6	-144.62	-0.30	0.03	-1.95	10.29	
1.479e+04												
	53	22 1.337e+04	7.93	-0.10	-465.38	0.0	-111.82	224.33	0.03	-16.90	1.19	729.49
		-5488.46	1.19	-0.26	0.0	125.8	-111.82	-27.83	0.03	-16.90	4.56	
1.320e+04												
						251.6	-111.82	-241.06	0.03	-16.90	7.93	-
5488.46												
	53	23 1.149e+04	-2.35	0.09	-465.38	0.0	105.71	410.20	-0.04	30.19	-2.35	-
3.030e+04												
		-3.030e+04	-9.31	0.37	0.0	125.8	105.71	158.04	-0.04	30.19	-5.83	
5327.07												

						251.6	105.71	-55.19	-0.04	30.19	-9.31	
9804.12												
53	24	1.812e+04	-3.28	-0.10	-465.38	0.0	144.59	158.32	-0.03	12.21	-3.28	
1.193e+04												
		-1.133e+04	-12.25	0.08	0.0	125.8	144.59	-93.84	-0.03	12.21	-7.77	
1.588e+04												
						251.6	144.59	-307.07	-0.03	12.21	-12.25	-
1.133e+04												
53	25	1.522e+04	10.58	0.09	-465.38	0.0	-147.66	470.65	0.02	-0.43	2.15	-
4.053e+04												
		-4.053e+04	2.15	-0.06	0.0	125.8	-147.66	218.49	0.02	-0.43	6.36	
2918.46												
						251.6	-147.66	5.26	0.02	-0.43	10.58	
1.522e+04												
53	26	1.373e+04	7.64	-0.10	-465.38	0.0	-108.78	218.77	0.03	-18.42	1.22	
1703.40												
		-5913.19	1.22	-0.35	0.0	125.8	-108.78	-33.39	0.03	-18.42	4.43	
1.347e+04												
						251.6	-108.78	-246.62	0.03	-18.42	7.64	-
5913.19												
53	27	3.475e+04	1.30	0.31	-465.38	0.0	-23.19	704.26	2.42e-03	35.17	1.30	-
7.950e+04												
		-7.950e+04	0.98	0.34	0.0	125.8	-23.19	452.10	2.42e-03	35.17	1.14	-
6795.99												
						251.6	-23.19	238.87	2.42e-03	35.17	0.98	
3.475e+04												
53	28	5.479e+04	-1.94	-0.32	-465.38	0.0	86.18	-98.29	-0.02	-14.66	-1.94	
5.479e+04												
		-3.285e+04	-6.88	-0.04	0.0	125.8	86.18	-350.45	-0.02	-14.66	-4.41	
2.655e+04												
						251.6	86.18	-563.67	-0.02	-14.66	-6.88	-
3.285e+04												
53	29	3.674e+04	5.22	0.31	-465.38	0.0	-89.25	727.25	0.02	26.44	0.81	-
8.339e+04												
		-8.339e+04	0.81	0.06	0.0	125.8	-89.25	475.09	0.02	26.44	3.01	-
7748.18												
						251.6	-89.25	261.87	0.02	26.44	5.22	
3.674e+04												
53	30	5.090e+04	-2.44	-0.32	-465.38	0.0	20.12	-75.29	-4.53e-03	-23.39	-2.44	
5.090e+04												
		-3.086e+04	-2.64	-0.33	0.0	125.8	20.12	-327.45	-4.53e-03	-23.39	-2.54	
2.559e+04												
						251.6	20.12	-540.68	-4.53e-03	-23.39	-2.64	-
3.086e+04												
53	31	3.494e+04	0.38	0.31	-465.38	0.0	-18.21	706.69	1.30e-03	35.40	0.38	-
7.991e+04												
		-7.991e+04	0.11	0.27	0.0	125.8	-18.21	454.53	1.30e-03	35.40	0.25	-
6910.79												
						251.6	-18.21	241.30	1.30e-03	35.40	0.11	
3.494e+04												
53	32	5.438e+04	-2.87	-0.32	-465.38	0.0	91.15	-95.86	-0.02	-14.43	-2.87	
5.438e+04												
		-3.267e+04	-7.75	-0.12	0.0	125.8	91.15	-348.02	-0.02	-14.43	-5.31	
2.643e+04												
						251.6	91.15	-561.24	-0.02	-14.43	-7.75	-
3.267e+04												
53	33	3.656e+04	6.08	0.31	-465.38	0.0	-94.22	724.82	0.02	26.21	1.73	-
8.298e+04												
		-8.298e+04	1.73	0.14	0.0	125.8	-94.22	472.66	0.02	26.21	3.90	-
7633.38												
						251.6	-94.22	259.44	0.02	26.21	6.08	
3.656e+04												
53	34	5.131e+04	-1.52	-0.32	-465.38	0.0	15.14	-77.72	-3.41e-03	-23.62	-1.52	
5.131e+04												
		-3.104e+04	-1.78	-0.25	0.0	125.8	15.14	-329.88	-3.41e-03	-23.62	-1.65	
2.571e+04												
						251.6	15.14	-543.11	-3.41e-03	-23.62	-1.78	-
3.104e+04												
53	35	3.617e+04	1.94	0.32	-465.38	0.0	-33.31	722.79	-0.03	40.23	1.23	-
8.274e+04												
		-8.274e+04	1.23	0.64	0.0	125.8	-33.31	470.63	-0.03	40.23	1.59	-
7711.30												

						251.6	-33.31	257.40	-0.03	40.23	1.94	
3.617e+04												
53	36	5.804e+04	-1.87	-0.33	-465.38	0.0	96.30	-116.82	7.75e-03	-19.72	-1.87	
5.804e+04												
		-3.427e+04	-7.85	-0.33	0.0	125.8	96.30	-368.98	7.75e-03	-19.72	-4.86	
2.746e+04												
						251.6	96.30	-582.20	7.75e-03	-19.72	-7.85	-
3.427e+04												
53	37	3.816e+04	6.18	0.32	-465.38	0.0	-99.37	745.78	-9.87e-03	31.50	0.74	-
8.663e+04												
		-8.663e+04	0.74	0.35	0.0	125.8	-99.37	493.62	-9.87e-03	31.50	3.46	-
8663.49												
						251.6	-99.37	280.40	-9.87e-03	31.50	6.18	
3.816e+04												
53	38	5.415e+04	-2.37	-0.33	-465.38	0.0	30.24	-93.82	0.02	-28.46	-2.37	
5.415e+04												
		-3.228e+04	-3.61	-0.62	0.0	125.8	30.24	-345.98	0.02	-28.46	-2.99	
2.651e+04												
						251.6	30.24	-559.21	0.02	-28.46	-3.61	-
3.228e+04												
53	39	3.635e+04	1.08	0.32	-465.38	0.0	-28.33	725.22	-0.03	40.46	0.31	-
8.315e+04												
		-8.315e+04	0.31	0.56	0.0	125.8	-28.33	473.06	-0.03	40.46	0.69	-
7826.10												
						251.6	-28.33	259.83	-0.03	40.46	1.08	
3.635e+04												
53	40	5.763e+04	-2.80	-0.33	-465.38	0.0	101.27	-114.39	6.64e-03	-19.50	-2.80	
5.763e+04												
		-3.408e+04	-8.71	-0.41	0.0	125.8	101.27	-366.55	6.64e-03	-19.50	-5.75	
2.735e+04												
						251.6	101.27	-579.77	6.64e-03	-19.50	-8.71	-
3.408e+04												
53	41	3.798e+04	7.04	0.32	-465.38	0.0	-104.34	743.35	-8.75e-03	31.27	1.66	-
8.622e+04												
		-8.622e+04	1.66	0.43	0.0	125.8	-104.34	491.19	-8.75e-03	31.27	4.35	-
8548.69												
						251.6	-104.34	277.97	-8.75e-03	31.27	7.04	
3.798e+04												
53	42	5.456e+04	-1.45	-0.33	-465.38	0.0	25.26	-96.25	0.03	-28.68	-1.45	
5.456e+04												
		-3.246e+04	-2.74	-0.54	0.0	125.8	25.26	-348.41	0.03	-28.68	-2.10	
2.662e+04												
						251.6	25.26	-561.64	0.03	-28.68	-2.74	-
3.246e+04												
53	43	1.075e+04	0.43	0.07	-465.38	0.0	72.46	379.96	-0.02	23.32	0.43	-
2.517e+04												
		-2.517e+04	-5.51	0.44	0.0	125.8	72.46	127.80	-0.02	23.32	-2.54	
6705.49												
						251.6	72.46	-85.42	-0.02	23.32	-5.51	
7433.29												
53	44	1.564e+04	-0.31	-0.08	-465.38	0.0	97.91	189.12	-0.03	11.47	-0.31	
6759.89												
		-8641.83	-7.31	0.34	0.0	125.8	97.91	-63.04	-0.03	11.47	-3.81	
1.463e+04												
						251.6	97.91	-276.26	-0.03	11.47	-7.31	-
8641.83												
53	45	1.300e+04	5.65	0.07	-465.38	0.0	-100.98	439.84	0.02	0.30	-0.82	-
3.536e+04												
		-3.536e+04	-0.82	-0.33	0.0	125.8	-100.98	187.68	0.02	0.30	2.41	
4163.15												
						251.6	-100.98	-25.54	0.02	0.30	5.65	
1.253e+04												
53	46	1.209e+04	3.84	-0.08	-465.38	0.0	-75.53	249.01	0.02	-11.54	-1.57	-
3424.27												
		-3542.36	-1.57	-0.42	0.0	125.8	-75.53	-3.15	0.02	-11.54	1.14	
1.209e+04												
						251.6	-75.53	-216.38	0.02	-11.54	3.84	-
3542.36												
53	47	1.081e+04	0.41	0.08	-465.38	0.0	70.15	384.36	-0.03	24.52	0.41	-
2.594e+04												
		-2.594e+04	-5.28	0.51	0.0	125.8	70.15	132.20	-0.03	24.52	-2.44	
6487.77												

						251.6	70.15	-81.02	-0.03	24.52	-5.28	
7769.76												
53	48	1.600e+04	-0.29	-0.08	-465.38	0.0	100.22	184.72	-0.02	10.27	-0.29	
7531.79												
		-8978.29	-7.54	0.28	0.0	125.8	100.22	-67.44	-0.02	10.27	-3.91	
1.485e+04												
						251.6	100.22	-280.67	-0.02	10.27	-7.54	-
8978.29												
53	49	1.320e+04	5.87	0.07	-465.38	0.0	-103.29	444.25	0.02	1.51	-0.85	-
3.613e+04												
		-3.613e+04	-0.85	-0.26	0.0	125.8	-103.29	192.09	0.02	1.51	2.51	
3945.43												
						251.6	-103.29	-21.14	0.02	1.51	5.87	
1.287e+04												
53	50	1.231e+04	3.61	-0.09	-465.38	0.0	-73.22	244.60	0.02	-12.75	-1.55	-
2652.37												
		-3878.82	-1.55	-0.49	0.0	125.8	-73.22	-7.56	0.02	-12.75	1.03	
1.231e+04												
						251.6	-73.22	-220.78	0.02	-12.75	3.61	-
3878.82												
53	51	1.085e+04	-1.96	0.07	-465.38	0.0	85.48	386.55	-0.02	23.92	-1.96	-
2.628e+04												
		-2.628e+04	-7.79	0.23	0.0	125.8	85.48	134.39	-0.02	23.92	-4.88	
6398.48												
						251.6	85.48	-78.84	-0.02	23.92	-7.79	
7931.92												
53	52	1.513e+04	-2.70	-0.08	-465.38	0.0	110.94	195.71	-0.03	12.07	-2.70	
5647.23												
		-8143.20	-9.60	0.14	0.0	125.8	110.94	-56.45	-0.03	12.07	-6.15	
1.433e+04												
						251.6	110.94	-269.67	-0.03	12.07	-9.60	-
8143.20												
53	53	1.270e+04	7.93	0.07	-465.38	0.0	-114.01	433.25	0.03	-0.30	1.57	-
3.424e+04												
		-3.424e+04	1.57	-0.12	0.0	125.8	-114.01	181.09	0.03	-0.30	4.75	
4470.17												
						251.6	-114.01	-32.13	0.03	-0.30	7.93	
1.203e+04												
53	54	1.240e+04	6.12	-0.08	-465.38	0.0	-88.55	242.42	0.02	-12.14	0.82	-
2311.61												
		-4040.98	0.82	-0.21	0.0	125.8	-88.55	-9.74	0.02	-12.14	3.47	
1.240e+04												
						251.6	-88.55	-222.97	0.02	-12.14	6.12	-
4040.98												
53	55	1.091e+04	-1.98	0.07	-465.38	0.0	83.17	390.95	-0.03	25.12	-1.98	-
2.706e+04												
		-2.706e+04	-7.57	0.30	0.0	125.8	83.17	138.79	-0.03	25.12	-4.77	
6180.76												
						251.6	83.17	-74.43	-0.03	25.12	-7.57	
8268.38												
53	56	1.549e+04	-2.68	-0.08	-465.38	0.0	113.25	191.31	-0.02	10.87	-2.68	
6419.13												
		-8479.67	-9.82	0.07	0.0	125.8	113.25	-60.85	-0.02	10.87	-6.25	
1.454e+04												
						251.6	113.25	-274.08	-0.02	10.87	-9.82	-
8479.67												
53	57	1.290e+04	8.16	0.07	-465.38	0.0	-116.32	437.66	0.02	0.91	1.55	-
3.502e+04												
		-3.502e+04	1.55	-0.05	0.0	125.8	-116.32	185.50	0.02	0.91	4.85	
4252.45												
						251.6	-116.32	-27.73	0.02	0.91	8.16	
1.237e+04												
53	58	1.262e+04	5.90	-0.08	-465.38	0.0	-86.24	238.01	0.03	-13.35	0.85	-
1539.71												
		-4377.44	0.85	-0.28	0.0	125.8	-86.24	-14.15	0.03	-13.35	3.37	
1.262e+04												
						251.6	-86.24	-227.37	0.03	-13.35	5.90	-
4377.44												
53	59	2.797e+04	0.86	0.25	-465.38	0.0	-17.94	623.56	1.53e-03	29.08	0.86	-
6.599e+04												
		-6.599e+04	0.50	0.28	0.0	125.8	-17.94	371.40	1.53e-03	29.08	0.68	-
3434.19												

						251.6	-17.94	158.18	1.53e-03	29.08	0.50	
2.797e+04												
53	60	4.045e+04	-1.62	-0.25	-465.38	0.0	66.91	-12.56	-0.02	-10.40	-1.62	
4.045e+04												
		-2.561e+04	-5.52	-0.03	0.0	125.8	66.91	-264.72	-0.02	-10.40	-3.57	
2.299e+04												
						251.6	66.91	-477.94	-0.02	-10.40	-5.52	-
2.561e+04												
53	61	2.950e+04	3.85	0.24	-465.38	0.0	-69.98	641.52	0.01	22.18	0.48	-
6.905e+04												
		-6.905e+04	0.48	0.05	0.0	125.8	-69.98	389.36	0.01	22.18	2.17	-
4196.89												
						251.6	-69.98	176.14	0.01	22.18	3.85	
2.950e+04												
53	62	3.739e+04	-2.00	-0.26	-465.38	0.0	14.87	5.40	-3.64e-03	-17.31	-2.00	
3.739e+04												
		-2.408e+04	-2.17	-0.26	0.0	125.8	14.87	-246.76	-3.64e-03	-17.31	-2.08	
2.223e+04												
						251.6	14.87	-459.98	-3.64e-03	-17.31	-2.17	-
2.408e+04												
53	63	2.812e+04	0.14	0.25	-465.38	0.0	-14.04	625.54	6.34e-04	29.26	0.14	-
6.632e+04												
		-6.632e+04	-0.18	0.21	0.0	125.8	-14.04	373.38	6.34e-04	29.26	-0.02	-
3526.30												
						251.6	-14.04	160.15	6.34e-04	29.26	-0.18	
2.812e+04												
53	64	4.012e+04	-2.34	-0.25	-465.38	0.0	70.81	-10.58	-0.02	-10.22	-2.34	
4.012e+04												
		-2.546e+04	-6.20	-0.09	0.0	125.8	70.81	-262.74	-0.02	-10.22	-4.27	
2.290e+04												
						251.6	70.81	-475.97	-0.02	-10.22	-6.20	-
2.546e+04												
53	65	2.935e+04	4.54	0.24	-465.38	0.0	-73.88	639.55	0.02	22.00	1.20	-
6.871e+04												
		-6.871e+04	1.20	0.11	0.0	125.8	-73.88	387.39	0.02	22.00	2.87	-
4104.79												
						251.6	-73.88	174.16	0.02	22.00	4.54	
2.935e+04												
53	66	3.773e+04	-1.28	-0.25	-465.38	0.0	10.97	3.43	-2.75e-03	-17.49	-1.28	
3.773e+04												
		-2.423e+04	-1.49	-0.19	0.0	125.8	10.97	-248.73	-2.75e-03	-17.49	-1.38	
2.232e+04												
						251.6	10.97	-461.96	-2.75e-03	-17.49	-1.49	-
2.423e+04												
53	67	2.909e+04	1.26	0.25	-465.38	0.0	-25.65	638.25	-0.02	33.10	0.79	-
6.856e+04												
		-6.856e+04	0.79	0.51	0.0	125.8	-25.65	386.09	-0.02	33.10	1.02	-
4159.92												
						251.6	-25.65	172.86	-0.02	33.10	1.26	
2.909e+04												
53	68	4.302e+04	-1.55	-0.26	-465.38	0.0	74.61	-27.25	5.75e-03	-14.42	-1.55	
4.302e+04												
		-2.673e+04	-6.27	-0.26	0.0	125.8	74.61	-279.41	5.75e-03	-14.42	-3.91	
2.372e+04												
						251.6	74.61	-492.63	5.75e-03	-14.42	-6.27	-
2.673e+04												
53	69	3.062e+04	4.60	0.25	-465.38	0.0	-77.68	656.21	-7.87e-03	26.19	0.41	-
7.162e+04												
		-7.162e+04	0.41	0.28	0.0	125.8	-77.68	404.05	-7.87e-03	26.19	2.51	-
4922.63												
						251.6	-77.68	190.83	-7.87e-03	26.19	4.60	
3.062e+04												
53	70	3.997e+04	-1.92	-0.26	-465.38	0.0	22.58	-9.28	0.02	-21.32	-1.92	
3.997e+04												
		-2.520e+04	-2.92	-0.49	0.0	125.8	22.58	-261.44	0.02	-21.32	-2.42	
2.296e+04												
						251.6	22.58	-474.66	0.02	-21.32	-2.92	-
2.520e+04												
53	71	2.924e+04	0.57	0.25	-465.38	0.0	-21.74	640.22	-0.02	33.28	0.07	-
6.890e+04												
		-6.890e+04	0.07	0.44	0.0	125.8	-21.74	388.06	-0.02	33.28	0.32	-
4252.03												

					251.6	-21.74	174.84	-0.02	33.28	0.57	
2.924e+04											
53	72 4.269e+04	-2.26	-0.26	-465.38	0.0	78.52	-25.27	4.86e-03	-14.24	-2.26	
4.269e+04											
	-2.658e+04	-6.95	-0.32	0.0	125.8	78.52	-277.43	4.86e-03	-14.24	-4.61	
2.363e+04											
					251.6	78.52	-490.65	4.86e-03	-14.24	-6.95	-
2.658e+04											
53	73 3.047e+04	5.29	0.25	-465.38	0.0	-81.59	654.23	-6.97e-03	26.01	1.13	-
7.129e+04											
	-7.129e+04	1.13	0.34	0.0	125.8	-81.59	402.07	-6.97e-03	26.01	3.21	-
4830.52											
					251.6	-81.59	188.85	-6.97e-03	26.01	5.29	
3.047e+04											
53	74 4.030e+04	-1.21	-0.26	-465.38	0.0	18.67	-11.26	0.02	-21.50	-1.21	
4.030e+04											
	-2.535e+04	-2.24	-0.43	0.0	125.8	18.67	-263.42	0.02	-21.50	-1.72	
2.305e+04											
					251.6	18.67	-476.64	0.02	-21.50	-2.24	-
2.535e+04											
53	75 1.051e+04	0.26	0.06	-465.38	0.0	59.73	368.53	-0.02	20.30	0.26	-
2.327e+04											
	-2.327e+04	-4.70	0.36	0.0	125.8	59.73	116.37	-0.02	20.30	-2.22	
7175.66											
					251.6	59.73	-96.85	-0.02	20.30	-4.70	
6475.28											
53	76 1.414e+04	-0.35	-0.07	-465.38	0.0	80.81	210.82	-0.02	10.51	-0.35	
3115.14											
	-6809.36	-6.20	0.29	0.0	125.8	80.81	-41.34	-0.02	10.51	-3.28	
1.373e+04											
					251.6	80.81	-254.56	-0.02	10.51	-6.20	-
6809.36											
53	77 1.197e+04	4.53	0.05	-465.38	0.0	-83.88	418.14	0.02	1.27	-0.78	-
3.171e+04											
	-3.171e+04	-0.78	-0.27	0.0	125.8	-83.88	165.98	0.02	1.27	1.87	
5069.29											
					251.6	-83.88	-47.24	0.02	1.27	4.53	
1.070e+04											
53	78 1.162e+04	3.03	-0.07	-465.38	0.0	-62.80	260.43	0.01	-8.52	-1.40	-
5322.62											
	-5322.62	-1.40	-0.34	0.0	125.8	-62.80	8.27	0.01	-8.52	0.82	
1.162e+04											
					251.6	-62.80	-204.95	0.01	-8.52	3.03	-
2584.35											
53	79 1.056e+04	0.24	0.06	-465.38	0.0	57.82	372.17	-0.02	21.29	0.24	-
2.391e+04											
	-2.391e+04	-4.51	0.42	0.0	125.8	57.82	120.01	-0.02	21.29	-2.13	
6995.74											
					251.6	57.82	-93.21	-0.02	21.29	-4.51	
6753.34											
53	80 1.437e+04	-0.34	-0.07	-465.38	0.0	82.73	207.18	-0.02	9.51	-0.34	
3753.04											
	-7087.42	-6.38	0.23	0.0	125.8	82.73	-44.98	-0.02	9.51	-3.36	
1.391e+04											
					251.6	82.73	-258.20	-0.02	9.51	-6.38	-
7087.42											
53	81 1.209e+04	4.71	0.06	-465.38	0.0	-85.80	421.78	0.01	2.26	-0.80	-
3.235e+04											
	-3.235e+04	-0.80	-0.21	0.0	125.8	-85.80	169.62	0.01	2.26	1.96	
4889.37											
					251.6	-85.80	-43.60	0.01	2.26	4.71	
1.098e+04											
53	82 1.180e+04	2.85	-0.07	-465.38	0.0	-60.89	256.79	0.02	-9.52	-1.38	-
4684.72											
	-4684.72	-1.38	-0.40	0.0	125.8	-60.89	4.63	0.02	-9.52	0.73	
1.180e+04											
					251.6	-60.89	-208.59	0.02	-9.52	2.85	-
2862.40											
53	83 1.059e+04	-1.72	0.06	-465.38	0.0	70.48	373.97	-0.02	20.79	-1.72	-
2.419e+04											
	-2.419e+04	-6.58	0.19	0.0	125.8	70.48	121.81	-0.02	20.79	-4.15	
6922.23											

						251.6	70.48	-91.42	-0.02	20.79	-6.58	
6886.53												
53	84	1.380e+04	-2.34	-0.07	-465.38	0.0	91.55	216.26	-0.02	11.00	-2.34	
2197.02												
		-6398.11	-8.08	0.11	0.0	125.8	91.55	-35.90	-0.02	11.00	-5.21	
1.347e+04												
						251.6	91.55	-249.13	-0.02	11.00	-8.08	-
6398.11												
53	85	1.179e+04	6.41	0.06	-465.38	0.0	-94.63	412.71	0.02	0.77	1.20	-
3.079e+04												
		-3.079e+04	1.20	-0.10	0.0	125.8	-94.63	160.55	0.02	0.77	3.81	
5322.72												
						251.6	-94.63	-52.68	0.02	0.77	6.41	
1.029e+04												
53	86	1.187e+04	4.92	-0.07	-465.38	0.0	-73.55	255.00	0.02	-9.02	0.58	-
4404.50												
		-4404.50	0.58	-0.17	0.0	125.8	-73.55	2.84	0.02	-9.02	2.75	
1.187e+04												
						251.6	-73.55	-210.39	0.02	-9.02	4.92	-
2995.60												
53	87	1.063e+04	-1.74	0.06	-465.38	0.0	68.56	377.61	-0.02	21.79	-1.74	-
2.483e+04												
		-2.483e+04	-6.40	0.25	0.0	125.8	68.56	125.45	-0.02	21.79	-4.07	
6742.31												
						251.6	68.56	-87.78	-0.02	21.79	-6.40	
7164.59												
53	88	1.404e+04	-2.32	-0.07	-465.38	0.0	93.47	212.62	-0.02	10.01	-2.32	
2834.92												
		-6676.16	-8.27	0.06	0.0	125.8	93.47	-39.54	-0.02	10.01	-5.29	
1.365e+04												
						251.6	93.47	-252.77	-0.02	10.01	-8.27	-
6676.16												
53	89	1.191e+04	6.60	0.06	-465.38	0.0	-96.54	416.35	0.02	1.77	1.18	-
3.143e+04												
		-3.143e+04	1.18	-0.04	0.0	125.8	-96.54	164.19	0.02	1.77	3.89	
5142.80												
						251.6	-96.54	-49.04	0.02	1.77	6.60	
1.057e+04												
53	90	1.205e+04	4.73	-0.07	-465.38	0.0	-71.63	251.36	0.02	-10.01	0.60	-
3766.60												
		-3766.60	0.60	-0.23	0.0	125.8	-71.63	-0.80	0.02	-10.01	2.67	
1.205e+04												
						251.6	-71.63	-214.03	0.02	-10.01	4.73	-
3273.66												
53	91	2.345e+04	0.62	0.20	-465.38	0.0	-15.12	569.89	1.08e-03	25.06	0.62	-
5.701e+04												
		-5.701e+04	0.28	0.23	0.0	125.8	-15.12	317.73	1.08e-03	25.06	0.45	-
1205.74												
						251.6	-15.12	104.50	1.08e-03	25.06	0.28	
2.345e+04												
53	92	3.139e+04	-1.44	-0.21	-465.38	0.0	55.13	44.19	-0.01	-7.58	-1.44	
3.095e+04												
		-2.083e+04	-4.71	-0.02	0.0	125.8	55.13	-207.97	-0.01	-7.58	-3.08	
2.063e+04												
						251.6	55.13	-421.19	-0.01	-7.58	-4.71	-
2.083e+04												
53	93	2.472e+04	3.04	0.20	-465.38	0.0	-58.20	584.77	0.01	19.35	0.30	-
5.955e+04												
		-5.955e+04	0.30	0.04	0.0	125.8	-58.20	332.61	0.01	19.35	1.67	-
1837.65												
						251.6	-58.20	119.39	0.01	19.35	3.04	
2.472e+04												
53	94	2.929e+04	-1.75	-0.21	-465.38	0.0	12.05	59.08	-3.20e-03	-13.28	-1.75	
2.842e+04												
		-1.956e+04	-1.94	-0.21	0.0	125.8	12.05	-193.08	-3.20e-03	-13.28	-1.85	
2.000e+04												
						251.6	12.05	-406.31	-3.20e-03	-13.28	-1.94	-
1.956e+04												
53	95	2.358e+04	0.02	0.20	-465.38	0.0	-11.90	571.52	3.51e-04	25.21	0.02	-
5.729e+04												
		-5.729e+04	-0.29	0.18	0.0	125.8	-11.90	319.36	3.51e-04	25.21	-0.13	-
1281.77												

						251.6	-11.90	106.14	3.51e-04	25.21	-0.29	
2.358e+04												
53	96	3.114e+04	-2.03	-0.21	-465.38	0.0	58.36	45.82	-0.01	-7.43	-2.03	
3.067e+04												
		-2.071e+04	-5.28	-0.07	0.0	125.8	58.36	-206.34	-0.01	-7.43	-3.66	
2.056e+04												
						251.6	58.36	-419.56	-0.01	-7.43	-5.28	-
2.071e+04												
53	97	2.460e+04	3.61	0.20	-465.38	0.0	-61.43	583.14	0.01	19.20	0.90	-
5.927e+04												
		-5.927e+04	0.90	0.09	0.0	125.8	-61.43	330.98	0.01	19.20	2.25	-
1761.62												
						251.6	-61.43	117.76	0.01	19.20	3.61	
2.460e+04												
53	98	2.951e+04	-1.16	-0.21	-465.38	0.0	8.83	57.45	-2.46e-03	-13.43	-1.16	
2.869e+04												
		-1.969e+04	-1.38	-0.16	0.0	125.8	8.83	-194.71	-2.46e-03	-13.43	-1.27	
2.008e+04												
						251.6	8.83	-407.94	-2.46e-03	-13.43	-1.38	-
1.969e+04												
53	99	2.438e+04	0.90	0.21	-465.38	0.0	-21.51	582.02	-0.02	28.37	0.56	-
5.914e+04												
		-5.914e+04	0.56	0.42	0.0	125.8	-21.51	329.86	-0.02	28.37	0.73	-
1805.47												
						251.6	-21.51	116.64	-0.02	28.37	0.90	
2.438e+04												
53	100	3.333e+04	-1.38	-0.22	-465.38	0.0	61.52	32.06	4.58e-03	-10.89	-1.38	
3.308e+04												
		-2.176e+04	-5.33	-0.21	0.0	125.8	61.52	-220.10	4.58e-03	-10.89	-3.36	
2.123e+04												
						251.6	61.52	-433.33	4.58e-03	-10.89	-5.33	-
2.176e+04												
53	101	2.565e+04	3.67	0.21	-465.38	0.0	-64.59	596.91	-6.69e-03	22.67	0.24	-
6.167e+04												
		-6.167e+04	0.24	0.23	0.0	125.8	-64.59	344.75	-6.69e-03	22.67	1.95	-
2437.39												
						251.6	-64.59	131.52	-6.69e-03	22.67	3.67	
2.565e+04												
53	102	3.104e+04	-1.69	-0.22	-465.38	0.0	18.44	46.94	0.02	-16.60	-1.69	
3.054e+04												
		-2.049e+04	-2.56	-0.40	0.0	125.8	18.44	-205.22	0.02	-16.60	-2.13	
2.060e+04												
						251.6	18.44	-418.44	0.02	-16.60	-2.56	-
2.049e+04												
53	103	2.450e+04	0.33	0.21	-465.38	0.0	-18.29	583.65	-0.02	28.52	-0.04	-
5.942e+04												
		-5.942e+04	-0.04	0.37	0.0	125.8	-18.29	331.49	-0.02	28.52	0.15	-
1881.50												
						251.6	-18.29	118.27	-0.02	28.52	0.33	
2.450e+04												
53	104	3.308e+04	-1.97	-0.22	-465.38	0.0	64.75	33.69	3.85e-03	-10.74	-1.97	
3.280e+04												
		-2.163e+04	-5.90	-0.27	0.0	125.8	64.75	-218.47	3.85e-03	-10.74	-3.94	
2.116e+04												
						251.6	64.75	-431.70	3.85e-03	-10.74	-5.90	-
2.163e+04												
53	105	2.552e+04	4.23	0.21	-465.38	0.0	-67.82	595.28	-5.96e-03	22.52	0.84	-
6.140e+04												
		-6.140e+04	0.84	0.28	0.0	125.8	-67.82	343.12	-5.96e-03	22.52	2.53	-
2361.36												
						251.6	-67.82	129.89	-5.96e-03	22.52	4.23	
2.552e+04												
53	106	3.129e+04	-1.10	-0.22	-465.38	0.0	15.22	45.31	0.02	-16.75	-1.10	
3.082e+04												
		-2.061e+04	-2.00	-0.35	0.0	125.8	15.22	-206.85	0.02	-16.75	-1.55	
2.068e+04												
						251.6	15.22	-420.07	0.02	-16.75	-2.00	-
2.061e+04												
55	1	-1011.86	-2.41	8.67e-04	-17.40	0.0	-37.59	-87.56	-0.08	-7.40	-2.41	-
1011.86												
		-3557.45	-4.55	1.26e-03	0.0	13.2	-37.59	-96.26	-0.08	-7.40	-3.48	-
2227.14												

						26.4	-37.59	-104.96	-0.08	-7.40	-4.55	-3557.45
55	2	-3664.46	-4.85	4.94e-04	-118.55	0.0	-123.00	-515.36	0.60	-55.49	-20.61	-3664.46
		-1.886e+04	-20.61	1.07e-03	0.0	13.2	-123.00	-574.63	0.60	-55.49	-12.73	-1.087e+04
						26.4	-123.00	-633.91	0.60	-55.49	-4.85	-1.886e+04
55	3	-728.29	-1.51	6.79e-04	-11.48	0.0	-27.30	-59.28	-0.07	-4.78	-1.51	-728.29
		-2447.72	-3.49	9.74e-04	0.0	13.2	-27.30	-65.02	-0.07	-4.78	-2.50	-1550.07
						26.4	-27.30	-70.76	-0.07	-4.78	-3.49	-2447.72
55	4	-3380.90	-3.79	3.58e-04	-112.63	0.0	-112.71	-487.08	0.60	-52.88	-19.71	-3380.90
		-1.775e+04	-19.71	7.80e-04	0.0	13.2	-112.71	-543.39	0.60	-52.88	-11.75	-1.019e+04
						26.4	-112.71	-599.70	0.60	-52.88	-3.79	-1.775e+04
55	5	-756.59	-1.71	6.72e-04	-12.56	0.0	-28.21	-63.85	-0.07	-5.30	-1.71	-756.59
		-2610.94	-3.50	9.72e-04	0.0	13.2	-28.21	-70.12	-0.07	-5.30	-2.60	-1642.26
						26.4	-28.21	-76.40	-0.07	-5.30	-3.50	-2610.94
55	6	-2524.99	-3.69	3.96e-04	-79.99	0.0	-85.15	-349.04	0.38	-37.36	-13.84	-2524.99
		-1.281e+04	-13.84	8.43e-04	0.0	13.2	-85.15	-389.03	0.38	-37.36	-8.76	-7404.43
						26.4	-85.15	-429.03	0.38	-37.36	-3.69	-1.281e+04
55	7	-756.59	-1.71	6.72e-04	-12.56	0.0	-28.21	-63.85	-0.07	-5.30	-1.71	-756.59
		-2610.94	-3.50	9.72e-04	0.0	13.2	-28.21	-70.12	-0.07	-5.30	-2.60	-1642.26
						26.4	-28.21	-76.40	-0.07	-5.30	-3.50	-2610.94
55	8	-1994.47	-3.63	4.37e-04	-59.76	0.0	-68.07	-263.48	0.25	-27.74	-10.20	-1994.47
		-9752.15	-10.20	8.81e-04	0.0	13.2	-68.07	-293.36	0.25	-27.74	-6.92	-5675.78
						26.4	-68.07	-323.24	0.25	-27.74	-3.63	-9752.15
55	9	-756.59	-1.71	6.72e-04	-12.56	0.0	-28.21	-63.85	-0.07	-5.30	-1.71	-756.59
		-2610.94	-3.50	9.72e-04	0.0	13.2	-28.21	-70.12	-0.07	-5.30	-2.60	-1642.26
						26.4	-28.21	-76.40	-0.07	-5.30	-3.50	-2610.94
55	10	-1817.63	-3.62	4.57e-04	-53.02	0.0	-62.38	-234.96	0.20	-24.53	-8.98	-1817.63
		-8731.98	-8.98	8.94e-04	0.0	13.2	-62.38	-261.47	0.20	-24.53	-6.30	-5099.56
						26.4	-62.38	-287.98	0.20	-24.53	-3.62	-8731.98
55	11	931.23	-19.65	-5.81e-03	-53.02	0.0	-716.62	-115.56	-4.61	-46.04	-19.65	931.23
		-2786.97	-113.93	-4.55e-03	0.0	13.2	-716.62	-142.07	-4.61	-46.04	-66.79	-752.63
						26.4	-716.62	-168.58	-4.61	-46.04	-113.93	-2786.97
55	12	-1.544e+04	-28.56	6.53e-03	-53.02	0.0	-492.96	-613.19	-2.24	88.64	-28.56	-1.544e+04
		-3.231e+04	-58.38	-0.03	0.0	13.2	-492.96	-639.70	-2.24	88.64	-43.47	-2.370e+04
						26.4	-492.96	-666.20	-2.24	88.64	-58.38	-3.231e+04
55	13	1.485e+04	51.15	-5.68e-03	-53.02	0.0	368.21	143.26	2.65	-137.71	10.60	-1.180e+04
		1.180e+04	10.60	0.03	0.0	13.2	368.21	116.75	2.65	-137.71	30.87	-1.350e+04
						26.4	368.21	90.25	2.65	-137.71	51.15	

1.485e+04												
55	14	-4566.48	106.70	6.67e-03	-53.02	0.0	591.87	-354.37	5.01	-3.03	1.68	-
4566.48												
		-1.468e+04	1.68	6.34e-03	0.0	13.2	591.87	-380.87	5.01	-3.03	54.19	-
9446.49												
						26.4	591.87	-407.38	5.01	-3.03	106.70	-
1.468e+04												
55	15	810.11	-16.86	-6.03e-03	-53.02	0.0	-771.79	-114.47	-5.11	-45.76	-16.86	810.11
		-2879.90	-124.49	-1.94e-03	0.0	13.2	-771.79	-140.98	-5.11	-45.76	-70.68	-
859.65												
						26.4	-771.79	-167.49	-5.11	-45.76	-124.49	-
2879.90												
55	16	-1.531e+04	-31.35	6.76e-03	-53.02	0.0	-437.80	-614.27	-1.74	88.36	-31.35	-
1.531e+04												
		-3.222e+04	-47.83	-0.03	0.0	13.2	-437.80	-640.78	-1.74	88.36	-39.59	-
2.359e+04												
						26.4	-437.80	-667.29	-1.74	88.36	-47.83	-
3.222e+04												
55	17	1.475e+04	40.60	-5.90e-03	-53.02	0.0	313.04	144.35	2.14	-137.43	13.38	
1.168e+04												
		1.168e+04	13.38	0.03	0.0	13.2	313.04	117.84	2.14	-137.43	26.99	
1.339e+04												
						26.4	313.04	91.33	2.14	-137.43	40.60	
1.475e+04												
55	18	-4445.37	117.26	6.89e-03	-53.02	0.0	647.03	-355.45	5.52	-3.31	-1.10	-
4445.37												
		-1.458e+04	-1.10	3.73e-03	0.0	13.2	647.03	-381.96	5.52	-3.31	58.08	-
9339.47												
						26.4	647.03	-408.47	5.52	-3.31	117.26	-
1.458e+04												
55	19	717.42	-27.10	-6.56e-03	-53.02	0.0	-887.43	-115.27	2.27	-44.67	-27.10	717.42
		-3001.73	-118.19	-9.49e-03	0.0	13.2	-887.43	-141.78	2.27	-44.67	-72.65	-
966.92												
						26.4	-887.43	-168.28	2.27	-44.67	-118.19	-
3001.73												
55	20	-1.565e+04	-36.02	5.79e-03	-53.02	0.0	-663.76	-612.90	4.63	90.01	-36.02	-
1.565e+04												
		-3.253e+04	-62.64	-0.03	0.0	13.2	-663.76	-639.40	4.63	90.01	-49.33	-
2.391e+04												
						26.4	-663.76	-665.91	4.63	90.01	-62.64	-
3.253e+04												
55	21	1.506e+04	55.41	-4.93e-03	-53.02	0.0	539.01	142.97	-4.23	-139.08	18.05	
1.201e+04												
		1.201e+04	18.05	0.03	0.0	13.2	539.01	116.46	-4.23	-139.08	36.73	
1.371e+04												
						26.4	539.01	89.95	-4.23	-139.08	55.41	
1.506e+04												
55	22	-4352.67	110.96	7.42e-03	-53.02	0.0	762.68	-354.66	-1.86	-4.40	9.14	-
4352.67												
		-1.446e+04	9.14	0.01	0.0	13.2	762.68	-381.16	-1.86	-4.40	60.05	-
9232.21												
						26.4	762.68	-407.67	-1.86	-4.40	110.96	-
1.446e+04												
55	23	596.30	-24.32	-6.78e-03	-53.02	0.0	-942.59	-114.18	1.76	-44.39	-24.32	596.30
		-3094.66	-128.75	-6.89e-03	0.0	13.2	-942.59	-140.69	1.76	-44.39	-76.53	-
1073.93												
						26.4	-942.59	-167.20	1.76	-44.39	-128.75	-
3094.66												
55	24	-1.553e+04	-38.80	6.01e-03	-53.02	0.0	-608.60	-613.98	5.14	89.73	-38.80	-
1.553e+04												
		-3.243e+04	-52.09	-0.03	0.0	13.2	-608.60	-640.49	5.14	89.73	-45.44	-
2.381e+04												
						26.4	-608.60	-667.00	5.14	89.73	-52.09	-
3.243e+04												
55	25	1.497e+04	44.86	-5.15e-03	-53.02	0.0	483.85	144.06	-4.74	-138.80	20.83	
1.189e+04												
		1.189e+04	20.83	0.04	0.0	13.2	483.85	117.55	-4.74	-138.80	32.84	
1.361e+04												
						26.4	483.85	91.04	-4.74	-138.80	44.86	
1.497e+04												
55	26	-4231.56	121.52	7.64e-03	-53.02	0.0	817.84	-355.74	-1.36	-4.68	6.35	-
4231.56												

		-1.437e+04	6.35	8.68e-03	0.0	13.2	817.84	-382.25	-1.36	-4.68	63.93	-9125.19
						26.4	817.84	-408.76	-1.36	-4.68	121.52	-1.437e+04
55	27	3.783e+04	1.34	-0.02	-53.02	0.0	-597.87	555.59	-4.82	-235.25	1.34	2.383e+04
		2.383e+04	-120.96	0.03	0.0	13.2	-597.87	529.08	-4.82	-235.25	-59.81	3.101e+04
						26.4	-597.87	502.58	-4.82	-235.25	-120.96	3.783e+04
55	28	-3.073e+04	64.21	0.02	-53.02	0.0	147.67	-1103.16	3.05	213.68	-28.38	-3.073e+04
		-6.058e+04	-28.38	-0.04	0.0	13.2	147.67	-1129.67	3.05	213.68	17.91	-4.548e+04
						26.4	147.67	-1156.18	3.05	213.68	64.21	-6.058e+04
55	29	4.312e+04	10.41	-0.02	-53.02	0.0	-272.42	633.24	-2.65	-262.75	10.41	2.709e+04
		2.709e+04	-71.44	0.04	0.0	13.2	-272.42	606.73	-2.65	-262.75	-30.51	3.528e+04
						26.4	-272.42	580.22	-2.65	-262.75	-71.44	4.312e+04
55	30	-2.747e+04	113.73	0.02	-53.02	0.0	473.12	-1025.52	5.23	186.18	-19.30	-2.747e+04
		-5.529e+04	-19.30	-0.03	0.0	13.2	473.12	-1052.03	5.23	186.18	47.21	-4.120e+04
						26.4	473.12	-1078.53	5.23	186.18	113.73	-5.529e+04
55	31	3.776e+04	-0.90	-0.02	-53.02	0.0	-649.12	555.68	-2.76	-234.84	-0.90	2.377e+04
		2.377e+04	-122.24	0.03	0.0	13.2	-649.12	529.17	-2.76	-234.84	-61.57	3.094e+04
						26.4	-649.12	502.66	-2.76	-234.84	-122.24	3.776e+04
55	32	-3.079e+04	62.93	0.02	-53.02	0.0	96.43	-1103.08	5.12	214.09	-30.61	-3.079e+04
		-6.065e+04	-30.61	-0.04	0.0	13.2	96.43	-1129.58	5.12	214.09	16.16	-4.554e+04
						26.4	96.43	-1156.09	5.12	214.09	62.93	-6.065e+04
55	33	4.318e+04	12.65	-0.02	-53.02	0.0	-221.18	633.15	-4.71	-263.16	12.65	2.716e+04
		2.716e+04	-70.16	0.04	0.0	13.2	-221.18	606.64	-4.71	-263.16	-28.76	3.535e+04
						26.4	-221.18	580.14	-4.71	-263.16	-70.16	4.318e+04
55	34	-2.740e+04	115.01	0.02	-53.02	0.0	524.36	-1025.61	3.17	185.77	-17.07	-2.740e+04
		-5.523e+04	-17.07	-0.03	0.0	13.2	524.36	-1052.11	3.17	185.77	48.97	-4.114e+04
						26.4	524.36	-1078.62	3.17	185.77	115.01	-5.523e+04
55	35	3.752e+04	10.62	-0.02	-53.02	0.0	-781.75	559.22	-6.52	-234.32	10.62	2.343e+04
		2.343e+04	-156.15	0.04	0.0	13.2	-781.75	532.71	-6.52	-234.32	-72.76	3.065e+04
						26.4	-781.75	506.20	-6.52	-234.32	-156.15	3.752e+04
55	36	-3.032e+04	99.39	0.02	-53.02	0.0	331.55	-1106.79	4.75	212.75	-37.66	-3.032e+04
		-6.027e+04	-37.66	-0.05	0.0	13.2	331.55	-1133.30	4.75	212.75	30.86	-4.512e+04
						26.4	331.55	-1159.80	4.75	212.75	99.39	-6.027e+04
55	37	4.281e+04	19.69	-0.02	-53.02	0.0	-456.30	636.86	-4.34	-261.82	19.69	2.669e+04
		2.669e+04	-106.62	0.05	0.0	13.2	-456.30	610.35	-4.34	-261.82	-43.46	3.492e+04
						26.4	-456.30	583.85	-4.34	-261.82	-106.62	4.281e+04
55	38	-2.706e+04	148.92	0.02	-53.02	0.0	657.00	-1029.14	6.92	185.25	-28.59	-2.706e+04

		-5.498e+04	-28.59	-0.04	0.0	13.2	657.00	-1055.65	6.92	185.25	60.16	-4.085e+04
						26.4	657.00	-1082.16	6.92	185.25	148.92	-5.498e+04
55	39	3.746e+04	8.38	-0.02	-53.02	0.0	-832.99	559.30	-4.45	-233.91	8.38	2.336e+04
		2.336e+04	-157.42	0.04	0.0	13.2	-832.99	532.80	-4.45	-233.91	-74.52	3.058e+04
						26.4	-832.99	506.29	-4.45	-233.91	-157.42	3.746e+04
55	40	-3.039e+04	98.11	0.02	-53.02	0.0	280.31	-1106.70	6.81	213.17	-39.90	-3.039e+04
		-6.034e+04	-39.90	-0.05	0.0	13.2	280.31	-1133.21	6.81	213.17	29.11	-4.519e+04
						26.4	280.31	-1159.72	6.81	213.17	98.11	-6.034e+04
55	41	4.287e+04	21.93	-0.02	-53.02	0.0	-405.06	636.77	-6.40	-262.23	21.93	2.675e+04
		2.675e+04	-105.34	0.05	0.0	13.2	-405.06	610.27	-6.40	-262.23	-41.71	3.499e+04
						26.4	-405.06	583.76	-6.40	-262.23	-105.34	4.287e+04
55	42	-2.700e+04	150.19	0.02	-53.02	0.0	708.24	-1029.23	4.86	184.84	-26.35	-2.700e+04
		-5.492e+04	-26.35	-0.04	0.0	13.2	708.24	-1055.74	4.86	184.84	61.92	-4.078e+04
						26.4	708.24	-1082.24	4.86	184.84	150.19	-5.492e+04
55	43	364.27	-17.37	-4.51e-03	-53.02	0.0	-577.75	-140.23	-3.59	-41.68	-17.37	364.27
		-4017.54	-90.69	-3.39e-03	0.0	13.2	-577.75	-166.74	-3.59	-41.68	-54.03	-1651.39
						26.4	-577.75	-193.25	-3.59	-41.68	-90.69	-4017.54
55	44	-1.261e+04	-24.30	5.28e-03	-53.02	0.0	-403.43	-534.67	-1.72	65.07	-24.30	-1.261e+04
		-2.742e+04	-46.74	-0.02	0.0	13.2	-403.43	-561.18	-1.72	65.07	-35.52	-1.984e+04
						26.4	-403.43	-587.69	-1.72	65.07	-46.74	-2.742e+04
55	45	9955.32	39.51	-4.43e-03	-53.02	0.0	278.68	64.75	2.13	-114.14	6.33	8973.40
		8973.40	6.33	0.02	0.0	13.2	278.68	38.24	2.13	-114.14	22.92	9639.60
						26.4	278.68	11.73	2.13	-114.14	39.51	9955.32
55	46	-3999.53	83.46	5.36e-03	-53.02	0.0	452.99	-329.69	4.00	-7.39	-0.60	-3999.53
		-1.345e+04	-0.60	5.18e-03	0.0	13.2	452.99	-356.20	4.00	-7.39	41.43	-8547.73
						26.4	452.99	-382.71	4.00	-7.39	83.46	-1.345e+04
55	47	268.19	-15.15	-4.68e-03	-53.02	0.0	-621.69	-139.37	-4.00	-41.46	-15.15	268.19
		-4091.27	-99.06	-1.32e-03	0.0	13.2	-621.69	-165.88	-4.00	-41.46	-57.11	-1736.30
						26.4	-621.69	-192.39	-4.00	-41.46	-99.06	-4091.27
55	48	-1.251e+04	-26.52	5.46e-03	-53.02	0.0	-359.49	-535.53	-1.32	64.85	-26.52	-1.251e+04
		-2.735e+04	-38.37	-0.02	0.0	13.2	-359.49	-562.04	-1.32	64.85	-32.44	-1.975e+04
						26.4	-359.49	-588.55	-1.32	64.85	-38.37	-2.735e+04
55	49	9881.59	31.14	-4.60e-03	-53.02	0.0	234.73	65.61	1.72	-113.92	8.55	8877.31
		8877.31	8.55	0.02	0.0	13.2	234.73	39.10	1.72	-113.92	19.85	9554.69
						26.4	234.73	12.59	1.72	-113.92	31.14	9881.59
55	50	-3903.44	91.83	5.54e-03	-53.02	0.0	496.94	-330.55	4.40	-7.61	-2.81	-3903.44
		-1.337e+04	-2.81	3.11e-03	0.0	13.2	496.94	-357.06	4.40	-7.61	44.51	-8462.82

						26.4	496.94	-383.57	4.40	-7.61	91.83	-1.337e+04
55	51	194.68	-23.20	-5.14e-03	-53.02	0.0	-713.18	-139.99	1.82	-40.58	-23.20	194.68
		-4187.71	-93.99	-7.29e-03	0.0	13.2	-713.18	-166.50	1.82	-40.58	-58.59	-1821.27
						26.4	-713.18	-193.01	1.82	-40.58	-93.99	-4187.71
55	52	-1.278e+04	-30.13	4.65e-03	-53.02	0.0	-538.87	-534.43	3.69	66.17	-30.13	-1.278e+04
		-2.759e+04	-50.03	-0.02	0.0	13.2	-538.87	-560.94	3.69	66.17	-40.08	-2.001e+04
						26.4	-538.87	-587.45	3.69	66.17	-50.03	-2.759e+04
55	53	1.013e+04	42.80	-3.79e-03	-53.02	0.0	414.11	64.51	-3.28	-115.24	12.16	9142.99
		9142.99	12.16	0.03	0.0	13.2	414.11	38.00	-3.28	-115.24	27.48	9809.48
						26.4	414.11	11.49	-3.28	-115.24	42.80	1.013e+04
55	54	-3829.94	86.76	5.99e-03	-53.02	0.0	588.43	-329.93	-1.41	-8.49	5.23	-3829.94
		-1.328e+04	5.23	9.08e-03	0.0	13.2	588.43	-356.44	-1.41	-8.49	45.99	-8377.85
						26.4	588.43	-382.95	-1.41	-8.49	86.76	-1.328e+04
55	55	98.59	-20.98	-5.31e-03	-53.02	0.0	-757.13	-139.13	1.41	-40.36	-20.98	98.59
		-4261.43	-102.35	-5.23e-03	0.0	13.2	-757.13	-165.64	1.41	-40.36	-61.67	-1906.18
						26.4	-757.13	-192.15	1.41	-40.36	-102.35	-4261.43
55	56	-1.268e+04	-32.35	4.83e-03	-53.02	0.0	-494.92	-535.30	4.09	65.95	-32.35	-1.268e+04
		-2.752e+04	-41.66	-0.03	0.0	13.2	-494.92	-561.80	4.09	65.95	-37.00	-1.992e+04
						26.4	-494.92	-588.31	4.09	65.95	-41.66	-2.752e+04
55	57	1.005e+04	34.43	-3.97e-03	-53.02	0.0	370.17	65.37	-3.68	-115.01	14.38	9046.90
		9046.90	14.38	0.03	0.0	13.2	370.17	38.86	-3.68	-115.01	24.41	9724.57
						26.4	370.17	12.35	-3.68	-115.01	34.43	1.005e+04
55	58	-3733.85	95.12	6.17e-03	-53.02	0.0	632.37	-330.79	-1.01	-8.71	3.01	-3733.85
		-1.320e+04	3.01	7.02e-03	0.0	13.2	632.37	-357.30	-1.01	-8.71	49.07	-8292.94
						26.4	632.37	-383.81	-1.01	-8.71	95.12	-1.320e+04
55	59	2.817e+04	-0.99	-0.02	-53.02	0.0	-481.37	391.69	-3.77	-191.58	-0.99	1.851e+04
		1.851e+04	-96.40	0.03	0.0	13.2	-481.37	365.18	-3.77	-191.58	-48.70	2.352e+04
						26.4	-481.37	338.68	-3.77	-191.58	-96.40	2.817e+04
55	60	-2.473e+04	50.11	0.02	-53.02	0.0	99.69	-923.11	2.46	164.25	-24.09	-2.473e+04
		-4.983e+04	-24.09	-0.03	0.0	13.2	99.69	-949.62	2.46	164.25	13.01	-3.711e+04
						26.4	99.69	-976.13	2.46	164.25	50.11	-4.983e+04
55	61	3.237e+04	6.12	-0.02	-53.02	0.0	-224.44	453.19	-2.06	-213.32	6.12	2.110e+04
		2.110e+04	-57.34	0.03	0.0	13.2	-224.44	426.68	-2.06	-213.32	-25.61	2.691e+04
						26.4	-224.44	400.17	-2.06	-213.32	-57.34	3.237e+04
55	62	-2.215e+04	89.17	0.02	-53.02	0.0	356.61	-861.62	4.18	142.51	-16.98	-2.215e+04
		-4.564e+04	-16.98	-0.02	0.0	13.2	356.61	-888.13	4.18	142.51	36.10	-3.372e+04
						26.4	356.61	-914.63	4.18	142.51	89.17	-4.564e+04

55	63	2.812e+04	-2.74	-0.02	-53.02	0.0	-522.00	391.76	-2.15	-191.25	-2.74	
1.846e+04												
		1.846e+04	-97.39	0.02	0.0	13.2	-522.00	365.26	-2.15	-191.25	-50.06	
2.347e+04												
						26.4	-522.00	338.75	-2.15	-191.25	-97.39	
2.812e+04												
55	64	-2.478e+04	49.12	0.02	-53.02	0.0	59.06	-923.04	4.09	164.58	-25.84	-
2.478e+04												
		-4.988e+04	-25.84	-0.03	0.0	13.2	59.06	-949.55	4.09	164.58	11.64	-
3.716e+04												
						26.4	59.06	-976.06	4.09	164.58	49.12	-
4.988e+04												
55	65	3.242e+04	7.87	-0.02	-53.02	0.0	-183.81	453.11	-3.68	-213.65	7.87	
2.115e+04												
		2.115e+04	-56.35	0.03	0.0	13.2	-183.81	426.61	-3.68	-213.65	-24.24	
2.696e+04												
						26.4	-183.81	400.10	-3.68	-213.65	-56.35	
3.242e+04												
55	66	-2.210e+04	90.16	0.02	-53.02	0.0	397.25	-861.69	2.56	142.18	-15.23	-
2.210e+04												
		-4.559e+04	-15.23	-0.02	0.0	13.2	397.25	-888.20	2.56	142.18	37.47	-
3.367e+04												
						26.4	397.25	-914.70	2.56	142.18	90.16	-
4.559e+04												
55	67	2.793e+04	6.40	-0.02	-53.02	0.0	-627.84	394.56	-5.12	-190.84	6.40	
1.819e+04												
		1.819e+04	-124.30	0.03	0.0	13.2	-627.84	368.05	-5.12	-190.84	-58.95	
2.324e+04												
						26.4	-627.84	341.55	-5.12	-190.84	-124.30	
2.793e+04												
55	68	-2.441e+04	78.01	0.02	-53.02	0.0	246.16	-925.98	3.81	163.51	-31.48	-
2.441e+04												
		-4.959e+04	-31.48	-0.04	0.0	13.2	246.16	-952.49	3.81	163.51	23.26	-
3.682e+04												
						26.4	246.16	-979.00	3.81	163.51	78.01	-
4.959e+04												
55	69	3.212e+04	13.51	-0.02	-53.02	0.0	-370.92	456.06	-3.40	-212.58	13.51	
2.077e+04												
		2.077e+04	-85.24	0.04	0.0	13.2	-370.92	429.55	-3.40	-212.58	-35.86	
2.662e+04												
						26.4	-370.92	403.04	-3.40	-212.58	-85.24	
3.212e+04												
55	70	-2.183e+04	117.07	0.02	-53.02	0.0	503.09	-864.49	5.52	141.77	-24.37	-
2.183e+04												
		-4.539e+04	-24.37	-0.03	0.0	13.2	503.09	-890.99	5.52	141.77	46.35	-
3.344e+04												
						26.4	503.09	-917.50	5.52	141.77	117.07	-
4.539e+04												
55	71	2.788e+04	4.65	-0.02	-53.02	0.0	-668.47	394.63	-3.49	-190.51	4.65	
1.814e+04												
		1.814e+04	-125.28	0.03	0.0	13.2	-668.47	368.13	-3.49	-190.51	-60.31	
2.319e+04												
						26.4	-668.47	341.62	-3.49	-190.51	-125.28	
2.788e+04												
55	72	-2.446e+04	77.02	0.02	-53.02	0.0	205.53	-925.91	5.43	163.84	-33.23	-
2.446e+04												
		-4.964e+04	-33.23	-0.04	0.0	13.2	205.53	-952.42	5.43	163.84	21.89	-
3.687e+04												
						26.4	205.53	-978.93	5.43	163.84	77.02	-
4.964e+04												
55	73	3.217e+04	15.26	-0.02	-53.02	0.0	-330.29	455.98	-5.02	-212.91	15.26	
2.083e+04												
		2.083e+04	-84.25	0.04	0.0	13.2	-330.29	429.48	-5.02	-212.91	-34.49	
2.667e+04												
						26.4	-330.29	402.97	-5.02	-212.91	-84.25	
3.217e+04												
55	74	-2.178e+04	118.05	0.02	-53.02	0.0	543.72	-864.56	3.90	141.44	-22.62	-
2.178e+04												
		-4.534e+04	-22.62	-0.03	0.0	13.2	543.72	-891.07	3.90	141.44	47.72	-
3.338e+04												
						26.4	543.72	-917.57	3.90	141.44	118.05	-
4.534e+04												

55	75	-14.58	-15.95	-3.65e-03	-53.02	0.0	-488.76	-156.68	-2.94	-38.70	-15.95	-14.58
		-4835.98	-75.67	-2.65e-03	0.0	13.2	-488.76	-183.19	-2.94	-38.70	-45.81	-2250.04
						26.4	-488.76	-209.70	-2.94	-38.70	-75.67	-4835.98
55	76	-1.074e+04	-21.68	4.44e-03	-53.02	0.0	-344.53	-482.65	-1.39	49.52	-21.68	-1.074e+04
		-2.418e+04	-39.34	-0.02	0.0	13.2	-344.53	-509.16	-1.39	49.52	-30.51	-1.728e+04
						26.4	-344.53	-535.67	-1.39	49.52	-39.34	-2.418e+04
55	77	7134.48	32.11	-3.58e-03	-53.02	0.0	219.77	12.73	1.80	-98.59	3.72	7100.27
		6711.40	3.72	0.02	0.0	13.2	219.77	-13.78	1.80	-98.59	17.91	7081.08
						26.4	219.77	-40.29	1.80	-98.59	32.11	6711.40
55	78	-3620.67	68.44	4.51e-03	-53.02	0.0	364.01	-313.24	3.34	-10.37	-2.02	-3620.67
		-1.263e+04	-2.02	4.44e-03	0.0	13.2	364.01	-339.75	3.34	-10.37	33.21	-7949.08
						26.4	364.01	-366.26	3.34	-10.37	68.44	-1.263e+04
55	79	-93.99	-14.12	-3.80e-03	-53.02	0.0	-525.06	-155.97	-3.27	-38.52	-14.12	-93.99
		-4896.91	-82.58	-9.49e-04	0.0	13.2	-525.06	-182.48	-3.27	-38.52	-48.35	-2320.20
						26.4	-525.06	-208.99	-3.27	-38.52	-82.58	-4896.91
55	80	-1.066e+04	-23.52	4.58e-03	-53.02	0.0	-308.23	-483.36	-1.06	49.33	-23.52	-1.066e+04
		-2.411e+04	-32.42	-0.02	0.0	13.2	-308.23	-509.87	-1.06	49.33	-27.97	-1.721e+04
						26.4	-308.23	-536.38	-1.06	49.33	-32.42	-2.411e+04
55	81	7059.70	25.19	-3.73e-03	-53.02	0.0	183.47	13.44	1.46	-98.40	5.55	7020.87
		6650.47	5.55	0.02	0.0	13.2	183.47	-13.07	1.46	-98.40	15.37	7010.91
						26.4	183.47	-39.58	1.46	-98.40	25.19	6650.47
55	82	-3541.27	75.35	4.65e-03	-53.02	0.0	400.31	-313.95	3.68	-10.55	-3.85	-3541.27
		-1.257e+04	-3.85	2.74e-03	0.0	13.2	400.31	-340.46	3.68	-10.55	35.75	-7878.92
						26.4	400.31	-366.97	3.68	-10.55	75.35	-1.257e+04
55	83	-154.74	-20.76	-4.17e-03	-53.02	0.0	-600.55	-156.48	1.54	-37.79	-20.76	-154.74
		-4976.61	-78.38	-5.88e-03	0.0	13.2	-600.55	-182.99	1.54	-37.79	-49.57	-2390.43
						26.4	-600.55	-209.50	1.54	-37.79	-78.38	-4976.61
55	84	-1.088e+04	-26.50	3.92e-03	-53.02	0.0	-456.31	-482.45	3.09	50.42	-26.50	-1.088e+04
		-2.432e+04	-42.05	-0.02	0.0	13.2	-456.31	-508.96	3.09	50.42	-34.27	-1.742e+04
						26.4	-456.31	-535.47	3.09	50.42	-42.05	-2.432e+04
55	85	7274.76	34.82	-3.06e-03	-53.02	0.0	331.56	12.53	-2.68	-99.49	8.53	7240.42
		6852.03	8.53	0.02	0.0	13.2	331.56	-13.98	-2.68	-99.49	21.68	7221.47
						26.4	331.56	-40.49	-2.68	-99.49	34.82	6852.03
55	86	-3480.52	71.15	5.03e-03	-53.02	0.0	475.79	-313.44	-1.14	-11.28	2.80	-3480.52
		-1.249e+04	2.80	7.67e-03	0.0	13.2	475.79	-339.95	-1.14	-11.28	36.97	-7808.69
						26.4	475.79	-366.46	-1.14	-11.28	71.15	-1.249e+04
55	87	-234.14	-18.93	-4.32e-03	-53.02	0.0	-636.85	-155.77	1.21	-37.61	-18.93	-234.14

		-5037.54	-85.30	-4.17e-03	0.0	13.2	-636.85	-182.28	1.21	-37.61	-52.11	-2460.60
						26.4	-636.85	-208.79	1.21	-37.61	-85.30	-5037.54
55	88	-1.080e+04	-28.33	4.06e-03	-53.02	0.0	-420.01	-483.17	3.42	50.24	-28.33	-1.080e+04
		-2.426e+04	-35.13	-0.02	0.0	13.2	-420.01	-509.67	3.42	50.24	-31.73	-1.735e+04
						26.4	-420.01	-536.18	3.42	50.24	-35.13	-2.426e+04
55	89	7199.98	27.90	-3.21e-03	-53.02	0.0	295.26	13.24	-3.02	-99.31	10.37	7161.02
		6791.10	10.37	0.02	0.0	13.2	295.26	-13.27	-3.02	-99.31	19.13	7151.31
						26.4	295.26	-39.78	-3.02	-99.31	27.90	6791.10
55	90	-3401.12	78.07	5.17e-03	-53.02	0.0	512.09	-314.15	-0.80	-11.46	0.97	-3401.12
		-1.243e+04	0.97	5.96e-03	0.0	13.2	512.09	-340.66	-0.80	-11.46	39.52	-7738.52
						26.4	512.09	-367.17	-0.80	-11.46	78.07	-1.243e+04
55	91	2.177e+04	-2.37	-0.01	-53.02	0.0	-409.04	282.91	-3.09	-162.58	-2.37	1.498e+04
		1.498e+04	-80.33	0.02	0.0	13.2	-409.04	256.40	-3.09	-162.58	-41.35	1.855e+04
						26.4	-409.04	229.89	-3.09	-162.58	-80.33	2.177e+04
55	92	-2.075e+04	40.77	0.01	-53.02	0.0	71.73	-803.66	2.07	131.48	-21.49	-2.075e+04
		-4.270e+04	-21.49	-0.03	0.0	13.2	71.73	-830.16	2.07	131.48	9.64	-3.155e+04
						26.4	71.73	-856.67	2.07	131.48	40.77	-4.270e+04
55	93	2.523e+04	3.53	-0.01	-53.02	0.0	-196.48	333.73	-1.66	-180.55	3.53	1.712e+04
		1.712e+04	-48.00	0.03	0.0	13.2	-196.48	307.22	-1.66	-180.55	-22.24	2.135e+04
						26.4	-196.48	280.72	-1.66	-180.55	-48.00	2.523e+04
55	94	-1.862e+04	73.10	0.01	-53.02	0.0	284.29	-752.83	3.49	113.51	-15.59	-1.862e+04
		-3.923e+04	-15.59	-0.02	0.0	13.2	284.29	-779.34	3.49	113.51	28.76	-2.875e+04
						26.4	284.29	-805.85	3.49	113.51	73.10	-3.923e+04
55	95	2.173e+04	-3.82	-0.01	-53.02	0.0	-442.58	282.97	-1.74	-162.31	-3.82	1.494e+04
		1.494e+04	-81.15	0.02	0.0	13.2	-442.58	256.46	-1.74	-162.31	-42.48	1.851e+04
						26.4	-442.58	229.95	-1.74	-162.31	-81.15	2.173e+04
55	96	-2.080e+04	39.96	0.01	-53.02	0.0	38.19	-803.60	3.41	131.75	-22.94	-2.080e+04
		-4.274e+04	-22.94	-0.03	0.0	13.2	38.19	-830.10	3.41	131.75	8.51	-3.159e+04
						26.4	38.19	-856.61	3.41	131.75	39.96	-4.274e+04
55	97	2.527e+04	4.97	-0.01	-53.02	0.0	-162.95	333.67	-3.01	-180.82	4.97	1.716e+04
		1.716e+04	-47.19	0.03	0.0	13.2	-162.95	307.16	-3.01	-180.82	-21.11	2.139e+04
						26.4	-162.95	280.66	-3.01	-180.82	-47.19	2.527e+04
55	98	-1.858e+04	73.92	0.01	-53.02	0.0	317.83	-752.89	2.15	113.24	-14.15	-1.858e+04
		-3.919e+04	-14.15	-0.02	0.0	13.2	317.83	-779.40	2.15	113.24	29.89	-2.871e+04
						26.4	317.83	-805.91	2.15	113.24	73.92	-3.919e+04
55	99	2.157e+04	3.73	-0.01	-53.02	0.0	-530.04	285.28	-4.20	-161.97	3.73	1.472e+04

		1.472e+04	-103.39	0.03	0.0	13.2	-530.04	258.77	-4.20	-161.97	-49.83	
1.832e+04												
						26.4	-530.04	232.26	-4.20	-161.97	-103.39	
2.157e+04												
55	100	-2.049e+04	63.82	0.01	-53.02	0.0	192.73	-806.03	3.18	130.87	-27.60	-
2.049e+04												
		-4.249e+04	-27.60	-0.03	0.0	13.2	192.73	-832.54	3.18	130.87	18.11	-
3.132e+04												
						26.4	192.73	-859.04	3.18	130.87	63.82	-
4.249e+04												
55	101	2.503e+04	9.63	-0.01	-53.02	0.0	-317.48	336.10	-2.77	-179.93	9.63	
1.685e+04												
		1.685e+04	-71.05	0.03	0.0	13.2	-317.48	309.59	-2.77	-179.93	-30.71	
2.112e+04												
						26.4	-317.48	283.09	-2.77	-179.93	-71.05	
2.503e+04												
55	102	-1.835e+04	96.15	0.01	-53.02	0.0	405.29	-755.21	4.60	112.90	-21.70	-
1.835e+04												
		-3.903e+04	-21.70	-0.03	0.0	13.2	405.29	-781.71	4.60	112.90	37.23	-
2.852e+04												
						26.4	405.29	-808.22	4.60	112.90	96.15	-
3.903e+04												
55	103	2.152e+04	2.29	-0.01	-53.02	0.0	-563.58	285.34	-2.85	-161.70	2.29	
1.468e+04												
		1.468e+04	-104.20	0.03	0.0	13.2	-563.58	258.83	-2.85	-161.70	-50.96	
1.828e+04												
						26.4	-563.58	232.32	-2.85	-161.70	-104.20	
2.152e+04												
55	104	-2.053e+04	63.01	0.01	-53.02	0.0	159.20	-805.97	4.52	131.14	-29.04	-
2.053e+04												
		-4.254e+04	-29.04	-0.03	0.0	13.2	159.20	-832.48	4.52	131.14	16.98	-
3.136e+04												
						26.4	159.20	-858.98	4.52	131.14	63.01	-
4.254e+04												
55	105	2.507e+04	11.08	-0.01	-53.02	0.0	-283.95	336.04	-4.12	-180.21	11.08	
1.690e+04												
		1.690e+04	-70.24	0.03	0.0	13.2	-283.95	309.54	-4.12	-180.21	-29.58	
2.116e+04												
						26.4	-283.95	283.03	-4.12	-180.21	-70.24	
2.507e+04												
55	106	-1.831e+04	96.97	0.01	-53.02	0.0	438.83	-755.26	3.26	112.63	-20.25	-
1.831e+04												
		-3.899e+04	-20.25	-0.02	0.0	13.2	438.83	-781.77	3.26	112.63	38.36	-
2.847e+04												
						26.4	438.83	-808.28	3.26	112.63	96.97	-
3.899e+04												
56	1	370.77	-0.42	-0.02	-29.15	0.0	0.89	14.79	-1.50e-03	-3.28	-0.42	-12.16
		-12.16	-0.57	4.92e-03	0.0	51.0	0.89	0.22	-1.50e-03	-3.28	-0.49	370.77
						102.0	0.89	-14.35	-1.50e-03	-3.28	-0.57	10.48
56	2	370.65	-0.89	-0.04	-29.15	0.0	4.08	15.43	-0.03	-15.52	-0.89	-44.52
		-44.52	-3.63	4.43e-03	0.0	51.0	4.08	0.85	-0.03	-15.52	-2.26	370.65
						102.0	4.08	-13.72	-0.03	-15.52	-3.63	42.59
56	3	285.21	-0.31	-0.01	-22.42	0.0	0.62	11.37	-6.78e-04	-2.29	-0.31	-8.75
		-8.75	-0.38	3.80e-03	0.0	51.0	0.62	0.16	-6.78e-04	-2.29	-0.35	285.21
						102.0	0.62	-11.05	-6.78e-04	-2.29	-0.38	7.45
56	4	285.66	-0.78	-0.04	-22.42	0.0	3.81	12.00	-0.03	-14.53	-0.78	-41.10
		-41.10	-3.44	3.31e-03	0.0	51.0	3.81	0.79	-0.03	-14.53	-2.11	285.09
						102.0	3.81	-10.42	-0.03	-14.53	-3.44	39.57
56	5	285.21	-0.32	-0.01	-22.42	0.0	0.66	11.38	-9.48e-04	-2.42	-0.32	-9.09
		-9.09	-0.41	3.79e-03	0.0	51.0	0.66	0.17	-9.48e-04	-2.42	-0.36	285.21
						102.0	0.66	-11.04	-9.48e-04	-2.42	-0.41	7.80
56	6	285.13	-0.63	-0.03	-22.42	0.0	2.79	11.80	-0.02	-10.58	-0.63	-30.66
		-30.66	-2.45	3.47e-03	0.0	51.0	2.79	0.59	-0.02	-10.58	-1.54	285.13
						102.0	2.79	-10.62	-0.02	-10.58	-2.45	29.21
56	7	285.21	-0.32	-0.01	-22.42	0.0	0.66	11.38	-9.48e-04	-2.42	-0.32	-9.09
		-9.09	-0.41	3.79e-03	0.0	51.0	0.66	0.17	-9.48e-04	-2.42	-0.36	285.21
						102.0	0.66	-11.04	-9.48e-04	-2.42	-0.41	7.80
56	8	285.15	-0.54	-0.03	-22.42	0.0	2.15	11.67	-0.01	-8.13	-0.54	-24.19
		-24.19	-1.84	3.56e-03	0.0	51.0	2.15	0.46	-0.01	-8.13	-1.19	285.15
						102.0	2.15	-10.75	-0.01	-8.13	-1.84	22.78
56	9	285.21	-0.32	-0.01	-22.42	0.0	0.66	11.38	-9.48e-04	-2.42	-0.32	-9.09
		-9.09	-0.41	3.79e-03	0.0	51.0	0.66	0.17	-9.48e-04	-2.42	-0.36	285.21

						102.0	0.66	-11.04	-9.48e-04	-2.42	-0.41	7.80
56	10	285.16	-0.51	-0.02	-22.42	0.0	1.93	11.63	-0.01	-7.32	-0.51	-22.03
		-22.03	-1.64	3.60e-03	0.0	51.0	1.93	0.42	-0.01	-7.32	-1.07	285.16
						102.0	1.93	-10.79	-0.01	-7.32	-1.64	20.64
56	11	284.93	4.06	-0.11	-22.42	0.0	12.94	10.72	0.22	-5.42	-18.82	24.03
		-25.88	-18.82	0.57	0.0	51.0	12.94	-0.49	0.22	-5.42	-7.38	284.93
						102.0	12.94	-11.70	0.22	-5.42	4.06	-25.88
56	12	285.03	-0.45	0.09	-22.42	0.0	7.33	11.49	0.08	-14.91	-8.72	-14.93
		-14.93	-8.72	0.49	0.0	51.0	7.33	0.28	0.08	-14.91	-4.59	285.03
						102.0	7.33	-10.93	0.08	-14.91	-0.45	13.29
56	13	285.28	7.71	-0.14	-22.42	0.0	-3.46	11.77	-0.10	0.28	7.71	-29.13
		-29.13	-2.82	-0.48	0.0	51.0	-3.46	0.56	-0.10	0.28	2.44	285.28
						102.0	-3.46	-10.65	-0.10	0.28	-2.82	27.99
56	14	289.37	17.81	0.06	-22.42	0.0	-9.07	12.54	-0.25	-9.22	17.81	-68.10
		-68.10	-7.33	-0.57	0.0	51.0	-9.07	1.33	-0.25	-9.22	5.24	285.39
						102.0	-9.07	-9.88	-0.25	-9.22	-7.33	67.17
56	15	284.91	4.50	-0.11	-22.42	0.0	13.55	10.67	0.24	-5.06	-20.22	26.82
		-28.71	-20.22	0.58	0.0	51.0	13.55	-0.54	0.24	-5.06	-7.86	284.91
						102.0	13.55	-11.75	0.24	-5.06	4.50	-28.71
56	16	285.05	-0.89	0.10	-22.42	0.0	6.72	11.54	0.06	-15.28	-7.33	-17.72
		-17.72	-7.33	0.48	0.0	51.0	6.72	0.33	0.06	-15.28	-4.11	285.05
						102.0	6.72	-10.88	0.06	-15.28	-0.89	16.12
56	17	285.27	6.31	-0.15	-22.42	0.0	-2.85	11.71	-0.09	0.64	6.31	-26.34
		-26.34	-2.38	-0.47	0.0	51.0	-2.85	0.51	-0.09	0.64	1.97	285.27
						102.0	-2.85	-10.70	-0.09	0.64	-2.38	25.17
56	18	289.74	19.21	0.07	-22.42	0.0	-9.68	12.59	-0.26	-9.58	19.21	-70.89
		-70.89	-7.77	-0.58	0.0	51.0	-9.68	1.38	-0.26	-9.58	5.72	285.40
						102.0	-9.68	-9.83	-0.26	-9.58	-7.77	69.99
56	19	284.90	-1.28	-0.20	-22.42	0.0	19.74	10.71	0.25	-5.13	-22.83	24.47
		-26.37	-22.83	0.14	0.0	51.0	19.74	-0.50	0.25	-5.13	-12.06	284.90
						102.0	19.74	-11.71	0.25	-5.13	-1.28	-26.37
56	20	285.01	-5.79	-1.47e-03	-22.42	0.0	14.13	11.48	0.10	-14.62	-12.74	-14.50
		-14.50	-12.74	0.06	0.0	51.0	14.13	0.27	0.10	-14.62	-9.26	285.01
						102.0	14.13	-10.94	0.10	-14.62	-5.79	12.80
56	21	285.31	11.72	-0.05	-22.42	0.0	-10.27	11.78	-0.13	-0.01	11.72	-29.57
		-29.57	2.52	-0.05	0.0	51.0	-10.27	0.57	-0.13	-0.01	7.12	285.31
						102.0	-10.27	-10.64	-0.13	-0.01	2.52	28.48
56	22	289.46	21.82	0.15	-22.42	0.0	-15.87	12.55	-0.27	-9.51	21.82	-68.54
		-68.54	-2.00	-0.13	0.0	51.0	-15.87	1.34	-0.27	-9.51	9.91	285.41
						102.0	-15.87	-9.87	-0.27	-9.51	-2.00	67.66
56	23	284.88	-0.84	-0.21	-22.42	0.0	20.35	10.66	0.26	-4.77	-24.23	27.26
		-29.20	-24.23	0.15	0.0	51.0	20.35	-0.55	0.26	-4.77	-12.53	284.88
						102.0	20.35	-11.76	0.26	-4.77	-0.84	-29.20
56	24	285.02	-6.23	6.27e-03	-22.42	0.0	13.52	11.53	0.09	-14.98	-11.34	-17.29
		-17.29	-11.34	0.05	0.0	51.0	13.52	0.32	0.09	-14.98	-8.78	285.02
						102.0	13.52	-10.89	0.09	-14.98	-6.23	15.63
56	25	285.29	10.33	-0.05	-22.42	0.0	-9.66	11.72	-0.11	0.35	10.33	-26.78
		-26.78	2.96	-0.04	0.0	51.0	-9.66	0.51	-0.11	0.35	6.64	285.29
						102.0	-9.66	-10.70	-0.11	0.35	2.96	25.66
56	26	289.83	23.22	0.16	-22.42	0.0	-16.48	12.60	-0.29	-9.87	23.22	-71.33
		-71.33	-2.44	-0.14	0.0	51.0	-16.48	1.39	-0.29	-9.87	10.39	285.43
						102.0	-16.48	-9.82	-0.29	-9.87	-2.44	70.48
56	27	286.94	6.92	-0.35	-22.42	0.0	13.74	10.19	0.27	7.65	-21.32	50.89
		-52.73	-21.32	0.30	0.0	51.0	13.74	-1.02	0.27	7.65	-7.20	284.93
						102.0	13.74	-12.23	0.27	7.65	6.92	-52.73
56	28	290.61	12.35	0.31	-22.42	0.0	-4.95	12.75	-0.20	-24.00	12.35	-79.01
		-79.01	-8.12	0.03	0.0	51.0	-4.95	1.54	-0.20	-24.00	2.11	285.28
						102.0	-4.95	-9.67	-0.20	-24.00	-8.12	77.85
56	29	285.04	4.85	-0.36	-22.42	0.0	8.82	10.51	0.18	9.36	-13.36	34.94
		-36.56	-13.36	-0.02	0.0	51.0	8.82	-0.70	0.18	9.36	-4.25	285.04
						102.0	8.82	-11.91	0.18	9.36	4.85	-36.56
56	30	292.73	20.31	0.30	-22.42	0.0	-9.87	13.06	-0.30	-22.29	20.31	-94.96
		-94.96	-10.19	-0.29	0.0	51.0	-9.87	1.85	-0.30	-22.29	5.06	285.38
						102.0	-9.87	-9.36	-0.30	-22.29	-10.19	94.01
56	31	286.95	5.31	-0.38	-22.42	0.0	15.78	10.19	0.28	7.74	-22.52	51.02
		-52.87	-22.52	0.17	0.0	51.0	15.78	-1.02	0.28	7.74	-8.60	284.93
						102.0	15.78	-12.23	0.28	7.74	5.31	-52.87
56	32	290.59	11.14	0.28	-22.42	0.0	-2.91	12.74	-0.19	-23.91	11.14	-78.88
		-78.88	-9.72	-0.10	0.0	51.0	-2.91	1.54	-0.19	-23.91	0.71	285.27
						102.0	-2.91	-9.67	-0.19	-23.91	-9.72	77.70
56	33	285.05	6.45	-0.33	-22.42	0.0	6.78	10.51	0.17	9.28	-12.15	34.81
		-36.42	-12.15	0.11	0.0	51.0	6.78	-0.70	0.17	9.28	-2.85	285.05

						102.0	6.78	-11.91	0.17	9.28	6.45 -36.42
56	34	292.75	21.51	0.33	-22.42	0.0	-11.91	13.07	-0.30	-22.38	21.51 -95.09
		-95.09	-8.59	-0.16	0.0	51.0	-11.91	1.86	-0.30	-22.38	6.46285.39
						102.0	-11.91	-9.35	-0.30	-22.38	-8.59 94.16
56	35	288.05	8.39	-0.38	-22.42	0.0	15.77	10.01	0.33	8.86	-25.97 60.18
		-62.14	-25.97	0.33	0.0	51.0	15.77	-1.20	0.33	8.86	-8.79284.87
						102.0	15.77	-12.41	0.33	8.86	8.39 -62.14
56	36	291.84	17.00	0.34	-22.42	0.0	-6.98	12.93	-0.26	-25.20	17.00 -88.30
		-88.30	-9.59	-8.93e-03	0.0	51.0	-6.98	1.72	-0.26	-25.20	3.70285.34
						102.0	-6.98	-9.49	-0.26	-25.20	-9.59 87.27
56	37	286.15	6.32	-0.39	-22.42	0.0	10.85	10.33	0.24	10.57	-18.01 44.23
		-45.98	-18.01	0.02	0.0	51.0	10.85	-0.88	0.24	10.57	-5.85284.98
						102.0	10.85	-12.09	0.24	10.57	6.32 -45.98
56	38	293.96	24.96	0.33	-22.42	0.0	-11.90	13.25	-0.36	-23.49	24.96 -
104.25											
		-104.25	-11.66	-0.33	0.0	51.0	-11.90	2.04	-0.36	-23.49	6.65285.44
						102.0	-11.90	-9.17	-0.36	-23.49	-11.66103.43
56	39	288.06	6.78	-0.40	-22.42	0.0	17.81	10.01	0.34	8.95	-27.18 60.31
		-62.29	-27.18	0.20	0.0	51.0	17.81	-1.20	0.34	8.95	-10.20284.87
						102.0	17.81	-12.41	0.34	8.95	6.78 -62.29
56	40	291.82	15.80	0.31	-22.42	0.0	-4.94	12.93	-0.25	-25.12	15.80 -88.17
		-88.17	-11.19	-0.14	0.0	51.0	-4.94	1.72	-0.25	-25.12	2.30285.33
						102.0	-4.94	-9.49	-0.25	-25.12	-11.19 87.12
56	41	286.14	7.92	-0.36	-22.42	0.0	8.81	10.33	0.23	10.48	-16.81 44.10
		-45.84	-16.81	0.15	0.0	51.0	8.81	-0.88	0.23	10.48	-4.44284.99
						102.0	8.81	-12.09	0.23	10.48	7.92 -45.84
56	42	293.98	26.17	0.36	-22.42	0.0	-13.94	13.25	-0.36	-23.58	26.17 -
104.38											
		-104.38	-10.06	-0.20	0.0	51.0	-13.94	2.04	-0.36	-23.58	8.05285.45
						102.0	-13.94	-9.17	-0.36	-23.58	-10.06103.58
56	43	284.98	2.87	-0.09	-22.42	0.0	10.60	10.91	0.17	-5.77	-14.98 14.46
		-16.21	-14.98	0.45	0.0	51.0	10.60	-0.30	0.17	-5.77	-6.06284.98
						102.0	10.60	-11.51	0.17	-5.77	2.87 -16.21
56	44	285.06	-0.70	0.07	-22.42	0.0	6.21	11.52	0.06	-13.29	-7.00 -16.43
		-16.43	-7.00	0.39	0.0	51.0	6.21	0.31	0.06	-13.29	-3.85285.06
						102.0	6.21	-10.90	0.06	-13.29	-0.70 14.83
56	45	285.26	5.99	-0.12	-22.42	0.0	-2.34	11.74	-0.08	-1.34	5.99 -27.64
		-27.64	-2.57	-0.38	0.0	51.0	-2.34	0.53	-0.08	-1.34	1.71285.26
						102.0	-2.34	-10.68	-0.08	-1.34	-2.57 26.45
56	46	288.12	13.97	0.04	-22.42	0.0	-6.73	12.35	-0.20	-8.87	13.97 -58.53
		-58.53	-6.14	-0.45	0.0	51.0	-6.73	1.14	-0.20	-8.87	3.91285.34
						102.0	-6.73	-10.07	-0.20	-8.87	-6.14 57.50
56	47	284.96	3.22	-0.10	-22.42	0.0	11.09	10.87	0.19	-5.48	-16.09 16.67
		-18.45	-16.09	0.46	0.0	51.0	11.09	-0.34	0.19	-5.48	-6.43284.96
						102.0	11.09	-11.55	0.19	-5.48	3.22 -18.45
56	48	285.07	-1.05	0.07	-22.42	0.0	5.72	11.56	0.05	-13.58	-5.89 -18.64
		-18.64	-5.89	0.38	0.0	51.0	5.72	0.35	0.05	-13.58	-3.47285.07
						102.0	5.72	-10.86	0.05	-13.58	-1.05 17.07
56	49	285.24	4.88	-0.12	-22.42	0.0	-1.86	11.70	-0.07	-1.06	4.88 -25.43
		-25.43	-2.22	-0.37	0.0	51.0	-1.86	0.49	-0.07	-1.06	1.33285.24
						102.0	-1.86	-10.72	-0.07	-1.06	-2.22 24.21
56	50	288.42	15.08	0.05	-22.42	0.0	-7.22	12.39	-0.21	-9.16	15.08 -60.74
		-60.74	-6.49	-0.46	0.0	51.0	-7.22	1.18	-0.21	-9.16	4.29285.35
						102.0	-7.22	-10.03	-0.21	-9.16	-6.49 59.74
56	51	284.96	-1.33	-0.16	-22.42	0.0	15.99	10.90	0.19	-5.53	-18.16 14.79
		-16.59	-18.16	0.11	0.0	51.0	15.99	-0.31	0.19	-5.53	-9.75284.96
						102.0	15.99	-11.52	0.19	-5.53	-1.33 -16.59
56	52	285.04	-4.90	-5.93e-03	-22.42	0.0	11.60	11.51	0.08	-13.06	-10.18 -16.09
		-16.09	-10.18	0.05	0.0	51.0	11.60	0.30	0.08	-13.06	-7.54285.04
						102.0	11.60	-10.91	0.08	-13.06	-4.90 14.46
56	53	285.28	9.17	-0.04	-22.42	0.0	-7.73	11.75	-0.10	-1.58	9.17 -27.98
		-27.98	1.63	-0.04	0.0	51.0	-7.73	0.54	-0.10	-1.58	5.40285.28
						102.0	-7.73	-10.67	-0.10	-1.58	1.63 26.83
56	54	288.19	17.15	0.12	-22.42	0.0	-12.12	12.35	-0.21	-9.11	17.15 -58.86
		-58.86	-1.94	-0.11	0.0	51.0	-12.12	1.14	-0.21	-9.11	7.60285.36
						102.0	-12.12	-10.07	-0.21	-9.11	-1.94 57.87
56	55	284.94	-0.98	-0.17	-22.42	0.0	16.48	10.86	0.21	-5.24	-19.27 17.00
		-18.83	-19.27	0.12	0.0	51.0	16.48	-0.35	0.21	-5.24	-10.13284.94
						102.0	16.48	-11.56	0.21	-5.24	-0.98 -18.83
56	56	285.05	-5.25	2.02e-04	-22.42	0.0	11.12	11.55	0.07	-13.34	-9.07 -18.30
		-18.30	-9.07	0.04	0.0	51.0	11.12	0.34	0.07	-13.34	-7.16285.05
						102.0	11.12	-10.87	0.07	-13.34	-5.25 16.70

56	57	285.27	8.06	-0.05	-22.42	0.0	-7.25	11.70	-0.09	-1.29	8.06 -25.77
		-25.77	1.98	-0.03	0.0	51.0	-7.25	0.49	-0.09	-1.29	5.02285.27
						102.0	-7.25	-10.72	-0.09	-1.29	1.98 24.59
56	58	288.48	18.26	0.12	-22.42	0.0	-12.61	12.40	-0.23	-9.39	18.26 -61.07
		-61.07	-2.29	-0.11	0.0	51.0	-12.61	1.19	-0.23	-9.39	7.98285.38
						102.0	-12.61	-10.02	-0.23	-9.39	-2.29 60.11
56	59	285.09	5.13	-0.28	-22.42	0.0	11.19	10.49	0.21	4.56	-16.96 35.76
		-37.50	-16.96	0.24	0.0	51.0	11.19	-0.72	0.21	4.56	-5.91284.98
						102.0	11.19	-11.93	0.21	4.56	5.13 -37.50
56	60	289.11	9.65	0.24	-22.42	0.0	-3.44	12.52	-0.16	-20.52	9.65 -67.19
		-67.19	-6.77	0.02	0.0	51.0	-3.44	1.31	-0.16	-20.52	1.44285.25
						102.0	-3.44	-9.90	-0.16	-20.52	-6.77 65.99
56	61	285.07	3.50	-0.29	-22.42	0.0	7.31	10.74	0.14	5.89	-10.67 23.13
		-24.70	-10.67	-0.01	0.0	51.0	7.31	-0.47	0.14	5.89	-3.58285.07
						102.0	7.31	-11.68	0.14	5.89	3.50 -24.70
56	62	290.78	15.95	0.24	-22.42	0.0	-7.32	12.76	-0.24	-19.20	15.95 -79.82
		-79.82	-8.41	-0.23	0.0	51.0	-7.32	1.56	-0.24	-19.20	3.77285.34
						102.0	-7.32	-9.65	-0.24	-19.20	-8.41 78.79
56	63	285.10	3.87	-0.30	-22.42	0.0	12.81	10.49	0.22	4.63	-17.91 35.86
		-37.62	-17.91	0.13	0.0	51.0	12.81	-0.72	0.22	4.63	-7.02284.97
						102.0	12.81	-11.93	0.22	4.63	3.87 -37.62
56	64	289.09	8.70	0.22	-22.42	0.0	-1.82	12.51	-0.15	-20.45	8.70 -67.09
		-67.09	-8.03	-0.08	0.0	51.0	-1.82	1.30	-0.15	-20.45	0.33285.24
						102.0	-1.82	-9.91	-0.15	-20.45	-8.03 65.88
56	65	285.07	4.76	-0.27	-22.42	0.0	5.69	10.74	0.13	5.82	-9.71 23.03
		-24.59	-9.71	0.09	0.0	51.0	5.69	-0.47	0.13	5.82	-2.47285.07
						102.0	5.69	-11.68	0.13	5.82	4.76 -24.59
56	66	290.80	16.90	0.26	-22.42	0.0	-8.94	12.77	-0.24	-19.27	16.90 -79.92
		-79.92	-7.15	-0.13	0.0	51.0	-8.94	1.56	-0.24	-19.27	4.88285.34
						102.0	-8.94	-9.65	-0.24	-19.27	-7.15 78.90
56	67	285.97	6.30	-0.30	-22.42	0.0	12.82	10.35	0.26	5.52	-20.65 43.12
		-44.96	-20.65	0.26	0.0	51.0	12.82	-0.86	0.26	5.52	-7.18284.93
						102.0	12.82	-12.07	0.26	5.52	6.30 -44.96
56	68	290.08	13.35	0.26	-22.42	0.0	-5.06	12.66	-0.21	-21.48	13.35 -74.56
		-74.56	-7.94	-6.49e-03	0.0	51.0	-5.06	1.45	-0.21	-21.48	2.70285.30
						102.0	-5.06	-9.76	-0.21	-21.48	-7.94 73.45
56	69	285.02	4.67	-0.31	-22.42	0.0	8.93	10.60	0.18	6.84	-14.36 30.49
		-32.16	-14.36	0.01	0.0	51.0	8.93	-0.61	0.18	6.84	-4.85285.02
						102.0	8.93	-11.82	0.18	6.84	4.67 -32.16
56	70	291.76	19.64	0.26	-22.42	0.0	-8.95	12.91	-0.28	-20.15	19.64 -87.19
		-87.19	-9.57	-0.26	0.0	51.0	-8.95	1.70	-0.28	-20.15	5.03285.38
						102.0	-8.95	-9.51	-0.28	-20.15	-9.57 86.25
56	71	285.98	5.04	-0.33	-22.42	0.0	14.43	10.34	0.27	5.59	-21.60 43.22
		-45.08	-21.60	0.16	0.0	51.0	14.43	-0.87	0.27	5.59	-8.28284.93
						102.0	14.43	-12.08	0.27	5.59	5.04 -45.08
56	72	290.06	12.39	0.24	-22.42	0.0	-3.45	12.66	-0.20	-21.41	12.39 -74.46
		-74.46	-9.20	-0.11	0.0	51.0	-3.45	1.45	-0.20	-21.41	1.60285.29
						102.0	-3.45	-9.76	-0.20	-21.41	-9.20 73.34
56	73	285.02	5.93	-0.29	-22.42	0.0	7.31	10.60	0.18	6.77	-13.40 30.39
		-32.05	-13.40	0.12	0.0	51.0	7.31	-0.61	0.18	6.77	-3.74285.02
						102.0	7.31	-11.82	0.18	6.77	5.93 -32.05
56	74	291.78	20.59	0.28	-22.42	0.0	-10.56	12.91	-0.29	-20.22	20.59 -87.29
		-87.29	-8.31	-0.15	0.0	51.0	-10.56	1.70	-0.29	-20.22	6.14285.39
						102.0	-10.56	-9.51	-0.29	-20.22	-8.31 86.36
56	75	285.01	2.09	-0.08	-22.42	0.0	9.10	11.03	0.14	-6.04	-12.48 8.13
		-9.82	-12.48	0.38	0.0	51.0	9.10	-0.18	0.14	-6.04	-5.19285.01
						102.0	9.10	-11.39	0.14	-6.04	2.09 -9.82
56	76	285.08	-0.86	0.05	-22.42	0.0	5.47	11.54	0.05	-12.26	-5.88 -17.40
		-17.40	-5.88	0.32	0.0	51.0	5.47	0.33	0.05	-12.26	-3.37285.08
						102.0	5.47	-10.88	0.05	-12.26	-0.86 15.84
56	77	285.24	4.87	-0.10	-22.42	0.0	-1.60	11.72	-0.07	-2.38	4.87 -26.67
		-26.67	-2.41	-0.32	0.0	51.0	-1.60	0.51	-0.07	-2.38	1.23285.24
						102.0	-1.60	-10.70	-0.07	-2.38	-2.41 25.44
56	78	287.30	11.47	0.03	-22.42	0.0	-5.24	12.22	-0.16	-8.60	11.47 -52.19
		-52.19	-5.36	-0.37	0.0	51.0	-5.24	1.01	-0.16	-8.60	3.05285.31
						102.0	-5.24	-10.20	-0.16	-8.60	-5.36 51.10
56	79	285.00	2.38	-0.08	-22.42	0.0	9.51	11.00	0.15	-5.80	-13.39 9.95
		-11.67	-13.39	0.38	0.0	51.0	9.51	-0.21	0.15	-5.80	-5.51285.00
						102.0	9.51	-11.42	0.15	-5.80	2.38 -11.67
56	80	285.09	-1.15	0.06	-22.42	0.0	5.07	11.57	0.04	-12.50	-4.96 -19.22
		-19.22	-4.96	0.32	0.0	51.0	5.07	0.36	0.04	-12.50	-3.06285.09
						102.0	5.07	-10.85	0.04	-12.50	-1.15 17.69

56	81	285.23	3.95	-0.10	-22.42	0.0	-1.20	11.68	-0.06	-2.14	3.95 -24.84
		-24.84	-2.12	-0.31	0.0	51.0	-1.20	0.47	-0.06	-2.14	0.92285.23
						102.0	-1.20	-10.73	-0.06	-2.14	-2.12 23.59
56	82	287.54	12.38	0.04	-22.42	0.0	-5.64	12.26	-0.18	-8.83	12.38 -54.02
		-54.02	-5.65	-0.38	0.0	51.0	-5.64	1.05	-0.18	-8.83	3.37285.32
						102.0	-5.64	-10.16	-0.18	-8.83	-5.65 52.95
56	83	284.99	-1.39	-0.14	-22.42	0.0	13.56	11.03	0.16	-5.84	-15.10 8.40
		-10.13	-15.10	0.09	0.0	51.0	13.56	-0.18	0.16	-5.84	-8.24284.99
						102.0	13.56	-11.39	0.16	-5.84	-1.39 -10.13
56	84	285.06	-4.34	-9.05e-03	-22.42	0.0	9.93	11.53	0.06	-12.06	-8.50 -17.12
		-17.12	-8.50	0.04	0.0	51.0	9.93	0.32	0.06	-12.06	-6.42285.06
						102.0	9.93	-10.89	0.06	-12.06	-4.34 15.53
56	85	285.26	7.49	-0.04	-22.42	0.0	-6.06	11.73	-0.09	-2.57	7.49 -26.95
		-26.95	1.07	-0.03	0.0	51.0	-6.06	0.52	-0.09	-2.57	4.28285.26
						102.0	-6.06	-10.69	-0.09	-2.57	1.07 25.76
56	86	287.35	14.09	0.09	-22.42	0.0	-9.69	12.23	-0.18	-8.79	14.09 -52.47
		-52.47	-1.89	-0.09	0.0	51.0	-9.69	1.02	-0.18	-8.79	6.10285.33
						102.0	-9.69	-10.19	-0.18	-8.79	-1.89 51.41
56	87	284.98	-1.10	-0.14	-22.42	0.0	13.96	10.99	0.17	-5.61	-16.02 10.23
		-11.98	-16.02	0.10	0.0	51.0	13.96	-0.22	0.17	-5.61	-8.56284.98
						102.0	13.96	-11.43	0.17	-5.61	-1.10 -11.98
56	88	285.07	-4.63	-3.98e-03	-22.42	0.0	9.52	11.57	0.05	-12.30	-7.59 -18.95
		-18.95	-7.59	0.03	0.0	51.0	9.52	0.36	0.05	-12.30	-6.11285.07
						102.0	9.52	-10.85	0.05	-12.30	-4.63 17.38
56	89	285.25	6.58	-0.04	-22.42	0.0	-5.66	11.69	-0.07	-2.34	6.58 -25.12
		-25.12	1.36	-0.03	0.0	51.0	-5.66	0.48	-0.07	-2.34	3.97285.25
						102.0	-5.66	-10.73	-0.07	-2.34	1.36 23.91
56	90	287.59	15.01	0.10	-22.42	0.0	-10.09	12.26	-0.19	-9.03	15.01 -54.30
		-54.30	-2.18	-0.09	0.0	51.0	-10.09	1.05	-0.19	-9.03	6.42285.34
						102.0	-10.09	-10.16	-0.19	-9.03	-2.18 53.26
56	91	285.01	3.96	-0.24	-22.42	0.0	9.59	10.69	0.18	2.50	-14.11 25.72
		-27.41	-14.11	0.20	0.0	51.0	9.59	-0.52	0.18	2.50	-5.07285.01
						102.0	9.59	-11.73	0.18	2.50	3.96 -27.41
56	92	288.11	7.89	0.20	-22.42	0.0	-2.51	12.36	-0.13	-18.23	7.89 -59.35
		-59.35	-5.88	0.02	0.0	51.0	-2.51	1.15	-0.13	-18.23	1.00285.23
						102.0	-2.51	-10.06	-0.13	-18.23	-5.88 58.12
56	93	285.08	2.61	-0.24	-22.42	0.0	6.38	10.90	0.11	3.60	-8.90 15.29
		-16.83	-8.90	-0.01	0.0	51.0	6.38	-0.31	0.11	3.60	-3.15285.08
						102.0	6.38	-11.52	0.11	3.60	2.61 -16.83
56	94	289.49	13.09	0.19	-22.42	0.0	-5.72	12.57	-0.20	-17.13	13.09 -69.79
		-69.79	-7.23	-0.19	0.0	51.0	-5.72	1.36	-0.20	-17.13	2.93285.30
						102.0	-5.72	-9.85	-0.20	-17.13	-7.23 68.69
56	95	285.01	2.92	-0.26	-22.42	0.0	10.93	10.69	0.18	2.56	-14.89 25.81
		-27.50	-14.89	0.11	0.0	51.0	10.93	-0.52	0.18	2.56	-5.99285.01
						102.0	10.93	-11.73	0.18	2.56	2.92 -27.50
56	96	288.09	7.10	0.18	-22.42	0.0	-1.18	12.36	-0.13	-18.17	7.10 -59.27
		-59.27	-6.92	-0.07	0.0	51.0	-1.18	1.15	-0.13	-18.17	0.09285.23
						102.0	-1.18	-10.06	-0.13	-18.17	-6.92 58.02
56	97	285.09	3.65	-0.23	-22.42	0.0	5.04	10.90	0.11	3.54	-8.11 15.20
		-16.74	-8.11	0.07	0.0	51.0	5.04	-0.31	0.11	3.54	-2.23285.09
						102.0	5.04	-11.52	0.11	3.54	3.65 -16.74
56	98	289.51	13.88	0.21	-22.42	0.0	-7.06	12.57	-0.20	-17.19	13.88 -69.88
		-69.88	-6.19	-0.10	0.0	51.0	-7.06	1.36	-0.20	-17.19	3.85285.31
						102.0	-7.06	-9.85	-0.20	-17.19	-6.19 68.79
56	99	284.97	4.92	-0.25	-22.42	0.0	10.93	10.57	0.21	3.29	-17.16 31.81
		-33.58	-17.16	0.22	0.0	51.0	10.93	-0.64	0.21	3.29	-6.12284.97
						102.0	10.93	-11.85	0.21	3.29	4.92 -33.58
56	100	288.92	10.94	0.21	-22.42	0.0	-3.85	12.48	-0.17	-19.02	10.94 -65.44
		-65.44	-6.84	-4.69e-03	0.0	51.0	-3.85	1.27	-0.17	-19.02	2.05285.27
						102.0	-3.85	-9.94	-0.17	-19.02	-6.84 64.28
56	101	285.04	3.57	-0.26	-22.42	0.0	7.72	10.77	0.15	4.39	-11.95 21.37
		-23.00	-11.95	0.01	0.0	51.0	7.72	-0.43	0.15	4.39	-4.19285.04
						102.0	7.72	-11.64	0.15	4.39	3.57 -23.00
56	102	290.30	16.15	0.21	-22.42	0.0	-7.06	12.69	-0.24	-17.92	16.15 -75.88
		-75.88	-8.19	-0.21	0.0	51.0	-7.06	1.48	-0.24	-17.92	3.98285.34
						102.0	-7.06	-9.73	-0.24	-17.92	-8.19 74.86
56	103	284.97	3.88	-0.27	-22.42	0.0	12.27	10.57	0.22	3.35	-17.94 31.89
		-33.67	-17.94	0.13	0.0	51.0	12.27	-0.64	0.22	3.35	-7.03284.97
						102.0	12.27	-11.85	0.22	3.35	3.88 -33.67
56	104	288.90	10.15	0.20	-22.42	0.0	-2.52	12.48	-0.17	-18.96	10.15 -65.36
		-65.36	-7.89	-0.09	0.0	51.0	-2.52	1.27	-0.17	-18.96	1.13285.27
						102.0	-2.52	-9.94	-0.17	-18.96	-7.89 64.19

56	105	285.05	4.62	-0.24	-22.42	0.0	6.38	10.78	0.15	4.33	-11.17	21.29
		-22.90	-11.17	0.10	0.0	51.0	6.38	-0.43	0.15	4.33	-3.28	285.05
						102.0	6.38	-11.64	0.15	4.33	4.62	-22.90
56	106	290.32	16.93	0.23	-22.42	0.0	-8.40	12.69	-0.24	-17.98	16.93	-75.96
		-75.96	-7.15	-0.13	0.0	51.0	-8.40	1.48	-0.24	-17.98	4.89	285.35
						102.0	-8.40	-9.73	-0.24	-17.98	-7.15	74.95
58	1	-1881.17	149.39	-6.77e-03	-73.60	0.0	-29.83	42.24	-3.31	10.49	149.39	-
3634.91												
		-3634.91	-329.26	0.01	0.0	72.4	-60.08	5.43	-3.31	10.49	-89.94	-
1909.53												
						144.8	-90.32	-31.37	-3.31	10.49	-329.26	-
2848.08												
58	2	-3540.59	696.85	-0.02	-501.42	0.0	32.80	268.51	-15.88	59.01	696.85	-
1.392e+04												
		-1.392e+04	-1602.46	0.04	0.0	72.4	-173.25	17.79	-15.88	59.01	-452.80	-
3559.81												
						144.8	-379.30	-232.92	-15.88	59.01	-1602.46	-
1.135e+04												
58	3	-1415.74	104.58	-5.01e-03	-48.54	0.0	-24.13	28.22	-2.31	7.16	104.58	-
2601.95												
		-2601.95	-229.25	8.42e-03	0.0	72.4	-44.08	3.95	-2.31	7.16	-62.33	-
1437.73												
						144.8	-64.03	-20.32	-2.31	7.16	-229.25	-
2030.46												
58	4	-3075.16	652.04	-0.02	-476.37	0.0	38.50	254.49	-14.88	55.68	652.04	-
1.289e+04												
		-1.289e+04	-1502.44	0.04	0.0	72.4	-157.25	16.31	-14.88	55.68	-425.20	-
3088.00												
						144.8	-353.00	-221.88	-14.88	55.68	-1502.44	-
1.053e+04												
58	5	-1433.44	110.42	-5.12e-03	-53.11	0.0	-23.46	30.63	-2.44	7.67	110.42	-
2711.68												
		-2711.68	-242.83	8.74e-03	0.0	72.4	-45.29	4.08	-2.44	7.67	-66.21	-
1455.33												
						144.8	-67.11	-22.47	-2.44	7.67	-242.83	-
2121.10												
58	6	-2539.72	475.39	-0.01	-338.32	0.0	18.29	181.48	-10.82	40.02	475.39	-
9569.80												
		-9569.80	-1091.63	0.03	0.0	72.4	-120.73	12.32	-10.82	40.02	-308.12	-
2555.51												
						144.8	-259.76	-156.84	-10.82	40.02	-1091.63	-
7786.44												
58	7	-1433.44	110.42	-5.12e-03	-53.11	0.0	-23.46	30.63	-2.44	7.67	110.42	-
2711.68												
		-2711.68	-242.83	8.74e-03	0.0	72.4	-45.29	4.08	-2.44	7.67	-66.21	-
1455.33												
						144.8	-67.11	-22.47	-2.44	7.67	-242.83	-
2121.10												
58	8	-2207.83	365.90	-9.90e-03	-252.76	0.0	5.77	136.22	-8.31	30.32	365.90	-
7512.36												
		-7512.36	-836.99	0.02	0.0	72.4	-98.10	9.85	-8.31	30.32	-235.54	-
2225.46												
						144.8	-201.96	-116.53	-8.31	30.32	-836.99	-
6086.84												
58	9	-1433.44	110.42	-5.12e-03	-53.11	0.0	-23.46	30.63	-2.44	7.67	110.42	-
2711.68												
		-2711.68	-242.83	8.74e-03	0.0	72.4	-45.29	4.08	-2.44	7.67	-66.21	-
1455.33												
						144.8	-67.11	-22.47	-2.44	7.67	-242.83	-
2121.10												
58	10	-2097.21	329.40	-9.22e-03	-224.24	0.0	1.59	121.14	-7.47	27.08	329.40	-
6826.55												
		-6826.55	-752.11	0.02	0.0	72.4	-90.55	9.02	-7.47	27.08	-211.35	-
2115.44												
						144.8	-182.70	-103.10	-7.47	27.08	-752.11	-
5520.31												
58	11	-4.265e+04	1449.60	-0.12	-224.24	0.0	-984.67	79.06	-34.23	92.42	1449.60	-
4.779e+04												
		-4.779e+04	-3504.12	0.06	0.0	72.4	-1076.81	-33.05	-34.23	92.42	-1027.26	-
4.271e+04												
						144.8	-1168.95	-145.17	-34.23	92.42	-3504.12	-
4.576e+04												

58	12	-1.153e+04	1800.91	-0.10	-224.24	0.0	-108.12	30.79	-42.09	142.63	1800.91	-1.364e+04
		-1.817e+04	-4294.66	-0.12	0.0	72.4	-200.27	-81.33	-42.09	142.63	-1246.88	-1.184e+04
						144.8	-292.41	-193.44	-42.09	142.63	-4294.66	-1.817e+04
58	13	8383.38	2790.45	0.08	-224.24	0.0	111.30	211.49	27.15	-88.46	-1142.10	-16.28
		-16.28	-1142.10	0.16	0.0	72.4	19.16	99.37	27.15	-88.46	824.17	7612.49
						144.8	-72.99	-12.75	27.15	-88.46	2790.45	7125.28
58	14	3.848e+04	1999.90	0.10	-224.24	0.0	987.85	163.22	19.29	-38.25	-790.79	3.413e+04
		3.413e+04	-790.79	-0.02	0.0	72.4	895.70	51.10	19.29	-38.25	604.55	3.848e+04
						144.8	803.56	-61.02	19.29	-38.25	1999.90	3.472e+04
58	15	-4.360e+04	1450.16	-0.12	-224.24	0.0	-1005.56	82.93	-33.98	96.60	1450.16	-4.904e+04
		-4.904e+04	-3467.12	0.06	0.0	72.4	-1097.70	-29.18	-33.98	96.60	-1008.48	-4.370e+04
						144.8	-1189.85	-141.30	-33.98	96.60	-3467.12	-4.647e+04
58	16	-1.048e+04	1800.35	-0.10	-224.24	0.0	-87.23	26.92	-42.34	138.45	1800.35	-1.239e+04
		-1.745e+04	-4331.66	-0.12	0.0	72.4	-179.37	-85.20	-42.34	138.45	-1265.65	-1.086e+04
						144.8	-271.52	-197.31	-42.34	138.45	-4331.66	-1.745e+04
58	17	7533.15	2827.44	0.08	-224.24	0.0	90.41	215.36	27.40	-84.28	-1141.54	-1268.01
		-1268.01	-1141.54	0.16	0.0	72.4	-1.74	103.24	27.40	-84.28	842.95	6628.42
						144.8	-93.88	-8.88	27.40	-84.28	2827.44	6408.88
58	18	3.947e+04	1962.91	0.10	-224.24	0.0	1008.74	159.35	19.04	-42.43	-791.35	3.538e+04
		3.538e+04	-791.35	-0.02	0.0	72.4	916.60	47.23	19.04	-42.43	585.78	3.947e+04
						144.8	824.45	-64.89	19.04	-42.43	1962.91	3.543e+04
58	19	-4.282e+04	1522.36	-0.12	-224.24	0.0	-977.05	80.02	-35.93	96.91	1522.36	-4.812e+04
		-4.812e+04	-3676.78	0.06	0.0	72.4	-1069.20	-32.10	-35.93	96.91	-1077.21	-4.290e+04
						144.8	-1161.34	-144.22	-35.93	96.91	-3676.78	-4.580e+04
58	20	-1.176e+04	1873.66	-0.11	-224.24	0.0	-100.51	31.75	-43.78	147.12	1873.66	-1.397e+04
		-1.821e+04	-4467.33	-0.12	0.0	72.4	-192.65	-80.37	-43.78	147.12	-1296.83	-1.203e+04
						144.8	-284.80	-192.49	-43.78	147.12	-4467.33	-1.821e+04
58	21	8516.69	2963.11	0.09	-224.24	0.0	103.69	210.53	28.84	-92.96	-1214.85	318.38
		318.38	-1214.85	0.17	0.0	72.4	11.54	98.42	28.84	-92.96	874.13	7802.53
						144.8	-80.60	-13.70	28.84	-92.96	2963.11	7170.72
58	22	3.867e+04	2172.56	0.11	-224.24	0.0	980.23	162.26	20.99	-42.75	-863.55	3.447e+04
		3.447e+04	-863.55	-0.02	0.0	72.4	888.09	50.14	20.99	-42.75	654.51	3.867e+04
						144.8	795.95	-61.97	20.99	-42.75	2172.56	3.476e+04
58	23	-4.377e+04	1522.91	-0.12	-224.24	0.0	-997.95	83.89	-35.68	101.09	1522.91	-4.937e+04
		-4.937e+04	-3639.79	0.06	0.0	72.4	-1090.09	-28.23	-35.68	101.09	-1058.44	-4.389e+04
						144.8	-1182.24	-140.35	-35.68	101.09	-3639.79	-4.652e+04
58	24	-1.071e+04	1873.10	-0.11	-224.24	0.0	-79.62	27.88	-44.03	142.94	1873.10	-1.272e+04

		-1.749e+04	-4504.32	-0.12	0.0	72.4	-171.76	-84.24	-44.03	142.94	-1315.61	-1.105e+04
						144.8	-263.90	-196.36	-44.03	142.94	-4504.32	-1.749e+04
58	25	7650.89	3000.11	0.09	-224.24	0.0	82.79	214.40	29.09	-88.78	-1214.29	-933.36
		-933.36	-1214.29	0.16	0.0	72.4	-9.35	102.29	29.09	-88.78	892.91	6818.47
						144.8	-101.49	-9.83	29.09	-88.78	3000.11	6454.32
58	26	3.966e+04	2135.57	0.11	-224.24	0.0	1001.13	158.39	20.74	-46.93	-864.10	3.572e+04
		3.548e+04	-864.10	-0.02	0.0	72.4	908.98	46.27	20.74	-46.93	635.73	3.966e+04
						144.8	816.84	-65.84	20.74	-46.93	2135.57	3.548e+04
58	27	-5.909e+04	132.65	-0.07	-224.24	0.0	-1623.71	181.73	-3.58	-29.46	132.65	-7.091e+04
		-7.091e+04	-378.72	0.31	0.0	72.4	-1715.86	69.61	-3.58	-29.46	-123.03	-6.111e+04
						144.8	-1808.00	-42.51	-3.58	-29.46	-378.72	-5.944e+04
58	28	4.345e+04	1303.67	-0.04	-224.24	0.0	1298.10	20.82	-29.77	137.89	1303.67	4.292e+04
		3.253e+04	-3013.87	-0.30	0.0	72.4	1205.96	-91.29	-29.77	137.89	-855.10	4.179e+04
						144.8	1113.82	-203.41	-29.77	137.89	-3013.87	3.253e+04
58	29	-4.342e+04	1509.65	0.04	-224.24	0.0	-1294.92	221.46	14.83	-83.73	-644.86	-5.658e+04
		-5.658e+04	-644.86	0.34	0.0	72.4	-1387.07	109.34	14.83	-83.73	432.40	-4.602e+04
						144.8	-1479.21	-2.78	14.83	-83.73	1509.65	-4.357e+04
58	30	5.808e+04	526.16	0.05	-224.24	0.0	1626.89	60.55	-11.36	83.63	526.16	5.725e+04
		4.840e+04	-1125.50	-0.27	0.0	72.4	1534.75	-51.57	-11.36	83.63	-299.67	5.688e+04
						144.8	1442.61	-163.68	-11.36	83.63	-1125.50	4.840e+04
58	31	-5.912e+04	154.48	-0.07	-224.24	0.0	-1621.43	182.01	-4.09	-28.12	154.48	-7.101e+04
		-7.101e+04	-430.52	0.31	0.0	72.4	-1713.57	69.90	-4.09	-28.12	-138.02	-6.117e+04
						144.8	-1805.72	-42.22	-4.09	-28.12	-430.52	-5.945e+04
58	32	4.336e+04	1325.49	-0.04	-224.24	0.0	1300.39	21.11	-30.28	139.24	1325.49	4.282e+04
		3.252e+04	-3065.67	-0.30	0.0	72.4	1208.24	-91.01	-30.28	139.24	-870.09	4.173e+04
						144.8	1116.10	-203.12	-30.28	139.24	-3065.67	3.252e+04
58	33	-4.340e+04	1561.45	0.04	-224.24	0.0	-1297.21	221.17	15.34	-85.08	-666.68	-5.648e+04
		-5.648e+04	-666.68	0.34	0.0	72.4	-1389.35	109.05	15.34	-85.08	447.38	-4.596e+04
						144.8	-1481.50	-3.07	15.34	-85.08	1561.45	-4.356e+04
58	34	5.816e+04	504.33	0.05	-224.24	0.0	1624.61	60.27	-10.85	82.28	504.33	5.736e+04
		4.841e+04	-1073.70	-0.27	0.0	72.4	1532.47	-51.85	-10.85	82.28	-284.68	5.694e+04
						144.8	1440.32	-163.97	-10.85	82.28	-1073.70	4.841e+04
58	35	-6.170e+04	134.51	-0.07	-224.24	0.0	-1693.36	194.63	-2.75	-15.54	134.51	-7.508e+04
		-7.508e+04	-255.40	0.30	0.0	72.4	-1785.50	82.51	-2.75	-15.54	-60.44	-6.439e+04
						144.8	-1877.65	-29.60	-2.75	-15.54	-255.40	-6.182e+04
58	36	4.735e+04	1301.81	-0.05	-224.24	0.0	1367.75	7.92	-30.61	123.97	1301.81	4.710e+04

		3.492e+04	-3137.19	-0.29	0.0	72.4	1275.61	-104.20	-30.61	123.97	-917.69	
4.507e+04												
						144.8	1183.46	-216.31	-30.61	123.97	-3137.19	
3.492e+04												
58	37	-4.593e+04	1632.97	0.04	-224.24	0.0	-1364.57	234.36	15.67	-69.80	-643.00	-
6.075e+04												
		-6.075e+04	-643.00	0.33	0.0	72.4	-1456.71	122.24	15.67	-69.80	494.99	-
4.930e+04												
						144.8	-1548.86	10.12	15.67	-69.80	1632.97	-
4.596e+04												
58	38	6.190e+04	524.30	0.05	-224.24	0.0	1696.54	47.65	-12.19	69.70	524.30	
6.143e+04												
		5.078e+04	-1248.82	-0.26	0.0	72.4	1604.40	-64.47	-12.19	69.70	-362.26	
6.016e+04												
						144.8	1512.25	-176.59	-12.19	69.70	-1248.82	
5.078e+04												
58	39	-6.172e+04	156.34	-0.07	-224.24	0.0	-1691.08	194.92	-3.26	-14.19	156.34	-
7.518e+04												
		-7.518e+04	-307.20	0.30	0.0	72.4	-1783.22	82.80	-3.26	-14.19	-75.43	-
6.445e+04												
						144.8	-1875.36	-29.32	-3.26	-14.19	-307.20	-
6.184e+04												
58	40	4.726e+04	1323.63	-0.05	-224.24	0.0	1370.03	8.21	-31.11	125.32	1323.63	
4.700e+04												
		3.491e+04	-3188.99	-0.29	0.0	72.4	1277.89	-103.91	-31.11	125.32	-932.68	
4.501e+04												
						144.8	1185.75	-216.03	-31.11	125.32	-3188.99	
3.491e+04												
58	41	-4.591e+04	1684.77	0.04	-224.24	0.0	-1366.85	234.07	16.17	-71.15	-664.82	-
6.065e+04												
		-6.065e+04	-664.82	0.33	0.0	72.4	-1459.00	121.95	16.17	-71.15	509.97	-
4.924e+04												
						144.8	-1551.14	9.84	16.17	-71.15	1684.77	-
4.595e+04												
58	42	6.199e+04	502.47	0.05	-224.24	0.0	1694.26	47.36	-11.68	68.36	502.47	
6.153e+04												
		5.080e+04	-1197.02	-0.26	0.0	72.4	1602.11	-64.75	-11.68	68.36	-347.27	
6.022e+04												
						144.8	1509.97	-176.87	-11.68	68.36	-1197.02	
5.080e+04												
58	43	-3.419e+04	1212.18	-0.10	-224.24	0.0	-779.09	88.53	-28.57	78.34	1212.18	-
3.926e+04												
		-3.926e+04	-2921.84	0.06	0.0	72.4	-871.24	-23.58	-28.57	78.34	-854.83	-
3.424e+04												
						144.8	-963.38	-135.70	-28.57	78.34	-2921.84	-
3.734e+04												
58	44	-9621.49	1487.84	-0.08	-224.24	0.0	-84.39	50.36	-34.73	118.03	1487.84	-
1.220e+04												
		-1.548e+04	-3541.56	-0.09	0.0	72.4	-176.53	-61.76	-34.73	118.03	-1026.86	-
9777.85												
						144.8	-268.68	-173.87	-34.73	118.03	-3541.56	-
1.548e+04												
58	45	6081.14	2037.35	0.06	-224.24	0.0	87.57	191.92	19.79	-63.86	-829.03	-
1457.20												
		-1457.20	-829.03	0.13	0.0	72.4	-4.57	79.80	19.79	-63.86	604.16	
5546.97												
						144.8	-96.72	-32.32	19.79	-63.86	2037.35	
4435.17												
58	46	3.001e+04	1417.63	0.08	-224.24	0.0	782.27	153.75	13.63	-24.17	-553.37	
2.561e+04												
		2.561e+04	-553.37	-0.02	0.0	72.4	690.13	41.63	13.63	-24.17	432.13	
3.001e+04												
						144.8	597.99	-70.49	13.63	-24.17	1417.63	
2.630e+04												
58	47	-3.494e+04	1212.76	-0.10	-224.24	0.0	-795.64	91.60	-28.37	81.67	1212.76	-
4.025e+04												
		-4.025e+04	-2892.55	0.05	0.0	72.4	-887.79	-20.52	-28.37	81.67	-839.89	-
3.502e+04												
						144.8	-979.93	-132.63	-28.37	81.67	-2892.55	-
3.791e+04												
58	48	-8788.85	1487.26	-0.08	-224.24	0.0	-67.84	47.29	-34.92	114.70	1487.26	-
1.120e+04												

		-1.491e+04	-3570.86	-0.09	0.0	72.4	-159.98	-64.83	-34.92	114.70	-1041.80	-8998.31
						144.8	-252.13	-176.94	-34.92	114.70	-3570.86	-1.491e+04
58	49	5381.23	2066.64	0.06	-224.24	0.0	71.02	194.99	19.98	-60.53	-828.45	-2449.12
		-2449.12	-828.45	0.13	0.0	72.4	-21.12	82.87	19.98	-60.53	619.10	4767.43
						144.8	-113.27	-29.25	19.98	-60.53	2066.64	3868.00
58	50	3.079e+04	1388.33	0.08	-224.24	0.0	798.82	150.68	13.43	-27.50	-553.95	2.660e+04
		2.660e+04	-553.95	-0.01	0.0	72.4	706.68	38.56	13.43	-27.50	417.19	3.079e+04
						144.8	614.54	-73.56	13.43	-27.50	1388.33	2.687e+04
58	51	-3.431e+04	1269.74	-0.10	-224.24	0.0	-772.71	89.59	-29.91	81.86	1269.74	-3.952e+04
		-3.952e+04	-3058.39	0.05	0.0	72.4	-864.86	-22.53	-29.91	81.86	-894.33	-3.438e+04
						144.8	-957.00	-134.65	-29.91	81.86	-3058.39	-3.735e+04
58	52	-9791.14	1545.41	-0.09	-224.24	0.0	-78.01	51.42	-36.07	121.55	1545.41	-1.246e+04
		-1.549e+04	-3678.11	-0.09	0.0	72.4	-170.15	-60.70	-36.07	121.55	-1066.35	-9917.03
						144.8	-262.30	-172.82	-36.07	121.55	-3678.11	-1.549e+04
58	53	6173.23	2173.90	0.07	-224.24	0.0	81.19	190.86	21.13	-67.39	-886.60	-1192.47
		-1192.47	-886.60	0.14	0.0	72.4	-10.95	78.75	21.13	-67.39	643.65	5686.15
						144.8	-103.10	-33.37	21.13	-67.39	2173.90	4448.80
58	54	3.015e+04	1554.18	0.08	-224.24	0.0	775.89	152.69	14.97	-27.70	-610.93	2.587e+04
		2.587e+04	-610.93	-0.01	0.0	72.4	683.75	40.57	14.97	-27.70	471.62	3.015e+04
						144.8	591.61	-71.54	14.97	-27.70	1554.18	2.631e+04
58	55	-3.506e+04	1270.33	-0.10	-224.24	0.0	-789.26	92.66	-29.71	85.19	1270.33	-4.052e+04
		-4.052e+04	-3029.10	0.05	0.0	72.4	-881.41	-19.46	-29.71	85.19	-879.38	-3.516e+04
						144.8	-973.55	-131.58	-29.71	85.19	-3029.10	-3.792e+04
58	56	-8959.42	1544.82	-0.09	-224.24	0.0	-61.46	48.35	-36.26	118.22	1544.82	-1.147e+04
		-1.492e+04	-3707.41	-0.09	0.0	72.4	-153.61	-63.77	-36.26	118.22	-1081.29	-9137.48
						144.8	-245.75	-175.89	-36.26	118.22	-3707.41	-1.492e+04
58	57	5473.33	2203.19	0.07	-224.24	0.0	64.64	193.93	21.32	-64.06	-886.01	-2184.40
		-2184.40	-886.01	0.13	0.0	72.4	-27.50	81.82	21.32	-64.06	658.59	4906.60
						144.8	-119.65	-30.30	21.32	-64.06	2203.19	3881.63
58	58	3.093e+04	1524.88	0.08	-224.24	0.0	792.44	149.62	14.77	-31.03	-611.52	2.686e+04
		2.686e+04	-611.52	-0.01	0.0	72.4	700.30	37.51	14.77	-31.03	456.68	3.093e+04
						144.8	608.16	-74.61	14.77	-31.03	1524.88	2.688e+04
58	59	-4.751e+04	176.14	-0.06	-224.24	0.0	-1286.25	169.25	-4.45	-17.74	176.14	-5.760e+04
		-5.760e+04	-463.12	0.25	0.0	72.4	-1378.39	57.14	-4.45	-17.74	-143.49	-4.886e+04
						144.8	-1470.54	-54.98	-4.45	-17.74	-463.12	-4.823e+04
58	60	3.366e+04	1095.03	-0.03	-224.24	0.0	1029.43	42.01	-24.99	114.56	1095.03	3.261e+04

		2.465e+04	-2528.85	-0.24	0.0	72.4	937.29	-70.11	-24.99	114.56	-716.91	
3.269e+04												
						144.8	845.14	-182.22	-24.99	114.56	-2528.85	
2.465e+04												
58	61	-3.520e+04	1024.64	0.03	-224.24	0.0	-1026.25	200.27	10.05	-60.40	-436.22	-
4.626e+04												
		-4.626e+04	-436.22	0.28	0.0	72.4	-1118.39	88.15	10.05	-60.40	294.21	-
3.692e+04												
						144.8	-1210.54	-23.97	10.05	-60.40	1024.64	-
3.570e+04												
58	62	4.532e+04	482.67	0.04	-224.24	0.0	1289.43	73.03	-10.49	71.90	482.67	
4.395e+04												
		3.719e+04	-1041.10	-0.21	0.0	72.4	1197.29	-39.09	-10.49	71.90	-279.21	
4.463e+04												
						144.8	1105.14	-151.21	-10.49	71.90	-1041.10	
3.719e+04												
58	63	-4.753e+04	193.41	-0.06	-224.24	0.0	-1284.34	169.57	-4.86	-16.68	193.41	-
5.768e+04												
		-5.768e+04	-504.09	0.25	0.0	72.4	-1376.48	57.45	-4.86	-16.68	-155.34	-
4.890e+04												
						144.8	-1468.62	-54.67	-4.86	-16.68	-504.09	-
4.823e+04												
58	64	3.360e+04	1112.30	-0.04	-224.24	0.0	1031.34	42.33	-25.39	115.62	1112.30	
3.253e+04												
		2.465e+04	-2569.82	-0.24	0.0	72.4	939.20	-69.79	-25.39	115.62	-728.76	
3.265e+04												
						144.8	847.06	-181.91	-25.39	115.62	-2569.82	
2.465e+04												
58	65	-3.519e+04	1065.60	0.03	-224.24	0.0	-1028.16	199.95	10.45	-61.46	-453.49	-
4.618e+04												
		-4.618e+04	-453.49	0.28	0.0	72.4	-1120.31	87.84	10.45	-61.46	306.06	-
3.688e+04												
						144.8	-1212.45	-24.28	10.45	-61.46	1065.60	-
3.569e+04												
58	66	4.538e+04	465.40	0.04	-224.24	0.0	1287.52	72.71	-10.08	70.85	465.40	
4.403e+04												
		3.719e+04	-1000.13	-0.21	0.0	72.4	1195.37	-39.41	-10.08	70.85	-267.37	
4.467e+04												
						144.8	1103.23	-151.52	-10.08	70.85	-1000.13	
3.719e+04												
58	67	-4.967e+04	178.10	-0.06	-224.24	0.0	-1341.41	179.48	-3.80	-6.64	178.10	-
6.091e+04												
		-6.091e+04	-365.47	0.25	0.0	72.4	-1433.56	67.36	-3.80	-6.64	-93.68	-
5.146e+04												
						144.8	-1525.70	-44.75	-3.80	-6.64	-365.47	-
5.012e+04												
58	68	3.663e+04	1093.07	-0.04	-224.24	0.0	1084.59	31.78	-25.65	103.46	1093.07	
3.592e+04												
		2.655e+04	-2626.51	-0.23	0.0	72.4	992.45	-80.33	-25.65	103.46	-766.72	
3.529e+04												
						144.8	900.31	-192.45	-25.65	103.46	-2626.51	
2.655e+04												
58	69	-3.731e+04	1122.29	0.03	-224.24	0.0	-1081.41	210.50	10.71	-49.30	-434.26	-
4.957e+04												
		-4.957e+04	-434.26	0.27	0.0	72.4	-1173.56	98.38	10.71	-49.30	344.01	-
3.952e+04												
						144.8	-1265.70	-13.74	10.71	-49.30	1122.29	-
3.759e+04												
58	70	4.826e+04	480.71	0.04	-224.24	0.0	1344.59	62.80	-11.14	60.80	480.71	
4.726e+04												
		3.908e+04	-1138.75	-0.20	0.0	72.4	1252.45	-49.32	-11.14	60.80	-329.02	
4.723e+04												
						144.8	1160.31	-161.44	-11.14	60.80	-1138.75	
3.908e+04												
58	71	-4.969e+04	195.37	-0.06	-224.24	0.0	-1339.50	179.80	-4.20	-5.58	195.37	-
6.099e+04												
		-6.099e+04	-406.43	0.24	0.0	72.4	-1431.64	67.68	-4.20	-5.58	-105.53	-
5.150e+04												
						144.8	-1523.79	-44.44	-4.20	-5.58	-406.43	-
5.012e+04												
58	72	3.657e+04	1110.34	-0.04	-224.24	0.0	1086.51	32.10	-26.05	104.52	1110.34	
3.584e+04												

		2.654e+04	-2667.47	-0.23	0.0	72.4	994.36	-80.02	-26.05	104.52	-778.56	3.525e+04
						144.8	902.22	-192.14	-26.05	104.52	-2667.47	2.654e+04
58	73	-3.729e+04	1163.26	0.03	-224.24	0.0	-1083.33	210.18	11.11	-50.36	-451.53	-4.949e+04
		-4.949e+04	-451.53	0.27	0.0	72.4	-1175.47	98.06	11.11	-50.36	355.86	-3.948e+04
						144.8	-1267.62	-14.05	11.11	-50.36	1163.26	-3.758e+04
58	74	4.832e+04	463.44	0.04	-224.24	0.0	1342.68	62.48	-10.74	59.75	463.44	4.734e+04
		3.908e+04	-1097.79	-0.20	0.0	72.4	1250.54	-49.64	-10.74	59.75	-317.17	4.727e+04
						144.8	1158.39	-161.75	-10.74	59.75	-1097.79	3.908e+04
58	75	-2.863e+04	1059.68	-0.08	-224.24	0.0	-643.86	94.00	-24.92	69.53	1059.68	-3.363e+04
		-3.363e+04	-2546.91	0.05	0.0	72.4	-736.01	-18.12	-24.92	69.53	-743.62	-2.868e+04
						144.8	-828.15	-130.24	-24.92	69.53	-2546.91	-3.184e+04
58	76	-8365.69	1287.71	-0.07	-224.24	0.0	-69.75	62.44	-30.02	102.34	1287.71	-1.127e+04
		-1.377e+04	-3059.61	-0.07	0.0	72.4	-161.89	-49.68	-30.02	102.34	-885.95	-8458.55
						144.8	-254.03	-161.79	-30.02	102.34	-3059.61	-1.377e+04
58	77	4615.63	1555.40	0.05	-224.24	0.0	72.93	179.84	15.08	-48.18	-628.90	-2386.64
		-2386.64	-628.90	0.11	0.0	72.4	-19.22	67.72	15.08	-48.18	463.25	-4227.67
						144.8	-111.36	-44.40	15.08	-48.18	1555.40	-2726.00
58	78	2.445e+04	1042.70	0.06	-224.24	0.0	647.04	148.28	9.98	-15.37	-400.87	-1.998e+04
		1.998e+04	-400.87	-9.58e-03	0.0	72.4	554.90	36.16	9.98	-15.37	320.91	-2.445e+04
						144.8	462.76	-75.95	9.98	-15.37	1042.70	-2.080e+04
58	79	-2.925e+04	1060.14	-0.08	-224.24	0.0	-657.54	96.54	-24.76	72.28	1060.14	-3.445e+04
		-3.445e+04	-2522.69	0.05	0.0	72.4	-749.69	-15.58	-24.76	72.28	-731.27	-2.932e+04
						144.8	-841.83	-127.70	-24.76	72.28	-2522.69	-3.231e+04
58	80	-7699.49	1287.24	-0.07	-224.24	0.0	-56.07	59.91	-30.18	99.59	1287.24	-1.045e+04
		-1.330e+04	-3083.84	-0.07	0.0	72.4	-148.21	-52.21	-30.18	99.59	-898.30	-7814.28
						144.8	-240.36	-164.33	-30.18	99.59	-3083.84	-1.330e+04
58	81	4037.17	1579.62	0.05	-224.24	0.0	59.25	182.37	15.24	-45.43	-628.43	-3206.39
		-3206.39	-628.43	0.11	0.0	72.4	-32.89	70.26	15.24	-45.43	475.59	-3583.40
						144.8	-125.04	-41.86	15.24	-45.43	1579.62	-2257.21
58	82	2.509e+04	1018.47	0.06	-224.24	0.0	660.72	145.74	9.82	-18.12	-401.33	-2.080e+04
		2.080e+04	-401.33	-7.81e-03	0.0	72.4	568.58	33.63	9.82	-18.12	308.57	-2.509e+04
						144.8	476.43	-78.49	9.82	-18.12	1018.47	-2.126e+04
58	83	-2.873e+04	1107.17	-0.08	-224.24	0.0	-638.57	94.87	-26.03	72.44	1107.17	-3.385e+04
		-3.385e+04	-2659.58	0.05	0.0	72.4	-730.72	-17.25	-26.03	72.44	-776.20	-2.879e+04
						144.8	-822.86	-129.36	-26.03	72.44	-2659.58	-3.185e+04
58	84	-8492.97	1335.21	-0.07	-224.24	0.0	-64.46	63.31	-31.12	105.25	1335.21	-1.148e+04

		-1.378e+04	-3172.28	-0.07	0.0	72.4	-156.60	-48.81	-31.12	105.25	-918.54	-8572.80
						144.8	-248.74	-160.92	-31.12	105.25	-3172.28	-1.378e+04
58	85	4701.32	1668.06	0.05	-224.24	0.0	67.64	178.97	16.18	-51.08	-676.40	-2168.17
		-2168.17	-676.40	0.12	0.0	72.4	-24.51	66.85	16.18	-51.08	495.83	-4341.92
						144.8	-116.65	-45.27	16.18	-51.08	1668.06	-2736.03
58	86	2.456e+04	1155.36	0.07	-224.24	0.0	641.75	147.41	11.09	-18.27	-448.36	-2.020e+04
		2.020e+04	-448.36	-8.53e-03	0.0	72.4	549.61	35.29	11.09	-18.27	353.50	-2.456e+04
						144.8	457.46	-76.83	11.09	-18.27	1155.36	-2.081e+04
58	87	-2.935e+04	1107.64	-0.08	-224.24	0.0	-652.25	97.41	-25.86	75.19	1107.64	-3.467e+04
		-3.467e+04	-2635.36	0.05	0.0	72.4	-744.39	-14.71	-25.86	75.19	-763.86	-2.943e+04
						144.8	-836.54	-126.83	-25.86	75.19	-2635.36	-3.232e+04
58	88	-7826.77	1334.74	-0.07	-224.24	0.0	-50.78	60.78	-31.29	102.50	1334.74	-1.067e+04
		-1.331e+04	-3196.50	-0.07	0.0	72.4	-142.92	-51.34	-31.29	102.50	-930.88	-7928.53
						144.8	-235.07	-163.46	-31.29	102.50	-3196.50	-1.331e+04
58	89	4112.33	1692.29	0.05	-224.24	0.0	53.96	181.50	16.35	-48.33	-675.93	-2987.91
		-2987.91	-675.93	0.11	0.0	72.4	-38.19	69.39	16.35	-48.33	508.18	-3697.65
						144.8	-130.33	-42.73	16.35	-48.33	1692.29	-2267.24
58	90	2.520e+04	1131.14	0.07	-224.24	0.0	655.43	144.87	10.92	-21.02	-448.83	-2.102e+04
		2.102e+04	-448.83	-6.79e-03	0.0	72.4	563.29	32.76	10.92	-21.02	341.15	-2.520e+04
						144.8	471.14	-79.36	10.92	-21.02	1131.14	-2.127e+04
58	91	-3.977e+04	202.63	-0.05	-224.24	0.0	-1062.79	160.86	-4.97	-9.95	202.63	-4.879e+04
		-4.879e+04	-512.95	0.21	0.0	72.4	-1154.93	48.74	-4.97	-9.95	-155.16	-4.075e+04
						144.8	-1247.08	-63.37	-4.97	-9.95	-512.95	-4.082e+04
58	92	2.727e+04	962.75	-0.03	-224.24	0.0	850.93	55.67	-21.97	99.42	962.75	-2.576e+04
		1.941e+04	-2221.95	-0.19	0.0	72.4	758.79	-56.45	-21.97	99.42	-629.60	-2.665e+04
						144.8	666.64	-168.57	-21.97	99.42	-2221.95	-1.941e+04
58	93	-2.965e+04	717.74	0.03	-224.24	0.0	-847.75	186.61	7.03	-45.26	-303.94	-3.942e+04
		-3.942e+04	-303.94	0.23	0.0	72.4	-939.90	74.50	7.03	-45.26	206.90	-3.088e+04
						144.8	-1032.04	-37.62	7.03	-45.26	717.74	-3.045e+04
58	94	3.695e+04	456.18	0.03	-224.24	0.0	1065.97	81.42	-9.97	64.11	456.18	-3.514e+04
		2.978e+04	-991.26	-0.17	0.0	72.4	973.83	-30.70	-9.97	64.11	-267.54	-3.652e+04
						144.8	881.68	-142.82	-9.97	64.11	-991.26	-2.978e+04
58	95	-3.979e+04	216.88	-0.05	-224.24	0.0	-1061.20	161.12	-5.31	-9.07	216.88	-4.886e+04
		-4.886e+04	-546.75	0.21	0.0	72.4	-1153.35	49.01	-5.31	-9.07	-164.94	-4.078e+04
						144.8	-1245.49	-63.11	-5.31	-9.07	-546.75	-4.082e+04
58	96	2.722e+04	977.00	-0.03	-224.24	0.0	852.52	55.93	-22.30	100.30	977.00	-2.570e+04

		1.941e+04	-2255.75	-0.19	0.0	72.4	760.38	-56.19	-22.30	100.30	-639.38	
2.661e+04												
						144.8	668.23	-168.31	-22.30	100.30	-2255.75	
1.941e+04												
58	97	-2.963e+04	751.54	0.03	-224.24	0.0	-849.34	186.35	7.36	-46.13	-318.19	-
3.935e+04												
		-3.935e+04	-318.19	0.23	0.0	72.4	-941.48	74.23	7.36	-46.13	216.67	-
3.084e+04												
						144.8	-1033.63	-37.88	7.36	-46.13	751.54	-
3.045e+04												
58	98	3.700e+04	441.93	0.03	-224.24	0.0	1064.38	81.16	-9.63	63.24	441.93	
3.520e+04												
		2.978e+04	-957.46	-0.17	0.0	72.4	972.24	-30.96	-9.63	63.24	-257.77	
3.655e+04												
						144.8	880.09	-143.08	-9.63	63.24	-957.46	
2.978e+04												
58	99	-4.162e+04	204.19	-0.05	-224.24	0.0	-1108.38	169.31	-4.43	-0.78	204.19	-
5.152e+04												
		-5.152e+04	-432.21	0.21	0.0	72.4	-1200.53	57.20	-4.43	-0.78	-114.01	-
4.290e+04												
						144.8	-1292.67	-54.92	-4.43	-0.78	-432.21	-
4.238e+04												
58	100	2.966e+04	961.19	-0.03	-224.24	0.0	896.52	47.21	-22.51	90.26	961.19	
2.850e+04												
		2.097e+04	-2302.70	-0.18	0.0	72.4	804.38	-64.90	-22.51	90.26	-670.76	
2.879e+04												
						144.8	712.24	-177.02	-22.51	90.26	-2302.70	
2.097e+04												
58	101	-3.144e+04	798.49	0.03	-224.24	0.0	-893.34	195.07	7.57	-36.09	-302.38	-
4.215e+04												
		-4.215e+04	-302.38	0.23	0.0	72.4	-985.49	82.95	7.57	-36.09	248.05	-
3.302e+04												
						144.8	-1077.63	-29.17	7.57	-36.09	798.49	-
3.202e+04												
58	102	3.932e+04	454.62	0.03	-224.24	0.0	1111.56	72.97	-10.51	54.94	454.62	
3.787e+04												
		3.134e+04	-1072.01	-0.16	0.0	72.4	1019.42	-39.15	-10.51	54.94	-308.70	
3.866e+04												
						144.8	927.27	-151.27	-10.51	54.94	-1072.01	
3.134e+04												
58	103	-4.164e+04	218.44	-0.05	-224.24	0.0	-1106.79	169.58	-4.76	0.09	218.44	-
5.159e+04												
		-5.159e+04	-466.01	0.21	0.0	72.4	-1198.94	57.46	-4.76	0.09	-123.78	-
4.293e+04												
						144.8	-1291.08	-54.66	-4.76	0.09	-466.01	-
4.239e+04												
58	104	2.961e+04	975.44	-0.03	-224.24	0.0	898.11	47.48	-22.84	91.13	975.44	
2.843e+04												
		2.097e+04	-2336.50	-0.18	0.0	72.4	805.97	-64.64	-22.84	91.13	-680.53	
2.876e+04												
						144.8	713.82	-176.76	-22.84	91.13	-2336.50	
2.097e+04												
58	105	-3.143e+04	832.29	0.03	-224.24	0.0	-894.93	194.80	7.90	-36.97	-316.63	-
4.208e+04												
		-4.208e+04	-316.63	0.23	0.0	72.4	-987.08	82.69	7.90	-36.97	257.83	-
3.299e+04												
						144.8	-1079.22	-29.43	7.90	-36.97	832.29	-
3.201e+04												
58	106	3.936e+04	440.37	0.03	-224.24	0.0	1109.97	72.70	-10.18	54.07	440.37	
3.793e+04												
		3.135e+04	-1038.21	-0.16	0.0	72.4	1017.83	-39.41	-10.18	54.07	-298.92	
3.870e+04												
						144.8	925.69	-151.53	-10.18	54.07	-1038.21	
3.135e+04												
61	1	1555.23	-0.30	-2.29e-04	-20.59	0.0	51.82	13.42	-1.28	49.08	-0.30	
1402.94												
		1402.94	-56.17	2.68e-03	0.0	21.8	51.82	1.10	-1.28	49.08	-28.24	
1553.96												
						43.6	51.82	-7.16	-1.28	49.08	-56.17	
1480.46												
61	2	1.091e+04	67.46	2.83e-03	-104.02	0.0	-24.04	-138.01	-7.88	202.19	67.46	
1.091e+04												

		1950.26	-276.43	9.54e-03	0.0	21.8	-24.04	-212.91	-7.88	202.19	-104.48	
6995.02												
						43.6	-24.04	-242.03	-7.88	202.19	-276.43	
1950.26												
61	3	1132.43	-1.51	-2.10e-04	-14.26	0.0	41.30	13.18	-0.86	34.87	-1.51	899.86
		899.86	-39.05	1.93e-03	0.0	21.8	41.30	4.89	-0.86	34.87	-20.28	
1092.67												
						43.6	41.30	-1.08	-0.86	34.87	-39.05	
1129.95												
61	4	1.040e+04	66.25	2.81e-03	-97.69	0.0	-34.57	-138.25	-7.46	187.98	66.25	
1.040e+04												
		1599.75	-259.31	8.79e-03	0.0	21.8	-34.57	-209.12	-7.46	187.98	-96.53	
6533.73												
						43.6	-34.57	-235.94	-7.46	187.98	-259.31	
1599.75												
61	5	1160.91	-0.79	-1.90e-04	-15.15	0.0	40.49	11.57	-0.93	36.50	-0.79	
1001.22												
		1001.22	-41.40	2.00e-03	0.0	21.8	40.49	2.60	-0.93	36.50	-21.10	
1150.71												
						43.6	40.49	-3.58	-0.93	36.50	-41.40	
1134.96												
61	6	7336.15	44.39	1.84e-03	-70.77	0.0	-10.09	-89.39	-5.33	138.57	44.39	
7336.15												
		1448.16	-188.24	6.58e-03	0.0	21.8	-10.09	-140.07	-5.33	138.57	-71.93	
4778.08												
						43.6	-10.09	-160.16	-5.33	138.57	-188.24	
1448.16												
61	7	1160.91	-0.79	-1.90e-04	-15.15	0.0	40.49	11.57	-0.93	36.50	-0.79	
1001.22												
		1001.22	-41.40	2.00e-03	0.0	21.8	40.49	2.60	-0.93	36.50	-21.10	
1150.71												
						43.6	40.49	-3.58	-0.93	36.50	-41.40	
1134.96												
61	8	5435.67	30.83	1.24e-03	-54.09	0.0	5.08	-59.10	-4.01	107.95	30.83	
5435.67												
		1354.20	-144.19	5.20e-03	0.0	21.8	5.08	-97.27	-4.01	107.95	-56.68	
3689.87												
						43.6	5.08	-113.19	-4.01	107.95	-144.19	
1354.20												
61	9	1160.91	-0.79	-1.90e-04	-15.15	0.0	40.49	11.57	-0.93	36.50	-0.79	
1001.22												
		1001.22	-41.40	2.00e-03	0.0	21.8	40.49	2.60	-0.93	36.50	-21.10	
1150.71												
						43.6	40.49	-3.58	-0.93	36.50	-41.40	
1134.96												
61	10	4802.17	26.32	1.04e-03	-48.52	0.0	10.14	-49.00	-3.57	97.74	26.32	
4802.17												
		1322.88	-129.51	4.75e-03	0.0	21.8	10.14	-83.00	-3.57	97.74	-51.60	
3327.13												
						43.6	10.14	-97.53	-3.57	97.74	-129.51	
1322.88												
61	11	43.39	-378.02	-0.02	-48.52	0.0	452.16	209.94	14.79	618.68	-378.02	-
9998.16												
		-9998.16	-541.42	0.02	0.0	21.8	452.16	175.95	14.79	618.68	-459.72	-
4712.78												
						43.6	452.16	161.42	14.79	618.68	-541.42	43.39
61	12	2702.46	100.92	-0.02	-48.52	0.0	-813.48	-593.34	2.77	344.57	100.92	
2702.46												
		-2.264e+04	-659.83	-5.17e-03	0.0	21.8	-813.48	-627.34	2.77	344.57	-279.46	-
9703.21												
						43.6	-813.48	-641.87	2.77	344.57	-659.83	-
2.264e+04												
61	13	2.528e+04	400.82	0.02	-48.52	0.0	833.76	495.34	-9.91	-149.08	-48.29	
6901.89												
		6901.89	-48.29	0.01	0.0	21.8	833.76	461.34	-9.91	-149.08	176.27	
1.636e+04												
						43.6	833.76	446.81	-9.91	-149.08	400.82	
2.528e+04												
61	14	1.960e+04	430.65	0.02	-48.52	0.0	-431.88	-307.95	-21.94	-423.20	430.65	
1.960e+04												
		2602.38	282.41	-8.55e-03	0.0	21.8	-431.88	-341.95	-21.94	-423.20	356.53	
1.137e+04												

						43.6	-431.88	-356.48	-21.94	-423.20	282.41	
2602.38												
61	15	-460.29	-375.14	-0.02	-48.52	0.0	467.90	207.69	14.14	641.76	-375.14	-
1.044e+04												
		-1.044e+04	-535.49	0.02	0.0	21.8	467.90	173.69	14.14	641.76	-455.31	-
5186.97												
						43.6	467.90	159.16	14.14	641.76	-535.49	-
460.29												
61	16	3147.15	98.04	-0.02	-48.52	0.0	-829.22	-591.09	3.42	321.49	98.04	
3147.15												
		-2.213e+04	-665.76	-4.15e-03	0.0	21.8	-829.22	-625.08	3.42	321.49	-283.86	-
9229.02												
						43.6	-829.22	-639.61	3.42	321.49	-665.76	-
2.213e+04												
61	17	2.478e+04	406.75	0.02	-48.52	0.0	849.50	493.08	-10.57	-126.00	-45.41	
6457.20												
		6457.20	-45.41	0.01	0.0	21.8	849.50	459.08	-10.57	-126.00	180.67	
1.588e+04												
						43.6	849.50	444.55	-10.57	-126.00	406.75	
2.478e+04												
61	18	2.005e+04	427.77	0.02	-48.52	0.0	-447.62	-305.70	-21.28	-446.28	427.77	
2.005e+04												
		3106.06	276.48	-7.53e-03	0.0	21.8	-447.62	-339.69	-21.28	-446.28	352.12	
1.184e+04												
						43.6	-447.62	-354.22	-21.28	-446.28	276.48	
3106.06												
61	19	-1002.35	-367.89	-0.02	-48.52	0.0	512.80	203.76	-10.58	634.92	-367.89	-
9875.26												
		-9875.26	-568.37	0.02	0.0	21.8	512.80	169.76	-10.58	634.92	-468.13	-
5174.21												
						43.6	512.80	155.23	-10.58	634.92	-568.37	-
1002.35												
61	20	2825.35	111.05	-0.02	-48.52	0.0	-752.84	-599.53	-22.60	360.81	111.05	
2825.35												
		-2.368e+04	-686.78	-5.24e-03	0.0	21.8	-752.84	-633.53	-22.60	360.81	-287.87	-
1.016e+04												
						43.6	-752.84	-648.06	-22.60	360.81	-686.78	-
2.368e+04												
61	21	2.633e+04	427.77	0.03	-48.52	0.0	773.12	501.52	15.46	-165.32	-58.42	
6779.00												
		6779.00	-58.42	0.01	0.0	21.8	773.12	467.53	15.46	-165.32	184.68	
1.682e+04												
						43.6	773.12	453.00	15.46	-165.32	427.77	
2.633e+04												
61	22	1.948e+04	420.52	0.02	-48.52	0.0	-492.52	-301.77	3.44	-439.44	420.52	
1.948e+04												
		3648.12	309.36	-8.48e-03	0.0	21.8	-492.52	-335.76	3.44	-439.44	364.94	
1.183e+04												
						43.6	-492.52	-350.29	3.44	-439.44	309.36	
3648.12												
61	23	-1506.04	-365.01	-0.02	-48.52	0.0	528.54	201.50	-11.23	658.00	-365.01	-
1.032e+04												
		-1.032e+04	-562.44	0.02	0.0	21.8	528.54	167.50	-11.23	658.00	-463.73	-
5648.39												
						43.6	528.54	152.97	-11.23	658.00	-562.44	-
1506.04												
61	24	3270.04	108.17	-0.02	-48.52	0.0	-768.58	-597.28	-21.95	337.73	108.17	
3270.04												
		-2.318e+04	-692.71	-4.22e-03	0.0	21.8	-768.58	-631.27	-21.95	337.73	-292.27	-
9690.45												
						43.6	-768.58	-645.80	-21.95	337.73	-692.71	-
2.318e+04												
61	25	2.583e+04	433.70	0.03	-48.52	0.0	788.86	499.27	14.81	-142.24	-55.54	
6334.31												
		6334.31	-55.54	0.01	0.0	21.8	788.86	465.27	14.81	-142.24	189.08	
1.634e+04												
						43.6	788.86	450.74	14.81	-142.24	433.70	
2.583e+04												
61	26	1.992e+04	417.64	0.02	-48.52	0.0	-508.26	-299.51	4.09	-462.52	417.64	
1.992e+04												
		4151.80	303.43	-7.46e-03	0.0	21.8	-508.26	-333.50	4.09	-462.52	360.54	
1.230e+04												

						43.6	-508.26	-348.03	4.09	-462.52	303.43	4151.80
61	27	3.534e+04	-73.49	5.54e-03	-48.52	0.0	2062.30	1247.00	20.17	669.77	-821.37	-1.890e+04
		-1.890e+04	-821.37	0.04	0.0	21.8	2062.30	1213.01	20.17	669.77	-447.43	8483.97
						43.6	2062.30	1198.48	20.17	669.77	-73.49	3.534e+04
61	28	2.343e+04	775.09	-0.02	-48.52	0.0	-2156.50	-1430.63	-19.91	-243.95	775.09	2.343e+04
		-4.027e+04	-468.20	-0.03	0.0	21.8	-2156.50	-1464.62	-19.91	-243.95	153.44	-8150.79
						43.6	-2156.50	-1479.15	-19.91	-243.95	-468.20	-4.027e+04
61	29	4.291e+04	209.19	0.02	-48.52	0.0	2176.78	1332.62	12.76	439.44	-722.46	1.383e+04
		-1.383e+04	-722.46	0.04	0.0	21.8	2176.78	1298.62	12.76	439.44	-256.63	1.481e+04
						43.6	2176.78	1284.10	12.76	439.44	209.19	4.291e+04
61	30	2.850e+04	874.00	-3.46e-03	-48.52	0.0	-2042.02	-1345.01	-27.32	-474.28	874.00	2.850e+04
		-3.269e+04	-185.53	-0.03	0.0	21.8	-2042.02	-1379.01	-27.32	-474.28	344.24	-1829.71
						43.6	-2042.02	-1393.54	-27.32	-474.28	-185.53	-3.269e+04
61	31	3.503e+04	-81.57	5.19e-03	-48.52	0.0	2080.49	1245.15	12.56	674.64	-818.34	1.886e+04
		-1.886e+04	-818.34	0.04	0.0	21.8	2080.49	1211.15	12.56	674.64	-449.95	8345.54
						43.6	2080.49	1196.62	12.56	674.64	-81.57	3.503e+04
61	32	2.347e+04	778.12	-0.02	-48.52	0.0	-2138.31	-1432.49	-27.52	-239.08	778.12	2.347e+04
		-4.058e+04	-476.28	-0.03	0.0	21.8	-2138.31	-1466.48	-27.52	-239.08	150.92	-8289.22
						43.6	-2138.31	-1481.01	-27.52	-239.08	-476.28	-4.058e+04
61	33	4.323e+04	217.27	0.02	-48.52	0.0	2158.59	1334.48	20.37	434.56	-725.49	1.387e+04
		-1.387e+04	-725.49	0.04	0.0	21.8	2158.59	1300.48	20.37	434.56	-254.11	1.494e+04
						43.6	2158.59	1285.95	20.37	434.56	217.27	4.323e+04
61	34	2.847e+04	870.97	-3.10e-03	-48.52	0.0	-2060.21	-1343.16	-19.71	-479.15	870.97	2.847e+04
		-3.238e+04	-177.44	-0.03	0.0	21.8	-2060.21	-1377.15	-19.71	-479.15	346.76	-1691.28
						43.6	-2060.21	-1391.68	-19.71	-479.15	-177.44	-3.238e+04
61	35	3.366e+04	-53.72	4.46e-03	-48.52	0.0	2114.77	1239.47	18.00	746.70	-811.78	2.038e+04
		-2.038e+04	-811.78	0.04	0.0	21.8	2114.77	1205.48	18.00	746.70	-432.75	6903.36
						43.6	2114.77	1190.95	18.00	746.70	-53.72	3.366e+04
61	36	2.492e+04	765.49	-0.01	-48.52	0.0	-2208.97	-1423.10	-17.73	-320.88	765.49	2.492e+04
		-3.859e+04	-487.96	-0.03	0.0	21.8	-2208.97	-1457.10	-17.73	-320.88	138.76	-6570.17
						43.6	-2208.97	-1471.62	-17.73	-320.88	-487.96	-3.859e+04
61	37	4.123e+04	228.95	0.02	-48.52	0.0	2229.25	1325.09	10.58	516.37	-712.86	1.531e+04
		-1.531e+04	-712.86	0.04	0.0	21.8	2229.25	1291.10	10.58	516.37	-241.96	1.322e+04
						43.6	2229.25	1276.57	10.58	516.37	228.95	4.123e+04
61	38	2.999e+04	864.41	-2.37e-03	-48.52	0.0	-2094.49	-1337.48	-25.14	-551.21	864.41	2.999e+04
		-3.101e+04	-205.29	-0.03	0.0	21.8	-2094.49	-1371.48	-25.14	-551.21	329.56	-249.09

						43.6	-2094.49	-1386.01	-25.14	-551.21	-205.29	-3.101e+04
61	39	3.335e+04	-61.80	4.10e-03	-48.52	0.0	2132.96	1237.62	10.38	751.57	-808.74	-2.035e+04
		-2.035e+04	-808.74	0.04	0.0	21.8	2132.96	1203.62	10.38	751.57	-435.27	6764.93
						43.6	2132.96	1189.09	10.38	751.57	-61.80	3.335e+04
61	40	2.495e+04	768.53	-0.01	-48.52	0.0	-2190.78	-1424.96	-25.34	-316.01	768.53	2.495e+04
		-3.890e+04	-496.05	-0.03	0.0	21.8	-2190.78	-1458.95	-25.34	-316.01	136.24	-6708.60
						43.6	-2190.78	-1473.48	-25.34	-316.01	-496.05	-3.890e+04
61	41	4.155e+04	237.04	0.02	-48.52	0.0	2211.06	1326.95	18.20	511.50	-715.90	-1.535e+04
		-1.535e+04	-715.90	0.04	0.0	21.8	2211.06	1292.95	18.20	511.50	-239.43	1.336e+04
						43.6	2211.06	1278.42	18.20	511.50	237.04	4.155e+04
61	42	2.995e+04	861.37	-2.02e-03	-48.52	0.0	-2112.68	-1335.63	-17.53	-556.09	861.37	2.995e+04
		-3.070e+04	-197.21	-0.03	0.0	21.8	-2112.68	-1369.62	-17.53	-556.09	332.08	-110.67
						43.6	-2112.68	-1384.15	-17.53	-556.09	-197.21	-3.070e+04
61	43	306.33	-292.36	-0.01	-48.52	0.0	360.58	156.74	10.88	509.46	-292.36	-6915.23
		-6915.23	-454.29	0.02	0.0	21.8	360.58	122.75	10.88	509.46	-373.33	-3039.85
						43.6	360.58	108.22	10.88	509.46	-454.29	306.33
61	44	3141.72	87.14	-0.02	-48.52	0.0	-641.61	-479.52	1.36	292.44	87.14	3141.72
		-1.765e+04	-547.05	-3.17e-03	0.0	21.8	-641.61	-513.52	1.36	292.44	-229.95	-6990.69
						43.6	-641.61	-528.05	1.36	292.44	-547.05	-1.765e+04
61	45	2.030e+04	288.04	0.02	-48.52	0.0	661.89	381.51	-8.51	-96.95	-34.51	6462.63
		6462.63	-34.51	0.01	0.0	21.8	661.89	347.52	-8.51	-96.95	126.76	1.364e+04
						43.6	661.89	332.99	-8.51	-96.95	288.04	2.030e+04
61	46	1.652e+04	344.99	0.01	-48.52	0.0	-340.30	-254.75	-18.03	-313.97	344.99	1.652e+04
		2339.44	195.28	-5.85e-03	0.0	21.8	-340.30	-288.75	-18.03	-313.97	270.14	9694.11
						43.6	-340.30	-303.28	-18.03	-313.97	195.28	2339.44
61	47	-92.60	-290.07	-0.01	-48.52	0.0	373.07	154.95	10.36	527.75	-290.07	-7268.23
		-7268.23	-449.58	0.01	0.0	21.8	373.07	120.95	10.36	527.75	-369.83	-3415.81
						43.6	373.07	106.43	10.36	527.75	-449.58	-92.60
61	48	3494.72	84.85	-0.02	-48.52	0.0	-654.10	-477.73	1.88	274.14	84.85	3494.72
		-1.725e+04	-551.76	-2.36e-03	0.0	21.8	-654.10	-511.72	1.88	274.14	-233.46	-6614.73
						43.6	-654.10	-526.25	1.88	274.14	-551.76	-1.725e+04
61	49	1.990e+04	292.75	0.02	-48.52	0.0	674.38	379.72	-9.03	-78.65	-32.22	6109.63
		6109.63	-32.22	0.01	0.0	21.8	674.38	345.72	-9.03	-78.65	130.26	1.327e+04
						43.6	674.38	331.19	-9.03	-78.65	292.75	1.990e+04
61	50	1.687e+04	342.70	0.01	-48.52	0.0	-352.79	-252.96	-17.51	-332.27	342.70	1.687e+04
		2738.36	190.57	-5.05e-03	0.0	21.8	-352.79	-286.95	-17.51	-332.27	266.64	1.007e+04
						43.6	-352.79	-301.48	-17.51	-332.27	190.57	2738.36

61	51	-523.45	-283.69	-0.01	-48.52	0.0	408.89	151.83	-9.03	522.38	-283.69	-6814.73
		-6814.73	-475.67	0.02	0.0	21.8	408.89	117.83	-9.03	522.38	-379.68	-3404.49
						43.6	408.89	103.31	-9.03	522.38	-475.67	-523.45
61	52	3242.22	95.81	-0.02	-48.52	0.0	-593.30	-484.44	-18.55	305.36	95.81	3242.22
		-1.848e+04	-568.42	-3.22e-03	0.0	21.8	-593.30	-518.43	-18.55	305.36	-236.30	-7355.33
						43.6	-593.30	-532.96	-18.55	305.36	-568.42	-1.848e+04
61	53	2.113e+04	309.41	0.02	-48.52	0.0	613.58	386.43	11.40	-109.88	-43.18	6362.13
		6362.13	-43.18	0.01	0.0	21.8	613.58	352.43	11.40	-109.88	133.11	1.401e+04
						43.6	613.58	337.90	11.40	-109.88	309.41	2.113e+04
61	54	1.642e+04	336.32	0.02	-48.52	0.0	-388.60	-249.84	1.89	-326.90	336.32	1.642e+04
		3169.22	216.65	-5.80e-03	0.0	21.8	-388.60	-283.83	1.89	-326.90	276.49	1.006e+04
						43.6	-388.60	-298.36	1.89	-326.90	216.65	3169.22
61	55	-922.38	-281.40	-0.01	-48.52	0.0	421.38	150.03	-9.55	540.68	-281.40	-7167.73
		-7167.73	-470.95	0.01	0.0	21.8	421.38	116.04	-9.55	540.68	-376.18	-3780.45
						43.6	421.38	101.51	-9.55	540.68	-470.95	-922.38
61	56	3595.22	93.52	-0.02	-48.52	0.0	-605.79	-482.64	-18.03	287.06	93.52	3595.22
		-1.808e+04	-573.13	-2.41e-03	0.0	21.8	-605.79	-516.64	-18.03	287.06	-239.81	-6979.37
						43.6	-605.79	-531.17	-18.03	287.06	-573.13	-1.808e+04
61	57	2.073e+04	314.12	0.02	-48.52	0.0	626.07	384.63	10.89	-91.58	-40.89	6009.13
		6009.13	-40.89	0.01	0.0	21.8	626.07	350.64	10.89	-91.58	136.62	1.363e+04
						43.6	626.07	336.11	10.89	-91.58	314.12	2.073e+04
61	58	1.677e+04	334.03	0.02	-48.52	0.0	-401.09	-248.04	2.41	-345.19	334.03	1.677e+04
		3568.15	211.94	-5.00e-03	0.0	21.8	-401.09	-282.04	2.41	-345.19	272.99	1.043e+04
						43.6	-401.09	-296.57	2.41	-345.19	211.94	3568.15
61	59	2.826e+04	-86.26	4.61e-03	-48.52	0.0	1635.26	977.73	15.20	550.40	-644.87	1.397e+04
		-1.397e+04	-644.87	0.04	0.0	21.8	1635.26	943.73	15.20	550.40	-365.57	-7409.15
						43.6	1635.26	929.20	15.20	550.40	-86.26	2.826e+04
61	60	1.956e+04	620.15	-0.01	-48.52	0.0	-1705.37	-1143.17	-16.53	-173.00	620.15	1.956e+04
		-3.161e+04	-395.45	-0.03	0.0	21.8	-1705.37	-1177.16	-16.53	-173.00	112.35	-5760.33
						43.6	-1705.37	-1191.69	-16.53	-173.00	-395.45	-3.161e+04
61	61	3.425e+04	136.44	0.01	-48.52	0.0	1725.65	1045.16	9.38	368.48	-567.51	9952.72
		-9952.72	-567.51	0.04	0.0	21.8	1725.65	1011.16	9.38	368.48	-215.54	1.241e+04
						43.6	1725.65	996.63	9.38	368.48	136.44	3.425e+04
61	62	2.357e+04	697.50	-2.53e-03	-48.52	0.0	-1614.98	-1075.74	-22.34	-354.92	697.50	2.357e+04
		-2.561e+04	-172.75	-0.03	0.0	21.8	-1614.98	-1109.73	-22.34	-354.92	262.38	-754.89
						43.6	-1614.98	-1124.26	-22.34	-354.92	-172.75	-2.561e+04

61	63	2.801e+04	-92.67	4.33e-03	-48.52	0.0	1649.75	976.25	9.23	554.28	-642.27	-1.394e+04
		-1.394e+04	-642.27	0.04	0.0	21.8	1649.75	942.26	9.23	554.28	-367.47	7299.76
						43.6	1649.75	927.73	9.23	554.28	-92.67	2.801e+04
61	64	1.959e+04	622.75	-0.01	-48.52	0.0	-1690.88	-1144.64	-22.50	-169.12	622.75	1.959e+04
		-3.186e+04	-401.86	-0.03	0.0	21.8	-1690.88	-1178.64	-22.50	-169.12	110.44	-5869.73
						43.6	-1690.88	-1193.16	-22.50	-169.12	-401.86	-3.186e+04
61	65	3.450e+04	142.85	0.01	-48.52	0.0	1711.16	1046.63	15.36	364.60	-570.12	-9982.87
		-9982.87	-570.12	0.04	0.0	21.8	1711.16	1012.64	15.36	364.60	-213.63	1.252e+04
						43.6	1711.16	998.11	15.36	364.60	142.85	3.450e+04
61	66	2.354e+04	694.90	-2.25e-03	-48.52	0.0	-1629.47	-1074.26	-16.37	-358.80	694.90	2.354e+04
		-2.536e+04	-166.34	-0.03	0.0	21.8	-1629.47	-1108.26	-16.37	-358.80	264.28	-645.50
						43.6	-1629.47	-1122.78	-16.37	-358.80	-166.34	-2.536e+04
61	67	2.693e+04	-70.56	3.75e-03	-48.52	0.0	1676.89	971.74	13.47	611.40	-637.22	-1.514e+04
		-1.514e+04	-637.22	0.03	0.0	21.8	1676.89	937.74	13.47	611.40	-353.89	6155.94
						43.6	1676.89	923.22	13.47	611.40	-70.56	2.693e+04
61	68	2.073e+04	612.50	-0.01	-48.52	0.0	-1747.00	-1137.18	-14.80	-233.99	612.50	2.073e+04
		-3.028e+04	-411.15	-0.02	0.0	21.8	-1747.00	-1171.18	-14.80	-233.99	100.68	-4507.12
						43.6	-1747.00	-1185.70	-14.80	-233.99	-411.15	-3.028e+04
61	69	3.292e+04	152.14	0.01	-48.52	0.0	1767.28	1039.17	7.65	429.47	-559.87	-1.113e+04
		-1.113e+04	-559.87	0.03	0.0	21.8	1767.28	1005.18	7.65	429.47	-203.87	1.116e+04
						43.6	1767.28	990.65	7.65	429.47	152.14	3.292e+04
61	70	2.475e+04	689.85	-1.66e-03	-48.52	0.0	-1656.61	-1069.75	-20.61	-415.91	689.85	2.475e+04
		-2.428e+04	-188.45	-0.02	0.0	21.8	-1656.61	-1103.75	-20.61	-415.91	250.70	498.32
						43.6	-1656.61	-1118.27	-20.61	-415.91	-188.45	-2.428e+04
61	71	2.668e+04	-76.97	3.47e-03	-48.52	0.0	1691.38	970.27	7.50	615.27	-634.62	-1.511e+04
		-1.511e+04	-634.62	0.03	0.0	21.8	1691.38	936.27	7.50	615.27	-355.80	6046.55
						43.6	1691.38	921.74	7.50	615.27	-76.97	2.668e+04
61	72	2.076e+04	615.10	-0.01	-48.52	0.0	-1732.51	-1138.65	-20.77	-230.11	615.10	2.076e+04
		-3.053e+04	-417.56	-0.02	0.0	21.8	-1732.51	-1172.65	-20.77	-230.11	98.77	-4616.51
						43.6	-1732.51	-1187.18	-20.77	-230.11	-417.56	-3.053e+04
61	73	3.317e+04	158.55	0.01	-48.52	0.0	1752.79	1040.65	13.63	425.60	-562.47	-1.116e+04
		-1.116e+04	-562.47	0.03	0.0	21.8	1752.79	1006.65	13.63	425.60	-201.96	1.127e+04
						43.6	1752.79	992.12	13.63	425.60	158.55	3.317e+04
61	74	2.472e+04	687.25	-1.38e-03	-48.52	0.0	-1671.10	-1068.28	-14.64	-419.79	687.25	2.472e+04
		-2.403e+04	-182.04	-0.02	0.0	21.8	-1671.10	-1102.27	-14.64	-419.79	252.61	607.71
						43.6	-1671.10	-1116.80	-14.64	-419.79	-182.04	-2.403e+04
61	75	482.98	-237.50	-0.01	-48.52	0.0	299.72	120.96	8.39	438.07	-237.50	-4882.77

		-4882.77	-398.14	0.01	0.0	21.8	299.72	86.96	8.39	438.07	-317.82	-1935.29
						43.6	299.72	72.44	8.39	438.07	-398.14	482.98
61	76	3428.73	76.14	-0.01	-48.52	0.0	-528.55	-404.88	0.52	258.71	76.14	3428.73
		-1.436e+04	-474.88	-1.79e-03	0.0	21.8	-528.55	-438.88	0.52	258.71	-199.37	-5200.63
						43.6	-528.55	-453.41	0.52	258.71	-474.88	-1.436e+04
61	77	1.700e+04	215.87	0.02	-48.52	0.0	548.83	306.87	-7.67	-63.22	-23.51	6175.62
		6175.62	-23.51	0.01	0.0	21.8	548.83	272.88	-7.67	-63.22	96.18	1.185e+04
						43.6	548.83	258.35	-7.67	-63.22	215.87	1.700e+04
61	78	1.449e+04	290.13	0.01	-48.52	0.0	-279.44	-218.97	-15.53	-242.58	290.13	1.449e+04
		2162.79	139.13	-4.01e-03	0.0	21.8	-279.44	-252.96	-15.53	-242.58	214.63	8589.55
						43.6	-279.44	-267.49	-15.53	-242.58	139.13	2162.79
61	79	153.27	-235.60	-0.01	-48.52	0.0	310.04	119.47	7.96	453.19	-235.60	-5174.48
		-5174.48	-394.25	0.01	0.0	21.8	310.04	85.48	7.96	453.19	-314.93	-2246.01
						43.6	310.04	70.95	7.96	453.19	-394.25	153.27
61	80	3720.45	74.25	-0.01	-48.52	0.0	-538.87	-403.40	0.95	243.59	74.25	3720.45
		-1.403e+04	-478.77	-1.12e-03	0.0	21.8	-538.87	-437.39	0.95	243.59	-202.26	-4889.92
						43.6	-538.87	-451.92	0.95	243.59	-478.77	-1.403e+04
61	81	1.668e+04	219.76	0.02	-48.52	0.0	559.15	305.39	-8.09	-48.10	-21.61	5883.90
		5883.90	-21.61	0.01	0.0	21.8	559.15	271.39	-8.09	-48.10	99.07	1.154e+04
						43.6	559.15	256.87	-8.09	-48.10	219.76	1.668e+04
61	82	1.478e+04	288.23	0.01	-48.52	0.0	-289.76	-217.48	-15.10	-257.70	288.23	1.478e+04
		2492.50	135.24	-3.34e-03	0.0	21.8	-289.76	-251.48	-15.10	-257.70	211.74	8900.27
						43.6	-289.76	-266.01	-15.10	-257.70	135.24	2492.50
61	83	-202.77	-230.34	-0.01	-48.52	0.0	339.65	116.89	-8.10	448.75	-230.34	-4799.74
		-4799.74	-415.78	0.01	0.0	21.8	339.65	82.90	-8.10	448.75	-323.06	-2236.66
						43.6	339.65	68.37	-8.10	448.75	-415.78	-202.77
61	84	3511.76	83.29	-0.02	-48.52	0.0	-488.62	-408.95	-15.96	269.38	83.29	3511.76
		-1.504e+04	-492.52	-1.83e-03	0.0	21.8	-488.62	-442.94	-15.96	269.38	-204.61	-5502.00
						43.6	-488.62	-457.47	-15.96	269.38	-492.52	-1.504e+04
61	85	1.769e+04	233.51	0.02	-48.52	0.0	508.91	310.94	8.82	-73.90	-30.66	6092.59
		6092.59	-30.66	0.01	0.0	21.8	508.91	276.94	8.82	-73.90	101.42	1.216e+04
						43.6	508.91	262.41	8.82	-73.90	233.51	1.769e+04
61	86	1.440e+04	282.97	0.01	-48.52	0.0	-319.37	-214.90	0.95	-253.26	282.97	1.440e+04
		2848.54	156.77	-3.97e-03	0.0	21.8	-319.37	-248.90	0.95	-253.26	219.87	8890.92
						43.6	-319.37	-263.43	0.95	-253.26	156.77	2848.54
61	87	-532.49	-228.45	-0.01	-48.52	0.0	349.96	115.41	-8.53	463.87	-228.45	-5091.46
		-5091.46	-411.89	0.01	0.0	21.8	349.96	81.42	-8.53	463.87	-320.17	-2547.37

						43.6	349.96	66.89	-8.53	463.87	-411.89	-532.49
61	88	3803.48	81.40	-0.01	-48.52	0.0	-498.94	-407.46	-15.54	254.26	81.40	3803.48
		-1.472e+04	-496.41	-1.17e-03	0.0	21.8	-498.94	-441.46	-15.54	254.26	-207.51	-5191.28
						43.6	-498.94	-455.99	-15.54	254.26	-496.41	-1.472e+04
61	89	1.736e+04	237.40	0.02	-48.52	0.0	519.22	309.45	8.39	-58.78	-28.77	5800.87
		5800.87	-28.77	0.01	0.0	21.8	519.22	275.46	8.39	-58.78	104.32	1.185e+04
						43.6	519.22	260.93	8.39	-58.78	237.40	1.736e+04
61	90	1.470e+04	281.08	0.01	-48.52	0.0	-329.68	-213.42	1.38	-268.38	281.08	1.470e+04
		3178.25	152.88	-3.30e-03	0.0	21.8	-329.68	-247.42	1.38	-268.38	216.98	9201.63
						43.6	-329.68	-261.94	1.38	-268.38	152.88	3178.25
61	91	2.358e+04	-93.71	3.99e-03	-48.52	0.0	1353.22	799.51	11.95	471.87	-528.51	-1.071e+04
		-1.071e+04	-528.51	0.03	0.0	21.8	1353.22	765.51	11.95	471.87	-311.11	6700.84
						43.6	1353.22	750.99	11.95	471.87	-93.71	2.358e+04
61	92	1.700e+04	516.94	-9.88e-03	-48.52	0.0	-1407.68	-953.29	-14.28	-126.00	516.94	1.700e+04
		-2.589e+04	-349.50	-0.02	0.0	21.8	-1407.68	-987.29	-14.28	-126.00	83.72	-4183.63
						43.6	-1407.68	-1001.82	-14.28	-126.00	-349.50	-2.589e+04
61	93	2.854e+04	90.49	0.01	-48.52	0.0	1427.96	855.28	7.13	321.48	-464.31	-7391.57
		-7391.57	-464.31	0.03	0.0	21.8	1427.96	821.29	7.13	321.48	-186.91	1.084e+04
						43.6	1427.96	806.76	7.13	321.48	90.49	2.854e+04
61	94	2.031e+04	581.14	-1.91e-03	-48.52	0.0	-1332.94	-897.52	-19.09	-276.39	581.14	2.031e+04
		-2.094e+04	-165.30	-0.02	0.0	21.8	-1332.94	-931.51	-19.09	-276.39	207.92	-46.58
						43.6	-1332.94	-946.04	-19.09	-276.39	-165.30	-2.094e+04
61	95	2.338e+04	-99.00	3.76e-03	-48.52	0.0	1365.20	798.29	7.00	475.07	-526.36	-1.068e+04
		-1.068e+04	-526.36	0.03	0.0	21.8	1365.20	764.30	7.00	475.07	-312.68	6610.43
						43.6	1365.20	749.77	7.00	475.07	-99.00	2.338e+04
61	96	1.702e+04	519.09	-0.01	-48.52	0.0	-1395.70	-954.51	-19.22	-122.80	519.09	1.702e+04
		-2.610e+04	-354.79	-0.02	0.0	21.8	-1395.70	-988.51	-19.22	-122.80	82.15	-4274.04
						43.6	-1395.70	-1003.04	-19.22	-122.80	-354.79	-2.610e+04
61	97	2.874e+04	95.78	0.01	-48.52	0.0	1415.98	856.50	12.08	318.28	-466.46	-7416.48
		-7416.48	-466.46	0.03	0.0	21.8	1415.98	822.51	12.08	318.28	-185.34	1.093e+04
						43.6	1415.98	807.98	12.08	318.28	95.78	2.874e+04
61	98	2.029e+04	578.99	-1.68e-03	-48.52	0.0	-1344.92	-896.30	-14.15	-279.59	578.99	2.029e+04
		-2.073e+04	-160.01	-0.02	0.0	21.8	-1344.92	-930.30	-14.15	-279.59	209.49	43.83
						43.6	-1344.92	-944.82	-14.15	-279.59	-160.01	-2.073e+04
61	99	2.248e+04	-80.73	3.28e-03	-48.52	0.0	1387.62	794.56	10.52	522.27	-522.19	-1.168e+04
		-1.168e+04	-522.19	0.03	0.0	21.8	1387.62	760.57	10.52	522.27	-301.46	5665.12
						43.6	1387.62	746.04	10.52	522.27	-80.73	2.248e+04

61	100	1.797e+04	510.63	-9.16e-03	-48.52	0.0	-1442.07	-948.35	-12.85	-176.40	510.63	1.797e+04
		-2.479e+04	-362.48	-0.02	0.0	21.8	-1442.07	-982.34	-12.85	-176.40	74.07	-3147.92
						43.6	-1442.07	-996.87	-12.85	-176.40	-362.48	-2.479e+04
61	101	2.744e+04	103.47	0.01	-48.52	0.0	1462.36	850.34	5.70	371.89	-458.00	-8363.96
		-8363.96	-458.00	0.03	0.0	21.8	1462.36	816.34	5.70	371.89	-177.26	9802.18
						43.6	1462.36	801.81	5.70	371.89	103.47	2.744e+04
61	102	2.129e+04	574.83	-1.20e-03	-48.52	0.0	-1367.34	-892.57	-17.66	-326.79	574.83	2.129e+04
		-1.984e+04	-178.28	-0.02	0.0	21.8	-1367.34	-926.57	-17.66	-326.79	198.27	989.14
						43.6	-1367.34	-941.10	-17.66	-326.79	-178.28	-1.984e+04
61	103	2.228e+04	-86.03	3.05e-03	-48.52	0.0	1399.60	793.34	5.57	525.48	-520.05	-1.166e+04
		-1.166e+04	-520.05	0.03	0.0	21.8	1399.60	759.35	5.57	525.48	-303.04	5574.71
						43.6	1399.60	744.82	5.57	525.48	-86.03	2.228e+04
61	104	1.799e+04	512.78	-9.40e-03	-48.52	0.0	-1430.10	-949.57	-17.79	-173.20	512.78	1.799e+04
		-2.500e+04	-367.77	-0.02	0.0	21.8	-1430.10	-983.56	-17.79	-173.20	72.50	-3238.33
						43.6	-1430.10	-998.09	-17.79	-173.20	-367.77	-2.500e+04
61	105	2.764e+04	108.76	0.01	-48.52	0.0	1450.38	851.56	10.65	368.68	-460.14	-8388.86
		-8388.86	-460.14	0.03	0.0	21.8	1450.38	817.56	10.65	368.68	-175.69	9892.59
						43.6	1450.38	803.03	10.65	368.68	108.76	2.764e+04
61	106	2.126e+04	572.68	-9.61e-04	-48.52	0.0	-1379.32	-891.35	-12.72	-329.99	572.68	2.126e+04
		-1.963e+04	-172.99	-0.02	0.0	21.8	-1379.32	-925.35	-12.72	-329.99	199.85	1079.55
						43.6	-1379.32	-939.88	-12.72	-329.99	-172.99	-1.963e+04
62	1	1301.97	-0.06	-0.02	-17.07	0.0	1.92	35.93	1.80e-03	-0.83	-0.24	-1492.42
		-1492.42	-0.24	4.92e-03	0.0	51.0	1.92	27.40	1.80e-03	-0.83	-0.15	122.43
						102.0	1.92	18.86	1.80e-03	-0.83	-0.06	1301.97
62	2	4772.31	0.96	-0.04	-17.07	0.0	8.82	104.11	0.03	-3.91	-2.33	-4976.54
		-4976.54	-2.33	4.43e-03	0.0	51.0	8.82	95.58	0.03	-3.91	-0.69	115.54
						102.0	8.82	87.04	0.03	-3.91	0.96	4772.31
62	3	936.02	-0.06	-0.01	-13.13	0.0	1.35	26.35	8.14e-04	-0.58	-0.15	-1082.27
		-1082.27	-0.15	3.80e-03	0.0	51.0	1.35	19.79	8.14e-04	-0.58	-0.10	94.31
						102.0	1.35	13.22	8.14e-04	-0.58	-0.06	936.02
62	4	4406.37	0.95	-0.04	-13.13	0.0	8.24	94.53	0.03	-3.66	-2.24	-4566.38
		-4566.38	-2.24	3.31e-03	0.0	51.0	8.24	87.97	0.03	-3.66	-0.64	87.42
						102.0	8.24	81.40	0.03	-3.66	0.95	4406.37
62	5	973.04	-0.05	-0.01	-13.13	0.0	1.42	27.08	1.14e-03	-0.61	-0.17	-1119.43
		-1119.43	-0.17	3.79e-03	0.0	51.0	1.42	20.51	1.14e-03	-0.61	-0.11	94.23
						102.0	1.42	13.95	1.14e-03	-0.61	-0.05	973.04
62	6	3286.60	0.62	-0.03	-13.13	0.0	6.02	72.53	0.02	-2.66	-1.56	-3442.17
		-3442.17	-1.56	3.47e-03	0.0	51.0	6.02	65.97	0.02	-2.66	-0.47	89.64
						102.0	6.02	59.40	0.02	-2.66	0.62	3286.60
62	7	973.04	-0.05	-0.01	-13.13	0.0	1.42	27.08	1.14e-03	-0.61	-0.17	-1119.43
		-1119.43	-0.17	3.79e-03	0.0	51.0	1.42	20.51	1.14e-03	-0.61	-0.11	94.23

						102.0	1.42	13.95	1.14e-03	-0.61	-0.05	973.04
62	8	2592.53	0.42	-0.02	-13.13	0.0	4.64	58.90	0.02	-2.05	-1.14	-
2745.35												
		-2745.35	-1.14	3.56e-03	0.0	51.0	4.64	52.33	0.02	-2.05	-0.36	91.02
						102.0	4.64	45.77	0.02	-2.05	0.42	
2592.53												
62	9	973.04	-0.05	-0.01	-13.13	0.0	1.42	27.08	1.14e-03	-0.61	-0.17	-
1119.43												
		-1119.43	-0.17	3.79e-03	0.0	51.0	1.42	20.51	1.14e-03	-0.61	-0.11	94.23
						102.0	1.42	13.95	1.14e-03	-0.61	-0.05	973.04
62	10	2361.18	0.35	-0.02	-13.13	0.0	4.18	54.35	0.01	-1.84	-1.00	-
2513.08												
		-2513.08	-1.00	3.60e-03	0.0	51.0	4.18	47.79	0.01	-1.84	-0.33	91.48
						102.0	4.18	41.22	0.01	-1.84	0.35	
2361.18												
62	11	4364.62	3.35	-0.11	-13.13	0.0	29.27	-80.76	-0.11	-1.37	3.35	
4364.62												
		-4542.79	-7.92	0.61	0.0	51.0	29.27	-87.33	-0.11	-1.37	-2.28	78.34
						102.0	29.27	-93.89	-0.11	-1.37	-7.92	-
4542.79												
62	12	615.68	-1.20	0.09	-13.13	0.0	17.17	20.27	-4.29e-03	-3.76	-1.20	-
781.87												
		-781.87	-1.65	0.41	0.0	51.0	17.17	13.70	-4.29e-03	-3.76	-1.43	84.33
						102.0	17.17	7.14	-4.29e-03	-3.76	-1.65	615.68
62	13	4106.68	2.36	-0.14	-13.13	0.0	-8.81	88.44	0.03	0.07	-0.80	-
4244.28												
		-4244.28	-0.80	-0.41	0.0	51.0	-8.81	81.87	0.03	0.07	0.78	98.62
						102.0	-8.81	75.31	0.03	0.07	2.36	
4106.68												
62	14	9265.14	8.62	0.06	-13.13	0.0	-20.91	189.47	0.14	-2.32	-5.36	-
9390.78												
		-9390.78	-5.36	-0.61	0.0	51.0	-20.91	182.90	0.14	-2.32	1.63	104.61
						102.0	-20.91	176.33	0.14	-2.32	8.62	
9265.14												
62	15	4788.89	3.59	-0.12	-13.13	0.0	30.95	-89.10	-0.12	-1.27	3.59	
4788.89												
		-4969.18	-8.45	0.56	0.0	51.0	30.95	-95.67	-0.12	-1.27	-2.43	77.28
						102.0	30.95	-102.23	-0.12	-1.27	-8.45	-
4969.18												
62	16	1042.07	-1.11	0.10	-13.13	0.0	15.48	28.61	3.26e-03	-3.85	-1.44	-
1206.14												
		-1206.14	-1.44	0.46	0.0	51.0	15.48	22.04	3.26e-03	-3.85	-1.28	85.39
						102.0	15.48	15.48	3.26e-03	-3.85	-1.11	
1042.07												
62	17	3680.29	1.82	-0.14	-13.13	0.0	-7.12	80.10	0.02	0.17	-0.57	-
3820.02												
		-3820.02	-0.57	-0.46	0.0	51.0	-7.12	73.53	0.02	0.17	0.63	97.56
						102.0	-7.12	66.97	0.02	0.17	1.82	
3680.29												
62	18	9691.53	9.16	0.07	-13.13	0.0	-22.59	197.81	0.14	-2.41	-5.59	-
9815.04												
		-9815.04	-5.59	-0.56	0.0	51.0	-22.59	191.24	0.14	-2.41	1.78	105.67
						102.0	-22.59	184.67	0.14	-2.41	9.16	
9691.53												
62	19	4461.44	0.28	-0.20	-13.13	0.0	41.52	-82.69	-0.10	-1.29	0.28	
4461.44												
		-4642.81	-8.05	0.20	0.0	51.0	41.52	-89.26	-0.10	-1.29	-3.89	76.74
						102.0	41.52	-95.82	-0.10	-1.29	-8.05	-
4642.81												
62	20	515.66	-1.79	2.81e-03	-13.13	0.0	29.43	18.34	9.56e-03	-3.68	-4.28	-
685.05												
		-685.05	-4.28	-1.04e-03	0.0	51.0	29.43	11.77	9.56e-03	-3.68	-3.03	82.73
						102.0	29.43	5.21	9.56e-03	-3.68	-1.79	515.66
62	21	4206.69	2.49	-0.05	-13.13	0.0	-21.07	90.37	0.02	7.00e-04	2.27	-
4341.10												
		-4341.10	2.27	8.23e-03	0.0	51.0	-21.07	83.80	0.02	7.00e-04	2.38	100.23
						102.0	-21.07	77.24	0.02	7.00e-04	2.49	
4206.69												
62	22	9365.16	8.76	0.15	-13.13	0.0	-33.17	191.40	0.12	-2.39	-2.28	-
9487.59												
		-9487.59	-2.28	-0.19	0.0	51.0	-33.17	184.83	0.12	-2.39	3.24	106.21
						102.0	-33.17	178.26	0.12	-2.39	8.76	

9365.16												
62	23	4885.71	0.51	-0.21	-13.13	0.0	43.21	-91.03	-0.10	-1.20	0.51	
4885.71												
		-5069.20	-8.59	0.15	0.0	51.0	43.21	-97.60	-0.10	-1.20	-4.04	75.68
						102.0	43.21	-104.16	-0.10	-1.20	-8.59	-
5069.20												
62	24	942.05	-1.25	0.01	-13.13	0.0	27.74	26.68	0.02	-3.78	-4.52	-
1109.32												
		-1109.32	-4.52	0.05	0.0	51.0	27.74	20.11	0.02	-3.78	-2.88	83.79
						102.0	27.74	13.55	0.02	-3.78	-1.25	942.05
62	25	3780.30	2.51	-0.05	-13.13	0.0	-19.38	82.03	9.50e-03	0.09	2.51	-
3916.83												
		-3916.83	1.96	-0.04	0.0	51.0	-19.38	75.46	9.50e-03	0.09	2.23	99.16
						102.0	-19.38	68.90	9.50e-03	0.09	1.96	
3780.30												
62	26	9791.55	9.30	0.16	-13.13	0.0	-34.85	199.74	0.13	-2.48	-2.52	-
9911.86												
		-9911.86	-2.52	-0.14	0.0	51.0	-34.85	193.17	0.13	-2.48	3.39	107.27
						102.0	-34.85	186.60	0.13	-2.48	9.30	
9791.55												
62	27	7355.75	7.21	-0.35	-13.13	0.0	30.05	-139.41	-0.18	1.93	7.21	
7355.75												
		-7533.69	-11.63	0.49	0.0	51.0	30.05	-145.97	-0.18	1.93	-2.21	78.46
						102.0	30.05	-152.54	-0.18	1.93	-11.63	-
7533.69												
62	28	9661.20	9.26	0.32	-13.13	0.0	-10.27	197.35	0.17	-6.05	-7.98	-
9799.23												
		-9799.23	-7.98	-0.18	0.0	51.0	-10.27	190.79	0.17	-6.05	0.64	98.42
						102.0	-10.27	184.22	0.17	-6.05	9.26	
9661.20												
62	29	4773.07	5.97	-0.36	-13.13	0.0	18.63	-88.65	-0.14	2.36	5.97	
4773.07												
		-4938.85	-8.55	0.19	0.0	51.0	18.63	-95.21	-0.14	2.36	-1.29	84.54
						102.0	18.63	-101.78	-0.14	2.36	-8.55	-
4938.85												
62	30	1.226e+04	12.34	0.31	-13.13	0.0	-21.70	248.11	0.21	-5.61	-9.22	-
1.238e+04												
		-1.238e+04	-9.22	-0.49	0.0	51.0	-21.70	241.55	0.21	-5.61	1.56	104.50
						102.0	-21.70	234.98	0.21	-5.61	12.34	
1.226e+04												
62	31	7384.79	6.29	-0.38	-13.13	0.0	33.73	-139.99	-0.18	1.95	6.29	
7384.79												
		-7563.70	-11.67	0.37	0.0	51.0	33.73	-146.55	-0.18	1.95	-2.69	77.98
						102.0	33.73	-153.12	-0.18	1.95	-11.67	-
7563.70												
62	32	9631.20	9.22	0.29	-13.13	0.0	-6.60	196.77	0.17	-6.02	-8.90	-
9770.18												
		-9770.18	-8.90	-0.30	0.0	51.0	-6.60	190.21	0.17	-6.02	0.16	97.94
						102.0	-6.60	183.64	0.17	-6.02	9.22	
9631.20												
62	33	4744.03	6.89	-0.33	-13.13	0.0	14.95	-88.07	-0.15	2.34	6.89	
4744.03												
		-4908.85	-8.51	0.31	0.0	51.0	14.95	-94.64	-0.15	2.34	-0.81	85.02
						102.0	14.95	-101.20	-0.15	2.34	-8.51	-
4908.85												
62	34	1.229e+04	12.38	0.34	-13.13	0.0	-25.37	248.69	0.21	-5.64	-8.30	-
1.241e+04												
		-1.241e+04	-8.30	-0.36	0.0	51.0	-25.37	242.13	0.21	-5.64	2.04	104.98
						102.0	-25.37	235.56	0.21	-5.64	12.38	
1.229e+04												
62	35	8769.97	8.00	-0.38	-13.13	0.0	35.68	-167.21	-0.21	2.23	8.00	
8769.97												
		-8954.99	-13.42	0.33	0.0	51.0	35.68	-173.77	-0.21	2.23	-2.71	74.92
						102.0	35.68	-180.34	-0.21	2.23	-13.42	-
8954.99												
62	36	1.108e+04	11.05	0.34	-13.13	0.0	-15.89	225.15	0.19	-6.35	-8.76	-
1.121e+04												
		-1.121e+04	-8.76	-0.01	0.0	51.0	-15.89	218.59	0.19	-6.35	1.14	101.95
						102.0	-15.89	212.02	0.19	-6.35	11.05	
1.108e+04												
62	37	6187.30	6.75	-0.39	-13.13	0.0	24.25	-116.45	-0.17	2.67	6.75	
6187.30												

		-6360.15	-10.34	0.02	0.0	51.0	24.25	-123.01	-0.17	2.67	-1.80	81.00
						102.0	24.25	-129.58	-0.17	2.67	-10.34	-
6360.15												
62	38	1.368e+04	14.13	0.33	-13.13	0.0	-27.32	275.91	0.24	-5.92	-10.01	-
1.380e+04												
		-1.380e+04	-10.01	-0.32	0.0	51.0	-27.32	269.35	0.24	-5.92	2.06	108.04
						102.0	-27.32	262.78	0.24	-5.92	14.13	
1.368e+04												
62	39	8799.02	7.07	-0.41	-13.13	0.0	39.35	-167.79	-0.20	2.26	7.07	
8799.02												
		-8985.00	-13.46	0.20	0.0	51.0	39.35	-174.35	-0.20	2.26	-3.19	74.44
						102.0	39.35	-180.92	-0.20	2.26	-13.46	-
8985.00												
62	40	1.105e+04	11.01	0.32	-13.13	0.0	-12.22	224.57	0.20	-6.33	-9.68	-
1.118e+04												
		-1.118e+04	-9.68	-0.14	0.0	51.0	-12.22	218.01	0.20	-6.33	0.66	101.47
						102.0	-12.22	211.44	0.20	-6.33	11.01	
1.105e+04												
62	41	6158.26	7.67	-0.36	-13.13	0.0	20.58	-115.87	-0.17	2.64	7.67	
6158.26												
		-6330.15	-10.30	0.14	0.0	51.0	20.58	-122.43	-0.17	2.64	-1.31	81.48
						102.0	20.58	-129.00	-0.17	2.64	-10.30	-
6330.15												
62	42	1.371e+04	14.17	0.36	-13.13	0.0	-30.99	276.49	0.23	-5.94	-9.08	-
1.383e+04												
		-1.383e+04	-9.08	-0.19	0.0	51.0	-30.99	269.92	0.23	-5.94	2.54	108.52
						102.0	-30.99	263.36	0.23	-5.94	14.17	
1.371e+04												
62	43	2936.15	2.44	-0.09	-13.13	0.0	23.94	-52.70	-0.08	-1.45	2.44	
2936.15												
		-3108.89	-6.19	0.49	0.0	51.0	23.94	-59.26	-0.08	-1.45	-1.88	81.06
						102.0	23.94	-65.83	-0.08	-1.45	-6.19	-
3108.89												
62	44	979.46	-1.17	0.07	-13.13	0.0	14.47	27.37	-4.97e-04	-3.35	-1.17	-
1142.70												
		-1142.70	-1.22	0.33	0.0	51.0	14.47	20.81	-4.97e-04	-3.35	-1.20	85.81
						102.0	14.47	14.24	-4.97e-04	-3.35	-1.22	979.46
62	45	3742.90	1.93	-0.11	-13.13	0.0	-6.11	81.33	0.03	-0.33	-0.84	-
3883.45												
		-3883.45	-0.84	-0.32	0.0	51.0	-6.11	74.77	0.03	-0.33	0.55	97.15
						102.0	-6.11	68.20	0.03	-0.33	1.93	
3742.90												
62	46	7831.24	6.90	0.05	-13.13	0.0	-15.58	161.40	0.11	-2.23	-4.45	-
7962.30												
		-7962.30	-4.45	-0.48	0.0	51.0	-15.58	154.84	0.11	-2.23	1.23	101.90
						102.0	-15.58	148.27	0.11	-2.23	6.90	
7831.24												
62	47	3272.23	2.62	-0.10	-13.13	0.0	25.29	-59.31	-0.09	-1.38	2.62	
3272.23												
		-3446.65	-6.62	0.45	0.0	51.0	25.29	-65.87	-0.09	-1.38	-2.00	80.22
						102.0	25.29	-72.44	-0.09	-1.38	-6.62	-
3446.65												
62	48	1317.22	-0.80	0.08	-13.13	0.0	13.12	33.98	5.48e-03	-3.42	-1.36	-
1478.78												
		-1478.78	-1.36	0.37	0.0	51.0	13.12	27.41	5.48e-03	-3.42	-1.08	86.65
						102.0	13.12	20.85	5.48e-03	-3.42	-0.80	
1317.22												
62	49	3405.13	1.50	-0.12	-13.13	0.0	-4.76	74.73	0.02	-0.26	-0.65	-
3547.37												
		-3547.37	-0.65	-0.36	0.0	51.0	-4.76	68.16	0.02	-0.26	0.43	96.31
						102.0	-4.76	61.60	0.02	-0.26	1.50	
3405.13												
62	50	8169.00	7.32	0.05	-13.13	0.0	-16.93	168.01	0.12	-2.30	-4.63	-
8298.38												
		-8298.38	-4.63	-0.44	0.0	51.0	-16.93	161.44	0.12	-2.30	1.35	102.74
						102.0	-16.93	154.88	0.12	-2.30	7.32	
8169.00												
62	51	3011.20	0.04	-0.16	-13.13	0.0	33.66	-54.20	-0.07	-1.39	0.04	
3011.20												
		-3186.49	-6.30	0.16	0.0	51.0	33.66	-60.76	-0.07	-1.39	-3.13	79.79
						102.0	33.66	-67.33	-0.07	-1.39	-6.30	-
3186.49												

62	52	901.86	-1.33	-2.16e-03	-13.13	0.0	24.18	25.87	0.01	-3.29	-3.56	-1067.65
		-1067.65	-3.56	-1.15e-04	0.0	51.0	24.18	19.31	0.01	-3.29	-2.45	84.53
						102.0	24.18	12.74	0.01	-3.29	-1.33	901.86
62	53	3820.50	2.04	-0.04	-13.13	0.0	-15.83	82.83	0.02	-0.39	1.56	-3958.51
		-3958.51	1.56	7.31e-03	0.0	51.0	-15.83	76.26	0.02	-0.39	1.80	98.42
						102.0	-15.83	69.70	0.02	-0.39	2.04	3820.50
62	54	7908.84	7.00	0.12	-13.13	0.0	-25.30	162.90	0.10	-2.29	-2.05	-8037.35
		-8037.35	-2.05	-0.15	0.0	51.0	-25.30	156.33	0.10	-2.29	2.48	103.17
						102.0	-25.30	149.77	0.10	-2.29	7.00	7908.84
62	55	3347.28	0.23	-0.17	-13.13	0.0	35.00	-60.80	-0.08	-1.32	0.23	3347.28
		-3524.25	-6.72	0.12	0.0	51.0	35.00	-67.37	-0.08	-1.32	-3.25	78.94
						102.0	35.00	-73.93	-0.08	-1.32	-6.72	-3524.25
62	56	1239.62	-0.90	3.97e-03	-13.13	0.0	22.84	32.48	0.02	-3.36	-3.75	-1403.73
		-1403.73	-3.75	0.04	0.0	51.0	22.84	25.91	0.02	-3.36	-2.33	85.38
						102.0	22.84	19.35	0.02	-3.36	-0.90	1239.62
62	57	3482.73	1.74	-0.05	-13.13	0.0	-14.48	76.22	0.01	-0.32	1.74	-3622.43
		-3622.43	1.61	-0.03	0.0	51.0	-14.48	69.66	0.01	-0.32	1.68	97.58
						102.0	-14.48	63.09	0.01	-0.32	1.61	3482.73
62	58	8246.60	7.43	0.12	-13.13	0.0	-26.65	169.51	0.11	-2.36	-2.24	-8373.43
		-8373.43	-2.24	-0.11	0.0	51.0	-26.65	162.94	0.11	-2.36	2.60	104.01
						102.0	-26.65	156.37	0.11	-2.36	7.43	8246.60
62	59	5307.94	5.50	-0.28	-13.13	0.0	24.48	-99.20	-0.14	1.15	5.50	5307.94
		-5480.50	-9.14	0.39	0.0	51.0	24.48	-105.77	-0.14	1.15	-1.82	81.15
						102.0	24.48	-112.33	-0.14	1.15	-9.14	-5480.50
62	60	8147.31	7.41	0.25	-13.13	0.0	-7.11	167.70	0.14	-5.17	-6.52	-8288.21
		-8288.21	-6.52	-0.14	0.0	51.0	-7.11	161.13	0.14	-5.17	0.44	96.98
						102.0	-7.11	154.57	0.14	-5.17	7.41	8147.31
62	61	3262.06	4.52	-0.29	-13.13	0.0	15.47	-58.99	-0.11	1.49	4.52	3262.06
		-3424.96	-6.71	0.15	0.0	51.0	15.47	-65.56	-0.11	1.49	-1.10	85.98
						102.0	15.47	-72.12	-0.11	1.49	-6.71	-3424.96
62	62	1.020e+04	9.85	0.24	-13.13	0.0	-16.12	207.91	0.17	-4.84	-7.51	-1.033e+04
		-1.033e+04	-7.51	-0.38	0.0	51.0	-16.12	201.34	0.17	-4.84	1.17	101.81
						102.0	-16.12	194.78	0.17	-4.84	9.85	1.020e+04
62	63	5330.46	4.78	-0.31	-13.13	0.0	27.40	-99.65	-0.14	1.17	4.78	5330.46
		-5503.78	-9.18	0.29	0.0	51.0	27.40	-106.22	-0.14	1.17	-2.20	80.77
						102.0	27.40	-112.78	-0.14	1.17	-9.18	-5503.78
62	64	8124.03	7.38	0.23	-13.13	0.0	-4.19	167.25	0.14	-5.15	-7.24	-8265.70
		-8265.70	-7.24	-0.24	0.0	51.0	-4.19	160.68	0.14	-5.15	0.07	96.60
						102.0	-4.19	154.12	0.14	-5.15	7.38	8124.03
62	65	3239.55	5.23	-0.27	-13.13	0.0	12.55	-58.54	-0.11	1.47	5.23	3239.55
		-3401.68	-6.68	0.25	0.0	51.0	12.55	-65.11	-0.11	1.47	-0.72	86.36
						102.0	12.55	-71.68	-0.11	1.47	-6.68	-3401.68
62	66	1.023e+04	9.88	0.26	-13.13	0.0	-19.04	208.36	0.17	-4.85	-6.79	-1.036e+04
		-1.036e+04	-6.79	-0.29	0.0	51.0	-19.04	201.79	0.17	-4.85	1.55	102.19

						102.0	-19.04	195.22	0.17	-4.85	9.88		
1.023e+04													
62	67	6428.21	6.12	-0.30	-13.13	0.0	28.96	-121.22	-0.16	1.39	6.12		
6428.21													
		-6606.38	-10.56	0.26	0.0	51.0	28.96	-127.79	-0.16	1.39	-2.22	78.35	
						102.0	28.96	-134.35	-0.16	1.39	-10.56	-	
6606.38													
62	68	9273.19	8.83	0.27	-13.13	0.0	-11.58	189.72	0.16	-5.41	-7.14	-	
9408.48													
		-9408.48	-7.14	-9.61e-03	0.0	51.0	-11.58	183.15	0.16	-5.41	0.84	99.79	
						102.0	-11.58	176.59	0.16	-5.41	8.83		
9273.19													
62	69	4382.33	5.14	-0.31	-13.13	0.0	19.94	-81.01	-0.13	1.73	5.14		
4382.33													
		-4550.84	-8.13	0.02	0.0	51.0	19.94	-87.58	-0.13	1.73	-1.50	83.17	
						102.0	19.94	-94.15	-0.13	1.73	-8.13	-	
4550.84													
62	70	1.133e+04	11.27	0.26	-13.13	0.0	-20.60	229.93	0.19	-5.08	-8.13	-	
1.145e+04													
		-1.145e+04	-8.13	-0.25	0.0	51.0	-20.60	223.36	0.19	-5.08	1.57	104.61	
						102.0	-20.60	216.80	0.19	-5.08	11.27		
1.133e+04													
62	71	6450.73	5.40	-0.33	-13.13	0.0	31.87	-121.67	-0.16	1.41	5.40		
6450.73													
		-6629.66	-10.59	0.16	0.0	51.0	31.87	-128.24	-0.16	1.41	-2.60	77.96	
						102.0	31.87	-134.80	-0.16	1.41	-10.59	-	
6629.66													
62	72	9249.91	8.80	0.25	-13.13	0.0	-8.67	189.27	0.16	-5.39	-7.86	-	
9385.96													
		-9385.96	-7.86	-0.11	0.0	51.0	-8.67	182.70	0.16	-5.39	0.47	99.40	
						102.0	-8.67	176.14	0.16	-5.39	8.80		
9249.91													
62	73	4359.81	5.85	-0.29	-13.13	0.0	17.03	-80.56	-0.13	1.71	5.85		
4359.81													
		-4527.56	-8.09	0.12	0.0	51.0	17.03	-87.13	-0.13	1.71	-1.12	83.55	
						102.0	17.03	-93.70	-0.13	1.71	-8.09	-	
4527.56													
62	74	1.135e+04	11.30	0.28	-13.13	0.0	-23.52	230.38	0.19	-5.09	-7.41	-	
1.148e+04													
		-1.148e+04	-7.41	-0.15	0.0	51.0	-23.52	223.81	0.19	-5.09	1.95	104.99	
						102.0	-23.52	217.25	0.19	-5.09	11.30		
1.135e+04													
62	75	1990.29	1.84	-0.08	-13.13	0.0	20.53	-34.12	-0.07	-1.52	1.84		
1990.29													
		-2159.41	-5.06	0.40	0.0	51.0	20.53	-40.68	-0.07	-1.52	-1.61	82.87	
						102.0	20.53	-47.25	-0.07	-1.52	-5.06	-	
2159.41													
62	76	1219.24	-0.95	0.05	-13.13	0.0	12.69	32.05	1.86e-03	-3.09	-1.14	-	
1380.52													
		-1380.52	-1.14	0.27	0.0	51.0	12.69	25.49	1.86e-03	-3.09	-1.05	86.79	
						102.0	12.69	18.92	1.86e-03	-3.09	-0.95		
1219.24													
62	77	3503.11	1.66	-0.10	-13.13	0.0	-4.33	76.65	0.02	-0.60	-0.87	-	
3645.63													
		-3645.63	-0.87	-0.26	0.0	51.0	-4.33	70.09	0.02	-0.60	0.40	96.17	
						102.0	-4.33	63.52	0.02	-0.60	1.66		
3503.11													
62	78	6881.76	5.76	0.03	-13.13	0.0	-12.17	142.82	0.09	-2.16	-3.85	-	
7016.44													
		-7016.44	-3.85	-0.40	0.0	51.0	-12.17	136.26	0.09	-2.16	0.96	100.09	
						102.0	-12.17	129.69	0.09	-2.16	5.76		
6881.76													
62	79	2268.03	1.99	-0.08	-13.13	0.0	21.64	-39.58	-0.07	-1.46	1.99		
2268.03													
		-2438.55	-5.41	0.37	0.0	51.0	21.64	-46.14	-0.07	-1.46	-1.71	82.17	
						102.0	21.64	-52.71	-0.07	-1.46	-5.41	-	
2438.55													
62	80	1498.38	-0.60	0.06	-13.13	0.0	11.58	37.51	6.80e-03	-3.15	-1.29	-	
1658.26													
		-1658.26	-1.29	0.30	0.0	51.0	11.58	30.95	6.80e-03	-3.15	-0.95	87.49	
						102.0	11.58	24.38	6.80e-03	-3.15	-0.60		
1498.38													

62	81	3223.97	1.31	-0.10	-13.13	0.0	-3.22	71.19	0.02	-0.54	-0.71	-
3367.89												
		-3367.89	-0.71	-0.30	0.0	51.0	-3.22	64.63	0.02	-0.54	0.30	95.47
						102.0	-3.22	58.06	0.02	-0.54	1.31	
3223.97												
62	82	7160.90	6.12	0.04	-13.13	0.0	-13.28	148.28	0.10	-2.22	-4.00	-
7294.19												
		-7294.19	-4.00	-0.36	0.0	51.0	-13.28	141.72	0.10	-2.22	1.06	100.79
						102.0	-13.28	135.15	0.10	-2.22	6.12	
7160.90												
62	83	2052.38	-0.14	-0.14	-13.13	0.0	28.55	-35.36	-0.06	-1.47	-0.14	
2052.38												
		-2223.60	-5.15	0.13	0.0	51.0	28.55	-41.92	-0.06	-1.47	-2.64	81.82
						102.0	28.55	-48.49	-0.06	-1.47	-5.15	-
2223.60												
62	84	1155.05	-1.04	-5.59e-03	-13.13	0.0	20.72	30.82	0.01	-3.04	-3.12	-
1318.43												
		-1318.43	-3.12	5.43e-04	0.0	51.0	20.72	24.25	0.01	-3.04	-2.08	85.74
						102.0	20.72	17.68	0.01	-3.04	-1.04	
1155.05												
62	85	3567.30	1.75	-0.04	-13.13	0.0	-12.36	77.89	0.02	-0.64	1.12	-
3707.72												
		-3707.72	1.12	6.65e-03	0.0	51.0	-12.36	71.32	0.02	-0.64	1.43	97.22
						102.0	-12.36	64.76	0.02	-0.64	1.75	
3567.30												
62	86	6945.96	5.85	0.09	-13.13	0.0	-20.20	144.06	0.08	-2.21	-1.87	-
7078.53												
		-7078.53	-1.87	-0.13	0.0	51.0	-20.20	137.49	0.08	-2.21	1.99	101.14
						102.0	-20.20	130.93	0.08	-2.21	5.85	
6945.96												
62	87	2330.12	0.01	-0.14	-13.13	0.0	29.66	-40.81	-0.06	-1.41	0.01	
2330.12												
		-2502.74	-5.50	0.10	0.0	51.0	29.66	-47.38	-0.06	-1.41	-2.74	81.12
						102.0	29.66	-53.95	-0.06	-1.41	-5.50	-
2502.74												
62	88	1434.19	-0.69	-6.81e-04	-13.13	0.0	19.61	36.28	0.02	-3.10	-3.28	-
1596.18												
		-1596.18	-3.28	0.03	0.0	51.0	19.61	29.71	0.02	-3.10	-1.98	86.44
						102.0	19.61	23.14	0.02	-3.10	-0.69	
1434.19												
62	89	3288.16	1.39	-0.04	-13.13	0.0	-11.25	72.43	0.01	-0.58	1.27	-
3429.98												
		-3429.98	1.27	-0.03	0.0	51.0	-11.25	65.86	0.01	-0.58	1.33	96.52
						102.0	-11.25	59.30	0.01	-0.58	1.39	
3288.16												
62	90	7225.09	6.20	0.10	-13.13	0.0	-21.31	149.52	0.09	-2.27	-2.02	-
7356.27												
		-7356.27	-2.02	-0.09	0.0	51.0	-21.31	142.95	0.09	-2.27	2.09	101.84
						102.0	-21.31	136.39	0.09	-2.27	6.20	
7225.09												
62	91	3950.33	4.37	-0.24	-13.13	0.0	20.97	-72.55	-0.12	0.63	4.37	
3950.33												
		-4119.30	-7.50	0.32	0.0	51.0	20.97	-79.11	-0.12	0.63	-1.56	82.94
						102.0	20.97	-85.68	-0.12	0.63	-7.50	-
4119.30												
62	92	7142.89	6.19	0.20	-13.13	0.0	-5.16	148.02	0.11	-4.59	-5.57	-
7285.70												
		-7285.70	-5.57	-0.12	0.0	51.0	-5.16	141.46	0.11	-4.59	0.31	96.02
						102.0	-5.16	134.89	0.11	-4.59	6.19	
7142.89												
62	93	2259.55	3.56	-0.24	-13.13	0.0	13.51	-39.32	-0.09	0.91	3.56	
2259.55												
		-2420.54	-5.48	0.12	0.0	51.0	13.51	-45.88	-0.09	0.91	-0.96	86.93
						102.0	13.51	-52.45	-0.09	0.91	-5.48	-
2420.54												
62	94	8841.65	8.20	0.19	-13.13	0.0	-12.61	181.25	0.14	-4.32	-6.38	-
8976.48												
		-8976.48	-6.38	-0.32	0.0	51.0	-12.61	174.69	0.14	-4.32	0.91	100.01
						102.0	-12.61	168.12	0.14	-4.32	8.20	
8841.65												
62	95	3968.95	3.78	-0.26	-13.13	0.0	23.38	-72.92	-0.11	0.65	3.78	
3968.95												

		-4138.55	-7.52	0.24	0.0	51.0	23.38	-79.48	-0.11	0.65	-1.87	82.63
						102.0	23.38	-86.05	-0.11	0.65	-7.52	-
4138.55												
62	96	7123.63	6.16	0.18	-13.13	0.0	-2.75	147.65	0.12	-4.58	-6.16	-
7267.08												
		-7267.08	-6.16	-0.20	0.0	51.0	-2.75	141.08	0.12	-4.58	-2.11e-04	95.71
						102.0	-2.75	134.52	0.12	-4.58	6.16	
7123.63												
62	97	2240.92	4.15	-0.23	-13.13	0.0	11.11	-38.95	-0.09	0.89	4.15	
2240.92												
		-2401.28	-5.45	0.20	0.0	51.0	11.11	-45.51	-0.09	0.89	-0.65	87.25
						102.0	11.11	-52.08	-0.09	0.89	-5.45	-
2401.28												
62	98	8860.91	8.23	0.21	-13.13	0.0	-15.02	181.62	0.14	-4.33	-5.78	-
8995.10												
		-8995.10	-5.78	-0.24	0.0	51.0	-15.02	175.06	0.14	-4.33	1.22	100.33
						102.0	-15.02	168.49	0.14	-4.33	8.23	
8860.91												
62	99	4876.14	4.88	-0.26	-13.13	0.0	24.67	-90.75	-0.13	0.83	4.88	
4876.14												
		-5049.75	-8.67	0.21	0.0	51.0	24.67	-97.31	-0.13	0.83	-1.89	80.62
						102.0	24.67	-103.88	-0.13	0.83	-8.67	-
5049.75												
62	100	8073.35	7.36	0.22	-13.13	0.0	-8.85	166.22	0.13	-4.79	-6.08	-
8211.52												
		-8211.52	-6.08	-7.27e-03	0.0	51.0	-8.85	159.65	0.13	-4.79	0.64	98.34
						102.0	-8.85	153.09	0.13	-4.79	7.36	
8073.35												
62	101	3185.36	4.07	-0.26	-13.13	0.0	17.21	-57.52	-0.10	1.11	4.07	
3185.36												
		-3350.99	-6.65	0.01	0.0	51.0	17.21	-64.08	-0.10	1.11	-1.29	84.61
						102.0	17.21	-70.65	-0.10	1.11	-6.65	-
3350.99												
62	102	9772.10	9.37	0.21	-13.13	0.0	-16.31	199.45	0.16	-4.51	-6.89	-
9902.29												
		-9902.29	-6.89	-0.21	0.0	51.0	-16.31	192.88	0.16	-4.51	1.24	102.33
						102.0	-16.31	186.32	0.16	-4.51	9.37	
9772.10												
62	103	4894.77	4.29	-0.27	-13.13	0.0	27.08	-91.12	-0.13	0.84	4.29	
4894.77												
		-5069.01	-8.69	0.13	0.0	51.0	27.08	-97.68	-0.13	0.84	-2.20	80.31
						102.0	27.08	-104.25	-0.13	0.84	-8.69	-
5069.01												
62	104	8054.09	7.33	0.20	-13.13	0.0	-6.45	165.85	0.13	-4.78	-6.67	-
8192.89												
		-8192.89	-6.67	-0.09	0.0	51.0	-6.45	159.28	0.13	-4.78	0.33	98.03
						102.0	-6.45	152.72	0.13	-4.78	7.33	
8054.09												
62	105	3166.74	4.66	-0.24	-13.13	0.0	14.80	-57.14	-0.11	1.09	4.66	
3166.74												
		-3331.74	-6.63	0.10	0.0	51.0	14.80	-63.71	-0.11	1.09	-0.98	84.93
						102.0	14.80	-70.28	-0.11	1.09	-6.63	-
3331.74												
62	106	9791.36	9.40	0.23	-13.13	0.0	-18.72	199.82	0.16	-4.53	-6.30	-
9920.92												
		-9920.92	-6.30	-0.13	0.0	51.0	-18.72	193.26	0.16	-4.53	1.55	102.65
						102.0	-18.72	186.69	0.16	-4.53	9.40	
9791.36												
63	1	-186.68	0.16	-0.01	-47.94	0.0	-0.46	22.24	0.01	3.37	-0.95	-
911.03												
		-911.03	-0.95	5.31e-03	0.0	55.5	-0.46	2.33	0.01	3.37	-0.39	-
192.28												
						110.9	-0.46	-25.70	0.01	3.37	0.16	-
803.13												
63	2	74.08	2.67	-0.02	-214.80	0.0	4.48	77.77	-0.10	27.77	2.67	-
3017.76												
		-3017.76	-8.55	4.70e-03	0.0	55.5	4.48	16.15	-0.10	27.77	-2.94	10.31
						110.9	4.48	-137.03	-0.10	27.77	-8.55	-
2919.09												
63	3	-148.52	0.29	-7.51e-03	-33.73	0.0	-0.45	16.06	9.82e-03	2.13	-0.80	-
661.03												
		-661.03	-0.80	4.10e-03	0.0	55.5	-0.45	1.53	9.82e-03	2.13	-0.26	-

151.73												
						110.9	-0.45	-17.67	9.82e-03	2.13	0.29	-
577.86												
63	4	112.24	2.82	-0.02	-200.59	0.0	4.49	71.59	-0.10	26.53	2.82	-
2767.77												
		-2767.77	-8.42	3.48e-03	0.0	55.5	4.49	15.35	-0.10	26.53	-2.80	50.86
						110.9	4.49	-129.00	-0.10	26.53	-8.42	-
2693.82												
63	5	-145.74	0.20	-7.63e-03	-35.51	0.0	-0.39	16.65	8.63e-03	2.39	-0.76	-
683.51												
		-683.51	-0.76	4.09e-03	0.0	55.5	-0.39	1.68	8.63e-03	2.39	-0.28	-
149.57												
						110.9	-0.39	-18.86	8.63e-03	2.39	0.20	-
600.43												
63	6	28.10	1.65	-0.02	-146.75	0.0	2.90	53.67	-0.07	18.66	1.65	-
2087.99												
		-2087.99	-5.61	3.68e-03	0.0	55.5	2.90	10.89	-0.07	18.66	-1.98	-14.51
						110.9	2.90	-93.08	-0.07	18.66	-5.61	-
2011.07												
63	7	-145.74	0.20	-7.63e-03	-35.51	0.0	-0.39	16.65	8.63e-03	2.39	-0.76	-
683.51												
		-683.51	-0.76	4.09e-03	0.0	55.5	-0.39	1.68	8.63e-03	2.39	-0.28	-
149.57												
						110.9	-0.39	-18.86	8.63e-03	2.39	0.20	-
600.43												
63	8	-24.05	0.93	-0.01	-113.38	0.0	1.91	42.57	-0.04	13.78	0.93	-
1666.65												
		-1666.65	-3.87	3.80e-03	0.0	55.5	1.91	8.13	-0.04	13.78	-1.47	-55.03
						110.9	1.91	-70.81	-0.04	13.78	-3.87	-
1587.88												
63	9	-145.74	0.20	-7.63e-03	-35.51	0.0	-0.39	16.65	8.63e-03	2.39	-0.76	-
683.51												
		-683.51	-0.76	4.09e-03	0.0	55.5	-0.39	1.68	8.63e-03	2.39	-0.28	-
149.57												
						110.9	-0.39	-18.86	8.63e-03	2.39	0.20	-
600.43												
63	10	-41.44	0.69	-0.01	-102.25	0.0	1.58	38.86	-0.04	12.15	0.69	-
1526.20												
		-1526.20	-3.29	3.85e-03	0.0	55.5	1.58	7.20	-0.04	12.15	-1.30	-68.53
						110.9	1.58	-63.39	-0.04	12.15	-3.29	-
1446.81												
63	11	665.68	36.39	-0.14	-102.25	0.0	-21.92	114.44	0.66	-5.87	-36.83	-
6864.65												
		-6864.65	-36.83	0.08	0.0	55.5	-21.92	82.78	0.66	-5.87	-0.22	-
1681.51												
						110.9	-21.92	12.19	0.66	-5.87	36.39	665.68
63	12	9006.06	22.48	0.06	-102.25	0.0	-28.07	-143.40	0.40	1.29	-21.71	
9006.06												
		-1.208e+04	-21.71	0.02	0.0	55.5	-28.07	-175.06	0.40	1.29	0.38	-
121.48												
						110.9	-28.07	-245.65	0.40	1.29	22.48	-
1.208e+04												
63	13	9191.34	23.08	-0.09	-102.25	0.0	31.23	221.12	-0.47	23.01	23.08	-
1.206e+04												
		-1.206e+04	-29.05	-0.01	0.0	55.5	31.23	189.46	-0.47	23.01	-2.98	-15.58
						110.9	31.23	118.87	-0.47	23.01	-29.05	
9191.34												
63	14	3812.25	38.21	0.12	-102.25	0.0	25.09	-36.71	-0.73	30.18	38.21	
3812.25												
		-3559.30	-42.96	-0.07	0.0	55.5	25.09	-68.37	-0.73	30.18	-2.38	
1544.45												
						110.9	25.09	-138.97	-0.73	30.18	-42.96	-
3559.30												
63	15	568.29	40.92	-0.15	-102.25	0.0	-30.67	116.51	0.74	-7.01	-40.80	-
7195.47												
		-7195.47	-40.80	0.08	0.0	55.5	-30.67	84.86	0.74	-7.01	0.06	-
1895.62												
						110.9	-30.67	14.26	0.74	-7.01	40.92	568.29
63	16	9336.88	17.94	0.07	-102.25	0.0	-19.32	-145.47	0.32	2.43	-17.74	
9336.88												
		-1.199e+04	-17.74	0.02	0.0	55.5	-19.32	-177.13	0.32	2.43	0.10	92.63
						110.9	-19.32	-247.72	0.32	2.43	17.94	-

1.199e+04												
63	17	9093.95	19.11	-0.09	-102.25	0.0	22.49	223.20	-0.39	21.87	19.11	-
1.239e+04												
		-1.239e+04	-24.52	-0.01	0.0	55.5	22.49	191.54	-0.39	21.87	-2.70	-
229.69												
						110.9	22.49	120.95	-0.39	21.87	-24.52	
9093.95												
63	18	4143.08	42.18	0.12	-102.25	0.0	33.84	-38.79	-0.81	31.31	42.18	
4143.08												
		-3461.92	-47.50	-0.07	0.0	55.5	33.84	-70.45	-0.81	31.31	-2.66	
1758.55												
						110.9	33.84	-141.04	-0.81	31.31	-47.50	-
3461.92												
63	19	495.53	-25.57	-0.14	-102.25	0.0	-22.45	116.90	0.62	-6.71	-36.02	-
7338.03												
		-7338.03	-36.02	0.22	0.0	55.5	-22.45	85.24	0.62	-6.71	-30.80	-
2003.28												
						110.9	-22.45	14.64	0.62	-6.71	-25.57	495.53
63	20	8532.68	-20.90	0.07	-102.25	0.0	-28.59	-140.94	0.36	0.46	-20.90	
8532.68												
		-1.226e+04	-39.48	0.16	0.0	55.5	-28.59	-172.60	0.36	0.46	-30.19	-
443.25												
						110.9	-28.59	-243.19	0.36	0.46	-39.48	-
1.226e+04												
63	21	9361.50	32.90	-0.09	-102.25	0.0	31.75	218.67	-0.43	23.85	22.27	-
1.159e+04												
		-1.159e+04	22.27	-0.16	0.0	55.5	31.75	187.01	-0.43	23.85	27.59	306.18
						110.9	31.75	116.41	-0.43	23.85	32.90	
9361.50												
63	22	4285.63	37.39	0.12	-102.25	0.0	25.61	-39.17	-0.69	31.01	37.39	
4285.63												
		-3389.15	19.00	-0.21	0.0	55.5	25.61	-70.83	-0.69	31.01	28.19	
1866.21												
						110.9	25.61	-141.42	-0.69	31.01	19.00	-
3389.15												
63	23	398.14	-21.04	-0.15	-102.25	0.0	-31.19	118.97	0.69	-7.85	-39.99	-
7668.85												
		-7668.85	-39.99	0.22	0.0	55.5	-31.19	87.31	0.69	-7.85	-30.51	-
2217.38												
						110.9	-31.19	16.72	0.69	-7.85	-21.04	398.14
63	24	8863.51	-16.93	0.07	-102.25	0.0	-19.84	-143.01	0.28	1.60	-16.93	
8863.51												
		-1.216e+04	-44.01	0.16	0.0	55.5	-19.84	-174.67	0.28	1.60	-30.47	-
229.14												
						110.9	-19.84	-245.27	0.28	1.60	-44.01	-
1.216e+04												
63	25	9264.11	37.44	-0.09	-102.25	0.0	23.01	220.74	-0.35	22.71	18.30	-
1.192e+04												
		-1.192e+04	18.30	-0.16	0.0	55.5	23.01	189.08	-0.35	22.71	27.87	92.07
						110.9	23.01	118.49	-0.35	22.71	37.44	
9264.11												
63	26	4616.45	41.36	0.12	-102.25	0.0	34.36	-41.25	-0.77	32.15	41.36	
4616.45												
		-3291.76	14.46	-0.21	0.0	55.5	34.36	-72.90	-0.77	32.15	27.91	
2080.32												
						110.9	34.36	-143.50	-0.77	32.15	14.46	-
3291.76												
63	27	1.853e+04	29.71	-0.37	-102.25	0.0	3.84	452.59	0.57	-4.12	-33.50	-
2.720e+04												
		-2.720e+04	-33.50	0.12	0.0	55.5	3.84	420.93	0.57	-4.12	-1.90	-
2918.48												
						110.9	3.84	350.33	0.57	-4.12	29.71	
1.853e+04												
63	28	2.570e+04	16.90	0.33	-102.25	0.0	-16.63	-406.86	-0.30	19.76	16.90	
2.570e+04												
		-2.398e+04	-16.65	-0.08	0.0	55.5	-16.63	-438.52	-0.30	19.76	0.13	
2281.63												
						110.9	-16.63	-509.12	-0.30	19.76	-16.65	-
2.398e+04												
63	29	2.108e+04	10.08	-0.35	-102.25	0.0	19.79	484.59	0.23	4.54	-15.53	-
2.876e+04												
		-2.876e+04	-15.53	0.09	0.0	55.5	19.79	452.93	0.23	4.54	-2.73	-

2418.70											
					110.9	19.79	382.34	0.23	4.54	10.08	
2.108e+04											
63	30	2.415e+04	34.88	0.34	-102.25	0.0	-0.68	-374.86	-0.64	28.43	34.88
2.415e+04											
		-2.142e+04	-36.28	-0.11	0.0	55.5	-0.68	-406.52	-0.64	28.43	-0.70
2781.41											
						110.9	-0.68	-477.11	-0.64	28.43	-36.28
2.142e+04											
63	31	1.847e+04	11.12	-0.37	-102.25	0.0	3.69	453.33	0.56	-4.37	-33.26
2.734e+04											
		-2.734e+04	-33.26	0.16	0.0	55.5	3.69	421.67	0.56	-4.37	-11.07
3015.01											
						110.9	3.69	351.07	0.56	-4.37	11.12
1.847e+04											
63	32	2.556e+04	17.14	0.33	-102.25	0.0	-16.78	-406.13	-0.31	19.51	17.14
2.556e+04											
		-2.403e+04	-35.24	-0.04	0.0	55.5	-16.78	-437.79	-0.31	19.51	-9.05
2185.10											
						110.9	-16.78	-508.38	-0.31	19.51	-35.24
2.403e+04											
63	33	2.113e+04	28.66	-0.35	-102.25	0.0	19.95	483.86	0.24	4.79	-15.77
2.861e+04											
		-2.861e+04	-15.77	0.05	0.0	55.5	19.95	452.20	0.24	4.79	6.44
2322.17											
						110.9	19.95	381.60	0.24	4.79	28.66
2.113e+04											
63	34	2.429e+04	34.63	0.34	-102.25	0.0	-0.52	-375.60	-0.63	28.68	34.63
2.429e+04											
		-2.137e+04	-17.70	-0.15	0.0	55.5	-0.52	-407.26	-0.63	28.68	8.47
2877.94											
						110.9	-0.52	-477.85	-0.63	28.68	-17.70
2.137e+04											
63	35	1.820e+04	44.82	-0.38	-102.25	0.0	-25.31	459.50	0.82	-7.92	-46.74
2.830e+04											
		-2.830e+04	-46.74	0.12	0.0	55.5	-25.31	427.85	0.82	-7.92	-0.96
3632.16											
						110.9	-25.31	357.25	0.82	-7.92	44.82
1.820e+04											
63	36	2.681e+04	30.14	0.34	-102.25	0.0	12.53	-413.78	-0.56	23.55	30.14
2.681e+04											
		-2.365e+04	-31.77	-0.08	0.0	55.5	12.53	-445.44	-0.56	23.55	-0.81
2995.32											
						110.9	12.53	-516.04	-0.56	23.55	-31.77
2.365e+04											
63	37	2.076e+04	25.19	-0.37	-102.25	0.0	-9.36	491.51	0.49	0.75	-28.77
2.986e+04											
		-2.986e+04	-28.77	0.09	0.0	55.5	-9.36	459.85	0.49	0.75	-1.79
3132.38											
						110.9	-9.36	389.26	0.49	0.75	25.19
2.076e+04											
63	38	2.525e+04	48.11	0.36	-102.25	0.0	28.47	-381.78	-0.90	32.22	48.11
2.525e+04											
		-2.109e+04	-51.40	-0.11	0.0	55.5	28.47	-413.44	-0.90	32.22	-1.64
3495.10											
						110.9	28.47	-484.03	-0.90	32.22	-51.40
2.109e+04											
63	39	1.815e+04	26.24	-0.38	-102.25	0.0	-25.46	460.24	0.81	-8.17	-46.50
2.844e+04											
		-2.844e+04	-46.50	0.16	0.0	55.5	-25.46	428.58	0.81	-8.17	-10.13
3728.69											
						110.9	-25.46	357.99	0.81	-8.17	26.24
1.815e+04											
63	40	2.666e+04	30.38	0.34	-102.25	0.0	12.37	-413.04	-0.57	23.30	30.38
2.666e+04											
		-2.370e+04	-50.35	-0.04	0.0	55.5	12.37	-444.70	-0.57	23.30	-9.99
2898.79											
						110.9	12.37	-515.30	-0.57	23.30	-50.35
2.370e+04											
63	41	2.081e+04	43.78	-0.37	-102.25	0.0	-9.20	490.77	0.50	1.00	-29.01
2.972e+04											
		-2.972e+04	-29.01	0.05	0.0	55.5	-9.20	459.11	0.50	1.00	7.38

3035.86												
						110.9	-9.20	388.52	0.50	1.00	43.78	
2.081e+04												
63	42	2.539e+04	47.87	0.36	-102.25	0.0	28.63	-382.51	-0.88	32.47	47.87	
2.539e+04												
		-2.104e+04	-32.81	-0.15	0.0	55.5	28.63	-414.17	-0.88	32.47	7.53	
3591.63												
						110.9	28.63	-484.77	-0.88	32.47	-32.81	-
2.104e+04												
63	43	258.14	28.00	-0.12	-102.25	0.0	-16.96	99.11	0.51	-2.11	-28.93	-
5817.73												
		-5817.73	-28.93	0.06	0.0	55.5	-16.96	67.45	0.51	-2.11	-0.46	-
1375.91												
						110.9	-16.96	-3.14	0.51	-2.11	28.00	229.97
63	44	6761.55	17.01	0.05	-102.25	0.0	-21.73	-105.25	0.31	3.56	-16.98	
6761.55												
		-9876.43	-16.98	0.02	0.0	55.5	-21.73	-136.91	0.31	3.56	0.01	-
139.46												
						110.9	-21.73	-207.51	0.31	3.56	17.01	-
9876.43												
63	45	6982.80	18.35	-0.07	-102.25	0.0	24.89	182.98	-0.38	20.74	18.35	-
9813.95												
		-9813.95	-23.58	-8.31e-03	0.0	55.5	24.89	151.32	-0.38	20.74	-2.62	2.40
						110.9	24.89	80.73	-0.38	20.74	-23.58	
6982.80												
63	46	2765.33	30.30	0.09	-102.25	0.0	20.12	-21.38	-0.58	26.41	30.30	
2765.33												
		-3123.59	-34.58	-0.06	0.0	55.5	20.12	-53.04	-0.58	26.41	-2.14	
1238.84												
						110.9	20.12	-123.64	-0.58	26.41	-34.58	-
3123.59												
63	47	169.33	31.60	-0.12	-102.25	0.0	-23.81	100.76	0.57	-3.01	-32.08	-
6079.80												
		-6079.80	-32.08	0.06	0.0	55.5	-23.81	69.10	0.57	-3.01	-0.24	-
1545.57												
						110.9	-23.81	-1.50	0.57	-3.01	31.60	152.71
63	48	7023.63	13.41	0.05	-102.25	0.0	-14.88	-106.90	0.25	4.47	-13.83	
7023.63												
		-9799.16	-13.83	0.02	0.0	55.5	-14.88	-138.56	0.25	4.47	-0.21	30.20
						110.9	-14.88	-209.15	0.25	4.47	13.41	-
9799.16												
63	49	6905.54	15.20	-0.08	-102.25	0.0	18.05	184.63	-0.32	19.84	15.20	-
1.008e+04												
		-1.008e+04	-19.98	-8.44e-03	0.0	55.5	18.05	152.97	-0.32	19.84	-2.39	-
167.27												
						110.9	18.05	82.37	-0.32	19.84	-19.98	
6905.54												
63	50	3027.40	33.45	0.10	-102.25	0.0	26.97	-23.03	-0.65	27.31	33.45	
3027.40												
		-3046.33	-38.17	-0.06	0.0	55.5	26.97	-54.69	-0.65	27.31	-2.36	
1408.51												
						110.9	26.97	-125.28	-0.65	27.31	-38.17	-
3046.33												
63	51	107.33	-20.71	-0.12	-102.25	0.0	-17.31	101.07	0.48	-2.77	-28.23	-
6206.41												
		-6206.41	-28.23	0.18	0.0	55.5	-17.31	69.41	0.48	-2.77	-24.47	-
1637.73												
						110.9	-17.31	-1.18	0.48	-2.77	-20.71	95.01
63	52	6372.87	-16.28	0.05	-102.25	0.0	-22.08	-103.30	0.27	2.90	-16.28	
6372.87												
		-1.001e+04	-31.71	0.13	0.0	55.5	-22.08	-134.96	0.27	2.90	-23.99	-
401.28												
						110.9	-22.08	-205.55	0.27	2.90	-31.71	-
1.001e+04												
63	53	7117.76	25.13	-0.07	-102.25	0.0	25.24	181.03	-0.34	21.40	17.65	-
9425.27												
		-9425.27	17.65	-0.12	0.0	55.5	25.24	149.37	-0.34	21.40	21.39	264.22
						110.9	25.24	78.77	-0.34	21.40	25.13	
7117.76												
63	54	3154.01	29.60	0.09	-102.25	0.0	20.47	-23.34	-0.55	27.07	29.60	
3154.01												
		-2988.64	14.14	-0.17	0.0	55.5	20.47	-55.00	-0.55	27.07	21.87	

1500.66												
						110.9	20.47	-125.60	-0.55	27.07	14.14	-
2988.64												
63	55	18.51	-17.12	-0.12	-102.25	0.0	-24.15	102.71	0.54	-3.67	-31.38	-
6468.48												
		-6468.48	-31.38	0.18	0.0	55.5	-24.15	71.05	0.54	-3.67	-24.25	-
1807.39												
						110.9	-24.15	0.46	0.54	-3.67	-17.12	17.75
63	56	6634.95	-13.13	0.05	-102.25	0.0	-15.23	-104.94	0.21	3.81	-13.13	
6634.95												
		-9934.12	-35.31	0.13	0.0	55.5	-15.23	-136.60	0.21	3.81	-24.22	-
231.61												
						110.9	-15.23	-207.19	0.21	3.81	-35.31	-
9934.12												
63	57	7040.50	28.73	-0.08	-102.25	0.0	18.40	182.67	-0.28	20.50	14.50	-
9687.34												
		-9687.34	14.50	-0.12	0.0	55.5	18.40	151.01	-0.28	20.50	21.62	94.55
						110.9	18.40	80.41	-0.28	20.50	28.73	
7040.50												
63	58	3416.08	32.76	0.09	-102.25	0.0	27.32	-24.98	-0.61	27.97	32.76	
3416.08												
		-2911.37	10.54	-0.17	0.0	55.5	27.32	-56.64	-0.61	27.97	21.65	
1670.33												
						110.9	27.32	-127.24	-0.61	27.97	10.54	-
2911.37												
63	59	1.438e+04	22.77	-0.29	-102.25	0.0	3.25	366.90	0.44	-0.73	-26.33	-
2.189e+04												
		-2.189e+04	-26.33	0.09	0.0	55.5	3.25	335.24	0.44	-0.73	-1.78	-
2336.02												
						110.9	3.25	264.64	0.44	-0.73	22.77	
1.438e+04												
63	60	2.004e+04	13.52	0.26	-102.25	0.0	-12.64	-314.33	-0.25	18.18	13.52	
2.004e+04												
		-1.930e+04	-13.87	-0.06	0.0	55.5	-12.64	-345.99	-0.25	18.18	-0.18	
1785.46												
						110.9	-12.64	-416.58	-0.25	18.18	-13.87	-
1.930e+04												
63	61	1.641e+04	7.30	-0.28	-102.25	0.0	15.81	392.06	0.17	6.13	-12.14	-
2.309e+04												
		-2.309e+04	-12.14	0.07	0.0	55.5	15.81	360.40	0.17	6.13	-2.42	-
1922.52												
						110.9	15.81	289.80	0.17	6.13	7.30	
1.641e+04												
63	62	1.884e+04	27.70	0.27	-102.25	0.0	-0.09	-289.17	-0.51	25.03	27.70	
1.884e+04												
		-1.728e+04	-29.35	-0.09	0.0	55.5	-0.09	-320.83	-0.51	25.03	-0.83	
2198.95												
						110.9	-0.09	-391.42	-0.51	25.03	-29.35	-
1.728e+04												
63	63	1.434e+04	8.16	-0.29	-102.25	0.0	3.15	367.48	0.43	-0.93	-26.12	-
2.201e+04												
		-2.201e+04	-26.12	0.13	0.0	55.5	3.15	335.82	0.43	-0.93	-8.98	-
2414.56												
						110.9	3.15	265.23	0.43	-0.93	8.16	
1.434e+04												
63	64	1.992e+04	13.72	0.26	-102.25	0.0	-12.75	-313.74	-0.26	17.98	13.72	
1.992e+04												
		-1.934e+04	-28.49	-0.03	0.0	55.5	-12.75	-345.40	-0.26	17.98	-7.38	
1706.91												
						110.9	-12.75	-415.99	-0.26	17.98	-28.49	-
1.934e+04												
63	65	1.645e+04	21.91	-0.28	-102.25	0.0	15.92	391.47	0.19	6.32	-12.35	-
2.297e+04												
		-2.297e+04	-12.35	0.04	0.0	55.5	15.92	359.81	0.19	6.32	4.78	-
1843.98												
						110.9	15.92	289.22	0.19	6.32	21.91	
1.645e+04												
63	66	1.896e+04	27.49	0.27	-102.25	0.0	0.02	-289.75	-0.50	25.23	27.49	
1.896e+04												
		-1.724e+04	-14.73	-0.12	0.0	55.5	0.02	-321.41	-0.50	25.23	6.38	
2277.50												
						110.9	0.02	-392.01	-0.50	25.23	-14.73	-

1.724e+04												
63	67	1.413e+04	34.77	-0.30	-102.25	0.0	-19.57	372.37	0.65	-3.73	-36.83	-
2.277e+04												
		-2.277e+04	-36.83	0.09	0.0	55.5	-19.57	340.71	0.65	-3.73	-1.03	-
2901.58												
						110.9	-19.57	270.12	0.65	-3.73	34.77	
1.413e+04												
63	68	2.091e+04	24.02	0.27	-102.25	0.0	10.18	-319.80	-0.45	21.18	24.02	
2.091e+04												
		-1.905e+04	-25.87	-0.06	0.0	55.5	10.18	-351.46	-0.45	21.18	-0.93	
2351.02												
						110.9	10.18	-422.06	-0.45	21.18	-25.87	-
1.905e+04												
63	69	1.615e+04	19.30	-0.29	-102.25	0.0	-7.01	397.53	0.38	3.12	-22.65	-
2.396e+04												
		-2.396e+04	-22.65	0.07	0.0	55.5	-7.01	365.87	0.38	3.12	-1.68	-
2488.08												
						110.9	-7.01	295.28	0.38	3.12	19.30	
1.615e+04												
63	70	1.971e+04	38.20	0.28	-102.25	0.0	22.73	-294.64	-0.72	28.04	38.20	
1.971e+04												
		-1.702e+04	-41.35	-0.08	0.0	55.5	22.73	-326.30	-0.72	28.04	-1.57	
2764.51												
						110.9	22.73	-396.90	-0.72	28.04	-41.35	-
1.702e+04												
63	71	1.409e+04	20.16	-0.30	-102.25	0.0	-19.67	372.96	0.63	-3.93	-36.62	-
2.288e+04												
		-2.288e+04	-36.62	0.13	0.0	55.5	-19.67	341.30	0.63	-3.93	-8.23	-
2980.12												
						110.9	-19.67	270.71	0.63	-3.93	20.16	
1.409e+04												
63	72	2.080e+04	24.23	0.27	-102.25	0.0	10.07	-319.22	-0.46	20.99	24.23	
2.080e+04												
		-1.909e+04	-40.49	-0.03	0.0	55.5	10.07	-350.88	-0.46	20.99	-8.13	
2272.47												
						110.9	10.07	-421.47	-0.46	20.99	-40.49	-
1.909e+04												
63	73	1.619e+04	33.91	-0.29	-102.25	0.0	-6.91	396.95	0.39	3.32	-22.86	-
2.385e+04												
		-2.385e+04	-22.86	0.04	0.0	55.5	-6.91	365.29	0.39	3.32	5.53	-
2409.54												
						110.9	-6.91	294.69	0.39	3.32	33.91	
1.619e+04												
63	74	1.983e+04	37.99	0.28	-102.25	0.0	22.84	-295.23	-0.71	28.24	37.99	
1.983e+04												
		-1.698e+04	-26.73	-0.12	0.0	55.5	22.84	-326.89	-0.71	28.24	5.63	
2843.06												
						110.9	22.84	-397.49	-0.71	28.24	-26.73	-
1.698e+04												
63	75	51.37	22.61	-0.10	-102.25	0.0	-13.77	88.64	0.42	0.37	-23.82	-
5068.56												
		-5068.56	-23.82	0.05	0.0	55.5	-13.77	56.98	0.42	0.37	-0.60	-
1146.90												
						110.9	-13.77	-13.62	0.42	0.37	22.61	-61.18
63	76	5327.08	13.52	0.04	-102.25	0.0	-17.73	-80.25	0.25	5.05	-13.94	
5327.08												
		-8413.20	-13.94	0.01	0.0	55.5	-17.73	-111.91	0.25	5.05	-0.21	-
125.09												
						110.9	-17.73	-182.51	0.25	5.05	13.52	-
8413.20												
63	77	5519.57	15.31	-0.06	-102.25	0.0	20.89	157.98	-0.32	19.25	15.31	-
8379.48												
		-8379.48	-20.10	-6.07e-03	0.0	55.5	20.89	126.32	-0.32	19.25	-2.39	-11.98
						110.9	20.89	55.73	-0.32	19.25	-20.10	
5519.57												
63	78	2016.16	25.19	0.07	-102.25	0.0	16.94	-10.91	-0.49	23.94	25.19	
2016.16												
		-2832.44	-29.19	-0.04	0.0	55.5	16.94	-42.57	-0.49	23.94	-2.00	
1009.83												
						110.9	16.94	-113.16	-0.49	23.94	-29.19	-
2832.44												
63	79	-31.57	25.59	-0.10	-102.25	0.0	-19.44	89.99	0.47	-0.38	-26.42	-

5285.14												
		-5285.14	-26.42	0.05	0.0	55.5	-19.44	58.33	0.47	-0.38	-0.42	-
1287.11												
						110.9	-19.44	-12.26	0.47	-0.38	25.59	-
125.03												
63	80	5543.66	10.55	0.04	-102.25	0.0	-12.06	-81.61	0.20	5.80	-11.34	
5543.66												
		-8349.35	-11.34	0.01	0.0	55.5	-12.06	-113.27	0.20	5.80	-0.39	15.13
						110.9	-12.06	-183.87	0.20	5.80	10.55	-
8349.35												
63	81	5455.73	12.71	-0.07	-102.25	0.0	15.22	159.34	-0.27	18.50	12.71	-
8596.06												
		-8596.06	-17.12	-6.17e-03	0.0	55.5	15.22	127.68	-0.27	18.50	-2.21	-
152.19												
						110.9	15.22	57.09	-0.27	18.50	-17.12	
5455.73												
63	82	2232.75	27.80	0.08	-102.25	0.0	22.61	-12.27	-0.54	24.68	27.80	
2232.75												
		-2768.59	-32.16	-0.04	0.0	55.5	22.61	-43.93	-0.54	24.68	-2.18	
1150.05												
						110.9	22.61	-114.52	-0.54	24.68	-32.16	-
2768.59												
63	83	-86.30	-17.74	-0.10	-102.25	0.0	-14.06	90.25	0.39	-0.18	-23.25	-
5389.14												
		-5389.14	-23.25	0.15	0.0	55.5	-14.06	58.60	0.39	-0.18	-20.49	-
1362.95												
						110.9	-14.06	-12.00	0.39	-0.18	-17.74	-
172.71												
63	84	5006.50	-13.37	0.04	-102.25	0.0	-18.02	-78.64	0.22	4.51	-13.37	
5006.50												
		-8524.73	-26.83	0.11	0.0	55.5	-18.02	-110.30	0.22	4.51	-20.10	-
341.14												
						110.9	-18.02	-180.89	0.22	4.51	-26.83	-
8524.73												
63	85	5631.10	20.25	-0.06	-102.25	0.0	21.18	156.36	-0.29	19.80	14.74	-
8058.90												
		-8058.90	14.74	-0.10	0.0	55.5	21.18	124.70	-0.29	19.80	17.50	204.08
						110.9	21.18	54.11	-0.29	19.80	20.25	
5631.10												
63	86	2336.74	24.62	0.07	-102.25	0.0	17.23	-12.53	-0.46	24.48	24.62	
2336.74												
		-2720.91	11.16	-0.14	0.0	55.5	17.23	-44.19	-0.46	24.48	17.89	
1225.89												
						110.9	17.23	-114.78	-0.46	24.48	11.16	-
2720.91												
63	87	-165.98	-14.77	-0.10	-102.25	0.0	-19.73	91.61	0.44	-0.93	-25.85	-
5605.72												
		-5605.72	-25.85	0.15	0.0	55.5	-19.73	59.95	0.44	-0.93	-20.31	-
1503.17												
						110.9	-19.73	-10.64	0.44	-0.93	-14.77	-
236.56												
63	88	5223.08	-10.76	0.04	-102.25	0.0	-12.35	-79.99	0.17	5.25	-10.76	
5223.08												
		-8460.88	-29.80	0.11	0.0	55.5	-12.35	-111.65	0.17	5.25	-20.28	-
200.93												
						110.9	-12.35	-182.25	0.17	5.25	-29.80	-
8460.88												
63	89	5567.26	23.23	-0.07	-102.25	0.0	15.51	157.72	-0.24	19.05	12.13	-
8275.48												
		-8275.48	12.13	-0.10	0.0	55.5	15.51	126.06	-0.24	19.05	17.68	63.86
						110.9	15.51	55.47	-0.24	19.05	23.23	
5567.26												
63	90	2553.32	27.22	0.08	-102.25	0.0	22.90	-13.88	-0.51	25.23	27.22	
2553.32												
		-2657.06	8.19	-0.14	0.0	55.5	22.90	-45.54	-0.51	25.23	17.71	
1366.10												
						110.9	22.90	-116.14	-0.51	25.23	8.19	-
2657.06												
63	91	1.164e+04	18.27	-0.24	-102.25	0.0	2.97	309.95	0.36	1.51	-21.65	-
1.836e+04												
		-1.836e+04	-21.65	0.08	0.0	55.5	2.97	278.29	0.36	1.51	-1.69	-
1941.79												

					110.9	2.97	207.69	0.36	1.51	18.27	
1.164e+04											
63	92	1.630e+04	11.29	0.21	-102.25	0.0	-10.20	-253.02	-0.21	17.13	11.29	
1.630e+04											
		-1.620e+04	-12.03	-0.05	0.0	55.5	-10.20	-284.68	-0.21	17.13	-0.37	
1464.25											
						110.9	-10.20	-355.28	-0.21	17.13	-12.03	-
1.620e+04											
63	93	1.331e+04	5.46	-0.23	-102.25	0.0	13.37	330.75	0.14	7.17	-9.91	-
1.935e+04											
		-1.935e+04	-9.91	0.06	0.0	55.5	13.37	299.09	0.14	7.17	-2.23	-
1601.32											
						110.9	13.37	228.50	0.14	7.17	5.46	
1.331e+04											
63	94	1.530e+04	23.02	0.22	-102.25	0.0	0.20	-232.22	-0.43	22.80	23.02	
1.530e+04											
		-1.453e+04	-24.85	-0.07	0.0	55.5	0.20	-263.88	-0.43	22.80	-0.91	
1804.73											
						110.9	0.20	-334.47	-0.43	22.80	-24.85	-
1.453e+04											
63	95	1.160e+04	6.17	-0.24	-102.25	0.0	2.88	310.43	0.35	1.34	-21.48	-
1.845e+04											
		-1.845e+04	-21.48	0.11	0.0	55.5	2.88	278.77	0.35	1.34	-7.66	-
2006.61											
						110.9	2.88	208.18	0.35	1.34	6.17	
1.160e+04											
63	96	1.620e+04	11.46	0.21	-102.25	0.0	-10.29	-252.54	-0.22	16.97	11.46	
1.620e+04											
		-1.624e+04	-24.14	-0.02	0.0	55.5	-10.29	-284.20	-0.22	16.97	-6.34	
1399.43											
						110.9	-10.29	-354.79	-0.22	16.97	-24.14	-
1.624e+04											
63	97	1.334e+04	17.56	-0.23	-102.25	0.0	13.46	330.26	0.15	7.34	-10.09	-
1.925e+04											
		-1.925e+04	-10.09	0.03	0.0	55.5	13.46	298.61	0.15	7.34	3.74	-
1536.50											
						110.9	13.46	228.01	0.15	7.34	17.56	
1.334e+04											
63	98	1.540e+04	22.85	0.22	-102.25	0.0	0.28	-232.70	-0.42	22.96	22.85	
1.540e+04											
		-1.450e+04	-12.74	-0.10	0.0	55.5	0.28	-264.36	-0.42	22.96	5.06	
1869.54											
						110.9	0.28	-334.96	-0.42	22.96	-12.74	-
1.450e+04											
63	99	1.142e+04	28.18	-0.25	-102.25	0.0	-15.92	314.47	0.53	-0.98	-30.33	-
1.908e+04											
		-1.908e+04	-30.33	0.08	0.0	55.5	-15.92	282.81	0.53	-0.98	-1.08	-
2409.17											
						110.9	-15.92	212.22	0.53	-0.98	28.18	
1.142e+04											
63	100	1.702e+04	19.96	0.22	-102.25	0.0	8.69	-257.55	-0.38	19.62	19.96	
1.702e+04											
		-1.599e+04	-21.94	-0.05	0.0	55.5	8.69	-289.21	-0.38	19.62	-0.99	
1931.63											
						110.9	8.69	-359.80	-0.38	19.62	-21.94	-
1.599e+04											
63	101	1.310e+04	15.37	-0.24	-102.25	0.0	-5.52	335.28	0.31	4.69	-18.59	-
2.007e+04											
		-2.007e+04	-18.59	0.06	0.0	55.5	-5.52	303.62	0.31	4.69	-1.61	-
2068.70											
						110.9	-5.52	233.02	0.31	4.69	15.37	
1.310e+04											
63	102	1.603e+04	31.70	0.23	-102.25	0.0	19.09	-236.74	-0.60	25.28	31.70	
1.603e+04											
		-1.432e+04	-34.76	-0.07	0.0	55.5	19.09	-268.40	-0.60	25.28	-1.53	
2272.11											
						110.9	19.09	-339.00	-0.60	25.28	-34.76	-
1.432e+04											
63	103	1.139e+04	16.08	-0.25	-102.25	0.0	-16.01	314.96	0.52	-1.14	-30.16	-
1.917e+04											
		-1.917e+04	-30.16	0.11	0.0	55.5	-16.01	283.30	0.52	-1.14	-7.04	-
2473.99											

						110.9	-16.01	212.70	0.52	-1.14	16.08	
1.139e+04												
63	104	1.692e+04	20.14	0.22	-102.25	0.0	8.60	-257.06	-0.39	19.45	20.14	
1.692e+04												
		-1.602e+04	-34.05	-0.02	0.0	55.5	8.60	-288.72	-0.39	19.45	-6.96	
1866.82												
						110.9	8.60	-359.32	-0.39	19.45	-34.05	-
1.602e+04												
63	105	1.313e+04	27.47	-0.24	-102.25	0.0	-5.43	334.79	0.31	4.85	-18.76	-
1.997e+04												
		-1.997e+04	-18.76	0.03	0.0	55.5	-5.43	303.13	0.31	4.85	4.35	-
2003.88												
						110.9	-5.43	232.54	0.31	4.85	27.47	
1.313e+04												
63	106	1.612e+04	31.53	0.23	-102.25	0.0	19.17	-237.23	-0.59	25.45	31.53	
1.612e+04												
		-1.428e+04	-22.65	-0.10	0.0	55.5	19.17	-268.89	-0.59	25.45	4.44	
2336.92												
						110.9	19.17	-339.48	-0.59	25.45	-22.65	-
1.428e+04												
66	1	2127.52	5.14	-0.02	-17.07	0.0	0.48	52.52	-0.10	0.52	5.14	-
2358.52												
		-2358.52	-5.15	4.89e-03	0.0	51.0	0.48	43.98	-0.10	0.52	-5.39e-03	102.16
						102.0	0.48	35.45	-0.10	0.52	-5.15	
2127.52												
66	2	7658.18	24.23	-0.04	-17.07	0.0	0.41	160.96	-0.48	1.27	24.23	-
7888.68												
		-7888.68	-24.29	0.01	0.0	51.0	0.41	152.42	-0.48	1.27	-0.03	102.40
						102.0	0.41	143.88	-0.48	1.27	-24.29	
7658.18												
66	3	1532.18	3.60	-0.01	-13.13	0.0	0.37	38.35	-0.07	0.38	3.60	-
1709.88												
		-1709.88	-3.60	3.59e-03	0.0	51.0	0.37	31.78	-0.07	0.38	-3.68e-03	78.58
						102.0	0.37	25.22	-0.07	0.38	-3.60	
1532.18												
66	4	7062.84	22.68	-0.04	-13.13	0.0	0.30	146.79	-0.45	1.13	22.68	-
7240.04												
		-7240.04	-22.74	0.01	0.0	51.0	0.30	140.22	-0.45	1.13	-0.03	78.83
						102.0	0.30	133.66	-0.45	1.13	-22.74	
7062.84												
66	5	1591.18	3.80	-0.01	-13.13	0.0	0.37	39.51	-0.07	0.39	3.80	-
1768.87												
		-1768.87	-3.81	3.68e-03	0.0	51.0	0.37	32.94	-0.07	0.39	-3.94e-03	78.58
						102.0	0.37	26.38	-0.07	0.39	-3.81	
1591.18												
66	6	5278.28	16.52	-0.03	-13.13	0.0	0.33	111.80	-0.32	0.89	16.52	-
5455.65												
		-5455.65	-16.56	9.88e-03	0.0	51.0	0.33	105.23	-0.32	0.89	-0.02	78.75
						102.0	0.33	98.67	-0.32	0.89	-16.56	
5278.28												
66	7	1591.18	3.80	-0.01	-13.13	0.0	0.37	39.51	-0.07	0.39	3.80	-
1768.87												
		-1768.87	-3.81	3.68e-03	0.0	51.0	0.37	32.94	-0.07	0.39	-3.94e-03	78.58
						102.0	0.37	26.38	-0.07	0.39	-3.81	
1591.18												
66	8	4172.15	12.71	-0.02	-13.13	0.0	0.34	90.11	-0.25	0.74	12.71	-
4349.61												
		-4349.61	-12.74	8.02e-03	0.0	51.0	0.34	83.55	-0.25	0.74	-0.02	78.70
						102.0	0.34	76.98	-0.25	0.74	-12.74	
4172.15												
66	9	1591.18	3.80	-0.01	-13.13	0.0	0.37	39.51	-0.07	0.39	3.80	-
1768.87												
		-1768.87	-3.81	3.68e-03	0.0	51.0	0.37	32.94	-0.07	0.39	-3.94e-03	78.58
						102.0	0.37	26.38	-0.07	0.39	-3.81	
1591.18												
66	10	3803.44	11.43	-0.02	-13.13	0.0	0.34	82.88	-0.22	0.69	11.43	-
3980.94												
		-3980.94	-11.46	7.40e-03	0.0	51.0	0.34	76.32	-0.22	0.69	-0.01	78.68
						102.0	0.34	69.75	-0.22	0.69	-11.46	
3803.44												
66	11	9969.09	7.34	-0.11	-13.13	0.0	-0.58	-190.56	-0.14	8.50	7.34	
9969.09												

		-1.014e+04	-7.31	0.29	0.0	51.0	-0.58	-197.13	-0.14	8.50	0.01	83.03
						102.0	-0.58	-203.69	-0.14	8.50	-7.31	-
1.014e+04												
66	12	342.67	22.33	0.09	-13.13	0.0	-1.05	-1.85	-0.44	3.84	22.33	342.67
		-515.36	-22.20	0.26	0.0	51.0	-1.05	-8.41	-0.44	3.84	0.07	81.08
						102.0	-1.05	-14.98	-0.44	3.84	-22.20	-
515.36												
66	13	8122.24	0.53	-0.14	-13.13	0.0	1.73	167.61	-0.01	-2.46	0.53	-
8304.54												
		-8304.54	-0.72	-0.24	0.0	51.0	1.73	161.05	-0.01	-2.46	-0.09	76.28
						102.0	1.73	154.48	-0.01	-2.46	-0.72	
8122.24												
66	14	1.774e+04	15.53	0.06	-13.13	0.0	1.27	356.33	-0.31	-7.11	15.53	-
1.793e+04												
		-1.793e+04	-15.61	-0.28	0.0	51.0	1.27	349.76	-0.31	-7.11	-0.04	74.32
						102.0	1.27	343.20	-0.31	-7.11	-15.61	
1.774e+04												
66	15	1.082e+04	6.95	-0.12	-13.13	0.0	-1.00	-207.28	-0.14	9.06	6.95	
1.082e+04												
		-1.099e+04	-6.94	0.30	0.0	51.0	-1.00	-213.85	-0.14	9.06	6.61e-03	83.29
						102.0	-1.00	-220.41	-0.14	9.06	-6.94	-
1.099e+04												
66	16	337.02	22.73	0.10	-13.13	0.0	-0.63	14.87	-0.44	3.28	22.73	-
510.23												
		-510.23	-22.58	0.25	0.0	51.0	-0.63	8.31	-0.44	3.28	0.08	80.82
						102.0	-0.63	1.74	-0.44	3.28	-22.58	337.02
66	17	7269.86	0.14	-0.14	-13.13	0.0	1.32	150.89	-4.80e-03	-1.89	0.14	-
7451.64												
		-7451.64	-0.35	-0.24	0.0	51.0	1.32	144.33	-4.80e-03	-1.89	-0.10	76.53
						102.0	1.32	137.76	-4.80e-03	-1.89	-0.35	
7269.86												
66	18	1.860e+04	15.92	0.07	-13.13	0.0	1.68	373.05	-0.31	-7.68	15.92	-
1.878e+04												
		-1.878e+04	-15.98	-0.28	0.0	51.0	1.68	366.48	-0.31	-7.68	-0.03	74.07
						102.0	1.68	359.91	-0.31	-7.68	-15.98	
1.860e+04												
66	19	1.052e+04	6.42	-0.20	-13.13	0.0	1.87	-201.35	-0.13	8.83	6.42	
1.052e+04												
		-1.069e+04	-6.40	0.07	0.0	51.0	1.87	-207.91	-0.13	8.83	0.01	82.54
						102.0	1.87	-214.48	-0.13	8.83	-6.40	-
1.069e+04												
66	20	892.22	21.41	2.52e-03	-13.13	0.0	1.41	-12.63	-0.42	4.17	21.41	892.22
		-1065.91	-21.28	0.04	0.0	51.0	1.41	-19.20	-0.42	4.17	0.06	80.58
						102.0	1.41	-25.76	-0.42	4.17	-21.28	-
1065.91												
66	21	8672.79	1.46	-0.05	-13.13	0.0	-0.72	178.40	-0.03	-2.79	1.46	-
8854.09												
		-8854.09	-1.64	-0.02	0.0	51.0	-0.72	171.83	-0.03	-2.79	-0.09	76.78
						102.0	-0.72	165.27	-0.03	-2.79	-1.64	
8672.79												
66	22	1.830e+04	16.45	0.15	-13.13	0.0	-1.19	367.11	-0.32	-7.44	16.45	-
1.848e+04												
		-1.848e+04	-16.53	-0.06	0.0	51.0	-1.19	360.55	-0.32	-7.44	-0.04	74.82
						102.0	-1.19	353.98	-0.32	-7.44	-16.53	
1.830e+04												
66	23	1.137e+04	6.03	-0.21	-13.13	0.0	1.46	-218.06	-0.12	9.39	6.03	
1.137e+04												
		-1.154e+04	-6.02	0.08	0.0	51.0	1.46	-224.63	-0.12	9.39	2.75e-03	82.79
						102.0	1.46	-231.20	-0.12	9.39	-6.02	-
1.154e+04												
66	24	104.19	21.80	0.01	-13.13	0.0	1.82	4.09	-0.43	3.61	21.80	39.32
		-213.53	-21.66	0.03	0.0	51.0	1.82	-2.48	-0.43	3.61	0.07	80.33
						102.0	1.82	-9.04	-0.43	3.61	-21.66	-
213.53												
66	25	7820.41	1.07	-0.05	-13.13	0.0	-1.14	161.68	-0.02	-2.22	1.07	-
8001.19												
		-8001.19	-1.26	-0.02	0.0	51.0	-1.14	155.11	-0.02	-2.22	-0.10	77.03
						102.0	-1.14	148.55	-0.02	-2.22	-1.26	
7820.41												
66	26	1.915e+04	16.84	0.16	-13.13	0.0	-0.77	383.83	-0.33	-8.01	16.84	-
1.933e+04												
		-1.933e+04	-16.90	-0.06	0.0	51.0	-0.77	377.27	-0.33	-8.01	-0.03	74.57

						102.0	-0.77	370.70	-0.33	-8.01	-16.90	
1.915e+04												
66	27	1.480e+04	12.36	-0.35	-13.13	0.0	0.77	-285.37	0.24	10.10	-12.53	
1.480e+04												
		-1.497e+04	-12.53	0.14	0.0	51.0	0.77	-291.93	0.24	10.10	-0.09	82.95
						102.0	0.77	-298.50	0.24	10.10	12.36	-
1.497e+04												
66	28	1.710e+04	37.44	0.32	-13.13	0.0	-0.78	343.68	-0.73	-5.43	37.44	-
1.728e+04												
		-1.728e+04	-37.26	0.03	0.0	51.0	-0.78	337.12	-0.73	-5.43	0.09	76.44
						102.0	-0.78	330.55	-0.73	-5.43	-37.26	
1.710e+04												
66	29	9322.05	14.34	-0.36	-13.13	0.0	1.46	-177.92	0.28	6.81	-14.58	
9322.05												
		-9495.06	-14.58	-0.02	0.0	51.0	1.46	-184.48	0.28	6.81	-0.12	80.92
						102.0	1.46	-191.05	0.28	6.81	14.34	-
9495.06												
66	30	2.258e+04	35.40	0.31	-13.13	0.0	-0.08	451.13	-0.69	-8.71	35.40	-
2.277e+04												
		-2.277e+04	-35.28	-0.13	0.0	51.0	-0.08	444.57	-0.69	-8.71	0.06	74.41
						102.0	-0.08	438.00	-0.69	-8.71	-35.28	
2.258e+04												
66	31	1.497e+04	12.64	-0.38	-13.13	0.0	1.50	-288.60	0.25	10.20	-12.81	
1.497e+04												
		-1.514e+04	-12.81	0.08	0.0	51.0	1.50	-295.17	0.25	10.20	-0.09	82.80
						102.0	1.50	-301.73	0.25	10.20	12.64	-
1.514e+04												
66	32	1.694e+04	37.17	0.29	-13.13	0.0	-0.04	340.45	-0.73	-5.33	37.17	-
1.712e+04												
		-1.712e+04	-36.99	-0.03	0.0	51.0	-0.04	333.88	-0.73	-5.33	0.09	76.29
						102.0	-0.04	327.31	-0.73	-5.33	-36.99	
1.694e+04												
66	33	9157.19	14.06	-0.33	-13.13	0.0	0.73	-174.68	0.28	6.71	-14.30	
9157.19												
		-9329.90	-14.30	0.05	0.0	51.0	0.73	-181.25	0.28	6.71	-0.12	81.07
						102.0	0.73	-187.81	0.28	6.71	14.06	-
9329.90												
66	34	2.275e+04	35.68	0.33	-13.13	0.0	-0.82	454.37	-0.70	-8.81	35.68	-
2.293e+04												
		-2.293e+04	-35.56	-0.06	0.0	51.0	-0.82	447.80	-0.70	-8.81	0.06	74.56
						102.0	-0.82	441.24	-0.70	-8.81	-35.56	
2.275e+04												
66	35	1.765e+04	13.61	-0.38	-13.13	0.0	-0.61	-341.10	0.27	11.97	-13.84	
1.765e+04												
		-1.781e+04	-13.84	0.16	0.0	51.0	-0.61	-347.66	0.27	11.97	-0.11	83.80
						102.0	-0.61	-354.23	0.27	11.97	13.61	-
1.781e+04												
66	36	1.994e+04	38.75	0.34	-13.13	0.0	0.60	399.41	-0.76	-7.30	38.75	-
2.013e+04												
		-2.013e+04	-38.51	0.01	0.0	51.0	0.60	392.84	-0.76	-7.30	0.12	75.58
						102.0	0.60	386.28	-0.76	-7.30	-38.51	
1.994e+04												
66	37	1.217e+04	15.59	-0.39	-13.13	0.0	0.08	-233.64	0.31	8.69	-15.88	
1.217e+04												
		-1.234e+04	-15.88	2.64e-04	0.0	51.0	0.08	-240.21	0.31	8.69	-0.14	81.78
						102.0	0.08	-246.78	0.31	8.69	15.59	-
1.234e+04												
66	38	2.542e+04	36.70	0.33	-13.13	0.0	1.30	506.86	-0.72	-10.59	36.70	-
2.561e+04												
		-2.561e+04	-36.54	-0.15	0.0	51.0	1.30	500.30	-0.72	-10.59	0.08	73.55
						102.0	1.30	493.73	-0.72	-10.59	-36.54	
2.542e+04												
66	39	1.781e+04	13.89	-0.41	-13.13	0.0	0.13	-344.33	0.27	12.07	-14.11	
1.781e+04												
		-1.798e+04	-14.11	0.10	0.0	51.0	0.13	-350.90	0.27	12.07	-0.11	83.65
						102.0	0.13	-357.46	0.27	12.07	13.89	-
1.798e+04												
66	40	1.978e+04	38.47	0.32	-13.13	0.0	1.34	396.17	-0.75	-7.20	38.47	-
1.996e+04												
		-1.996e+04	-38.24	-0.05	0.0	51.0	1.34	389.61	-0.75	-7.20	0.12	75.43
						102.0	1.34	383.04	-0.75	-7.20	-38.24	
1.978e+04												

66	41	1.200e+04	15.31	-0.36	-13.13	0.0	-0.65	-230.41	0.30	8.59	-15.60	
1.200e+04												
		-1.217e+04	-15.60	0.07	0.0	51.0	-0.65	-236.97	0.30	8.59	-0.14	81.93
						102.0	-0.65	-243.54	0.30	8.59	15.31	-
1.217e+04												
66	42	2.559e+04	36.98	0.36	-13.13	0.0	0.56	510.10	-0.72	-10.69	36.98	-
2.577e+04												
		-2.577e+04	-36.81	-0.08	0.0	51.0	0.56	503.53	-0.72	-10.69	0.09	73.70
						102.0	0.56	496.97	-0.72	-10.69	-36.81	
2.559e+04												
66	43	7073.14	8.07	-0.09	-13.13	0.0	-0.37	-133.80	-0.16	6.87	8.07	
7073.14												
		-7243.73	-8.05	0.23	0.0	51.0	-0.37	-140.36	-0.16	6.87	0.01	82.13
						102.0	-0.37	-146.93	-0.16	6.87	-8.05	-
7243.73												
66	44	382.36	19.95	0.07	-13.13	0.0	-0.73	15.77	-0.39	3.18	19.95	-
556.05												
		-556.05	-19.85	0.21	0.0	51.0	-0.73	9.20	-0.39	3.18	0.05	80.58
						102.0	-0.73	2.63	-0.39	3.18	-19.85	382.36
66	45	7224.52	2.92	-0.11	-13.13	0.0	1.42	150.00	-0.06	-1.79	2.92	-
7405.82												
		-7405.82	-3.08	-0.19	0.0	51.0	1.42	143.43	-0.06	-1.79	-0.08	76.77
						102.0	1.42	136.87	-0.06	-1.79	-3.08	
7224.52												
66	46	1.485e+04	14.80	0.05	-13.13	0.0	1.06	299.56	-0.29	-5.48	14.80	-
1.504e+04												
		-1.504e+04	-14.87	-0.22	0.0	51.0	1.06	293.00	-0.29	-5.48	-0.04	75.23
						102.0	1.06	286.43	-0.29	-5.48	-14.87	
1.485e+04												
66	47	7749.27	7.76	-0.10	-13.13	0.0	-0.69	-147.05	-0.15	7.31	7.76	
7749.27												
		-7919.45	-7.75	0.24	0.0	51.0	-0.69	-153.61	-0.15	7.31	4.64e-03	82.34
						102.0	-0.69	-160.18	-0.15	7.31	-7.75	-
7919.45												
66	48	1058.08	20.26	0.08	-13.13	0.0	-0.41	29.02	-0.40	2.73	20.26	-
1232.18												
		-1232.18	-20.14	0.20	0.0	51.0	-0.41	22.45	-0.40	2.73	0.06	80.38
						102.0	-0.41	15.89	-0.40	2.73	-20.14	
1058.08												
66	49	6548.80	2.61	-0.12	-13.13	0.0	1.10	136.75	-0.05	-1.35	2.61	-
6729.69												
		-6729.69	-2.78	-0.19	0.0	51.0	1.10	130.18	-0.05	-1.35	-0.09	76.98
						102.0	1.10	123.62	-0.05	-1.35	-2.78	
6548.80												
66	50	1.553e+04	15.11	0.05	-13.13	0.0	1.38	312.82	-0.30	-5.93	15.11	-
1.571e+04												
		-1.571e+04	-15.17	-0.22	0.0	51.0	1.38	306.25	-0.30	-5.93	-0.03	75.02
						102.0	1.38	299.68	-0.30	-5.93	-15.17	
1.553e+04												
66	51	7508.81	7.29	-0.16	-13.13	0.0	1.54	-142.35	-0.14	7.13	7.29	
7508.81												
		-7680.19	-7.27	0.06	0.0	51.0	1.54	-148.91	-0.14	7.13	0.01	81.74
						102.0	1.54	-155.48	-0.14	7.13	-7.27	-
7680.19												
66	52	81.71	19.17	-2.46e-03	-13.13	0.0	1.18	7.22	-0.37	3.44	19.17	-
120.38												
		-120.38	-19.07	0.03	0.0	51.0	1.18	0.65	-0.37	3.44	0.05	80.19
						102.0	1.18	-5.92	-0.37	3.44	-19.07	-54.10
66	53	7660.98	3.70	-0.04	-13.13	0.0	-0.49	158.55	-0.07	-2.05	3.70	-
7841.49												
		-7841.49	-3.86	-0.02	0.0	51.0	-0.49	151.99	-0.07	-2.05	-0.08	77.17
						102.0	-0.49	145.42	-0.07	-2.05	-3.86	
7660.98												
66	54	1.529e+04	15.58	0.12	-13.13	0.0	-0.85	308.11	-0.31	-5.74	15.58	-
1.547e+04												
		-1.547e+04	-15.66	-0.04	0.0	51.0	-0.85	301.55	-0.31	-5.74	-0.04	75.62
						102.0	-0.85	294.98	-0.31	-5.74	-15.66	
1.529e+04												
66	55	8184.94	6.98	-0.17	-13.13	0.0	1.22	-155.60	-0.14	7.58	6.98	
8184.94												
		-8355.91	-6.97	0.06	0.0	51.0	1.22	-162.17	-0.14	7.58	4.09e-03	81.94
						102.0	1.22	-168.73	-0.14	7.58	-6.97	-

8355.91												
66	56	621.62	19.48	3.66e-03	-13.13	0.0	1.50	20.47	-0.38	2.99	19.48	-
796.51												
		-796.51	-19.36	0.03	0.0	51.0	1.50	13.90	-0.38	2.99	0.06	79.98
						102.0	1.50	7.34	-0.38	2.99	-19.36	621.62
66	57	6985.26	3.39	-0.05	-13.13	0.0	-0.81	145.30	-0.07	-1.61	3.39	-
7165.37												
		-7165.37	-3.56	-0.01	0.0	51.0	-0.81	138.73	-0.07	-1.61	-0.09	77.37
						102.0	-0.81	132.17	-0.07	-1.61	-3.56	
6985.26												
66	58	1.596e+04	15.89	0.12	-13.13	0.0	-0.53	321.37	-0.31	-6.19	15.89	-
1.615e+04												
		-1.615e+04	-15.95	-0.05	0.0	51.0	-0.53	314.80	-0.31	-6.19	-0.03	75.42
						102.0	-0.53	308.23	-0.31	-6.19	-15.95	
1.596e+04												
66	59	1.091e+04	7.46	-0.28	-13.13	0.0	0.67	-208.96	0.15	8.14	-7.60	
1.091e+04												
		-1.108e+04	-7.60	0.12	0.0	51.0	0.67	-215.52	0.15	8.14	-0.07	82.06
						102.0	0.67	-222.09	0.15	8.14	7.46	-
1.108e+04												
66	60	1.434e+04	32.01	0.25	-13.13	0.0	-0.52	289.58	-0.63	-4.16	32.01	-
1.452e+04												
		-1.452e+04	-31.87	0.03	0.0	51.0	-0.52	283.02	-0.63	-4.16	0.07	76.90
						102.0	-0.52	276.45	-0.63	-4.16	-31.87	
1.434e+04												
66	61	6562.53	8.95	-0.29	-13.13	0.0	1.21	-123.82	0.18	5.54	-9.14	
6562.53												
		-6736.47	-9.14	-0.01	0.0	51.0	1.21	-130.38	0.18	5.54	-0.10	80.46
						102.0	1.21	-136.95	0.18	5.54	8.95	-
6736.47												
66	62	1.868e+04	30.47	0.24	-13.13	0.0	0.01	374.72	-0.60	-6.76	30.47	-
1.887e+04												
		-1.887e+04	-30.38	-0.10	0.0	51.0	0.01	368.16	-0.60	-6.76	0.04	75.29
						102.0	0.01	361.59	-0.60	-6.76	-30.38	
1.868e+04												
66	63	1.104e+04	7.69	-0.31	-13.13	0.0	1.25	-211.52	0.15	8.22	-7.83	
1.104e+04												
		-1.121e+04	-7.83	0.06	0.0	51.0	1.25	-218.09	0.15	8.22	-0.07	81.95
						102.0	1.25	-224.65	0.15	8.22	7.69	-
1.121e+04												
66	64	1.421e+04	31.78	0.23	-13.13	0.0	0.05	287.02	-0.62	-4.08	31.78	-
1.439e+04												
		-1.439e+04	-31.64	-0.03	0.0	51.0	0.05	280.45	-0.62	-4.08	0.07	76.78
						102.0	0.05	273.89	-0.62	-4.08	-31.64	
1.421e+04												
66	65	6431.83	8.71	-0.27	-13.13	0.0	0.64	-121.25	0.17	5.47	-8.91	
6431.83												
		-6605.53	-8.91	0.04	0.0	51.0	0.64	-127.82	0.17	5.47	-0.10	80.58
						102.0	0.64	-134.38	0.17	5.47	8.71	-
6605.53												
66	66	1.881e+04	30.70	0.26	-13.13	0.0	-0.56	377.29	-0.60	-6.84	30.70	-
1.900e+04												
		-1.900e+04	-30.61	-0.05	0.0	51.0	-0.56	370.72	-0.60	-6.84	0.04	75.41
						102.0	-0.56	364.16	-0.60	-6.84	-30.61	
1.881e+04												
66	67	1.316e+04	8.45	-0.30	-13.13	0.0	-0.39	-253.13	0.17	9.63	-8.63	
1.316e+04												
		-1.333e+04	-8.63	0.13	0.0	51.0	-0.39	-259.70	0.17	9.63	-0.09	82.74
						102.0	-0.39	-266.27	0.17	9.63	8.45	-
1.333e+04												
66	68	1.660e+04	33.04	0.27	-13.13	0.0	0.54	333.76	-0.65	-5.65	33.04	-
1.678e+04												
		-1.678e+04	-32.86	0.01	0.0	51.0	0.54	327.20	-0.65	-5.65	0.09	76.22
						102.0	0.54	320.63	-0.65	-5.65	-32.86	
1.660e+04												
66	69	8816.29	9.94	-0.31	-13.13	0.0	0.15	-167.99	0.20	7.03	-10.17	
8816.29												
		-8988.88	-10.17	1.84e-03	0.0	51.0	0.15	-174.56	0.20	7.03	-0.12	81.13
						102.0	0.15	-181.13	0.20	7.03	9.94	-
8988.88												
66	70	2.094e+04	31.49	0.26	-13.13	0.0	1.08	418.90	-0.62	-8.25	31.49	-
2.112e+04												

		-2.112e+04	-31.37	-0.11	0.0	51.0	1.08	412.33	-0.62	-8.25	0.06	74.62
						102.0	1.08	405.77	-0.62	-8.25	-31.37	
2.094e+04												
66	71	1.329e+04	8.68	-0.33	-13.13	0.0	0.18	-255.70	0.17	9.71	-8.86	
1.329e+04												
		-1.346e+04	-8.86	0.08	0.0	51.0	0.18	-262.26	0.17	9.71	-0.09	82.62
						102.0	0.18	-268.83	0.17	9.71	8.68	-
1.346e+04												
66	72	1.646e+04	32.81	0.25	-13.13	0.0	1.11	331.20	-0.64	-5.57	32.81	-
1.665e+04												
		-1.665e+04	-32.63	-0.04	0.0	51.0	1.11	324.63	-0.64	-5.57	0.09	76.10
						102.0	1.11	318.06	-0.64	-5.57	-32.63	
1.646e+04												
66	73	8685.59	9.70	-0.29	-13.13	0.0	-0.43	-165.43	0.19	6.95	-9.94	
8685.59												
		-8857.94	-9.94	0.05	0.0	51.0	-0.43	-172.00	0.19	6.95	-0.12	81.25
						102.0	-0.43	-178.56	0.19	6.95	9.70	-
8857.94												
66	74	2.107e+04	31.73	0.28	-13.13	0.0	0.50	421.46	-0.62	-8.32	31.73	-
2.125e+04												
		-2.125e+04	-31.60	-0.06	0.0	51.0	0.50	414.90	-0.62	-8.32	0.06	74.73
						102.0	0.50	408.33	-0.62	-8.32	-31.60	
2.107e+04												
66	75	5154.68	8.66	-0.08	-13.13	0.0	-0.25	-96.19	-0.17	5.80	8.66	
5154.68												
		-5326.47	-8.65	0.19	0.0	51.0	-0.25	-102.76	-0.17	5.80	6.44e-03	81.53
						102.0	-0.25	-109.32	-0.17	5.80	-8.65	-
5326.47												
66	76	975.86	18.48	0.05	-13.13	0.0	-0.55	27.41	-0.36	2.75	18.48	-
1150.21												
		-1150.21	-18.40	0.17	0.0	51.0	-0.55	20.84	-0.36	2.75	0.04	80.25
						102.0	-0.55	14.28	-0.36	2.75	-18.40	975.86
66	77	6631.02	4.39	-0.10	-13.13	0.0	1.23	138.36	-0.09	-1.36	4.39	-
6811.66												
		-6811.66	-4.53	-0.16	0.0	51.0	1.23	131.79	-0.09	-1.36	-0.07	77.11
						102.0	1.23	125.23	-0.09	-1.36	-4.53	
6631.02												
66	78	1.293e+04	14.21	0.03	-13.13	0.0	0.94	261.96	-0.28	-4.42	14.21	-
1.312e+04												
		-1.312e+04	-14.28	-0.18	0.0	51.0	0.94	255.39	-0.28	-4.42	-0.03	75.82
						102.0	0.94	248.83	-0.28	-4.42	-14.28	
1.293e+04												
66	79	5713.43	8.40	-0.08	-13.13	0.0	-0.51	-107.14	-0.16	6.17	8.40	
5713.43												
		-5884.89	-8.40	0.20	0.0	51.0	-0.51	-113.71	-0.16	6.17	1.43e-03	81.70
						102.0	-0.51	-120.27	-0.16	6.17	-8.40	-
5884.89												
66	80	1534.27	18.73	0.06	-13.13	0.0	-0.28	38.36	-0.37	2.38	18.73	-
1708.96												
		-1708.96	-18.64	0.17	0.0	51.0	-0.28	31.80	-0.37	2.38	0.05	80.08
						102.0	-0.28	25.23	-0.37	2.38	-18.64	
1534.27												
66	81	6072.61	4.13	-0.10	-13.13	0.0	0.97	127.40	-0.08	-1.00	4.13	-
6252.91												
		-6252.91	-4.28	-0.15	0.0	51.0	0.97	120.84	-0.08	-1.00	-0.07	77.27
						102.0	0.97	114.27	-0.08	-1.00	-4.28	
6072.61												
66	82	1.349e+04	14.46	0.04	-13.13	0.0	1.20	272.91	-0.28	-4.78	14.46	-
1.368e+04												
		-1.368e+04	-14.52	-0.18	0.0	51.0	1.20	266.34	-0.28	-4.78	-0.03	75.66
						102.0	1.20	259.78	-0.28	-4.78	-14.52	
1.349e+04												
66	83	5514.65	8.01	-0.14	-13.13	0.0	1.33	-103.26	-0.16	6.01	8.01	
5514.65												
		-5687.09	-8.00	0.05	0.0	51.0	1.33	-109.82	-0.16	6.01	5.89e-03	81.21
						102.0	1.33	-116.39	-0.16	6.01	-8.00	-
5687.09												
66	84	615.24	17.83	-5.90e-03	-13.13	0.0	1.03	20.34	-0.35	2.96	17.83	-
790.24												
		-790.24	-17.75	0.03	0.0	51.0	1.03	13.78	-0.35	2.96	0.04	79.92
						102.0	1.03	7.21	-0.35	2.96	-17.75	615.24
66	85	6991.64	5.03	-0.04	-13.13	0.0	-0.35	145.42	-0.10	-1.58	5.03	-

7171.63												
		-7171.63	-5.17	-0.01	0.0	51.0	-0.35	138.86	-0.10	-1.58	-0.07	77.43
						102.0	-0.35	132.29	-0.10	-1.58	-5.17	
6991.64												
66	86	1.329e+04	14.85	0.09	-13.13	0.0	-0.64	269.02	-0.29	-4.63	14.85	-
1.348e+04												
		-1.348e+04	-14.92	-0.04	0.0	51.0	-0.64	262.46	-0.29	-4.63	-0.03	76.15
						102.0	-0.64	255.89	-0.29	-4.63	-14.92	
1.329e+04												
66	87	6073.40	7.76	-0.14	-13.13	0.0	1.07	-114.21	-0.15	6.38	7.76	
6073.40												
		-6245.50	-7.76	0.05	0.0	51.0	1.07	-120.77	-0.15	6.38	8.83e-04	81.37
						102.0	1.07	-127.34	-0.15	6.38	-7.76	-
6245.50												
66	88	1173.65	18.09	-9.17e-04	-13.13	0.0	1.30	31.30	-0.35	2.60	18.09	-
1348.99												
		-1348.99	-18.00	0.02	0.0	51.0	1.30	24.73	-0.35	2.60	0.05	79.76
						102.0	1.30	18.17	-0.35	2.60	-18.00	
1173.65												
66	89	6433.23	4.78	-0.04	-13.13	0.0	-0.61	134.47	-0.10	-1.21	4.78	-
6612.88												
		-6612.88	-4.92	-9.93e-03	0.0	51.0	-0.61	127.90	-0.10	-1.21	-0.07	77.60
						102.0	-0.61	121.34	-0.10	-1.21	-4.92	
6433.23												
66	90	1.385e+04	15.11	0.10	-13.13	0.0	-0.38	279.97	-0.30	-5.00	15.11	-
1.404e+04												
		-1.404e+04	-15.17	-0.04	0.0	51.0	-0.38	273.41	-0.30	-5.00	-0.03	75.98
						102.0	-0.38	266.84	-0.30	-5.00	-15.17	
1.385e+04												
66	91	8322.17	4.17	-0.24	-13.13	0.0	0.62	-158.30	0.08	6.85	-4.29	
8322.17												
		-8494.07	-4.29	0.10	0.0	51.0	0.62	-164.87	0.08	6.85	-0.06	81.48
						102.0	0.62	-171.43	0.08	6.85	4.17	-
8494.07												
66	92	1.251e+04	28.44	0.20	-13.13	0.0	-0.37	253.70	-0.56	-3.32	28.44	-
1.269e+04												
		-1.269e+04	-28.33	0.02	0.0	51.0	-0.37	247.14	-0.56	-3.32	0.06	77.21
						102.0	-0.37	240.57	-0.56	-3.32	-28.33	
1.251e+04												
66	93	4732.26	5.41	-0.24	-13.13	0.0	1.06	-87.94	0.11	4.70	-5.57	
4732.26												
		-4906.82	-5.57	-8.43e-03	0.0	51.0	1.06	-94.50	0.11	4.70	-0.08	80.15
						102.0	1.06	-101.07	0.11	4.70	5.41	-
4906.82												
66	94	1.610e+04	27.16	0.19	-13.13	0.0	0.07	324.07	-0.53	-5.47	27.16	-
1.628e+04												
		-1.628e+04	-27.09	-0.08	0.0	51.0	0.07	317.50	-0.53	-5.47	0.03	75.88
						102.0	0.07	310.93	-0.53	-5.47	-27.09	
1.610e+04												
66	95	8430.16	4.36	-0.26	-13.13	0.0	1.09	-160.42	0.09	6.91	-4.49	
8430.16												
		-8602.25	-4.49	0.05	0.0	51.0	1.09	-166.98	0.09	6.91	-0.06	81.38
						102.0	1.09	-173.55	0.09	6.91	4.36	-
8602.25												
66	96	1.241e+04	28.25	0.18	-13.13	0.0	0.10	251.58	-0.55	-3.25	28.25	-
1.259e+04												
		-1.259e+04	-28.14	-0.02	0.0	51.0	0.10	245.02	-0.55	-3.25	0.06	77.11
						102.0	0.10	238.45	-0.55	-3.25	-28.14	
1.241e+04												
66	97	4624.27	5.21	-0.23	-13.13	0.0	0.59	-85.82	0.10	4.64	-5.38	
4624.27												
		-4798.63	-5.38	0.03	0.0	51.0	0.59	-92.38	0.10	4.64	-0.08	80.25
						102.0	0.59	-98.95	0.10	4.64	5.21	-
4798.63												
66	98	1.621e+04	27.35	0.21	-13.13	0.0	-0.40	326.18	-0.54	-5.53	27.35	-
1.639e+04												
		-1.639e+04	-27.29	-0.04	0.0	51.0	-0.40	319.62	-0.54	-5.53	0.03	75.98
						102.0	-0.40	313.05	-0.54	-5.53	-27.29	
1.621e+04												
66	99	1.018e+04	4.99	-0.26	-13.13	0.0	-0.26	-194.81	0.10	8.08	-5.14	
1.018e+04												
		-1.036e+04	-5.14	0.11	0.0	51.0	-0.26	-201.37	0.10	8.08	-0.08	82.04

						102.0	-0.26	-207.94	0.10	8.08	4.99	-	
1.036e+04													
66	100	1.438e+04	29.29	0.22	-13.13	0.0	0.51	290.21	-0.57	-4.55	29.29	-	
1.456e+04													
		-1.456e+04	-29.15	0.01	0.0	51.0	0.51	283.64	-0.57	-4.55	0.07	76.65	
						102.0	0.51	277.08	-0.57	-4.55	-29.15		
1.438e+04													
66	101	6594.76	6.23	-0.26	-13.13	0.0	0.18	-124.44	0.12	5.93	-6.42		
6594.76													
		-6768.20	-6.42	2.78e-03	0.0	51.0	0.18	-131.01	0.12	5.93	-0.10	80.71	
						102.0	0.18	-137.58	0.12	5.93	6.23	-	
6768.20													
66	102	1.796e+04	28.01	0.21	-13.13	0.0	0.95	360.57	-0.55	-6.69	28.01	-	
1.815e+04													
		-1.815e+04	-27.91	-0.09	0.0	51.0	0.95	354.01	-0.55	-6.69	0.05	75.32	
						102.0	0.95	347.44	-0.55	-6.69	-27.91		
1.796e+04													
66	103	1.029e+04	5.18	-0.27	-13.13	0.0	0.21	-196.93	0.10	8.14	-5.34		
1.029e+04													
		-1.046e+04	-5.34	0.07	0.0	51.0	0.21	-203.49	0.10	8.14	-0.08	81.94	
						102.0	0.21	-210.06	0.10	8.14	5.18	-	
1.046e+04													
66	104	1.427e+04	29.10	0.20	-13.13	0.0	0.98	288.09	-0.57	-4.48	29.10	-	
1.445e+04													
		-1.445e+04	-28.95	-0.03	0.0	51.0	0.98	281.52	-0.57	-4.48	0.07	76.55	
						102.0	0.98	274.96	-0.57	-4.48	-28.95		
1.427e+04													
66	105	6486.77	6.03	-0.24	-13.13	0.0	-0.29	-122.32	0.12	5.87	-6.23		
6486.77													
		-6660.01	-6.23	0.05	0.0	51.0	-0.29	-128.89	0.12	5.87	-0.10	80.81	
						102.0	-0.29	-135.46	0.12	5.87	6.03	-	
6660.01													
66	106	1.807e+04	28.20	0.23	-13.13	0.0	0.48	362.69	-0.55	-6.76	28.20	-	
1.825e+04													
		-1.825e+04	-28.10	-0.05	0.0	51.0	0.48	356.13	-0.55	-6.76	0.05	75.42	
						102.0	0.48	349.56	-0.55	-6.76	-28.10		
1.807e+04													
67	1	1670.77	15.03	-3.70e-03	-113.80	0.0	-9.94	33.41	-0.15	-0.55	15.03	705.84	
		-3933.25	-14.59	0.01	0.0	98.8	-48.25	-23.49	-0.15	-0.55	0.22		
1196.07													
						197.5	-86.55	-80.39	-0.15	-0.55	-14.59	-	
3933.25													
67	2	1.198e+04	45.48	-0.02	-801.97	0.0	-45.33	263.03	-0.45	-2.80	45.48		
3481.80													
		-2.377e+04	-43.38	0.06	0.0	98.8	-315.28	-137.96	-0.45	-2.80	1.05		
9658.15													
						197.5	-585.24	-538.94	-0.45	-2.80	-43.38	-	
2.377e+04													
67	3	1090.60	10.99	-2.44e-03	-74.55	0.0	-6.98	21.37	-0.11	-0.38	10.99	490.57	
		-2651.27	-10.68	8.32e-03	0.0	98.8	-32.07	-15.91	-0.11	-0.38	0.15	760.36	
						197.5	-57.17	-53.18	-0.11	-0.38	-10.68	-	
2651.27													
67	4	1.140e+04	41.44	-0.02	-762.73	0.0	-42.37	250.99	-0.41	-2.63	41.44		
3266.53													
		-2.249e+04	-39.47	0.06	0.0	98.8	-299.11	-130.37	-0.41	-2.63	0.98		
9222.44													
						197.5	-555.85	-511.74	-0.41	-2.63	-39.47	-	
2.249e+04													
67	5	1200.60	11.31	-2.67e-03	-81.89	0.0	-7.36	23.82	-0.11	-0.40	11.31	520.18	
		-2862.83	-10.99	8.87e-03	0.0	98.8	-34.92	-17.13	-0.11	-0.40	0.16	850.62	
						197.5	-62.49	-58.07	-0.11	-0.40	-10.99	-	
2862.83													
67	6	8075.32	31.61	-0.02	-540.67	0.0	-30.95	176.90	-0.31	-1.90	31.61		
2370.82													
		-1.609e+04	-30.18	0.04	0.0	98.8	-212.95	-93.44	-0.31	-1.90	0.72		
6492.01													
						197.5	-394.94	-363.78	-0.31	-1.90	-30.18	-	
1.609e+04													
67	7	1200.60	11.31	-2.67e-03	-81.89	0.0	-7.36	23.82	-0.11	-0.40	11.31	520.18	
		-2862.83	-10.99	8.87e-03	0.0	98.8	-34.92	-17.13	-0.11	-0.40	0.16	850.62	
						197.5	-62.49	-58.07	-0.11	-0.40	-10.99	-	
2862.83													

67	8	6012.91	25.52	-0.01	-403.04	0.0	-23.87	130.97	-0.25	-1.45	25.52	1815.63
		-1.212e+04	-24.42	0.03	0.0	98.8	-159.54	-70.55	-0.25	-1.45	0.55	4799.59
						197.5	-295.21	-272.07	-0.25	-1.45	-24.42	-1.212e+04
67	9	1200.60	11.31	-2.67e-03	-81.89	0.0	-7.36	23.82	-0.11	-0.40	11.31	520.18
		-2862.83	-10.99	8.87e-03	0.0	98.8	-34.92	-17.13	-0.11	-0.40	0.16	850.62
						197.5	-62.49	-58.07	-0.11	-0.40	-10.99	-2862.83
67	10	5325.43	23.49	-0.01	-357.16	0.0	-21.51	115.67	-0.23	-1.30	23.49	1630.56
		-1.080e+04	-22.50	0.03	0.0	98.8	-141.74	-62.91	-0.23	-1.30	0.49	4235.45
						197.5	-261.96	-241.50	-0.23	-1.30	-22.50	-1.080e+04
67	11	5096.84	93.80	0.07	-357.16	0.0	-212.83	125.70	-1.54	7.43	93.80	672.79
		-9575.78	-217.93	7.58e-03	0.0	98.8	-333.05	-52.88	-1.54	7.43	-62.06	4366.91
						197.5	-453.28	-231.46	-1.54	7.43	-217.93	-9575.78
67	12	4257.15	24.03	0.14	-357.16	0.0	-160.90	186.78	-0.35	4.57	24.03	-5498.92
		-5498.92	-51.07	-0.06	0.0	98.8	-281.12	8.20	-0.35	4.57	-13.52	4257.15
						197.5	-401.34	-170.38	-0.35	4.57	-51.07	-3623.59
67	13	9276.92	22.96	-0.16	-357.16	0.0	117.87	44.55	-0.12	-7.17	22.96	8760.04
		-1.797e+04	6.06	0.12	0.0	98.8	-2.35	-134.03	-0.12	-7.17	14.51	4213.75
						197.5	-122.58	-312.61	-0.12	-7.17	6.06	-1.797e+04
67	14	5602.43	172.92	-0.09	-357.16	0.0	169.80	105.63	1.08	-10.04	-46.82	2588.33
		-1.202e+04	-46.82	0.05	0.0	98.8	49.58	-72.95	1.08	-10.04	63.05	4103.99
						197.5	-70.64	-251.53	1.08	-10.04	172.92	-1.202e+04
67	15	5061.44	93.16	0.07	-357.16	0.0	-212.04	127.38	-1.52	7.42	93.16	510.58
		-9399.83	-213.87	7.37e-03	0.0	98.8	-332.26	-51.20	-1.52	7.42	-60.35	4373.79
						197.5	-452.49	-229.78	-1.52	7.42	-213.87	-9399.83
67	16	4250.28	24.67	0.13	-357.16	0.0	-161.69	185.10	-0.37	4.58	24.67	-5336.71
		-5336.71	-55.13	-0.06	0.0	98.8	-281.91	6.52	-0.37	4.58	-15.23	4250.28
						197.5	-402.13	-172.06	-0.37	4.58	-55.13	-3799.55
67	17	9156.99	22.31	-0.15	-357.16	0.0	118.66	46.23	-0.09	-7.18	22.31	8597.84
		-1.779e+04	10.12	0.12	0.0	98.8	-1.56	-132.35	-0.09	-7.18	16.22	4220.63
						197.5	-121.79	-310.93	-0.09	-7.18	10.12	-1.779e+04
67	18	5658.96	168.86	-0.09	-357.16	0.0	169.01	103.95	1.05	-10.03	-46.17	2750.54
		-1.219e+04	-46.17	0.05	0.0	98.8	48.79	-74.63	1.05	-10.03	61.34	4097.12
						197.5	-71.43	-253.21	1.05	-10.03	168.86	-1.219e+04
67	19	5195.25	97.70	0.07	-357.16	0.0	-202.13	127.22	-1.59	7.09	97.70	686.99
		-9337.00	-223.81	6.42e-03	0.0	98.8	-322.35	-51.36	-1.59	7.09	-63.05	4493.40
						197.5	-442.58	-229.94	-1.59	7.09	-223.81	-9337.00
67	20	4383.64	27.93	0.14	-357.16	0.0	-150.20	188.30	-0.40	4.22	27.93	-5484.72
		-5484.72	-56.95	-0.06	0.0	98.8	-270.42	9.71	-0.40	4.22	-14.51	4383.64
						197.5	-390.64	-168.87	-0.40	4.22	-56.95	-5484.72

3384.82												
67	21	9234.65	19.05	-0.16	-357.16	0.0	107.17	43.04	-0.07	-6.83	19.05	
8745.85												
		-1.821e+04	11.94	0.12	0.0	98.8	-13.05	-135.54	-0.07	-6.83	15.50	
4087.26												
						197.5	-133.28	-314.12	-0.07	-6.83	11.94	-
1.821e+04												
67	22	5518.05	178.80	-0.09	-357.16	0.0	159.10	104.11	1.13	-9.69	-50.72	
2574.13												
		-1.226e+04	-50.72	0.05	0.0	98.8	38.88	-74.47	1.13	-9.69	64.04	
3977.50												
						197.5	-81.34	-253.05	1.13	-9.69	178.80	-
1.226e+04												
67	23	5159.85	97.06	0.07	-357.16	0.0	-201.34	128.90	-1.57	7.08	97.06	524.78
		-9161.05	-219.75	6.22e-03	0.0	98.8	-321.56	-49.68	-1.57	7.08	-61.34	
4500.28												
						197.5	-441.79	-228.26	-1.57	7.08	-219.75	-
9161.05												
67	24	4376.77	28.57	0.14	-357.16	0.0	-150.99	186.62	-0.42	4.23	28.57	-
5322.52												
		-5322.52	-61.01	-0.06	0.0	98.8	-271.21	8.04	-0.42	4.23	-16.22	
4376.77												
						197.5	-391.43	-170.55	-0.42	4.23	-61.01	-
3560.77												
67	25	9114.72	18.41	-0.16	-357.16	0.0	107.96	44.72	-0.05	-6.84	18.41	
8583.64												
		-1.803e+04	16.00	0.12	0.0	98.8	-12.26	-133.86	-0.05	-6.84	17.21	
4094.14												
						197.5	-132.49	-312.45	-0.05	-6.84	16.00	-
1.803e+04												
67	26	5574.59	174.74	-0.10	-357.16	0.0	158.31	102.43	1.10	-9.68	-50.08	
2736.34												
		-1.243e+04	-50.08	0.05	0.0	98.8	38.09	-76.15	1.10	-9.68	62.33	
3970.63												
						197.5	-82.13	-254.73	1.10	-9.68	174.74	-
1.243e+04												
67	27	1.089e+04	150.41	-0.09	-357.16	0.0	-157.68	26.05	-2.44	5.67	150.41	
1.070e+04												
		-1.946e+04	-334.21	0.13	0.0	98.8	-277.90	-152.53	-2.44	5.67	-91.90	
4441.37												
						197.5	-398.12	-331.11	-2.44	5.67	-334.21	-
1.946e+04												
67	28	4805.79	222.00	0.14	-357.16	0.0	15.44	229.63	1.55	-3.89	-82.17	-
9868.72												
		-9868.72	-82.17	-0.10	0.0	98.8	-104.78	51.05	1.55	-3.89	69.92	
4075.49												
						197.5	-225.01	-127.53	1.55	-3.89	222.00	382.87
67	29	1.313e+04	129.15	-0.16	-357.16	0.0	-58.47	1.70	-2.01	1.28	129.15	
1.313e+04												
		-2.198e+04	-267.01	0.16	0.0	98.8	-178.69	-176.88	-2.01	1.28	-68.93	
4395.42												
						197.5	-298.91	-355.46	-2.01	1.28	-267.01	-
2.198e+04												
67	30	4223.46	289.20	0.07	-357.16	0.0	114.65	205.28	1.97	-8.27	-103.42	-
7442.54												
		-7442.54	-103.42	-0.07	0.0	98.8	-5.57	26.70	1.97	-8.27	92.89	
4029.54												
						197.5	-125.80	-151.88	1.97	-8.27	289.20	-
2135.20												
67	31	1.089e+04	151.58	-0.09	-357.16	0.0	-154.47	26.50	-2.45	5.56	151.58	
1.071e+04												
		-1.939e+04	-335.97	0.13	0.0	98.8	-274.69	-152.08	-2.45	5.56	-92.20	
4479.31												
						197.5	-394.91	-330.66	-2.45	5.56	-335.97	-
1.939e+04												
67	32	4852.15	220.24	0.14	-357.16	0.0	18.65	230.08	1.53	-3.99	-81.00	-
9864.46												
		-9864.46	-81.00	-0.10	0.0	98.8	-101.57	51.50	1.53	-3.99	69.62	
4113.43												
						197.5	-221.80	-127.08	1.53	-3.99	220.24	454.51
67	33	1.313e+04	127.98	-0.16	-357.16	0.0	-61.68	1.25	-2.00	1.39	127.98	
1.313e+04												

		-2.205e+04	-265.25	0.16	0.0	98.8	-181.90	-177.33	-2.00	1.39	-68.63	4357.47
						197.5	-302.12	-355.91	-2.00	1.39	-265.25	- 2.205e+04
67	34	4181.30	290.97	0.07	-357.16	0.0	111.44	204.83	1.99	-8.17	-104.59	- 7446.80
		-7446.80	-104.59	-0.07	0.0	98.8	-8.78	26.25	1.99	-8.17	93.19	3991.59
						197.5	-129.01	-152.33	1.99	-8.17	290.97	- 2206.83
67	35	1.042e+04	148.26	-0.08	-357.16	0.0	-155.04	31.64	-2.36	5.63	148.26	1.016e+04
		-1.887e+04	-320.66	0.13	0.0	98.8	-275.27	-146.94	-2.36	5.63	-86.20	4464.27
						197.5	-395.49	-325.52	-2.36	5.63	-320.66	- 1.887e+04
67	36	4641.98	208.46	0.13	-357.16	0.0	12.81	224.03	1.47	-3.85	-80.03	- 9328.02
		-9328.02	-80.03	-0.10	0.0	98.8	-107.42	45.45	1.47	-3.85	64.22	4052.58
						197.5	-227.64	-133.13	1.47	-3.85	208.46	- 203.64
67	37	1.259e+04	127.01	-0.15	-357.16	0.0	-55.83	7.30	-1.93	1.25	127.01	1.259e+04
		-2.139e+04	-253.47	0.16	0.0	98.8	-176.06	-171.28	-1.93	1.25	-63.23	4418.32
						197.5	-296.28	-349.86	-1.93	1.25	-253.47	- 2.139e+04
67	38	4130.10	275.66	0.06	-357.16	0.0	112.02	199.69	1.89	-8.23	-101.28	- 6901.85
		-6901.85	-101.28	-0.07	0.0	98.8	-8.21	21.11	1.89	-8.23	87.19	4006.63
						197.5	-128.43	-157.47	1.89	-8.23	275.66	- 2721.71
67	39	1.042e+04	149.43	-0.08	-357.16	0.0	-151.83	32.10	-2.37	5.53	149.43	1.017e+04
		-1.880e+04	-322.43	0.13	0.0	98.8	-272.06	-146.48	-2.37	5.53	-86.50	4502.22
						197.5	-392.28	-325.06	-2.37	5.53	-322.43	- 1.880e+04
67	40	4688.35	206.69	0.13	-357.16	0.0	16.02	224.49	1.45	-3.96	-78.85	- 9323.77
		-9323.77	-78.85	-0.10	0.0	98.8	-104.21	45.91	1.45	-3.96	63.92	4090.53
						197.5	-224.43	-132.67	1.45	-3.96	206.69	- 132.00
67	41	1.258e+04	125.84	-0.15	-357.16	0.0	-59.04	6.84	-1.92	1.35	125.84	1.258e+04
		-2.146e+04	-251.70	0.16	0.0	98.8	-179.27	-171.74	-1.92	1.35	-62.93	4380.38
						197.5	-299.49	-350.32	-1.92	1.35	-251.70	- 2.146e+04
67	42	4087.94	277.42	0.06	-357.16	0.0	108.81	199.23	1.91	-8.13	-102.45	- 6906.11
		-6906.11	-102.45	-0.07	0.0	98.8	-11.42	20.65	1.91	-8.13	87.48	3968.68
						197.5	-131.64	-157.93	1.91	-8.13	277.42	- 2793.34
67	43	5119.52	78.57	0.05	-357.16	0.0	-171.12	123.60	-1.26	5.51	78.57	866.91
		-9838.82	-175.18	0.01	0.0	98.8	-291.35	-54.98	-1.26	5.51	-48.30	4332.45
						197.5	-411.57	-233.56	-1.26	5.51	-175.18	- 9838.82
67	44	4260.83	23.58	0.10	-357.16	0.0	-131.64	171.77	-0.31	3.24	23.58	- 3982.50
		-5132.65	-43.19	-0.04	0.0	98.8	-251.87	-6.81	-0.31	3.24	-9.81	4260.83
						197.5	-372.09	-185.40	-0.31	3.24	-43.19	- 5132.65
67	45	8172.86	23.41	-0.13	-357.16	0.0	88.62	59.57	-0.15	-5.85	23.41	7243.63
		-1.646e+04	-1.82	0.10	0.0	98.8	-31.61	-119.01	-0.15	-5.85	10.79	

4210.07

197.5 -151.83 -297.60 -0.15 -5.85 -1.82 -
1.646e+04
67 46 5551.18 130.17 -0.07 -357.16 0.0 128.10 107.73 0.79 -8.11 -31.59
2394.21
-1.175e+04 -31.59 0.05 0.0 98.8 7.87 -70.85 0.79 -8.11 49.29
4138.45

197.5 -112.35 -249.43 0.79 -8.11 130.17 -
1.175e+04
67 47 5095.31 78.11 0.05 -357.16 0.0 -170.71 124.89 -1.24 5.50 78.11745.68
-9701.34 -171.95 0.01 0.0 98.8 -290.93 -53.70 -1.24 5.50 -46.92
4340.58

197.5 -411.16 -232.28 -1.24 5.50 -171.95 -
9701.34
67 48 4252.71 24.04 0.10 -357.16 0.0 -132.06 170.48 -0.33 3.25 24.04 -
3861.27
-5270.13 -46.42 -0.04 0.0 98.8 -252.28 -8.10 -0.33 3.25 -11.19
4252.71

197.5 -372.51 -186.68 -0.33 3.25 -46.42 -
5270.13
67 49 8100.13 22.94 -0.12 -357.16 0.0 89.03 60.85 -0.13 -5.86 22.94
7122.39
-1.632e+04 1.41 0.10 0.0 98.8 -31.19 -117.73 -0.13 -5.86 12.17
4218.19

197.5 -151.41 -296.31 -0.13 -5.86 1.41 -
1.632e+04
67 50 5591.56 126.94 -0.07 -357.16 0.0 127.68 106.45 0.77 -8.10 -31.12
2515.45
-1.189e+04 -31.12 0.05 0.0 98.8 7.46 -72.13 0.77 -8.10 47.91
4130.32

197.5 -112.77 -250.72 0.77 -8.10 126.94 -
1.189e+04
67 51 5196.73 81.42 0.05 -357.16 0.0 -162.37 124.75 -1.29 5.21 81.42881.38
-9657.03 -179.29 0.01 0.0 98.8 -282.59 -53.83 -1.29 5.21 -48.93
4430.58

197.5 -402.82 -232.41 -1.29 5.21 -179.29 -
9657.03
67 52 4358.96 26.43 0.11 -357.16 0.0 -122.89 172.92 -0.35 2.95 26.43 -
3968.04
-4950.85 -47.30 -0.04 0.0 98.8 -243.11 -5.67 -0.35 2.95 -10.44
4358.96

197.5 -363.34 -184.25 -0.35 2.95 -47.30 -
4950.85
67 53 8127.02 20.56 -0.13 -357.16 0.0 79.86 58.42 -0.12 -5.55 20.56
7229.16
-1.664e+04 2.29 0.10 0.0 98.8 -40.36 -120.16 -0.12 -5.55 11.42
4111.94

197.5 -160.59 -298.74 -0.12 -5.55 2.29 -
1.664e+04
67 54 5484.42 134.28 -0.08 -357.16 0.0 119.34 106.58 0.83 -7.81 -34.44
2379.75
-1.194e+04 -34.44 0.05 0.0 98.8 -0.88 -72.00 0.83 -7.81 49.92
4040.32

197.5 -121.11 -250.58 0.83 -7.81 134.28 -
1.194e+04
67 55 5172.52 80.96 0.06 -357.16 0.0 -161.95 126.03 -1.28 5.20 80.96760.14
-9519.54 -176.06 0.01 0.0 98.8 -282.18 -52.55 -1.28 5.20 -47.55
4438.71

197.5 -402.40 -231.13 -1.28 5.20 -176.06 -
9519.54
67 56 4350.84 26.89 0.10 -357.16 0.0 -123.30 171.63 -0.37 2.96 26.89 -
3846.80
-5088.34 -50.53 -0.04 0.0 98.8 -243.53 -6.95 -0.37 2.96 -11.82
4350.84

197.5 -363.75 -185.53 -0.37 2.96 -50.53 -
5088.34
67 57 8054.29 20.09 -0.13 -357.16 0.0 80.28 59.70 -0.10 -5.56 20.09
7107.93
-1.650e+04 5.52 0.10 0.0 98.8 -39.95 -118.88 -0.10 -5.56 12.80
4120.06

197.5 -160.17 -297.46 -0.10 -5.56 5.52 -
1.650e+04

67	58	5524.80	131.05	-0.08	-357.16	0.0	118.93	105.30	0.81	-7.80	-33.97	2500.98
		-1.207e+04	-33.97	0.05	0.0	98.8	-1.30	-73.28	0.81	-7.80	48.54	4032.19
						197.5	-121.52	-251.86	0.81	-7.80	131.05	-1.207e+04
67	59	9314.05	123.43	-0.08	-357.16	0.0	-126.27	44.99	-1.97	4.17	123.43	8756.41
		-1.765e+04	-268.49	0.11	0.0	98.8	-246.50	-133.59	-1.97	4.17	-72.53	4373.18
						197.5	-366.72	-312.17	-1.97	4.17	-268.49	-1.765e+04
67	60	4337.20	171.47	0.11	-357.16	0.0	5.33	205.55	1.18	-3.37	-59.89	7408.30
		-7408.30	-59.89	-0.07	0.0	98.8	-114.90	26.97	1.18	-3.37	55.79	4134.44
						197.5	-235.12	-151.61	1.18	-3.37	171.47	1959.63
67	61	1.084e+04	106.88	-0.13	-357.16	0.0	-48.35	25.78	-1.64	0.76	106.88	1.067e+04
		-1.963e+04	-216.48	0.13	0.0	98.8	-168.57	-152.80	-1.64	0.76	-54.80	4336.46
						197.5	-288.80	-331.38	-1.64	0.76	-216.48	1.963e+04
67	62	4097.73	223.48	0.05	-357.16	0.0	83.25	186.34	1.51	-6.77	-76.44	5495.29
		-5495.29	-76.44	-0.05	0.0	98.8	-36.98	7.76	1.51	-6.77	73.52	4097.73
						197.5	-157.20	-170.82	1.51	-6.77	223.48	3946.08
67	63	9324.67	124.28	-0.07	-357.16	0.0	-123.65	45.34	-1.98	4.08	124.28	8760.75
		-1.759e+04	-269.72	0.11	0.0	98.8	-243.87	-133.24	-1.98	4.08	-72.72	4402.62
						197.5	-364.09	-311.82	-1.98	4.08	-269.72	1.759e+04
67	64	4369.77	170.24	0.11	-357.16	0.0	7.95	205.89	1.16	-3.46	-59.04	7403.96
		-7403.96	-59.04	-0.08	0.0	98.8	-112.27	27.31	1.16	-3.46	55.60	4163.88
						197.5	-232.50	-151.27	1.16	-3.46	170.24	1905.10
67	65	1.083e+04	106.02	-0.13	-357.16	0.0	-50.98	25.44	-1.63	0.85	106.02	1.067e+04
		-1.969e+04	-215.25	0.13	0.0	98.8	-171.20	-153.14	-1.63	0.85	-54.61	4307.02
						197.5	-291.43	-331.72	-1.63	0.85	-215.25	1.969e+04
67	66	4068.29	224.71	0.05	-357.16	0.0	80.62	186.00	1.52	-6.68	-77.30	5499.63
		-5499.63	-77.30	-0.05	0.0	98.8	-39.60	7.41	1.52	-6.68	73.71	4068.29
						197.5	-159.83	-171.17	1.52	-6.68	224.71	4000.62
67	67	9017.74	121.87	-0.07	-357.16	0.0	-124.89	49.28	-1.91	4.14	121.87	8352.30
		-1.719e+04	-257.73	0.11	0.0	98.8	-245.11	-129.30	-1.91	4.14	-67.93	4400.26
						197.5	-365.34	-307.88	-1.91	4.14	-257.73	1.719e+04
67	68	4256.21	160.71	0.10	-357.16	0.0	3.94	201.26	1.11	-3.34	-58.34	7004.19
		-7004.19	-58.34	-0.07	0.0	98.8	-116.28	22.68	1.11	-3.34	51.19	4107.36
						197.5	-236.51	-155.90	1.11	-3.34	160.71	2417.91
67	69	1.049e+04	105.32	-0.12	-357.16	0.0	-46.97	30.07	-1.58	0.73	105.32	1.027e+04
		-1.918e+04	-205.72	0.13	0.0	98.8	-167.19	-148.51	-1.58	0.73	-50.20	4363.54
						197.5	-287.42	-327.09	-1.58	0.73	-205.72	1.918e+04

67	70	4070.64	212.72	0.04	-357.16	0.0	81.86	182.05	1.45	-6.74	-74.89	-5091.18
		-5091.18	-74.89	-0.05	0.0	98.8	-38.36	3.47	1.45	-6.74	68.92	4070.64
						197.5	-158.58	-175.11	1.45	-6.74	212.72	-4404.35
67	71	9028.36	122.73	-0.07	-357.16	0.0	-122.26	49.63	-1.92	4.05	122.73	8356.64
		-1.713e+04	-258.96	0.11	0.0	98.8	-242.49	-128.96	-1.92	4.05	-68.12	4429.70
						197.5	-362.71	-307.54	-1.92	4.05	-258.96	-1.713e+04
67	72	4288.79	159.48	0.10	-357.16	0.0	6.57	201.61	1.10	-3.43	-57.48	-6999.85
		-6999.85	-57.48	-0.07	0.0	98.8	-113.66	23.02	1.10	-3.43	51.00	4136.80
						197.5	-233.88	-155.56	1.10	-3.43	159.48	-2363.37
67	73	1.048e+04	104.47	-0.12	-357.16	0.0	-49.59	29.73	-1.57	0.82	104.47	1.026e+04
		-1.923e+04	-204.49	0.13	0.0	98.8	-169.82	-148.85	-1.57	0.82	-50.01	4334.11
						197.5	-290.04	-327.44	-1.57	0.82	-204.49	-1.923e+04
67	74	4041.20	213.95	0.04	-357.16	0.0	79.24	181.71	1.46	-6.65	-75.74	-5095.52
		-5095.52	-75.74	-0.05	0.0	98.8	-40.99	3.13	1.46	-6.65	69.11	4041.20
						197.5	-161.21	-175.46	1.46	-6.65	213.95	-4458.89
67	75	5140.26	69.11	0.04	-357.16	0.0	-145.52	122.22	-1.08	4.34	69.11	999.34
		-1.000e+04	-149.01	0.02	0.0	98.8	-265.74	-56.36	-1.08	4.34	-39.95	4315.96
						197.5	-385.97	-234.94	-1.08	4.34	-149.01	-1.000e+04
67	76	4312.16	23.64	0.08	-357.16	0.0	-112.78	162.04	-0.30	2.47	23.64	-3010.44
		-6114.48	-39.91	-0.03	0.0	98.8	-233.00	-16.54	-0.30	2.47	-8.13	4255.95
						197.5	-353.23	-195.12	-0.30	2.47	-39.91	-6114.48
67	77	7567.15	23.34	-0.11	-357.16	0.0	69.75	69.29	-0.16	-5.08	23.34	6271.56
		-1.548e+04	-5.09	0.09	0.0	98.8	-50.47	-109.29	-0.16	-5.08	9.12	4214.96
						197.5	-170.70	-287.87	-0.16	-5.08	-5.09	-1.548e+04
67	78	5511.82	104.00	-0.06	-357.16	0.0	102.49	109.11	0.62	-6.95	-22.12	2261.79
		-1.159e+04	-22.12	0.04	0.0	98.8	-17.73	-69.47	0.62	-6.95	40.94	4154.94
						197.5	-137.95	-248.05	0.62	-6.95	104.00	-1.159e+04
67	79	5120.02	68.72	0.04	-357.16	0.0	-145.17	123.29	-1.07	4.33	68.72	898.72
		-9890.52	-146.34	0.01	0.0	98.8	-265.39	-55.29	-1.07	4.33	-38.81	4322.51
						197.5	-385.61	-233.88	-1.07	4.33	-146.34	-9890.52
67	80	4319.01	24.03	0.08	-357.16	0.0	-113.13	160.97	-0.32	2.48	24.03	-2909.83
		-6228.19	-42.58	-0.03	0.0	98.8	-233.36	-17.61	-0.32	2.48	-9.27	4249.40
						197.5	-353.58	-196.19	-0.32	2.48	-42.58	-6228.19
67	81	7506.72	22.95	-0.10	-357.16	0.0	70.11	70.36	-0.15	-5.08	22.95	6170.95
		-1.536e+04	-2.43	0.09	0.0	98.8	-50.12	-108.22	-0.15	-5.08	10.26	4221.51
						197.5	-170.34	-286.80	-0.15	-5.08	-2.43	-1.536e+04
67	82	5545.46	101.33	-0.06	-357.16	0.0	102.14	108.05	0.60	-6.94	-21.74	2362.40

		-1.170e+04	-21.74	0.04	0.0	98.8	-18.08	-70.54	0.60	-6.94	39.80	
4148.39												
						197.5	-138.31	-249.12	0.60	-6.94	101.33	-
1.170e+04												
67	83	5204.60	71.48	0.04	-357.16	0.0	-138.25	123.17	-1.11	4.09	71.48	
1011.69												
		-9853.24	-152.42	0.01	0.0	98.8	-258.47	-55.41	-1.11	4.09	-40.47	
4397.63												
						197.5	-378.70	-233.99	-1.11	4.09	-152.42	-
9853.24												
67	84	4385.16	26.02	0.09	-357.16	0.0	-105.51	162.99	-0.33	2.22	26.02	-
2998.09												
		-5963.50	-43.33	-0.03	0.0	98.8	-225.73	-15.59	-0.33	2.22	-8.66	
4337.61												
						197.5	-345.95	-194.17	-0.33	2.22	-43.33	-
5963.50												
67	85	7528.81	20.96	-0.11	-357.16	0.0	62.48	68.34	-0.13	-4.83	20.96	
6259.22												
		-1.563e+04	-1.68	0.09	0.0	98.8	-57.74	-110.24	-0.13	-4.83	9.64	
4133.29												
						197.5	-177.97	-288.82	-0.13	-4.83	-1.68	-
1.563e+04												
67	86	5456.15	107.42	-0.06	-357.16	0.0	95.22	108.16	0.65	-6.70	-24.50	
2249.44												
		-1.174e+04	-24.50	0.04	0.0	98.8	-25.00	-70.42	0.65	-6.70	41.46	
4073.27												
						197.5	-145.23	-249.00	0.65	-6.70	107.42	-
1.174e+04												
67	87	5184.36	71.10	0.04	-357.16	0.0	-137.89	124.24	-1.10	4.09	71.10911.07	
		-9739.53	-149.76	0.01	0.0	98.8	-258.12	-54.34	-1.10	4.09	-39.33	
4404.18												
						197.5	-378.34	-232.92	-1.10	4.09	-149.76	-
9739.53												
67	88	4392.01	26.41	0.08	-357.16	0.0	-105.86	161.93	-0.35	2.23	26.41	-
2897.48												
		-6077.21	-46.00	-0.03	0.0	98.8	-226.08	-16.65	-0.35	2.23	-9.79	
4331.07												
						197.5	-346.31	-195.24	-0.35	2.23	-46.00	-
6077.21												
67	89	7468.38	20.58	-0.11	-357.16	0.0	62.84	69.41	-0.12	-4.84	20.58	
6158.60												
		-1.552e+04	0.99	0.09	0.0	98.8	-57.39	-109.18	-0.12	-4.84	10.78	
4139.84												
						197.5	-177.61	-287.76	-0.12	-4.84	0.99	-
1.552e+04												
67	90	5489.78	104.75	-0.07	-357.16	0.0	94.87	107.09	0.63	-6.69	-24.11	
2350.05												
		-1.185e+04	-24.11	0.04	0.0	98.8	-25.35	-71.49	0.63	-6.69	40.32	
4066.72												
						197.5	-145.58	-250.07	0.63	-6.69	104.75	-
1.185e+04												
67	91	8399.99	106.13	-0.06	-357.16	0.0	-108.37	57.24	-1.67	3.23	106.13	
7522.69												
		-1.646e+04	-225.91	0.09	0.0	98.8	-228.60	-121.34	-1.67	3.23	-59.89	
4350.63												
						197.5	-348.82	-299.92	-1.67	3.23	-225.91	-
1.646e+04												
67	92	4159.71	137.73	0.09	-357.16	0.0	0.77	189.97	0.93	-3.01	-45.42	-
5843.24												
		-5843.24	-45.42	-0.06	0.0	98.8	-119.46	11.39	0.93	-3.01	46.16	
4150.57												
						197.5	-239.68	-167.19	0.93	-3.01	137.73	-
3492.44												
67	93	9561.81	92.40	-0.11	-357.16	0.0	-43.79	41.36	-1.40	0.40	92.40	
9104.36												
		-1.810e+04	-182.74	0.12	0.0	98.8	-164.02	-137.22	-1.40	0.40	-45.17	
4320.33												
						197.5	-284.24	-315.80	-1.40	0.40	-182.74	-
1.810e+04												
67	94	4120.27	180.91	0.04	-357.16	0.0	65.35	174.09	1.21	-5.83	-59.15	-
4261.57												
		-5134.71	-59.15	-0.03	0.0	98.8	-54.88	-4.49	1.21	-5.83	60.88	

4120.27												
						197.5	-175.10	-183.07	1.21	-5.83	180.91	-
5134.71												
67	95	8411.49	106.84	-0.06	-357.16	0.0	-106.19	57.53	-1.68	3.15	106.84	
7526.40												
		-1.641e+04	-226.94	0.09	0.0	98.8	-226.42	-121.05	-1.68	3.15	-60.05	
4375.14												
						197.5	-346.64	-299.63	-1.68	3.15	-226.94	-
1.641e+04												
67	96	4186.81	136.71	0.09	-357.16	0.0	2.95	190.25	0.92	-3.08	-44.70	-
5839.53												
		-5839.53	-44.70	-0.06	0.0	98.8	-117.28	11.67	0.92	-3.08	46.00	
4175.07												
						197.5	-237.50	-166.91	0.92	-3.08	136.71	-
3447.14												
67	97	9552.90	91.69	-0.11	-357.16	0.0	-45.97	41.08	-1.39	0.48	91.69	
9100.66												
		-1.815e+04	-181.71	0.12	0.0	98.8	-166.20	-137.50	-1.39	0.48	-45.01	
4295.83												
						197.5	-286.42	-316.08	-1.39	0.48	-181.71	-
1.815e+04												
67	98	4095.77	181.93	0.04	-357.16	0.0	63.17	173.80	1.21	-5.76	-59.86	-
4265.28												
		-5180.01	-59.86	-0.03	0.0	98.8	-57.06	-4.78	1.21	-5.76	61.04	
4095.77												
						197.5	-177.28	-183.36	1.21	-5.76	181.93	-
5180.01												
67	99	8198.56	104.84	-0.06	-357.16	0.0	-107.19	60.80	-1.62	3.20	104.84	
7187.31												
		-1.608e+04	-217.02	0.09	0.0	98.8	-227.42	-117.79	-1.62	3.20	-56.09	
4372.46												
						197.5	-347.64	-296.37	-1.62	3.20	-217.02	-
1.608e+04												
67	100	4128.74	128.84	0.08	-357.16	0.0	-0.41	186.42	0.88	-2.98	-44.12	-
5507.86												
		-5507.86	-44.12	-0.06	0.0	98.8	-120.64	7.83	0.88	-2.98	42.36	
4128.74												
						197.5	-240.86	-170.75	0.88	-2.98	128.84	-
3871.47												
67	101	9315.73	91.11	-0.10	-357.16	0.0	-42.61	44.92	-1.34	0.38	91.11	
8768.98												
		-1.772e+04	-173.85	0.12	0.0	98.8	-162.84	-133.66	-1.34	0.38	-41.37	
4342.16												
						197.5	-283.06	-312.25	-1.34	0.38	-173.85	-
1.772e+04												
67	102	4098.44	172.02	0.04	-357.16	0.0	64.17	170.54	1.16	-5.81	-57.85	-
3926.19												
		-5513.74	-57.85	-0.03	0.0	98.8	-56.06	-8.04	1.16	-5.81	57.08	
4098.44												
						197.5	-176.28	-186.62	1.16	-5.81	172.02	-
5513.74												
67	103	8210.06	105.55	-0.06	-357.16	0.0	-105.01	61.08	-1.63	3.13	105.55	
7191.02												
		-1.603e+04	-218.05	0.09	0.0	98.8	-225.24	-117.50	-1.63	3.13	-56.25	
4396.96												
						197.5	-345.46	-296.08	-1.63	3.13	-218.05	-
1.603e+04												
67	104	4153.25	127.82	0.08	-357.16	0.0	1.77	186.70	0.87	-3.05	-43.41	-
5504.15												
		-5504.15	-43.41	-0.06	0.0	98.8	-118.46	8.12	0.87	-3.05	42.20	
4153.25												
						197.5	-238.68	-170.46	0.87	-3.05	127.82	-
3826.18												
67	105	9306.82	90.40	-0.10	-357.16	0.0	-44.79	44.63	-1.34	0.45	90.40	
8765.28												
		-1.777e+04	-172.82	0.12	0.0	98.8	-165.02	-133.95	-1.34	0.45	-41.21	
4317.66												
						197.5	-285.24	-312.53	-1.34	0.45	-172.82	-
1.777e+04												
67	106	4073.94	173.04	0.03	-357.16	0.0	61.99	170.25	1.16	-5.73	-58.57	-
3929.89												
		-5559.04	-58.57	-0.03	0.0	98.8	-58.24	-8.33	1.16	-5.73	57.24	

4073.94												
						197.5	-178.46	-186.91	1.16	-5.73	173.04	-
5559.04												
69	1	26.98	2.71	7.06e-03	-105.29	0.0	0.14	73.18	0.04	0.59	-3.58	-
4041.92												
		-4041.92	-3.58	2.52e-03	0.0	80.0	0.14	20.54	0.04	0.59	-0.44	-
293.07												
						160.0	0.14	-32.10	0.04	0.59	2.71	-
755.67												
69	2	1193.46	25.62	0.04	-717.29	0.0	-79.45	467.17	0.22	1.54	-9.34	-
2.311e+04												
		-2.311e+04	-9.34	8.76e-03	0.0	80.0	-79.45	108.53	0.22	1.54	8.14	-80.48
						160.0	-79.45	-250.12	0.22	1.54	25.62	-
5744.04												
69	3	-0.59	1.65	4.83e-03	-69.44	0.0	1.61	48.86	0.03	0.43	-2.64	-
2749.35												
		-2749.35	-2.64	1.82e-03	0.0	80.0	1.61	14.14	0.03	0.43	-0.50	-
229.45												
						160.0	1.61	-20.58	0.03	0.43	1.65	-
487.15												
69	4	1173.88	24.56	0.04	-681.44	0.0	-77.98	442.85	0.21	1.38	-8.40	-
2.182e+04												
		-2.182e+04	-8.40	8.06e-03	0.0	80.0	-77.98	102.13	0.21	1.38	8.08	-16.86
						160.0	-77.98	-238.59	0.21	1.38	24.56	-
5475.51												
69	5	11.48	1.89	5.17e-03	-75.97	0.0	0.76	53.06	0.03	0.44	-2.71	-
2952.73												
		-2952.73	-2.71	1.88e-03	0.0	80.0	0.76	15.08	0.03	0.44	-0.41	-
227.18												
						160.0	0.76	-22.91	0.03	0.44	1.89	-
540.36												
69	6	784.31	17.17	0.03	-483.97	0.0	-52.30	315.72	0.15	1.08	-6.55	-
1.566e+04												
		-1.566e+04	-6.55	6.05e-03	0.0	80.0	-52.30	73.74	0.15	1.08	5.31	-85.46
						160.0	-52.30	-168.25	0.15	1.08	17.17	-
3865.93												
69	7	11.48	1.89	5.17e-03	-75.97	0.0	0.76	53.06	0.03	0.44	-2.71	-
2952.73												
		-2952.73	-2.71	1.88e-03	0.0	80.0	0.76	15.08	0.03	0.44	-0.41	-
227.18												
						160.0	0.76	-22.91	0.03	0.44	1.89	-
540.36												
69	8	542.83	12.59	0.02	-361.57	0.0	-36.38	236.92	0.11	0.89	-5.39	-
1.185e+04												
		-1.185e+04	-5.39	4.80e-03	0.0	80.0	-36.38	56.14	0.11	0.89	3.60	-
127.97												
						160.0	-36.38	-124.65	0.11	0.89	12.59	-
2868.26												
69	9	11.48	1.89	5.17e-03	-75.97	0.0	0.76	53.06	0.03	0.44	-2.71	-
2952.73												
		-2952.73	-2.71	1.88e-03	0.0	80.0	0.76	15.08	0.03	0.44	-0.41	-
227.18												
						160.0	0.76	-22.91	0.03	0.44	1.89	-
540.36												
69	10	463.87	11.06	0.02	-320.77	0.0	-31.07	210.66	0.10	0.82	-5.01	-
1.058e+04												
		-1.058e+04	-5.01	4.38e-03	0.0	80.0	-31.07	50.27	0.10	0.82	3.02	-
142.15												
						160.0	-31.07	-110.11	0.10	0.82	11.06	-
2535.70												
69	11	7327.30	47.88	0.03	-320.77	0.0	7.88	20.92	0.70	-1.82	-52.02	
7227.69												
		-1.524e+04	-52.02	-5.27e-03	0.0	80.0	7.88	-139.46	0.70	-1.82	-2.07	
2411.14												
						160.0	7.88	-299.84	0.70	-1.82	47.88	-
1.524e+04												
69	12	334.54	96.83	0.03	-320.77	0.0	-306.85	126.29	0.52	-8.24	-7.84	-
3590.61												
		-9161.96	-7.84	-0.03	0.0	80.0	-306.85	-34.09	0.52	-8.24	44.49	39.08
						160.0	-306.85	-194.48	0.52	-8.24	96.83	-
9161.96												
69	13	4240.49	-2.18	5.44e-03	-320.77	0.0	244.71	295.02	-0.32	9.88	-2.18	-

1.757e+04												
		-1.757e+04	-74.71	0.04	0.0	80.0	244.71	134.64	-0.32	9.88	-38.44	-
323.37												
						160.0	244.71	-25.74	-0.32	9.88	-74.71	
4090.55												
69	14	1.016e+04	42.00	8.55e-03	-320.77	0.0	-70.03	400.39	-0.50	3.46	42.00	-
2.839e+04												
		-2.839e+04	-25.77	0.01	0.0	80.0	-70.03	240.00	-0.50	3.46	8.12	-
2695.43												
						160.0	-70.03	79.62	-0.50	3.46	-25.77	
1.016e+04												
69	15	6874.35	49.93	0.03	-320.77	0.0	6.63	25.94	0.70	-2.00	-52.11	
6725.00												
		-1.494e+04	-52.11	-5.69e-03	0.0	80.0	6.63	-134.44	0.70	-2.00	-1.09	
2306.35												
						160.0	6.63	-294.83	0.70	-2.00	49.93	-
1.494e+04												
69	16	538.80	94.79	0.03	-320.77	0.0	-305.60	121.27	0.52	-8.05	-7.75	-
3087.92												
		-9455.07	-7.75	-0.03	0.0	80.0	-305.60	-39.11	0.52	-8.05	43.52	143.86
						160.0	-305.60	-199.50	0.52	-8.05	94.79	-
9455.07												
69	17	4483.87	-2.27	5.90e-03	-320.77	0.0	243.46	300.04	-0.32	9.70	-2.27	-
1.807e+04												
		-1.807e+04	-72.67	0.04	0.0	80.0	243.46	139.66	-0.32	9.70	-37.47	-
428.16												
						160.0	243.46	-20.73	-0.32	9.70	-72.67	
4383.67												
69	18	9871.61	42.09	8.23e-03	-320.77	0.0	-68.78	395.37	-0.49	3.65	42.09	-
2.788e+04												
		-2.788e+04	-27.81	0.01	0.0	80.0	-68.78	234.99	-0.49	3.65	7.14	-
2590.65												
						160.0	-68.78	74.60	-0.49	3.65	-27.81	
9871.61												
69	19	6991.68	49.65	0.03	-320.77	0.0	16.04	25.43	0.70	-1.95	-50.15	
6849.60												
		-1.493e+04	-50.15	-5.37e-03	0.0	80.0	16.04	-134.95	0.70	-1.95	-0.25	
2372.77												
						160.0	16.04	-295.34	0.70	-1.95	49.65	-
1.493e+04												
69	20	211.24	98.59	0.03	-320.77	0.0	-298.69	130.80	0.51	-8.37	-5.97	-
3968.70												
		-8860.60	-5.97	-0.03	0.0	80.0	-298.69	-29.59	0.51	-8.37	46.31	0.71
						160.0	-298.69	-189.97	0.51	-8.37	98.59	-
8860.60												
69	21	3981.60	-4.05	4.39e-03	-320.77	0.0	236.55	290.52	-0.31	10.02	-4.05	-
1.719e+04												
		-1.719e+04	-76.47	0.04	0.0	80.0	236.55	130.13	-0.31	10.02	-40.26	-
285.01												
						160.0	236.55	-30.25	-0.31	10.02	-76.47	
3789.19												
69	22	9863.36	40.13	8.09e-03	-320.77	0.0	-78.19	395.88	-0.50	3.60	40.13	-
2.801e+04												
		-2.801e+04	-27.53	0.01	0.0	80.0	-78.19	235.50	-0.50	3.60	6.30	-
2657.07												
						160.0	-78.19	75.12	-0.50	3.60	-27.53	
9863.36												
69	23	6538.72	51.69	0.03	-320.77	0.0	14.79	30.45	0.69	-2.14	-50.24	
6346.91												
		-1.464e+04	-50.24	-5.79e-03	0.0	80.0	14.79	-129.94	0.69	-2.14	0.72	
2267.99												
						160.0	14.79	-290.32	0.69	-2.14	51.69	-
1.464e+04												
69	24	415.50	96.55	0.03	-320.77	0.0	-297.44	125.78	0.52	-8.18	-5.88	-
3466.01												
		-9153.71	-5.88	-0.03	0.0	80.0	-297.44	-34.61	0.52	-8.18	45.34	105.50
						160.0	-297.44	-194.99	0.52	-8.18	96.55	-
9153.71												
69	25	4224.97	-4.14	4.85e-03	-320.77	0.0	235.29	295.54	-0.32	9.83	-4.14	-
1.769e+04												
		-1.769e+04	-74.43	0.04	0.0	80.0	235.29	135.15	-0.32	9.83	-39.29	-
389.79												

						160.0	235.29	-25.23	-0.32	9.83	-74.43	
4082.31												
69	26	9570.25	40.22	7.77e-03	-320.77	0.0	-76.94	390.86	-0.49	3.78	40.22	-
2.751e+04												
		-2.751e+04	-29.57	0.01	0.0	80.0	-76.94	230.48	-0.49	3.78	5.33	-
2552.28												
						160.0	-76.94	70.10	-0.49	3.78	-29.57	
9570.25												
69	27	1.117e+04	-52.13	0.02	-320.77	0.0	457.96	-6.07	0.56	9.77	-86.11	
1.117e+04												
		-1.556e+04	-86.11	0.04	0.0	80.0	457.96	-166.45	0.56	9.77	-69.12	
4221.47												
						160.0	457.96	-326.84	0.56	9.77	-52.13	-
1.556e+04												
69	28	4688.92	111.03	0.02	-320.77	0.0	-591.16	345.15	-0.05	-11.63	61.14	-
2.489e+04												
		-2.489e+04	61.14	-0.05	0.0	80.0	-591.16	184.77	-0.05	-11.63	86.08	-
3685.41												
						160.0	-591.16	24.38	-0.05	-11.63	111.03	
4688.92												
69	29	5170.31	-71.16	0.01	-320.77	0.0	529.01	76.16	0.25	13.28	-71.16	
3731.83												
		-9760.32	-88.91	0.06	0.0	80.0	529.01	-84.22	0.25	13.28	-80.03	
3401.11												
						160.0	529.01	-244.61	0.25	13.28	-88.91	-
9760.32												
69	30	1.049e+04	76.09	0.02	-320.77	0.0	-520.11	427.38	-0.36	-8.12	76.09	-
3.233e+04												
		-3.233e+04	74.25	-0.03	0.0	80.0	-520.11	267.00	-0.36	-8.12	75.17	-
4505.76												
						160.0	-520.11	106.61	-0.36	-8.12	74.25	
1.049e+04												
69	31	1.106e+04	-51.60	0.02	-320.77	0.0	460.41	-4.72	0.56	9.73	-85.55	
1.106e+04												
		-1.547e+04	-85.55	0.04	0.0	80.0	460.41	-165.10	0.56	9.73	-68.57	
4209.96												
						160.0	460.41	-325.48	0.56	9.73	-51.60	-
1.547e+04												
69	32	4779.32	111.55	0.03	-320.77	0.0	-588.71	346.50	-0.05	-11.67	61.70	-
2.500e+04												
		-2.500e+04	61.70	-0.05	0.0	80.0	-588.71	186.12	-0.05	-11.67	86.63	-
3696.92												
						160.0	-588.71	25.73	-0.05	-11.67	111.55	
4779.32												
69	33	5232.78	-71.72	0.01	-320.77	0.0	526.56	74.81	0.25	13.32	-71.72	
3845.26												
		-9850.73	-89.44	0.06	0.0	80.0	526.56	-85.57	0.25	13.32	-80.58	
3412.62												
						160.0	526.56	-245.96	0.25	13.32	-89.44	-
9850.73												
69	34	1.040e+04	75.53	0.02	-320.77	0.0	-522.56	426.03	-0.36	-8.08	75.53	-
3.222e+04												
		-3.222e+04	73.72	-0.03	0.0	80.0	-522.56	265.64	-0.36	-8.08	74.62	-
4494.25												
						160.0	-522.56	105.26	-0.36	-8.08	73.72	
1.040e+04												
69	35	9494.91	-45.32	0.02	-320.77	0.0	453.79	10.66	0.54	9.15	-86.43	
9494.91												
		-1.458e+04	-86.43	0.04	0.0	80.0	453.79	-149.72	0.54	9.15	-65.88	
3872.18												
						160.0	453.79	-310.11	0.54	9.15	-45.32	-
1.458e+04												
69	36	3711.87	104.22	0.02	-320.77	0.0	-586.99	328.42	-0.04	-11.01	61.45	-
2.321e+04												
		-2.321e+04	61.45	-0.04	0.0	80.0	-586.99	168.04	-0.04	-11.01	82.84	-
3336.12												
						160.0	-586.99	7.65	-0.04	-11.01	104.22	
3711.87												
69	37	4182.06	-71.47	0.01	-320.77	0.0	524.84	92.89	0.24	12.66	-71.47	
2056.20												
		-8783.27	-82.10	0.05	0.0	80.0	524.84	-67.49	0.24	12.66	-76.79	
3051.82												

						160.0	524.84	-227.88	0.24	12.66	-82.10	-
8783.27												
69	38	9509.87	76.41	0.02	-320.77	0.0	-515.94	410.65	-0.34	-7.50	76.41	-
3.065e+04												
		-3.065e+04	67.44	-0.03	0.0	80.0	-515.94	250.27	-0.34	-7.50	71.92	-
4156.47												
						160.0	-515.94	89.88	-0.34	-7.50	67.44	
9509.87												
69	39	9393.06	-44.80	0.02	-320.77	0.0	456.24	12.01	0.54	9.11	-85.86	
9381.48												
		-1.449e+04	-85.86	0.04	0.0	80.0	456.24	-148.37	0.54	9.11	-65.33	
3860.67												
						160.0	456.24	-308.75	0.54	9.11	-44.80	-
1.449e+04												
69	40	3802.28	104.75	0.02	-320.77	0.0	-584.54	329.77	-0.04	-11.05	62.02	-
2.333e+04												
		-2.333e+04	62.02	-0.05	0.0	80.0	-584.54	169.39	-0.04	-11.05	83.38	-
3347.63												
						160.0	-584.54	9.01	-0.04	-11.05	104.75	
3802.28												
69	41	4231.79	-72.04	0.01	-320.77	0.0	522.39	91.54	0.24	12.70	-72.04	
2169.63												
		-8873.68	-82.63	0.05	0.0	80.0	522.39	-68.84	0.24	12.70	-77.33	
3063.33												
						160.0	522.39	-229.23	0.24	12.70	-82.63	-
8873.68												
69	42	9419.47	75.84	0.02	-320.77	0.0	-518.39	409.30	-0.34	-7.46	75.84	-
3.054e+04												
		-3.054e+04	66.91	-0.03	0.0	80.0	-518.39	248.92	-0.34	-7.46	71.38	-
4144.96												
						160.0	-518.39	88.53	-0.34	-7.46	66.91	
9419.47												
69	43	4298.65	40.17	0.03	-320.77	0.0	-0.22	62.29	0.57	-1.27	-41.89	
3354.49												
		-1.246e+04	-41.89	-3.18e-03	0.0	80.0	-0.22	-98.10	0.57	-1.27	-0.86	
1862.64												
						160.0	-0.22	-258.48	0.57	-1.27	40.17	-
1.246e+04												
69	44	38.38	78.42	0.03	-320.77	0.0	-249.09	145.51	0.43	-6.35	-6.93	-
5194.36												
		-7668.39	-6.93	-0.02	0.0	80.0	-249.09	-14.87	0.43	-6.35	35.75	-16.01
						160.0	-249.09	-175.26	0.43	-6.35	78.42	-
7668.39												
69	45	3083.55	-3.09	7.98e-03	-320.77	0.0	186.94	275.80	-0.23	7.99	-3.09	-
1.596e+04												
		-1.596e+04	-56.30	0.03	0.0	80.0	186.94	115.42	-0.23	7.99	-29.70	-
268.28												
						160.0	186.94	-44.97	-0.23	7.99	-56.30	
2596.98												
69	46	7388.52	31.87	9.50e-03	-320.77	0.0	-61.93	359.02	-0.37	2.92	31.87	-
2.451e+04												
		-2.451e+04	-18.05	0.01	0.0	80.0	-61.93	198.64	-0.37	2.92	6.91	-
2146.94												
						160.0	-61.93	38.26	-0.37	2.92	-18.05	
7388.52												
69	47	4018.54	41.73	0.03	-320.77	0.0	-1.18	66.28	0.56	-1.42	-41.97	
2955.66												
		-1.223e+04	-41.97	-3.53e-03	0.0	80.0	-1.18	-94.10	0.56	-1.42	-0.12	
1780.40												
						160.0	-1.18	-254.49	0.56	-1.42	41.73	-
1.223e+04												
69	48	160.19	76.86	0.03	-320.77	0.0	-248.13	141.52	0.43	-6.20	-6.85	-
4795.52												
		-7902.73	-6.85	-0.02	0.0	80.0	-248.13	-18.86	0.43	-6.20	35.00	66.23
						160.0	-248.13	-179.25	0.43	-6.20	76.86	-
7902.73												
69	49	3238.75	-3.17	8.35e-03	-320.77	0.0	185.98	279.79	-0.23	7.85	-3.17	-
1.636e+04												
		-1.636e+04	-54.74	0.03	0.0	80.0	185.98	119.41	-0.23	7.85	-28.95	-
350.53												
						160.0	185.98	-40.98	-0.23	7.85	-54.74	
2831.33												

69	50	7154.17	31.95	9.13e-03	-320.77	0.0	-60.97	355.03	-0.36	3.06	31.95	-2.411e+04
		-2.411e+04	-19.61	0.01	0.0	80.0	-60.97	194.65	-0.36	3.06	6.17	-2064.70
						160.0	-60.97	34.27	-0.36	3.06	-19.61	7154.17
69	51	4084.90	41.53	0.03	-320.77	0.0	6.20	66.25	0.56	-1.38	-40.34	3028.20
		-1.219e+04	-40.34	-3.27e-03	0.0	80.0	6.20	-94.13	0.56	-1.38	0.59	1836.47
						160.0	6.20	-254.52	0.56	-1.38	41.53	-1.219e+04
69	52	-25.32	79.78	0.03	-320.77	0.0	-242.67	149.48	0.43	-6.45	-5.38	-5520.65
		-7394.45	-5.38	-0.02	0.0	80.0	-242.67	-10.91	0.43	-6.45	37.20	-42.19
						160.0	-242.67	-171.29	0.43	-6.45	79.78	-7394.45
69	53	2884.63	-4.64	7.09e-03	-320.77	0.0	180.53	271.84	-0.23	8.10	-4.64	-1.564e+04
		-1.564e+04	-57.66	0.03	0.0	80.0	180.53	111.45	-0.23	8.10	-31.15	-242.11
						160.0	180.53	-48.93	-0.23	8.10	-57.66	2323.04
69	54	7114.58	30.32	8.62e-03	-320.77	0.0	-68.34	355.06	-0.36	3.02	30.32	-2.419e+04
		-2.419e+04	-19.41	0.01	0.0	80.0	-68.34	194.68	-0.36	3.02	5.46	-2120.76
						160.0	-68.34	34.29	-0.36	3.02	-19.41	7114.58
69	55	3804.79	43.09	0.03	-320.77	0.0	5.24	70.24	0.56	-1.52	-40.42	2629.37
		-1.195e+04	-40.42	-3.62e-03	0.0	80.0	5.24	-90.14	0.56	-1.52	1.34	1754.23
						160.0	5.24	-250.53	0.56	-1.52	43.09	-1.195e+04
69	56	96.50	78.22	0.03	-320.77	0.0	-241.71	145.48	0.43	-6.31	-5.30	-5121.81
		-7628.80	-5.30	-0.02	0.0	80.0	-241.71	-14.90	0.43	-6.31	36.46	40.06
						160.0	-241.71	-175.28	0.43	-6.31	78.22	-7628.80
69	57	3039.84	-4.72	7.46e-03	-320.77	0.0	179.57	275.83	-0.23	7.95	-4.72	-1.604e+04
		-1.604e+04	-56.10	0.03	0.0	80.0	179.57	115.44	-0.23	7.95	-30.41	-324.35
						160.0	179.57	-44.94	-0.23	7.95	-56.10	2557.39
69	58	6880.23	30.40	8.25e-03	-320.77	0.0	-67.38	351.07	-0.36	3.17	30.40	-2.379e+04
		-2.379e+04	-20.97	0.01	0.0	80.0	-67.38	190.69	-0.36	3.17	4.71	-2038.52
						160.0	-67.38	30.30	-0.36	3.17	-20.97	6880.23
69	59	6954.97	-38.22	0.02	-320.77	0.0	355.63	39.92	0.45	7.89	-69.10	6566.59
		-1.278e+04	-69.10	0.03	0.0	80.0	355.63	-120.46	0.45	7.89	-53.66	3308.59
						160.0	355.63	-280.84	0.45	7.89	-38.22	-1.278e+04
69	60	3191.66	89.28	0.02	-320.77	0.0	-473.93	317.33	-6.60e-03	-9.03	47.44	-2.193e+04
		-2.193e+04	47.44	-0.04	0.0	80.0	-473.93	156.95	-6.60e-03	-9.03	68.36	-2953.60
						160.0	-473.93	-3.43	-6.60e-03	-9.03	89.28	3191.66
69	61	3461.03	-57.46	0.01	-320.77	0.0	411.78	103.98	0.21	10.67	-57.46	770.96
		-8263.06	-67.16	0.05	0.0	80.0	411.78	-56.41	0.21	10.67	-62.31	2669.31
						160.0	411.78	-216.79	0.21	10.67	-67.16	8263.06
69	62	7708.73	60.34	0.02	-320.77	0.0	-417.78	381.39	-0.25	-6.25	59.08	-2.773e+04
		-2.773e+04	59.08	-0.03	0.0	80.0	-417.78	221.00	-0.25	-6.25	59.71	-

3592.88												
						160.0	-417.78	60.62	-0.25	-6.25	60.34	
7708.73												
69	63	6879.59	-37.81	0.02	-320.77	0.0	357.56	41.11	0.45	7.86	-68.64	
6468.70												
		-1.270e+04	-68.64	0.03	0.0	80.0	357.56	-119.27	0.45	7.86	-53.22	
3300.73												
						160.0	357.56	-279.65	0.45	7.86	-37.81	-
1.270e+04												
69	64	3273.84	89.69	0.02	-320.77	0.0	-472.00	318.52	-7.60e-03	-9.06	47.91	-
2.203e+04												
		-2.203e+04	47.91	-0.04	0.0	80.0	-472.00	158.14	-7.60e-03	-9.06	68.80	-
2961.46												
						160.0	-472.00	-2.24	-7.60e-03	-9.06	89.69	
3273.84												
69	65	3502.64	-57.93	0.01	-320.77	0.0	409.86	102.79	0.21	10.70	-57.93	868.85
		-8345.24	-67.57	0.05	0.0	80.0	409.86	-57.59	0.21	10.70	-62.75	
2677.16												
						160.0	409.86	-217.98	0.21	10.70	-67.57	-
8345.24												
69	66	7626.55	59.93	0.02	-320.77	0.0	-419.70	380.20	-0.24	-6.21	58.62	-
2.763e+04												
		-2.763e+04	58.62	-0.03	0.0	80.0	-419.70	219.82	-0.24	-6.21	59.27	-
3585.03												
						160.0	-419.70	59.43	-0.24	-6.21	59.93	
7626.55												
69	67	5914.73	-33.02	0.02	-320.77	0.0	352.44	53.23	0.44	7.41	-69.36	
5237.14												
		-1.200e+04	-69.36	0.03	0.0	80.0	352.44	-107.16	0.44	7.41	-51.19	
3034.44												
						160.0	352.44	-267.54	0.44	7.41	-33.02	-
1.200e+04												
69	68	2475.93	84.07	0.02	-320.77	0.0	-470.73	304.03	2.20e-03	-8.54	47.70	-
2.060e+04												
		-2.060e+04	47.70	-0.04	0.0	80.0	-470.73	143.65	2.20e-03	-8.54	65.89	-
2679.46												
						160.0	-470.73	-16.74	2.20e-03	-8.54	84.07	
2410.50												
69	69	2859.63	-57.72	0.01	-320.77	0.0	408.58	117.28	0.20	10.19	-57.72	-
558.49												
		-7481.90	-61.96	0.04	0.0	80.0	408.58	-43.10	0.20	10.19	-59.84	
2395.16												
						160.0	408.58	-203.49	0.20	10.19	-61.96	-
7481.90												
69	70	6927.57	59.34	0.02	-320.77	0.0	-414.58	368.09	-0.24	-5.76	59.34	-
2.640e+04												
		-2.640e+04	55.13	-0.02	0.0	80.0	-414.58	207.70	-0.24	-5.76	57.24	-
3318.74												
						160.0	-414.58	47.32	-0.24	-5.76	55.13	
6927.57												
69	71	5850.60	-32.61	0.02	-320.77	0.0	354.36	54.42	0.44	7.38	-68.89	
5139.25												
		-1.192e+04	-68.89	0.03	0.0	80.0	354.36	-105.97	0.44	7.38	-50.75	
3026.59												
						160.0	354.36	-266.35	0.44	7.38	-32.61	-
1.192e+04												
69	72	2546.86	84.48	0.02	-320.77	0.0	-468.81	305.22	1.20e-03	-8.57	48.17	-
2.070e+04												
		-2.070e+04	48.17	-0.04	0.0	80.0	-468.81	144.84	1.20e-03	-8.57	66.32	-
2687.31												
						160.0	-468.81	-15.55	1.20e-03	-8.57	84.48	
2492.68												
69	73	2889.99	-58.19	0.01	-320.77	0.0	406.66	116.09	0.20	10.22	-58.19	-
460.60												
		-7564.08	-62.36	0.04	0.0	80.0	406.66	-44.29	0.20	10.22	-60.27	
2403.02												
						160.0	406.66	-204.68	0.20	10.22	-62.36	-
7564.08												
69	74	6845.39	58.88	0.02	-320.77	0.0	-416.51	366.90	-0.24	-5.73	58.88	-
2.630e+04												
		-2.630e+04	54.73	-0.02	0.0	80.0	-416.51	206.51	-0.24	-5.73	56.80	-
3310.88												

						160.0	-416.51	46.13	-0.24	-5.73	54.73	
6845.39												
69	75	2848.78	35.15	0.03	-320.77	0.0	-5.62	87.62	0.49	-0.91	-35.55	972.29
		-1.077e+04	-35.55	-1.87e-03	0.0	80.0	-5.62	-72.76	0.49	-0.91	-0.20	
1517.59												
						160.0	-5.62	-233.15	0.49	-0.91	35.15	-
1.077e+04												
69	76	-34.86	66.79	0.03	-320.77	0.0	-211.32	156.43	0.37	-5.10	-6.66	-
6094.78												
		-6805.66	-6.66	-0.02	0.0	80.0	-211.32	-3.96	0.37	-5.10	30.07	-34.86
						160.0	-211.32	-164.34	0.37	-5.10	66.79	-
6805.66												
69	77	2493.97	-3.36	9.75e-03	-320.77	0.0	149.17	264.89	-0.17	6.75	-3.36	-
1.506e+04												
		-1.506e+04	-44.67	0.03	0.0	80.0	149.17	104.50	-0.17	6.75	-24.02	-
249.44												
						160.0	149.17	-55.88	-0.17	6.75	-44.67	
1734.26												
69	78	5696.43	25.54	0.01	-320.77	0.0	-56.52	333.69	-0.29	2.55	25.54	-
2.213e+04												
		-2.213e+04	-13.03	0.01	0.0	80.0	-56.52	173.31	-0.29	2.55	6.25	-
1801.88												
						160.0	-56.52	12.92	-0.29	2.55	-13.03	
5696.43												
69	79	2650.67	36.44	0.03	-320.77	0.0	-6.42	90.92	0.48	-1.03	-35.62	642.91
		-1.057e+04	-35.62	-2.16e-03	0.0	80.0	-6.42	-69.47	0.48	-1.03	0.41	
1449.57												
						160.0	-6.42	-229.85	0.48	-1.03	36.44	-
1.057e+04												
69	80	33.16	65.49	0.03	-320.77	0.0	-210.53	153.13	0.38	-4.98	-6.59	-
5765.40												
		-6999.00	-6.59	-0.02	0.0	80.0	-210.53	-7.25	0.38	-4.98	29.45	33.16
						160.0	-210.53	-167.64	0.38	-4.98	65.49	-
6999.00												
69	81	2589.30	-3.43	0.01	-320.77	0.0	148.38	268.18	-0.18	6.63	-3.43	-
1.539e+04												
		-1.539e+04	-43.38	0.03	0.0	80.0	148.38	107.80	-0.18	6.63	-23.40	-
317.46												
						160.0	148.38	-52.59	-0.18	6.63	-43.38	
1927.60												
69	82	5503.08	25.60	0.01	-320.77	0.0	-55.73	330.40	-0.28	2.67	25.60	-
2.180e+04												
		-2.180e+04	-14.32	0.01	0.0	80.0	-55.73	170.01	-0.28	2.67	5.64	-
1733.86												
						160.0	-55.73	9.63	-0.28	2.67	-14.32	
5503.08												
69	83	2701.47	36.27	0.03	-320.77	0.0	-0.28	90.92	0.48	-1.00	-34.27	700.20
		-1.054e+04	-34.27	-1.94e-03	0.0	80.0	-0.28	-69.47	0.48	-1.00	1.00	
1495.06												
						160.0	-0.28	-229.85	0.48	-1.00	36.27	-
1.054e+04												
69	84	-57.39	67.91	0.03	-320.77	0.0	-205.98	159.72	0.37	-5.19	-5.38	-
6366.87												
		-6578.63	-5.38	-0.02	0.0	80.0	-205.98	-0.66	0.37	-5.19	31.27	-57.39
						160.0	-205.98	-161.05	0.37	-5.19	67.91	-
6578.63												
69	85	2360.53	-4.64	9.02e-03	-320.77	0.0	143.84	261.59	-0.17	6.84	-4.64	-
1.479e+04												
		-1.479e+04	-45.79	0.03	0.0	80.0	143.84	101.21	-0.17	6.84	-25.22	-
226.91												
						160.0	143.84	-59.18	-0.17	6.84	-45.79	
1507.23												
69	86	5469.40	24.25	0.01	-320.77	0.0	-61.86	330.40	-0.28	2.64	24.25	-
2.186e+04												
		-2.186e+04	-14.15	0.01	0.0	80.0	-61.86	170.01	-0.28	2.64	5.05	-
1779.35												
						160.0	-61.86	9.63	-0.28	2.64	-14.15	
5469.40												
69	87	2534.55	37.56	0.03	-320.77	0.0	-1.08	94.21	0.48	-1.12	-34.34	370.82
		-1.035e+04	-34.34	-2.23e-03	0.0	80.0	-1.08	-66.17	0.48	-1.12	1.61	
1427.04												
						160.0	-1.08	-226.56	0.48	-1.12	37.56	-

1.035e+04												
69	88	10.63	66.61	0.03	-320.77	0.0	-205.19	156.43	0.37	-5.07	-5.31	-
6037.49												
		-6771.97	-5.31	-0.02	0.0	80.0	-205.19	-3.96	0.37	-5.07	30.65	10.63
						160.0	-205.19	-164.34	0.37	-5.07	66.61	-
6771.97												
69	89	2455.86	-4.71	9.32e-03	-320.77	0.0	143.04	264.89	-0.17	6.72	-4.71	-
1.512e+04												
		-1.512e+04	-44.50	0.03	0.0	80.0	143.04	104.50	-0.17	6.72	-24.60	-
294.92												
						160.0	143.04	-55.88	-0.17	6.72	-44.50	
1700.57												
69	90	5276.06	24.32	9.98e-03	-320.77	0.0	-61.07	327.10	-0.28	2.76	24.32	-
2.153e+04												
		-2.153e+04	-15.44	0.01	0.0	80.0	-61.07	166.72	-0.28	2.76	4.44	-
1711.33												
						160.0	-61.07	6.33	-0.28	2.76	-15.44	
5276.06												
69	91	4772.81	-29.70	0.02	-320.77	0.0	288.54	69.39	0.39	6.67	-58.00	
3604.55												
		-1.101e+04	-58.00	0.03	0.0	80.0	288.54	-90.99	0.39	6.67	-43.85	
2710.32												
						160.0	288.54	-251.37	0.39	6.67	-29.70	-
1.101e+04												
69	92	2312.14	75.76	0.02	-320.77	0.0	-397.12	298.74	0.01	-7.32	38.32	-
1.995e+04												
		-1.995e+04	38.32	-0.03	0.0	80.0	-397.12	138.36	0.01	-7.32	57.04	-
2464.50												
						160.0	-397.12	-22.03	0.01	-7.32	75.76	
2192.60												
69	93	2536.46	-48.34	0.01	-320.77	0.0	334.98	122.57	0.19	8.96	-48.34	-
1206.29												
		-7264.01	-53.65	0.04	0.0	80.0	334.98	-37.81	0.19	8.96	-50.99	
2180.21												
						160.0	334.98	-198.19	0.19	8.96	-53.65	-
7264.01												
69	94	5943.23	51.82	0.02	-320.77	0.0	-350.68	351.92	-0.19	-5.02	47.98	-
2.476e+04												
		-2.476e+04	47.98	-0.02	0.0	80.0	-350.68	191.54	-0.19	-5.02	49.90	-
2994.61												
						160.0	-350.68	31.15	-0.19	-5.02	51.82	
5943.23												
69	95	4719.26	-29.36	0.02	-320.77	0.0	290.14	70.38	0.39	6.64	-57.62	
3522.92												
		-1.095e+04	-57.62	0.03	0.0	80.0	290.14	-90.00	0.39	6.64	-43.49	
2703.56												
						160.0	290.14	-250.39	0.39	6.64	-29.36	-
1.095e+04												
69	96	2370.89	76.10	0.02	-320.77	0.0	-395.52	299.73	0.01	-7.34	38.71	-
2.003e+04												
		-2.003e+04	38.71	-0.03	0.0	80.0	-395.52	139.34	0.01	-7.34	57.40	-
2471.26												
						160.0	-395.52	-21.04	0.01	-7.34	76.10	
2260.71												
69	97	2561.94	-48.73	0.01	-320.77	0.0	333.37	121.58	0.19	8.99	-48.73	-
1124.67												
		-7332.12	-53.98	0.04	0.0	80.0	333.37	-38.80	0.19	8.99	-51.35	
2186.97												
						160.0	333.37	-199.18	0.19	8.99	-53.98	-
7332.12												
69	98	5875.12	51.48	0.02	-320.77	0.0	-352.28	350.93	-0.19	-4.99	47.60	-
2.468e+04												
		-2.468e+04	47.60	-0.02	0.0	80.0	-352.28	190.55	-0.19	-4.99	49.54	-
2987.85												
						160.0	-352.28	30.16	-0.19	-4.99	51.48	
5875.12												
69	99	4098.94	-25.39	0.02	-320.77	0.0	285.89	80.38	0.38	6.27	-58.21	
2506.61												
		-1.037e+04	-58.21	0.03	0.0	80.0	285.89	-80.01	0.38	6.27	-41.80	
2483.58												
						160.0	285.89	-240.39	0.38	6.27	-25.39	-
1.037e+04												

69	100	1804.54	71.45	0.02	-320.77	0.0	-394.47	287.76	0.02	-6.92	38.54	-1.885e+04
		-1.885e+04	38.54	-0.03	0.0	80.0	-394.47	127.37	0.02	-6.92	54.99	-2237.77
						160.0	-394.47	-33.01	0.02	-6.92	71.45	1548.13
69	101	2122.94	-48.56	0.01	-320.77	0.0	332.33	133.55	0.18	8.56	-48.56	-2304.23
		-6619.54	-49.33	0.04	0.0	80.0	332.33	-26.83	0.18	8.56	-48.94	1953.48
						160.0	332.33	-187.21	0.18	8.56	-49.33	-6619.54
69	102	5298.76	48.19	0.02	-320.77	0.0	-348.03	340.94	-0.18	-4.62	48.19	-2.367e+04
		-2.367e+04	47.51	-0.02	0.0	80.0	-348.03	180.55	-0.18	-4.62	47.85	-2767.88
						160.0	-348.03	20.17	-0.18	-4.62	47.51	5298.76
69	103	4054.74	-25.05	0.02	-320.77	0.0	287.49	81.36	0.38	6.24	-57.83	2424.98
		-1.030e+04	-57.83	0.03	0.0	80.0	287.49	-79.02	0.38	6.24	-41.44	2476.83
						160.0	287.49	-239.40	0.38	6.24	-25.05	-1.030e+04
69	104	1853.93	71.79	0.02	-320.77	0.0	-392.87	288.75	0.02	-6.94	38.92	-1.894e+04
		-1.894e+04	38.92	-0.03	0.0	80.0	-392.87	128.36	0.02	-6.94	55.35	-2244.53
						160.0	-392.87	-32.02	0.02	-6.94	71.79	1616.24
69	105	2139.06	-48.94	0.01	-320.77	0.0	330.72	132.57	0.18	8.59	-48.94	-2222.60
		-6687.64	-49.67	0.04	0.0	80.0	330.72	-27.82	0.18	8.59	-49.30	1960.24
						160.0	330.72	-188.20	0.18	8.59	-49.67	-6687.64
69	106	5230.65	47.81	0.02	-320.77	0.0	-349.63	339.95	-0.18	-4.59	47.81	-2.358e+04
		-2.358e+04	47.17	-0.02	0.0	80.0	-349.63	179.57	-0.18	-4.59	47.49	-2761.12
						160.0	-349.63	19.18	-0.18	-4.59	47.17	5230.65
70	1	705.69	13.84	-1.75e-03	-21.58	0.0	-14.24	33.42	0.68	-8.85	-6.97	14.62
		14.62	-6.97	4.76e-04	0.0	15.2	-14.24	22.79	0.68	-8.85	3.43	443.18
						30.4	-14.24	11.84	0.68	-8.85	13.84	705.69
70	2	3481.03	51.12	-0.01	-153.94	0.0	-126.48	189.15	3.23	-27.72	-47.21	39.10
		39.10	-47.21	1.76e-03	0.0	15.2	-126.48	113.92	3.23	-27.72	1.95	2356.50
						30.4	-126.48	35.21	3.23	-27.72	51.12	3481.03
70	3	490.46	9.94	-1.14e-03	-14.10	0.0	-8.84	22.77	0.48	-6.45	-4.61	10.78
		10.78	-4.61	3.42e-04	0.0	15.2	-8.84	15.81	0.48	-6.45	2.67	304.80
						30.4	-8.84	8.67	0.48	-6.45	9.94	490.46
70	4	3265.80	47.22	-0.01	-146.46	0.0	-121.08	178.50	3.03	-25.32	-44.84	35.26
		35.26	-44.84	1.62e-03	0.0	15.2	-121.08	106.94	3.03	-25.32	1.19	2218.12
						30.4	-121.08	32.04	3.03	-25.32	47.22	3265.80
70	5	520.07	10.34	-1.26e-03	-15.51	0.0	-10.03	24.43	0.51	-6.65	-5.03	11.04
		11.04	-5.03	3.56e-04	0.0	15.2	-10.03	16.78	0.51	-6.65	2.65	325.21
						30.4	-10.03	8.92	0.51	-6.65	10.34	520.07
70	6	2370.29	35.19	-8.30e-03	-103.75	0.0	-84.86	128.25	2.20	-19.23	-31.86	27.36
		27.36	-31.86	1.21e-03	0.0	15.2	-84.86	77.53	2.20	-19.23	1.67	1600.75
						30.4	-84.86	24.50	2.20	-19.23	35.19	2370.29
70	7	520.07	10.34	-1.26e-03	-15.51	0.0	-10.03	24.43	0.51	-6.65	-5.03	11.04
		11.04	-5.03	3.56e-04	0.0	15.2	-10.03	16.78	0.51	-6.65	2.65	325.21
						30.4	-10.03	8.92	0.51	-6.65	10.34	520.07
70	8	1815.22	27.74	-6.19e-03	-77.28	0.0	-62.41	97.10	1.69	-15.46	-23.81	22.47
		22.47	-23.81	9.54e-04	0.0	15.2	-62.41	59.31	1.69	-15.46	1.96	1218.09

						30.4	-62.41	19.83	1.69	-15.46	27.74	
1815.22												
70	9	520.07	10.34	-1.26e-03	-15.51	0.0	-10.03	24.43	0.51	-6.65	-5.03	11.04
		11.04	-5.03	3.56e-04	0.0	15.2	-10.03	16.78	0.51	-6.65	2.65	325.21
						30.4	-10.03	8.92	0.51	-6.65	10.34	520.07
70	10	1630.20	25.25	-5.48e-03	-68.45	0.0	-54.93	86.72	1.52	-14.20	-21.13	20.84
		20.84	-21.13	8.68e-04	0.0	15.2	-54.93	53.23	1.52	-14.20	2.06	
1090.53												
						30.4	-54.93	18.27	1.52	-14.20	25.25	
1630.20												
70	11	714.07	85.15	1.80e-03	-68.45	0.0	-79.36	54.44	2.54	-47.29	20.56	31.75
		31.75	20.56	-8.89e-04	0.0	15.2	-79.36	20.95	2.54	-47.29	52.85	617.21
						30.4	-79.36	-14.01	2.54	-47.29	85.15	672.64
70	12	-30.80	33.12	0.01	-68.45	0.0	-216.01	-146.43	3.77	-10.33	-3.73	-30.80
		-5499.27	-3.73	-5.42e-03	0.0	15.2	-216.01	-179.92	3.77	-10.33	14.69	-
2500.02												
						30.4	-216.01	-214.88	3.77	-10.33	33.12	-
5499.27												
70	13	8759.68	17.38	-0.02	-68.45	0.0	106.15	319.87	-0.72	-18.07	-38.53	72.47
		72.47	-38.53	7.16e-03	0.0	15.2	106.15	286.38	-0.72	-18.07	-10.57	
4681.09												
						30.4	106.15	251.42	-0.72	-18.07	17.38	
8759.68												
70	14	2587.76	-34.65	-0.01	-68.45	0.0	-30.50	119.00	0.50	18.89	-62.82	9.93
		9.93	-62.82	2.63e-03	0.0	15.2	-30.50	85.51	0.50	18.89	-48.73	
1563.86												
						30.4	-30.50	50.55	0.50	18.89	-34.65	
2587.76												
70	15	589.70	84.75	2.18e-03	-68.45	0.0	-82.24	49.14	2.57	-46.93	19.57	30.82
		30.82	19.57	-9.38e-04	0.0	15.2	-82.24	15.65	2.57	-46.93	52.16	535.64
						30.4	-82.24	-19.31	2.57	-46.93	84.75	510.44
70	16	-29.87	33.52	0.01	-68.45	0.0	-213.14	-141.13	3.75	-10.69	-2.74	-29.87
		-5337.07	-2.74	-5.37e-03	0.0	15.2	-213.14	-174.62	3.75	-10.69	15.39	-
2418.45												
						30.4	-213.14	-209.58	3.75	-10.69	33.52	-
5337.07												
70	17	8597.47	16.98	-0.02	-68.45	0.0	103.28	314.57	-0.70	-17.71	-39.52	71.55
		71.55	-39.52	7.11e-03	0.0	15.2	103.28	281.08	-0.70	-17.71	-11.27	
4599.52												
						30.4	103.28	246.12	-0.70	-17.71	16.98	
8597.47												
70	18	2749.97	-34.25	-0.01	-68.45	0.0	-27.63	124.30	0.48	18.53	-61.82	10.85
		10.85	-61.82	2.67e-03	0.0	15.2	-27.63	90.81	0.48	18.53	-48.04	
1645.43												
						30.4	-27.63	55.85	0.48	18.53	-34.25	
2749.97												
70	19	734.05	87.32	2.18e-03	-68.45	0.0	-80.07	55.00	2.49	-49.77	21.56	76.64
		76.64	21.56	-6.63e-04	0.0	15.2	-80.07	21.51	2.49	-49.77	54.44	646.77
						30.4	-80.07	-13.45	2.49	-49.77	87.32	686.87
70	20	14.10	35.29	0.01	-68.45	0.0	-216.73	-145.86	3.72	-12.80	-2.73	14.10
		-5485.05	-2.73	-5.19e-03	0.0	15.2	-216.73	-179.35	3.72	-12.80	16.28	-
2470.46												
						30.4	-216.73	-214.32	3.72	-12.80	35.29	-
5485.05												
70	21	8745.45	15.21	-0.02	-68.45	0.0	106.87	319.31	-0.67	-15.60	-39.53	27.58
		27.58	-39.53	6.93e-03	0.0	15.2	106.87	285.82	-0.67	-15.60	-12.16	
4651.53												
						30.4	106.87	250.85	-0.67	-15.60	15.21	
8745.45												
70	22	2573.53	-36.82	-0.01	-68.45	0.0	-29.79	118.44	0.56	21.37	-63.82	-34.97
		-34.97	-63.82	2.40e-03	0.0	15.2	-29.79	84.95	0.56	21.37	-50.32	
1534.30												
						30.4	-29.79	49.99	0.56	21.37	-36.82	
2573.53												
70	23	612.76	86.92	2.56e-03	-68.45	0.0	-82.95	49.70	2.51	-49.40	20.57	75.72
		75.72	20.57	-7.12e-04	0.0	15.2	-82.95	16.21	2.51	-49.40	53.74	565.21
						30.4	-82.95	-18.75	2.51	-49.40	86.92	524.66
70	24	15.02	35.69	0.01	-68.45	0.0	-213.85	-140.56	3.70	-13.16	-1.74	15.02
		-5322.84	-1.74	-5.14e-03	0.0	15.2	-213.85	-174.05	3.70	-13.16	16.97	-
2388.89												
						30.4	-213.85	-209.02	3.70	-13.16	35.69	-
5322.84												

70	25	8583.24	14.81	-0.02	-68.45	0.0	103.99	314.01	-0.65	-15.24	-40.52	26.65
		26.65	-40.52	6.88e-03	0.0	15.2	103.99	280.52	-0.65	-15.24	-12.85	
4569.96												
						30.4	103.99	245.55	-0.65	-15.24	14.81	
8583.24												
70	26	2735.74	-36.42	-0.01	-68.45	0.0	-26.91	123.74	0.54	21.00	-62.82	-34.04
		-34.04	-62.82	2.45e-03	0.0	15.2	-26.91	90.25	0.54	21.00	-49.62	
1615.86												
						30.4	-26.91	55.29	0.54	21.00	-36.42	
2735.74												
70	27	1.070e+04	122.13	-0.02	-68.45	0.0	145.00	381.69	-0.03	-80.19	28.22	118.97
		118.97	28.22	7.21e-03	0.0	15.2	145.00	348.20	-0.03	-80.19	75.18	
5676.34												
						30.4	145.00	313.23	-0.03	-80.19	122.13	
1.070e+04												
70	28	-89.52	-51.30	0.01	-68.45	0.0	-310.51	-287.87	4.06	43.03	-52.75	-89.52
		-9869.38	-52.75	-7.89e-03	0.0	15.2	-310.51	-321.36	4.06	43.03	-52.03	-
4714.43												
						30.4	-310.51	-356.32	4.06	43.03	-51.30	-
9869.38												
70	29	1.313e+04	101.80	-0.03	-68.45	0.0	200.65	461.31	-1.01	-71.42	10.49	131.19
		131.19	10.49	9.63e-03	0.0	15.2	200.65	427.82	-1.01	-71.42	56.15	
6895.50												
						30.4	200.65	392.86	-1.01	-71.42	101.80	
1.313e+04												
70	30	-77.30	-70.48	7.48e-03	-68.45	0.0	-254.86	-208.24	3.08	51.79	-70.48	-77.30
		-7443.27	-71.63	-5.48e-03	0.0	15.2	-254.86	-241.73	3.08	51.79	-71.06	-
3495.27												
						30.4	-254.86	-276.70	3.08	51.79	-71.63	-
7443.27												
70	31	1.071e+04	122.78	-0.02	-68.45	0.0	144.78	381.85	-0.05	-80.93	28.52	132.44
		132.44	28.52	7.28e-03	0.0	15.2	144.78	348.36	-0.05	-80.93	75.65	
5685.21												
						30.4	144.78	313.40	-0.05	-80.93	122.78	
1.071e+04												
70	32	-76.05	-50.65	0.01	-68.45	0.0	-310.73	-287.70	4.05	42.28	-52.45	-76.05
		-9865.12	-52.45	-7.82e-03	0.0	15.2	-310.73	-321.19	4.05	42.28	-51.55	-
4705.57												
						30.4	-310.73	-356.16	4.05	42.28	-50.65	-
9865.12												
70	33	1.313e+04	101.15	-0.03	-68.45	0.0	200.87	461.15	-1.00	-70.68	10.19	117.72
		117.72	10.19	9.56e-03	0.0	15.2	200.87	427.66	-1.00	-70.68	55.67	
6886.64												
						30.4	200.87	392.69	-1.00	-70.68	101.15	
1.313e+04												
70	34	-90.77	-70.78	7.36e-03	-68.45	0.0	-254.65	-208.41	3.10	52.53	-70.78	-90.77
		-7447.54	-72.28	-5.54e-03	0.0	15.2	-254.65	-241.90	3.10	52.53	-71.53	-
3504.14												
						30.4	-254.65	-276.86	3.10	52.53	-72.28	-
7447.54												
70	35	1.016e+04	120.81	-0.02	-68.45	0.0	135.42	364.02	0.04	-78.98	24.91	115.88
		115.88	24.91	7.05e-03	0.0	15.2	135.42	330.53	0.04	-78.98	72.86	
5404.45												
						30.4	135.42	295.57	0.04	-78.98	120.81	
1.016e+04												
70	36	-86.43	-49.44	0.01	-68.45	0.0	-300.93	-270.21	3.99	41.82	-49.44	-86.43
		-9328.69	-49.98	-7.73e-03	0.0	15.2	-300.93	-303.70	3.99	41.82	-49.71	-
4442.54												
						30.4	-300.93	-338.66	3.99	41.82	-49.98	-
9328.69												
70	37	1.259e+04	100.48	-0.02	-68.45	0.0	191.07	443.65	-0.94	-70.22	7.18	128.10
		128.10	7.18	9.46e-03	0.0	15.2	191.07	410.16	-0.94	-70.22	53.83	
6623.61												
						30.4	191.07	375.19	-0.94	-70.22	100.48	
1.259e+04												
70	38	-74.21	-67.17	6.20e-03	-68.45	0.0	-245.28	-190.58	3.01	50.58	-67.17	-74.21
		-6902.58	-70.31	-5.31e-03	0.0	15.2	-245.28	-224.07	3.01	50.58	-68.74	-
3223.38												
						30.4	-245.28	-259.03	3.01	50.58	-70.31	-
6902.58												
70	39	1.017e+04	121.46	-0.02	-68.45	0.0	135.20	364.19	0.02	-79.73	25.21	129.35
		129.35	25.21	7.12e-03	0.0	15.2	135.20	330.70	0.02	-79.73	73.33	

5413.32												
						30.4	135.20	295.73	0.02	-79.73	121.46	
1.017e+04												
70	40	-72.96	-49.14	0.01	-68.45	0.0	-301.15	-270.04	3.98	41.08	-49.14	-72.96
		-9324.42	-49.33	-7.66e-03	0.0	15.2	-301.15	-303.53	3.98	41.08	-49.23	-
4433.68												
						30.4	-301.15	-338.49	3.98	41.08	-49.33	-
9324.42												
70	41	1.258e+04	99.83	-0.02	-68.45	0.0	191.28	443.48	-0.93	-69.48	6.88	114.63
		114.63	6.88	9.40e-03	0.0	15.2	191.28	409.99	-0.93	-69.48	53.36	
6614.75												
						30.4	191.28	375.03	-0.93	-69.48	99.83	
1.258e+04												
70	42	-87.68	-67.47	6.09e-03	-68.45	0.0	-245.06	-190.75	3.03	51.33	-67.47	-87.68
		-6906.85	-70.96	-5.38e-03	0.0	15.2	-245.06	-224.24	3.03	51.33	-69.21	-
3232.25												
						30.4	-245.06	-259.20	3.03	51.33	-70.96	-
6906.85												
70	43	877.94	72.22	3.35e-04	-68.45	0.0	-74.31	60.98	2.34	-39.99	11.35	30.08
		30.08	11.35	-5.17e-04	0.0	15.2	-74.31	27.49	2.34	-39.99	41.79	713.42
						30.4	-74.31	-7.47	2.34	-39.99	72.22	866.72
70	44	-19.20	31.23	8.30e-03	-68.45	0.0	-182.37	-96.84	3.28	-10.88	-7.54	-19.20
		-3982.85	-7.54	-4.15e-03	0.0	15.2	-182.37	-130.33	3.28	-10.88	11.85	-
1736.01												
						30.4	-182.37	-165.30	3.28	-10.88	31.23	-
3982.85												
70	45	7243.26	19.27	-0.02	-68.45	0.0	72.51	270.29	-0.23	-17.52	-34.72	60.87
		60.87	-34.72	5.89e-03	0.0	15.2	72.51	236.80	-0.23	-17.52	-7.73	
3917.08												
						30.4	72.51	201.83	-0.23	-17.52	19.27	
7243.26												
70	46	2393.69	-21.72	-0.01	-68.45	0.0	-35.55	112.46	0.71	11.59	-53.61	11.59
		11.59	-53.61	2.25e-03	0.0	15.2	-35.55	78.97	0.71	11.59	-37.67	
1467.65												
						30.4	-35.55	44.01	0.71	11.59	-21.72	
2393.69												
70	47	772.81	71.95	6.34e-04	-68.45	0.0	-76.57	57.02	2.35	-39.73	10.60	29.40
		29.40	10.60	-5.61e-04	0.0	15.2	-76.57	23.53	2.35	-39.73	41.27	652.46
						30.4	-76.57	-11.43	2.35	-39.73	71.95	745.48
70	48	-18.51	31.51	8.00e-03	-68.45	0.0	-180.11	-92.88	3.27	-11.13	-6.79	-18.51
		-3861.62	-6.79	-4.11e-03	0.0	15.2	-180.11	-126.37	3.27	-11.13	12.36	-
1675.05												
						30.4	-180.11	-161.34	3.27	-11.13	31.51	-
3861.62												
70	49	7122.02	18.99	-0.02	-68.45	0.0	70.25	266.33	-0.22	-17.26	-35.47	60.19
		60.19	-35.47	5.85e-03	0.0	15.2	70.25	232.84	-0.22	-17.26	-8.24	
3856.12												
						30.4	70.25	197.87	-0.22	-17.26	18.99	
7122.02												
70	50	2514.92	-21.45	-0.01	-68.45	0.0	-33.29	116.42	0.70	11.33	-52.85	12.28
		12.28	-52.85	2.30e-03	0.0	15.2	-33.29	82.93	0.70	11.33	-37.15	
1528.61												
						30.4	-33.29	47.97	0.70	11.33	-21.45	
2514.92												
70	51	894.86	73.76	6.57e-04	-68.45	0.0	-74.85	61.53	2.29	-41.83	12.02	64.04
		64.04	12.02	-3.45e-04	0.0	15.2	-74.85	28.04	2.29	-41.83	42.89	737.64
						30.4	-74.85	-6.93	2.29	-41.83	73.76	881.21
70	52	14.75	32.77	8.62e-03	-68.45	0.0	-182.91	-96.30	3.24	-12.73	-6.87	14.75
		-3968.37	-6.87	-3.98e-03	0.0	15.2	-182.91	-129.79	3.24	-12.73	12.95	-
1711.79												
						30.4	-182.91	-164.75	3.24	-12.73	32.77	-
3968.37												
70	53	7228.77	17.73	-0.02	-68.45	0.0	73.04	269.74	-0.19	-15.67	-35.39	26.92
		26.92	-35.39	5.72e-03	0.0	15.2	73.04	236.25	-0.19	-15.67	-8.83	
3892.86												
						30.4	73.04	201.28	-0.19	-15.67	17.73	
7228.77												
70	54	2379.20	-23.26	-0.01	-68.45	0.0	-35.01	111.91	0.76	13.44	-54.28	-22.37
		-22.37	-54.28	2.08e-03	0.0	15.2	-35.01	78.42	0.76	13.44	-38.77	
1443.43												
						30.4	-35.01	43.46	0.76	13.44	-23.26	
2379.20												

70	55	790.95	73.48	9.55e-04	-68.45	0.0	-77.11	57.57	2.30	-41.58	11.27	63.35
		63.35	11.27	-3.89e-04	0.0	15.2	-77.11	24.08	2.30	-41.58	42.37	676.68
						30.4	-77.11	-10.89	2.30	-41.58	73.48	759.97
70	56	15.44	33.05	8.32e-03	-68.45	0.0	-180.65	-92.33	3.22	-12.98	-6.11	15.44
		-3847.13	-6.11	-3.94e-03	0.0	15.2	-180.65	-125.82	3.22	-12.98	13.47	-
1650.83												
						30.4	-180.65	-160.79	3.22	-12.98	33.05	-
3847.13												
70	57	7107.54	17.45	-0.02	-68.45	0.0	70.79	265.78	-0.18	-15.42	-36.14	26.23
		26.23	-36.14	5.67e-03	0.0	15.2	70.79	232.29	-0.18	-15.42	-9.35	
3831.90												
						30.4	70.79	197.32	-0.18	-15.42	17.45	
7107.54												
70	58	2500.43	-22.98	-0.01	-68.45	0.0	-32.75	115.88	0.75	13.18	-53.52	-21.68
		-21.68	-53.52	2.13e-03	0.0	15.2	-32.75	82.39	0.75	13.18	-38.25	
1504.39												
						30.4	-32.75	47.42	0.75	13.18	-22.98	
2500.43												
70	59	8756.34	101.51	-0.02	-68.45	0.0	103.14	318.37	0.33	-66.08	17.26	98.36
		98.36	17.26	5.97e-03	0.0	15.2	103.14	284.88	0.33	-66.08	59.39	
4692.37												
						30.4	103.14	249.91	0.33	-66.08	101.51	
8756.34												
70	60	-65.93	-35.12	0.01	-68.45	0.0	-257.05	-207.71	3.49	30.95	-45.70	-65.93
		-7408.90	-45.70	-6.16e-03	0.0	15.2	-257.05	-241.20	3.49	30.95	-40.41	-
3472.40												
						30.4	-257.05	-276.17	3.49	30.95	-35.12	-
7408.90												
70	61	1.067e+04	85.62	-0.02	-68.45	0.0	147.19	381.16	-0.44	-59.35	3.44	107.60
		107.60	3.44	7.89e-03	0.0	15.2	147.19	347.67	-0.44	-59.35	44.53	
5653.47												
						30.4	147.19	312.70	-0.44	-59.35	85.62	
1.067e+04												
70	62	-56.69	-51.01	4.85e-03	-68.45	0.0	-213.00	-144.92	2.72	37.69	-59.52	-56.69
		-5495.94	-59.52	-4.23e-03	0.0	15.2	-213.00	-178.41	2.72	37.69	-55.27	-
2511.30												
						30.4	-213.00	-213.38	2.72	37.69	-51.01	-
5495.94												
70	63	8760.68	101.97	-0.02	-68.45	0.0	102.98	318.53	0.32	-66.64	17.47	108.55
		108.55	17.47	6.02e-03	0.0	15.2	102.98	285.04	0.32	-66.64	59.72	
4699.63												
						30.4	102.98	250.08	0.32	-66.64	101.97	
8760.68												
70	64	-55.74	-34.66	0.01	-68.45	0.0	-257.21	-207.55	3.47	30.39	-45.50	-55.74
		-7404.55	-45.50	-6.10e-03	0.0	15.2	-257.21	-241.04	3.47	30.39	-40.08	-
3465.13												
						30.4	-257.21	-276.01	3.47	30.39	-34.66	-
7404.55												
70	65	1.066e+04	85.16	-0.02	-68.45	0.0	147.35	380.99	-0.42	-58.79	3.24	97.41
		97.41	3.24	7.84e-03	0.0	15.2	147.35	347.50	-0.42	-58.79	44.20	
5646.20												
						30.4	147.35	312.54	-0.42	-58.79	85.16	
1.066e+04												
70	66	-66.88	-51.47	4.76e-03	-68.45	0.0	-212.84	-145.09	2.73	38.24	-59.72	-66.88
		-5500.28	-59.72	-4.28e-03	0.0	15.2	-212.84	-178.58	2.73	38.24	-55.60	-
2518.56												
						30.4	-212.84	-213.54	2.73	38.24	-51.47	-
5500.28												
70	67	8352.23	100.58	-0.01	-68.45	0.0	95.61	305.16	0.37	-65.23	14.75	96.07
		96.07	14.75	5.82e-03	0.0	15.2	95.61	271.67	0.37	-65.23	57.67	
4489.17												
						30.4	95.61	236.71	0.37	-65.23	100.58	
8352.23												
70	68	-63.63	-34.20	9.74e-03	-68.45	0.0	-249.52	-194.51	3.45	30.09	-43.19	-63.63
		-7004.79	-43.19	-6.01e-03	0.0	15.2	-249.52	-228.00	3.45	30.09	-38.69	-
3269.20												
						30.4	-249.52	-262.97	3.45	30.09	-34.20	-
7004.79												
70	69	1.027e+04	84.70	-0.02	-68.45	0.0	139.66	367.96	-0.40	-58.49	0.93	105.31
		105.31	0.93	7.74e-03	0.0	15.2	139.66	334.47	-0.40	-58.49	42.81	
5450.27												
						30.4	139.66	299.50	-0.40	-58.49	84.70	

1.027e+04												
70	70	-54.40	-50.08	3.86e-03	-68.45	0.0	-205.48	-131.72	2.68	36.83	-57.01	-54.40
		-5091.83	-57.01	-4.09e-03	0.0	15.2	-205.48	-165.21	2.68	36.83	-53.55	-
2308.10												
						30.4	-205.48	-200.18	2.68	36.83	-50.08	-
5091.83												
70	71	8356.58	101.04	-0.01	-68.45	0.0	95.45	305.33	0.36	-65.78	14.95	106.26
		106.26	14.95	5.87e-03	0.0	15.2	95.45	271.84	0.36	-65.78	58.00	
4496.43												
						30.4	95.45	236.87	0.36	-65.78	101.04	
8356.58												
70	72	-53.45	-33.74	9.84e-03	-68.45	0.0	-249.68	-194.35	3.43	29.53	-42.98	-53.45
		-7000.44	-42.98	-5.96e-03	0.0	15.2	-249.68	-227.84	3.43	29.53	-38.36	-
3261.93												
						30.4	-249.68	-262.80	3.43	29.53	-33.74	-
7000.44												
70	73	1.026e+04	84.24	-0.02	-68.45	0.0	139.82	367.79	-0.38	-57.93	0.73	95.12
		95.12	0.73	7.69e-03	0.0	15.2	139.82	334.30	-0.38	-57.93	42.48	
5443.00												
						30.4	139.82	299.34	-0.38	-57.93	84.24	
1.026e+04												
70	74	-64.58	-50.54	3.76e-03	-68.45	0.0	-205.31	-131.89	2.69	37.38	-57.21	-64.58
		-5096.17	-57.21	-4.14e-03	0.0	15.2	-205.31	-165.37	2.69	37.38	-53.88	-
2315.36												
						30.4	-205.31	-200.34	2.69	37.38	-50.54	-
5096.17												
70	75	1000.34	64.15	-6.84e-04	-68.45	0.0	-70.95	65.45	2.19	-35.55	5.74	28.43
		28.43	5.74	-2.77e-04	0.0	15.2	-70.95	31.96	2.19	-35.55	34.94	778.79
						30.4	-70.95	-3.01	2.19	-35.55	64.15	999.12
70	76	-12.31	30.26	5.89e-03	-68.45	0.0	-160.26	-65.05	2.98	-11.49	-9.89	-12.31
		-3010.79	-9.89	-3.28e-03	0.0	15.2	-160.26	-98.54	2.98	-11.49	10.19	-
1246.54												
						30.4	-160.26	-133.51	2.98	-11.49	30.26	-
3010.79												
70	77	6271.20	20.24	-0.02	-68.45	0.0	50.40	238.50	0.07	-16.91	-32.37	53.98
		53.98	-32.37	5.02e-03	0.0	15.2	50.40	205.01	0.07	-16.91	-6.07	
3427.61												
						30.4	50.40	170.04	0.07	-16.91	20.24	
6271.20												
70	78	2261.29	-13.65	-0.01	-68.45	0.0	-38.91	108.00	0.85	7.15	-48.00	13.24
		13.24	-48.00	2.01e-03	0.0	15.2	-38.91	74.51	0.85	7.15	-30.82	
1402.28												
						30.4	-38.91	39.54	0.85	7.15	-13.65	
2261.29												
70	79	905.98	63.92	-4.37e-04	-68.45	0.0	-72.82	62.16	2.21	-35.34	5.11	27.86
		27.86	5.11	-3.14e-04	0.0	15.2	-72.82	28.67	2.21	-35.34	34.52	728.20
						30.4	-72.82	-6.30	2.21	-35.34	63.92	898.50
70	80	-11.74	30.50	5.65e-03	-68.45	0.0	-158.40	-61.77	2.97	-11.70	-9.26	-11.74
		-2910.18	-9.26	-3.24e-03	0.0	15.2	-158.40	-95.26	2.97	-11.70	10.62	-
1195.94												
						30.4	-158.40	-130.22	2.97	-11.70	30.50	-
2910.18												
70	81	6170.58	20.00	-0.02	-68.45	0.0	48.53	235.21	0.08	-16.70	-33.00	53.41
		53.41	-33.00	4.98e-03	0.0	15.2	48.53	201.72	0.08	-16.70	-6.50	
3377.01												
						30.4	48.53	166.76	0.08	-16.70	20.00	
6170.58												
70	82	2361.90	-13.42	-0.01	-68.45	0.0	-37.04	111.29	0.84	6.94	-47.37	13.81
		13.81	-47.37	2.05e-03	0.0	15.2	-37.04	77.80	0.84	6.94	-30.40	
1452.87												
						30.4	-37.04	42.83	0.84	6.94	-13.42	
2361.90												
70	83	1013.70	65.43	-4.18e-04	-68.45	0.0	-71.39	65.91	2.16	-37.09	6.30	56.62
		56.62	6.30	-1.34e-04	0.0	15.2	-71.39	32.42	2.16	-37.09	35.87	799.07
						30.4	-71.39	-2.54	2.16	-37.09	65.43	
1011.48												
70	84	15.87	31.54	6.16e-03	-68.45	0.0	-160.70	-64.59	2.94	-13.03	-9.32	15.87
		-2998.43	-9.32	-3.14e-03	0.0	15.2	-160.70	-98.08	2.94	-13.03	11.11	-
1226.26												
						30.4	-160.70	-133.04	2.94	-13.03	31.54	-
2998.43												
70	85	6258.83	18.96	-0.02	-68.45	0.0	50.84	238.03	0.11	-15.37	-32.93	25.80

		25.80	-32.93	4.87e-03	0.0	15.2	50.84	204.54	0.11	-15.37	-6.99	
3407.33												
						30.4	50.84	169.58	0.11	-15.37	18.96	
6258.83												
70	86	2248.92	-14.93	-0.01	-68.45	0.0	-38.47	107.53	0.89	8.69	-48.56	-14.95
		-14.95	-48.56	1.87e-03	0.0	15.2	-38.47	74.04	0.89	8.69	-31.75	
1382.00												
						30.4	-38.47	39.08	0.89	8.69	-14.93	
2248.92												
70	87	919.82	65.20	-1.71e-04	-68.45	0.0	-73.26	62.62	2.17	-36.88	5.68	56.05
		56.05	5.68	-1.70e-04	0.0	15.2	-73.26	29.13	2.17	-36.88	35.44	748.47
						30.4	-73.26	-5.83	2.17	-36.88	65.20	910.87
70	88	16.44	31.78	5.91e-03	-68.45	0.0	-158.83	-61.30	2.93	-13.24	-8.70	16.44
		-2897.81	-8.70	-3.10e-03	0.0	15.2	-158.83	-94.79	2.93	-13.24	11.54	-
1175.67												
						30.4	-158.83	-129.76	2.93	-13.24	31.78	-
2897.81												
70	89	6158.22	18.72	-0.02	-68.45	0.0	48.97	234.74	0.12	-15.16	-33.56	25.23
		25.23	-33.56	4.84e-03	0.0	15.2	48.97	201.25	0.12	-15.16	-7.42	
3356.74												
						30.4	48.97	166.29	0.12	-15.16	18.72	
6158.22												
70	90	2349.53	-14.70	-0.01	-68.45	0.0	-36.60	110.82	0.88	8.48	-47.94	-14.37
		-14.37	-47.94	1.91e-03	0.0	15.2	-36.60	77.33	0.88	8.48	-31.32	
1432.60												
						30.4	-36.60	42.37	0.88	8.48	-14.70	
2349.53												
70	91	7522.57	88.32	-0.01	-68.45	0.0	75.72	278.26	0.54	-57.11	10.63	84.91
		84.91	10.63	5.08e-03	0.0	15.2	75.72	244.77	0.54	-57.11	49.47	
4068.76												
						30.4	75.72	209.81	0.54	-57.11	88.32	
7522.57												
70	92	-50.90	-24.64	7.90e-03	-68.45	0.0	-221.99	-156.73	3.15	23.11	-41.46	-50.90
		-5843.79	-41.46	-4.93e-03	0.0	15.2	-221.99	-190.22	3.15	23.11	-33.05	-
2682.33												
						30.4	-221.99	-225.19	3.15	23.11	-24.64	-
5843.79												
70	93	9104.20	75.14	-0.02	-68.45	0.0	112.13	330.18	-0.10	-51.51	-0.80	92.58
		92.58	-0.80	6.67e-03	0.0	15.2	112.13	296.69	-0.10	-51.51	37.17	
4863.40												
						30.4	112.13	261.72	-0.10	-51.51	75.14	
9104.20												
70	94	-43.24	-37.82	3.05e-03	-68.45	0.0	-185.58	-104.82	2.51	28.71	-52.89	-43.24
		-4262.17	-52.89	-3.34e-03	0.0	15.2	-185.58	-138.31	2.51	28.71	-45.35	-
1887.69												
						30.4	-185.58	-173.27	2.51	28.71	-37.82	-
4262.17												
70	95	7526.28	88.70	-0.01	-68.45	0.0	75.59	278.40	0.53	-57.57	10.80	93.37
		93.37	10.80	5.12e-03	0.0	15.2	75.59	244.91	0.53	-57.57	49.75	
4074.84												
						30.4	75.59	209.95	0.53	-57.57	88.70	
7526.28												
70	96	-42.45	-24.26	7.98e-03	-68.45	0.0	-222.12	-156.59	3.14	22.65	-41.29	-42.45
		-5840.08	-41.29	-4.89e-03	0.0	15.2	-222.12	-190.08	3.14	22.65	-32.77	-
2676.25												
						30.4	-222.12	-225.05	3.14	22.65	-24.26	-
5840.08												
70	97	9100.49	74.76	-0.02	-68.45	0.0	112.26	330.04	-0.09	-51.05	-0.97	84.12
		84.12	-0.97	6.62e-03	0.0	15.2	112.26	296.55	-0.09	-51.05	36.89	
4857.32												
						30.4	112.26	261.58	-0.09	-51.05	74.76	
9100.49												
70	98	-51.69	-38.20	2.97e-03	-68.45	0.0	-185.45	-104.96	2.52	29.17	-53.06	-51.69
		-4265.88	-53.06	-3.39e-03	0.0	15.2	-185.45	-138.45	2.52	29.17	-45.63	-
1893.77												
						30.4	-185.45	-173.41	2.52	29.17	-38.20	-
4265.88												
70	99	7187.19	87.54	-0.01	-68.45	0.0	69.49	267.31	0.57	-56.39	8.55	83.01
		83.01	8.55	4.96e-03	0.0	15.2	69.49	233.82	0.57	-56.39	48.05	
3900.12												
						30.4	69.49	198.85	0.57	-56.39	87.54	
7187.19												

70	100	-49.00	-23.87	7.08e-03	-68.45	0.0	-215.76	-145.78	3.11	22.40	-39.37	-49.00
		-5508.41	-39.37	-4.81e-03	0.0	15.2	-215.76	-179.27	3.11	22.40	-31.62	-
2513.69												
						30.4	-215.76	-214.23	3.11	22.40	-23.87	-
5508.41												
70	101	8768.82	74.37	-0.02	-68.45	0.0	105.90	319.22	-0.07	-50.80	-2.89	90.67
		90.67	-2.89	6.55e-03	0.0	15.2	105.90	285.73	-0.07	-50.80	35.74	
4694.76												
						30.4	105.90	250.77	-0.07	-50.80	74.37	
8768.82												
70	102	-41.34	-37.04	2.23e-03	-68.45	0.0	-179.36	-93.86	2.48	27.99	-50.80	-41.34
		-3926.79	-50.80	-3.22e-03	0.0	15.2	-179.36	-127.35	2.48	27.99	-43.92	-
1719.05												
						30.4	-179.36	-162.32	2.48	27.99	-37.04	-
3926.79												
70	103	7190.90	87.93	-0.01	-68.45	0.0	69.36	267.45	0.56	-56.85	8.72	91.46
		91.46	8.72	5.00e-03	0.0	15.2	69.36	233.96	0.56	-56.85	48.32	
3906.20												
						30.4	69.36	198.99	0.56	-56.85	87.93	
7190.90												
70	104	-40.55	-23.49	7.16e-03	-68.45	0.0	-215.89	-145.64	3.10	21.94	-39.20	-40.55
		-5504.70	-39.20	-4.77e-03	0.0	15.2	-215.89	-179.13	3.10	21.94	-31.34	-
2507.61												
						30.4	-215.89	-214.09	3.10	21.94	-23.49	-
5504.70												
70	105	8765.11	73.99	-0.02	-68.45	0.0	106.03	319.08	-0.05	-50.34	-3.06	82.22
		82.22	-3.06	6.50e-03	0.0	15.2	106.03	285.59	-0.05	-50.34	35.47	
4688.68												
						30.4	106.03	250.63	-0.05	-50.34	73.99	
8765.11												
70	106	-49.79	-37.43	2.15e-03	-68.45	0.0	-179.22	-94.00	2.49	28.45	-50.97	-49.79
		-3930.50	-50.97	-3.26e-03	0.0	15.2	-179.22	-127.49	2.49	28.45	-44.20	-
1725.13												
						30.4	-179.22	-162.46	2.49	28.45	-37.43	-
3930.50												

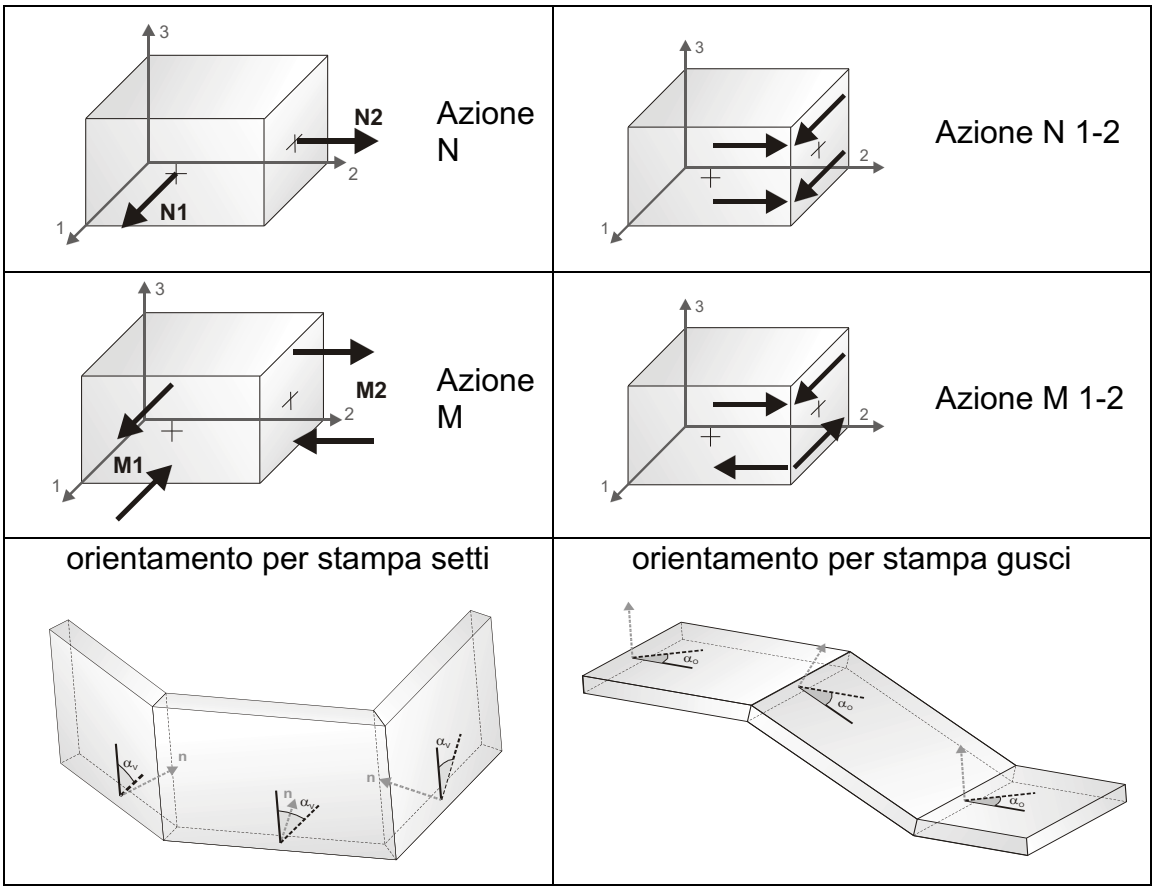
Trave	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-1.105e+05	-4504.32	-0.96	-1344.91	-2208.97	-3016.69	-44.67	-819.25
	7.894e+04	3000.11	1.10	0.0	2229.25	2454.34	29.09	751.57

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.

Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises	(valore riassuntivo del complessivo stato di sollecitazione)
N max	sforzo membranale principale massimo
N min	sforzo membranale principale minimo
M max	sforzo flessionale principale massimo
M min	sforzo flessionale principale minimo
N1 N2	sforzi membranali e flessionali in direzione locale 1 e 2

N1-2	**M1**	dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
M2	**M1-2**	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_O attorno all'asse Z per i gusci e ruotata di α_V attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_V è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.
In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

Macro	Tipo	Angolo 1-X (gradi)
1	**Guscio**	**0.0**

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	1	29	8.27e-02	-8.87e-02	-8.84e-02	8.24e-02	6.86e-03	10.40	-119.22	-119.21	10.40	-1.05

1	1	31	1.09	5.38e-02	1.09	5.42e-02	-1.84e-02	58.29	-229.67	-229.65	58.27	-2.21
1	1	55	1.27e-02	-4.55e-02	-3.75e-02	4.68e-03	2.00e-02	22.20	-116.33	-109.97	15.84	-29.00
1	1	67	1.13	0.16	1.12	0.17	0.10	42.61	-244.17	-238.46	36.90	-40.05
1	1	68	0.25	5.13e-02	0.25	5.16e-02	-7.96e-03	58.52	-167.66	-167.66	58.51	-1.03
1	1	69	0.29	1.71e-02	0.27	3.63e-02	7.01e-02	44.29	-173.93	-169.71	40.07	-30.05
1	1	79	-5.43e-02	-0.18	-0.18	-5.46e-02	-6.29e-03	23.26	-131.42	-125.90	17.73	28.71
1	1	80	1.11	8.78e-02	1.09	0.11	-0.14	43.40	-232.21	-228.77	39.96	30.58
1	1	90	0.23	-6.00e-02	0.21	-3.21e-02	-8.60e-02	46.17	-174.62	-172.24	43.79	22.81
1	1	145	4.08e-02	9.07e-03	1.38e-02	3.61e-02	1.13e-02	-15.24	-25.12	-24.13	-16.24	-2.98
1	1	146	1.12e-02	3.77e-04	3.78e-04	1.12e-02	-1.33e-04	41.83	-56.15	-22.13	7.81	-46.65
1	1	147	3.22e-02	-1.53e-02	1.53e-02	1.58e-03	2.27e-02	49.65	-53.41	-15.68	11.92	49.65
1	2	29	2.79	-5.64e-02	2.79	-5.60e-02	3.08e-02	3.37	-325.52	-324.91	2.75	14.17
1	2	31	1.60	0.43	1.55	0.48	-0.24	115.19	-678.61	-672.73	109.31	-68.03
1	2	55	3.58	0.93	3.57	0.95	0.19	42.69	-237.63	-234.00	39.06	-31.70
1	2	67	1.92	0.44	1.88	0.48	-0.24	149.57	-528.35	-508.74	129.96	-
113.63												
1	2	68	1.89	0.34	1.88	0.35	-0.13	156.53	-414.94	-414.90	156.50	-4.57
1	2	69	2.22	0.54	2.21	0.56	-0.18	112.80	-431.63	-420.89	102.07	-75.69
1	2	79	2.34	0.52	2.33	0.53	-0.13	27.83	-418.86	-406.10	15.07	74.41
1	2	80	1.06	-0.52	1.02	-0.48	-0.23	118.94	-844.35	-832.95	107.54	104.18
1	2	90	1.51	-0.12	1.51	-0.11	-9.18e-02	145.85	-441.97	-425.26	129.15	97.68
1	2	145	-0.37	-1.09	-0.38	-1.08	9.24e-02	-71.14	-127.75	-82.72	-116.17	-22.84
1	2	146	0.61	-0.50	-0.18	0.29	0.50	89.69	-163.28	-87.10	13.51	-
116.05												
1	2	147	0.45	-0.24	-4.48e-02	0.25	-0.31	171.61	-160.18	-22.40	33.84	163.50
1	3	29	6.61e-02	-0.12	-0.12	6.60e-02	4.83e-03	8.15	-87.83	-87.82	8.14	-1.10
1	3	31	0.83	3.35e-02	0.83	3.36e-02	-1.00e-02	43.86	-168.29	-168.29	43.86	-0.46
1	3	55	-1.24e-02	-9.86e-02	-9.69e-02	-1.42e-02	1.21e-02	16.75	-87.25	-82.25	11.75	-22.26
1	3	67	0.86	0.12	0.85	0.13	8.34e-02	30.77	-182.47	-178.33	26.63	-29.42
1	3	68	0.16	3.39e-02	0.16	3.41e-02	-3.75e-03	43.16	-124.30	-124.30	43.16	-0.73
1	3	69	0.19	-1.55e-03	0.17	1.80e-02	5.86e-02	32.78	-128.93	-125.81	29.65	-22.26
1	3	79	-5.29e-02	-0.19	-0.19	-5.30e-02	-2.48e-03	17.81	-95.67	-91.55	13.69	21.22
1	3	80	0.85	7.89e-02	0.84	9.30e-02	-0.10	31.96	-167.07	-164.57	29.46	22.14
1	3	90	0.16	-4.74e-02	0.13	-2.32e-02	-6.61e-02	33.69	-129.33	-127.71	32.07	16.13
1	3	145	5.05e-02	1.65e-02	1.81e-02	4.89e-02	7.15e-03	-10.11	-17.95	-17.45	-10.60	-1.92
1	3	146	1.30e-02	-6.00e-03	3.72e-03	3.28e-03	-9.50e-03	31.29	-41.18	-15.80	5.90	-34.57
1	3	147	2.99e-02	-2.05e-02	1.29e-02	-3.53e-03	2.38e-02	35.91	-39.09	-11.94	8.76	36.05
1	4	29	2.76	-7.27e-02	2.76	-7.25e-02	2.87e-02	1.18	-294.20	-293.52	0.50	14.12
1	4	31	1.35	0.40	1.29	0.46	-0.23	101.07	-617.54	-611.38	94.90	-66.28
1	4	55	3.52	0.91	3.51	0.93	0.19	37.52	-208.83	-206.28	34.97	-24.95
1	4	67	1.66	0.38	1.61	0.43	-0.26	137.78	-466.70	-448.61	119.69	-
103.00												
1	4	68	1.80	0.32	1.79	0.33	-0.13	141.18	-371.58	-371.54	141.15	-4.27
1	4	69	2.13	0.52	2.11	0.54	-0.19	101.29	-386.63	-376.99	91.65	-67.89
1	4	79	2.34	0.52	2.33	0.53	-0.13	22.39	-383.12	-371.76	11.03	66.92
1	4	80	0.80	-0.53	0.77	-0.49	-0.20	107.50	-779.22	-768.76	97.05	95.73
1	4	90	1.44	-0.11	1.43	-0.10	-7.18e-02	133.53	-396.84	-380.74	117.43	91.00
1	4	145	-0.37	-1.08	-0.38	-1.07	8.83e-02	-65.51	-121.07	-76.05	-110.53	-21.78
1	4	146	0.59	-0.49	-0.18	0.28	0.49	79.19	-148.36	-80.77	11.60	-
103.98												
1	4	147	0.45	-0.24	-4.72e-02	0.25	-0.31	157.91	-145.89	-18.65	30.67	149.89
1	5	29	6.47e-02	-9.18e-02	-9.17e-02	6.45e-02	5.08e-03	8.07	-90.02	-90.01	8.06	-0.94
1	5	31	0.83	3.80e-02	0.83	3.82e-02	-1.23e-02	44.41	-173.02	-173.02	44.40	-1.16
1	5	55	-7.35e-04	-6.18e-02	-5.84e-02	-4.12e-03	1.40e-02	16.94	-88.51	-83.57	11.99	-22.28
1	5	67	0.86	0.12	0.86	0.13	7.98e-02	31.90	-185.50	-181.22	27.62	-30.21
1	5	68	0.18	3.71e-02	0.18	3.72e-02	-5.09e-03	44.21	-126.94	-126.94	44.21	-0.76
1	5	69	0.21	6.91e-03	0.19	2.36e-02	5.60e-02	33.51	-131.68	-128.49	30.31	-22.74
1	5	79	-4.66e-02	-0.16	-0.16	-4.68e-02	-3.81e-03	17.85	-98.74	-94.54	13.66	21.71
1	5	80	0.85	7.25e-02	0.84	8.67e-02	-0.10	32.76	-173.60	-171.02	30.18	22.92
1	5	90	0.17	-4.66e-02	0.15	-2.40e-02	-6.61e-02	34.72	-132.15	-130.41	32.98	16.93
1	5	145	3.95e-02	1.14e-02	1.39e-02	3.70e-02	8.02e-03	-11.03	-18.72	-18.08	-11.67	-2.13
1	5	146	8.78e-03	-7.22e-04	1.78e-03	6.28e-03	-4.19e-03	31.79	-42.32	-16.49	5.96	-35.31
1	5	147	2.70e-02	-1.56e-02	1.23e-02	-8.48e-04	2.02e-02	37.20	-40.22	-12.01	8.99	37.26
1	6	29	1.83	-2.80e-02	1.83	-2.78e-02	2.10e-02	3.33	-227.51	-227.15	2.97	9.21
1	6	31	1.17	0.29	1.14	0.32	-0.16	82.12	-472.09	-468.41	78.43	-45.04
1	6	55	2.36	0.61	2.35	0.62	0.13	30.42	-169.21	-166.26	27.47	-24.08
1	6	67	1.38	0.31	1.36	0.33	-0.15	103.18	-374.92	-361.40	89.66	-79.26
1	6	68	1.27	0.23	1.27	0.24	-8.91e-02	109.55	-291.79	-291.77	109.53	-3.12
1	6	69	1.49	0.36	1.48	0.37	-0.11	79.18	-303.48	-295.94	71.65	-53.17
1	6	79	1.52	0.34	1.52	0.34	-8.72e-02	20.90	-290.36	-281.35	11.89	52.18
1	6	80	0.82	-0.33	0.79	-0.30	-0.17	83.13	-581.70	-573.81	75.24	71.99
1	6	90	1.02	-8.11e-02	1.01	-7.66e-02	-7.00e-02	101.05	-310.26	-299.10	89.89	66.84

1	6	145	-0.24	-0.72	-0.25	-0.71	6.21e-02	-49.06	-86.37	-57.14	-78.29	-15.37
1	6	146	0.40	-0.33	-0.12	0.19	0.33	63.67	-113.71	-59.80	9.76	-81.58
1	6	147	0.29	-0.16	-2.78e-02	0.17	-0.20	118.47	-111.36	-16.49	23.60	113.16
1	7	29	6.47e-02	-9.18e-02	-9.17e-02	6.45e-02	5.08e-03	8.07	-90.02	-90.01	8.06	-0.94
1	7	31	0.83	3.80e-02	0.83	3.82e-02	-1.23e-02	44.41	-173.02	-173.02	44.40	-1.16
1	7	55	-7.35e-04	-6.18e-02	-5.84e-02	-4.12e-03	1.40e-02	16.94	-88.51	-83.57	11.99	-22.28
1	7	67	0.86	0.12	0.86	0.13	7.98e-02	31.90	-185.50	-181.22	27.62	-30.21
1	7	68	0.18	3.71e-02	0.18	3.72e-02	-5.09e-03	44.21	-126.94	-126.94	44.21	-0.76
1	7	69	0.21	6.91e-03	0.19	2.36e-02	5.60e-02	33.51	-131.68	-128.49	30.31	-22.74
1	7	79	-4.66e-02	-0.16	-0.16	-4.68e-02	-3.81e-03	17.85	-98.74	-94.54	13.66	21.71
1	7	80	0.85	7.25e-02	0.84	8.67e-02	-0.10	32.76	-173.60	-171.02	30.18	22.92
1	7	90	0.17	-4.66e-02	0.15	-2.40e-02	-6.61e-02	34.72	-132.15	-130.41	32.98	16.93
1	7	145	3.95e-02	1.14e-02	1.39e-02	3.70e-02	8.02e-03	-11.03	-18.72	-18.08	-11.67	-2.13
1	7	146	8.78e-03	-7.22e-04	1.78e-03	6.28e-03	-4.19e-03	31.79	-42.32	-16.49	5.96	-35.31
1	7	147	2.70e-02	-1.56e-02	1.23e-02	-8.48e-04	2.02e-02	37.20	-40.22	-12.01	8.99	37.26
1	8	29	1.25	-2.94e-04	1.25	-8.33e-05	1.62e-02	4.69	-186.21	-186.01	4.49	6.17
1	8	31	1.06	0.22	1.05	0.24	-0.11	70.48	-382.05	-379.79	68.22	-31.88
1	8	55	1.63	0.43	1.62	0.44	9.47e-02	26.14	-144.76	-141.45	22.83	-23.54
1	8	67	1.22	0.27	1.21	0.27	-7.91e-02	81.75	-318.05	-307.35	71.05	-64.54
1	8	68	0.95	0.17	0.94	0.18	-6.39e-02	89.95	-242.34	-242.32	89.93	-2.42
1	8	69	1.10	0.26	1.10	0.27	-5.89e-02	65.48	-251.94	-245.70	59.25	-44.04
1	8	79	1.02	0.22	1.01	0.23	-6.22e-02	19.97	-232.86	-225.31	12.42	43.04
1	8	80	0.83	-0.21	0.81	-0.19	-0.15	68.02	-459.27	-452.97	61.72	57.27
1	8	90	0.76	-6.66e-02	0.75	-6.08e-02	-6.88e-02	80.98	-256.66	-248.49	72.82	51.87
1	8	145	-0.17	-0.49	-0.17	-0.48	4.59e-02	-38.77	-64.95	-45.42	-58.30	-11.39
1	8	146	0.28	-0.23	-8.31e-02	0.14	0.23	54.06	-92.25	-46.81	8.62	-67.70
1	8	147	0.20	-0.10	-1.58e-02	0.12	-0.14	94.04	-89.97	-15.14	19.22	90.39
1	9	29	6.47e-02	-9.18e-02	-9.17e-02	6.45e-02	5.08e-03	8.07	-90.02	-90.01	8.06	-0.94
1	9	31	0.83	3.80e-02	0.83	3.82e-02	-1.23e-02	44.41	-173.02	-173.02	44.40	-1.16
1	9	55	-7.35e-04	-6.18e-02	-5.84e-02	-4.12e-03	1.40e-02	16.94	-88.51	-83.57	11.99	-22.28
1	9	67	0.86	0.12	0.86	0.13	7.98e-02	31.90	-185.50	-181.22	27.62	-30.21
1	9	68	0.18	3.71e-02	0.18	3.72e-02	-5.09e-03	44.21	-126.94	-126.94	44.21	-0.76
1	9	69	0.21	6.91e-03	0.19	2.36e-02	5.60e-02	33.51	-131.68	-128.49	30.31	-22.74
1	9	79	-4.66e-02	-0.16	-0.16	-4.68e-02	-3.81e-03	17.85	-98.74	-94.54	13.66	21.71
1	9	80	0.85	7.25e-02	0.84	8.67e-02	-0.10	32.76	-173.60	-171.02	30.18	22.92
1	9	90	0.17	-4.66e-02	0.15	-2.40e-02	-6.61e-02	34.72	-132.15	-130.41	32.98	16.93
1	9	145	3.95e-02	1.14e-02	1.39e-02	3.70e-02	8.02e-03	-11.03	-18.72	-18.08	-11.67	-2.13
1	9	146	8.78e-03	-7.22e-04	1.78e-03	6.28e-03	-4.19e-03	31.79	-42.32	-16.49	5.96	-35.31
1	9	147	2.70e-02	-1.56e-02	1.23e-02	-8.48e-04	2.02e-02	37.20	-40.22	-12.01	8.99	37.26
1	10	29	1.06	8.94e-03	1.06	9.15e-03	1.46e-02	5.15	-172.44	-172.29	5.00	5.15
1	10	31	1.03	0.20	1.02	0.21	-9.98e-02	66.63	-352.06	-350.25	64.82	-27.49
1	10	55	1.39	0.37	1.38	0.37	8.32e-02	24.74	-136.64	-133.18	21.28	-23.36
1	10	67	1.16	0.25	1.16	0.25	-5.64e-02	74.62	-299.10	-289.33	64.84	-59.64
1	10	68	0.84	0.15	0.83	0.16	-5.55e-02	83.42	-225.85	-225.84	83.40	-2.18
1	10	69	0.97	0.23	0.97	0.23	-4.25e-02	60.91	-234.76	-228.96	55.11	-41.00
1	10	79	0.85	0.18	0.85	0.19	-5.39e-02	19.66	-213.69	-206.63	12.60	39.99
1	10	80	0.83	-0.17	0.81	-0.15	-0.14	62.98	-418.46	-412.69	57.22	52.36
1	10	90	0.67	-6.20e-02	0.67	-5.56e-02	-6.84e-02	74.31	-238.81	-231.62	67.13	46.88
1	10	145	-0.14	-0.42	-0.15	-0.41	4.05e-02	-35.31	-57.85	-41.52	-51.64	-10.07
1	10	146	0.24	-0.19	-7.09e-02	0.12	0.19	50.87	-85.10	-42.48	8.24	-63.08
1	10	147	0.17	-8.30e-02	-1.18e-02	9.96e-02	-0.11	85.90	-82.84	-14.70	17.76	82.80
1	11	29	1.88	1.47	1.87	1.48	4.17e-02	-7.20	-91.34	-49.50	-49.05	-42.07
1	11	31	19.01	1.77	19.01	1.78	0.18	344.97	-156.66	-81.55	269.86	178.99
1	11	55	8.08	-0.51	7.22	0.35	2.58	21.03	-281.69	-207.86	-52.80	-129.99
1	11	67	17.82	1.17	16.53	2.46	4.45	-82.21	-736.14	-711.62	-106.73	-124.24
1	11	68	4.51	1.31	4.48	1.33	0.27	-0.80	-141.85	-140.95	-1.70	11.25
1	11	69	5.31	-0.89	4.54	-0.13	2.04	164.88	-289.46	-124.81	0.24	-218.40
1	11	79	-0.86	-3.36	-2.95	-1.28	-0.93	139.26	81.68	99.08	121.87	-26.44
1	11	80	24.29	1.50	22.23	3.55	-6.53	462.96	76.80	462.53	77.23	-12.91
1	11	90	6.02	-1.79	4.05	0.17	-3.39	67.70	-256.93	-182.68	-6.55	-136.35
1	11	145	1.15	-0.37	0.28	0.50	0.75	37.86	-20.32	-14.14	31.68	17.93
1	11	146	1.43	-1.86	-0.14	-0.29	1.64	129.54	-29.43	28.90	71.21	-76.62
1	11	147	1.59	-0.48	0.47	0.64	1.03	-4.60	-79.27	-64.73	-19.14	-29.57
1	12	29	0.32	-1.63	-1.63	0.32	-9.73e-02	-134.05	-191.32	-153.78	-171.59	-27.22
1	12	31	7.15	0.67	7.15	0.67	2.77e-02	304.44	-136.91	163.28	4.26	205.85
1	12	55	3.07	-0.47	3.00	-0.40	0.49	-105.87	-430.77	-413.77	-122.87	-72.35
1	12	67	3.73	0.72	3.71	0.74	0.28	-26.55	-479.76	-453.67	-52.63	105.55
1	12	68	2.87	-0.61	2.75	-0.49	-0.63	-63.28	-177.37	-68.64	-172.01	24.14

1	12	69	3.07	-1.07	2.91	-0.91	-0.80	51.03	-152.49	-55.50	-45.95	-101.65
1	12	79	-1.09	-6.56	-6.47	-1.18	0.68	169.26	-38.82	108.14	22.30	-94.77
1	12	80	12.03	0.40	10.97	1.46	-3.35	771.40	76.84	753.12	95.12	-111.18
1	12	90	3.92	-1.48	2.45	-6.71e-03	-2.41	86.23	-297.36	-92.99	-118.15	-191.38
1	12	145	7.11e-02	-1.72	-0.37	-1.28	0.77	-9.71	-147.57	-35.49	-121.78	53.76
1	12	146	1.31e-02	-1.03	-0.53	-0.48	0.52	260.92	-49.32	89.07	122.53	-154.21
1	12	147	2.20	-1.46	0.26	0.48	1.83	-51.87	-109.37	-108.62	-52.62	-6.50
1	13	29	3.75	-0.30	3.75	-0.30	0.13	185.34	-194.55	-190.81	181.60	37.52
1	13	31	-0.24	-5.13	-5.12	-0.25	-0.23	189.94	-928.34	-863.78	125.38	-260.83
1	13	55	1.22	-0.31	-0.23	1.15	-0.33	183.58	129.25	147.40	165.43	25.63
1	13	67	-0.12	-1.51	-1.39	-0.24	-0.39	300.98	-243.64	-124.98	182.32	-224.82
1	13	68	0.94	-1.22	-1.09	0.80	0.52	339.94	-384.16	-383.03	338.81	-28.50
1	13	69	1.58	-1.18	-0.98	1.38	0.71	156.87	-403.11	-402.42	156.18	19.66
1	13	79	8.26	1.45	8.17	1.55	-0.79	55.80	-574.30	-521.39	2.89	174.75
1	13	80	-0.68	-10.43	-9.35	-1.76	3.06	47.98	-1607.17	-1578.51	19.32	215.90
1	13	90	1.72	-2.93	-1.11	-0.10	2.27	363.24	-481.10	-370.26	252.40	285.14
1	13	145	0.99	-0.45	8.04e-02	0.46	-0.69	66.42	-95.46	-47.54	18.50	-73.90
1	13	146	0.77	0.35	0.39	0.72	-0.13	-95.96	-184.12	-174.03	-106.05	28.06
1	13	147	1.77	-2.34	-0.29	-0.28	-2.05	255.83	-88.46	79.23	88.13	172.09
1	14	29	0.25	-1.46	0.25	-1.46	-1.24e-02	66.64	-302.67	-295.09	59.05	52.37
1	14	31	-1.35	-16.99	-16.98	-1.36	-0.38	-44.87	-714.30	-618.95	-140.22	-233.96
1	14	55	1.39	-5.44	-4.45	0.40	-2.41	131.80	-94.94	-58.51	95.36	83.27
1	14	67	-0.44	-15.72	-14.21	-1.96	-4.56	236.66	132.73	132.96	236.42	4.97
1	14	68	-0.94	-2.90	-2.82	-1.02	-0.38	169.01	-311.23	-310.72	168.50	-15.61
1	14	69	1.65	-3.67	-2.61	0.60	-2.12	148.62	-371.73	-333.10	109.99	136.41
1	14	79	4.85	1.44	4.64	1.65	0.82	-71.01	-537.99	-512.33	-96.67	106.41
1	14	80	-1.78	-22.68	-20.61	-3.85	6.24	47.56	-1298.27	-1287.91	37.20	117.63
1	14	90	1.97	-4.97	-2.72	-0.29	3.25	242.10	-381.86	-280.56	140.80	230.10
1	14	145	-0.18	-1.72	-0.57	-1.32	-0.67	-51.52	-152.34	-68.89	-134.97	-38.07
1	14	146	1.54	-1.02	5.35e-04	0.53	-1.25	-26.60	-141.98	-113.86	-54.72	-49.53
1	14	147	0.79	-1.72	-0.50	-0.44	-1.26	240.40	-150.40	35.34	54.65	195.16
1	15	29	1.55	2.94e-02	3.07e-02	1.54	4.41e-02	-31.20	-118.14	-79.80	-69.54	-43.16
1	15	31	19.68	1.78	19.68	1.78	0.20	374.10	-165.81	-86.84	295.13	190.79
1	15	55	3.63	-0.42	2.79	0.42	1.65	15.50	-285.39	-216.02	-53.88	-126.73
1	15	67	18.28	1.22	16.94	2.55	4.58	-93.63	-735.13	-710.95	-117.81	-122.16
1	15	68	4.50	1.44	4.49	1.45	0.17	-25.73	-128.09	-126.26	-27.56	13.57
1	15	69	5.28	-1.22	4.53	-0.47	2.07	143.13	-284.26	-121.47	-19.65	-207.54
1	15	79	-1.25	-2.55	-2.53	-1.27	-0.15	129.01	44.40	50.92	122.49	-22.56
1	15	80	25.37	1.58	23.20	3.74	-6.84	465.14	73.29	464.06	74.37	-20.51
1	15	90	6.50	-2.26	4.06	0.18	-3.92	79.81	-298.82	-182.61	-36.40	-174.63
1	15	145	1.26	-0.30	0.33	0.64	0.76	40.17	-21.67	-17.38	35.88	15.73
1	15	146	0.27	-0.71	-0.14	-0.30	0.48	122.83	-41.58	19.87	61.38	-79.54
1	15	147	1.49	-0.34	0.50	0.65	0.91	-8.62	-81.04	-66.95	-22.71	-28.67
1	16	29	0.33	0.13	0.21	0.25	-9.96e-02	-107.73	-166.84	-123.47	-151.10	-26.12
1	16	31	6.48	0.67	6.48	0.67	1.08e-02	289.74	-142.18	168.56	-21.00	194.05
1	16	55	7.68	-0.72	7.43	-0.48	1.42	-102.90	-424.50	-405.61	-121.79	-75.62
1	16	67	3.30	0.64	3.29	0.65	0.15	-17.07	-478.82	-454.34	-41.55	103.47
1	16	68	2.83	-0.69	2.74	-0.61	-0.53	-76.49	-152.99	-83.33	-146.16	21.82
1	16	69	3.11	-0.76	2.92	-0.57	-0.83	71.24	-156.15	-58.85	-26.07	-112.51
1	16	79	-1.18	-6.90	-6.89	-1.18	-9.41e-02	208.41	-30.44	156.30	21.68	-98.65
1	16	80	10.95	0.32	10.00	1.27	-3.04	767.61	81.95	751.59	97.98	-103.58
1	16	90	3.45	-1.02	2.44	-7.01e-03	-1.87	62.44	-243.79	-93.06	-88.29	-153.10
1	16	145	-6.64e-03	-1.82	-0.42	-1.41	0.76	-6.13	-152.11	-32.26	-125.98	55.96
1	16	146	1.18	-2.18	-0.54	-0.47	1.68	267.49	-37.03	98.10	132.36	-151.29
1	16	147	2.30	-1.59	0.24	0.47	1.94	-48.11	-107.34	-106.40	-49.04	-7.40
1	17	29	1.92	-0.24	1.91	-0.23	0.13	164.55	-224.56	-221.12	161.11	36.43
1	17	31	-0.24	-4.46	-4.45	-0.25	-0.21	208.21	-926.63	-869.07	150.64	-

249.02												
1	17	55	1.48	-4.92	-4.66	1.22	-1.26	183.30	120.29	139.24	164.36	28.89
1	17	67	-7.16e-02	-1.05	-0.97	-0.15	-0.26	290.77	-243.84	-124.32	171.24	-
222.74												
1	17	68	1.01	-1.17	-1.08	0.92	0.42	313.96	-369.35	-368.35	312.96	-26.18
1	17	69	1.28	-1.23	-0.99	1.04	0.74	138.03	-400.81	-399.07	136.29	30.51
1	17	79	8.59	1.55	8.59	1.55	-1.36e-02	54.64	-620.67	-569.55	3.52	178.62
1	17	80	-0.60	-9.35	-8.38	-1.57	2.75	43.24	-1603.75	-1576.97	16.46	208.30
1	17	90	1.20	-2.41	-1.10	-0.10	1.74	311.88	-459.52	-370.18	222.55	246.85
1	17	145	1.08	-0.36	0.13	0.59	-0.68	70.46	-98.54	-50.77	22.69	-76.10
1	17	146	1.85	-0.75	0.39	0.71	-1.29	-107.51	-191.42	-183.06	-115.88	25.14
1	17	147	1.90	-2.43	-0.26	-0.27	-2.17	253.82	-92.24	77.01	84.56	172.99
1	18	29	2.09	-1.53	2.09	-1.53	-1.48e-02	87.65	-272.89	-264.78	79.54	53.47
1	18	31	-1.35	-17.65	-17.64	-1.36	-0.39	-56.98	-722.17	-613.67	-165.49	-
245.77												
1	18	55	1.64	-1.34	-1.78e-02	0.32	-1.48	131.62	-85.52	-50.35	96.44	80.00
1	18	67	-0.49	-16.18	-14.62	-2.05	-4.70	247.57	132.23	132.30	247.50	2.89
1	18	68	-1.09	-2.87	-2.83	-1.14	-0.28	194.98	-326.03	-325.41	194.36	-17.93
1	18	69	1.96	-3.62	-2.60	0.94	-2.16	161.53	-368.10	-336.45	129.88	125.55
1	18	79	4.22	1.64	4.22	1.64	4.63e-02	-70.58	-490.88	-464.17	-97.30	102.54
1	18	80	-1.86	-23.76	-21.58	-4.04	6.56	51.76	-1301.14	-1289.45	40.06	125.23
1	18	90	2.47	-5.49	-2.73	-0.29	3.79	295.65	-405.63	-280.64	170.66	268.39
1	18	145	-0.24	-1.84	-0.62	-1.46	-0.68	-51.05	-153.76	-65.66	-139.16	-35.87
1	18	146	0.56	-1.73e-02	-1.96e-03	0.54	-9.24e-02	-19.45	-130.28	-104.83	-44.89	-46.61
1	18	147	0.66	-1.63	-0.52	-0.45	-1.14	242.43	-146.64	37.56	58.23	194.26
1	19	29	1.72	1.50	1.71	1.52	4.79e-02	-21.17	-102.14	-65.24	-58.07	-40.33
1	19	31	19.43	1.78	19.43	1.78	0.20	371.97	-126.28	-37.67	283.36	190.52
1	19	55	7.78	-0.56	6.94	0.29	2.52	14.75	-289.50	-214.40	-60.35	-
131.18												
1	19	67	18.14	1.19	16.83	2.50	4.53	-92.95	-733.89	-707.96	-118.88	-
126.28												
1	19	68	4.40	1.33	4.38	1.35	0.28	-6.68	-139.45	-137.00	-9.13	17.85
1	19	69	5.54	-1.27	4.44	-0.16	2.51	33.67	-156.64	-117.18	-5.79	-77.16
1	19	79	-0.84	-3.40	-2.96	-1.28	-0.96	130.10	63.06	74.27	118.89	-25.02
1	19	80	24.92	1.56	22.80	3.68	-6.71	539.49	78.40	538.58	79.31	-20.44
1	19	90	6.01	-1.93	3.94	0.14	-3.49	74.71	-273.48	-184.74	-14.03	-
151.74												
1	19	145	2.01	0.33	0.33	2.00	-4.51e-02	61.74	-20.76	-18.09	59.07	14.60
1	19	146	1.32	-1.73	-0.12	-0.30	1.52	58.47	-145.52	21.86	-108.91	-78.28
1	19	147	1.62	-0.51	0.49	0.62	1.07	-15.10	-76.03	-67.19	-23.94	-21.45
1	20	29	0.36	-1.79	-1.79	0.36	-9.12e-02	-148.99	-201.14	-169.52	-180.61	-25.48
1	20	31	7.57	0.68	7.57	0.68	4.71e-02	349.57	-124.66	207.16	17.75	217.39
1	20	55	2.78	-0.52	2.72	-0.46	0.44	-112.83	-437.90	-420.31	-130.42	-73.54
1	20	67	4.05	0.74	4.01	0.78	0.36	-38.74	-476.07	-450.02	-64.79	103.51
1	20	68	2.77	-0.59	2.65	-0.47	-0.63	-56.97	-187.16	-64.69	-179.44	30.75
1	20	69	2.83	-0.97	2.80	-0.95	-0.33	-10.28	-89.57	-47.87	-51.98	39.59
1	20	79	-1.10	-6.56	-6.49	-1.18	0.65	150.01	-47.36	83.33	19.33	-93.35
1	20	80	12.66	0.47	11.54	1.59	-3.52	847.94	78.42	829.17	97.19	-
118.71												
1	20	90	3.92	-1.62	2.34	-4.26e-02	-2.50	97.00	-317.68	-95.04	-125.63	-
206.78												
1	20	145	0.22	-0.33	-0.33	0.22	-2.42e-02	-9.48	-124.35	-39.44	-94.39	50.44
1	20	146	-0.10	-0.90	-0.51	-0.49	0.40	183.02	-158.57	82.03	-57.58	-
155.87												
1	20	147	2.24	-1.49	0.28	0.46	1.86	-57.37	-111.13	-111.08	-57.42	1.62
1	21	29	3.91	-0.34	3.91	-0.34	0.12	194.09	-178.53	-175.07	190.62	35.78
1	21	31	-0.25	-5.55	-5.54	-0.26	-0.25	180.09	-975.86	-907.66	111.89	-
272.36												
1	21	55	1.27	-1.15e-02	4.88e-02	1.21	-0.27	191.92	135.01	153.94	172.98	26.82
1	21	67	-0.13	-1.83	-1.69	-0.28	-0.47	308.12	-242.28	-128.64	194.48	-
222.78												
1	21	68	0.92	-1.13	-0.98	0.78	0.52	347.92	-388.66	-386.98	346.24	-35.11
1	21	69	1.44	-0.90	-0.87	1.41	0.24	186.97	-434.81	-410.05	162.21	-
121.59												
1	21	79	8.26	1.47	8.18	1.55	-0.76	59.86	-550.58	-496.58	5.87	173.33
1	21	80	-0.74	-11.06	-9.92	-1.88	3.24	46.59	-1683.90	-1654.56	17.24	223.43
1	21	90	1.88	-2.95	-1.01	-6.86e-02	2.37	380.52	-488.83	-368.20	259.89	300.53
1	21	145	4.53e-02	-1.05	3.52e-02	-1.04	0.11	46.44	-98.92	-43.60	-8.89	-70.58
1	21	146	0.73	0.37	0.37	0.73	-7.86e-03	77.68	-170.60	-166.99	74.07	29.72
1	21	147	1.81	-2.38	-0.31	-0.26	-2.09	251.39	-76.76	81.69	92.94	163.98
1	22	29	0.41	-1.50	0.41	-1.50	-1.86e-02	75.30	-286.58	-279.35	68.08	50.63
1	22	31	-1.35	-17.41	-17.40	-1.36	-0.40	-54.62	-761.92	-662.83	-153.72	-

245.49												
1	22	55	1.44	-5.16	-4.17	0.46	-2.35	140.06	-89.12	-51.97	102.92	84.46
1	22	67	-0.46	-16.05	-14.51	-2.00	-4.64	248.98	128.90	129.31	248.57	7.01
1	22	68	-0.96	-2.80	-2.72	-1.04	-0.39	176.93	-315.67	-314.67	175.93	-22.21
1	22	69	2.09	-3.97	-2.50	0.63	-2.59	116.07	-340.79	-340.74	116.02	-4.84
1	22	79	4.88	1.43	4.65	1.65	0.86	-67.46	-513.76	-487.52	-93.70	104.99
1	22	80	-1.84	-23.31	-21.18	-3.97	6.42	46.24	-1375.07	-1363.96	35.13	125.16
1	22	90	2.12	-4.98	-2.61	-0.25	3.35	260.16	-390.39	-278.51	148.28	245.49
1	22	145	-0.61	-2.83	-0.62	-2.83	0.13	-53.82	-173.48	-64.94	-162.36	-34.75
1	22	146	1.42	-0.91	-2.54e-02	0.54	-1.13	134.87	-116.30	-106.82	125.39	-47.87
1	22	147	0.83	-1.76	-0.52	-0.42	-1.29	235.99	-138.74	37.80	59.45	187.05
1	23	29	1.58	-0.13	-0.13	1.58	5.02e-02	-44.77	-129.34	-95.55	-78.56	-41.42
1	23	31	20.10	1.78	20.10	1.79	0.21	400.86	-135.19	-42.96	308.62	202.33
1	23	55	3.35	-0.48	2.51	0.36	1.59	9.18	-293.17	-222.56	-61.43	-
127.92												
1	23	67	18.60	1.24	17.24	2.59	4.66	-104.38	-732.88	-707.30	-129.96	-
124.20												
1	23	68	4.40	1.46	4.39	1.47	0.17	-30.55	-126.75	-122.31	-34.99	20.17
1	23	69	5.50	-1.58	4.43	-0.50	2.54	9.86	-149.37	-113.84	-25.68	-66.30
1	23	79	-1.25	-2.57	-2.54	-1.27	-0.19	124.08	21.55	26.11	119.52	-21.14
1	23	80	25.99	1.64	23.77	3.87	-7.02	541.80	74.76	540.11	76.45	-28.04
1	23	90	6.50	-2.40	3.96	0.14	-4.02	88.37	-316.92	-184.66	-43.89	-
190.02												
1	23	145	2.14	0.37	0.37	2.14	-3.25e-02	65.04	-23.10	-21.32	63.26	12.40
1	23	146	0.16	-0.59	-0.11	-0.31	0.36	51.55	-157.46	12.83	-118.74	-81.20
1	23	147	1.53	-0.38	0.52	0.63	0.95	-19.11	-77.81	-69.41	-27.51	-20.55
1	24	29	0.32	2.06e-02	5.32e-02	0.29	-9.35e-02	-123.14	-176.20	-139.21	-160.13	-24.38
1	24	31	6.90	0.67	6.90	0.67	3.02e-02	335.61	-130.68	212.44	-7.51	205.58
1	24	55	7.39	-0.77	7.15	-0.54	1.37	-109.83	-431.66	-412.15	-129.34	-76.81
1	24	67	3.61	0.67	3.59	0.69	0.22	-29.29	-475.10	-450.68	-53.71	101.43
1	24	68	2.73	-0.67	2.64	-0.59	-0.53	-69.74	-163.22	-79.38	-153.59	28.42
1	24	69	2.85	-0.64	2.82	-0.61	-0.36	-11.37	-71.94	-51.21	-32.10	28.73
1	24	79	-1.18	-6.91	-6.91	-1.18	-0.13	187.49	-37.30	131.49	18.70	-97.23
1	24	80	11.58	0.38	10.57	1.40	-3.21	844.23	83.46	827.64	100.05	-
111.11												
1	24	90	3.44	-1.16	2.33	-4.29e-02	-1.97	73.04	-263.94	-95.12	-95.78	-
168.49												
1	24	145	9.05e-02	-0.38	-0.37	8.76e-02	-3.67e-02	-6.21	-128.58	-36.20	-98.59	52.64
1	24	146	1.06	-2.05	-0.51	-0.48	1.56	189.62	-146.31	91.06	-47.75	-
152.95												
1	24	147	2.33	-1.63	0.26	0.45	1.98	-53.84	-108.87	-108.86	-53.84	0.72
1	25	29	2.07	-0.28	2.07	-0.27	0.12	173.31	-208.55	-205.37	170.13	34.68
1	25	31	-0.24	-4.88	-4.87	-0.26	-0.23	198.25	-974.04	-912.95	137.15	-
260.55												
1	25	55	1.53	-4.63	-4.38	1.28	-1.20	191.64	126.05	145.78	171.91	30.08
1	25	67	-9.01e-02	-1.37	-1.28	-0.19	-0.34	297.80	-242.37	-127.97	183.40	-
220.70												
1	25	68	0.99	-1.07	-0.98	0.90	0.42	321.93	-373.84	-372.29	320.39	-32.78
1	25	69	1.11	-0.92	-0.88	1.07	0.28	163.81	-428.20	-406.71	142.32	-
110.73												
1	25	79	8.60	1.56	8.60	1.56	1.98e-02	58.54	-596.79	-544.74	6.49	177.20
1	25	80	-0.66	-9.98	-8.95	-1.69	2.92	41.87	-1680.51	-1653.02	14.38	215.83
1	25	90	1.36	-2.42	-0.99	-6.83e-02	1.83	328.72	-466.82	-368.13	230.03	262.24
1	25	145	9.59e-02	-0.92	8.21e-02	-0.91	0.12	50.00	-101.53	-46.83	-4.70	-72.78
1	25	146	1.72	-0.64	0.37	0.72	-1.17	67.19	-178.97	-176.02	64.24	26.80
1	25	147	1.94	-2.47	-0.28	-0.25	-2.20	249.37	-80.53	79.47	89.36	164.88
1	26	29	2.25	-1.57	2.25	-1.57	-2.09e-02	96.31	-256.79	-249.04	88.56	51.73
1	26	31	-1.36	-18.07	-18.06	-1.37	-0.41	-66.89	-769.63	-657.55	-178.98	-
257.30												
1	26	55	1.75	-1.10	0.26	0.38	-1.42	139.88	-79.70	-43.81	103.99	81.19
1	26	67	-0.51	-16.51	-14.93	-2.09	-4.78	259.84	128.46	128.64	259.65	4.93
1	26	68	-1.11	-2.77	-2.72	-1.16	-0.29	202.92	-330.49	-329.36	201.79	-24.53
1	26	69	2.38	-3.91	-2.49	0.97	-2.63	136.42	-344.59	-344.08	135.91	-15.69
1	26	79	4.23	1.64	4.23	1.65	7.97e-02	-66.87	-466.81	-439.36	-94.32	101.12
1	26	80	-1.92	-24.39	-22.15	-4.16	6.73	50.44	-1377.95	-1365.50	37.99	132.76
1	26	90	2.63	-5.50	-2.62	-0.25	3.88	314.03	-414.47	-278.58	178.14	283.78
1	26	145	-0.66	-2.96	-0.66	-2.96	0.11	-52.43	-175.83	-61.71	-166.55	-32.54
1	26	146	0.55	-2.95e-02	-2.79e-02	0.55	3.02e-02	143.59	-106.16	-97.79	135.22	-44.95
1	26	147	0.69	-1.67	-0.54	-0.43	-1.18	238.03	-134.98	40.02	63.03	186.15
1	27	29	6.62	2.19	6.61	2.21	0.23	180.93	16.42	22.71	174.65	-31.53
1	27	31	24.40	2.35	24.40	2.35	0.21	529.20	-641.00	-640.96	529.17	-6.30
1	27	55	11.18	-0.14	9.53	1.50	3.99	276.09	-14.05	156.71	105.33	-

142.77												
1	27	67	27.62	1.11	25.21	3.52	7.62	126.98	-1002.89	-807.23	-68.67	-
427.54												
1	27	68	5.47	2.35	4.55	3.27	1.42	316.68	-310.54	-310.04	316.18	-17.71
1	27	69	8.06	-2.23	4.52	1.31	4.89	243.43	-437.57	-302.84	108.71	-
271.29												
1	27	79	6.21	-1.56	5.06	-0.41	-2.76	238.11	-170.38	-128.66	196.39	123.70
1	27	80	26.44	2.00	24.32	4.13	-6.89	85.00	-639.77	-590.86	36.09	181.81
1	27	90	5.39	-0.99	4.12	0.29	-2.55	224.13	-362.82	-352.97	214.29	75.38
1	27	145	2.60	0.94	0.97	2.57	0.22	220.29	-15.11	-0.92	206.11	-56.02
1	27	146	2.73	-1.94	0.50	0.29	2.33	-22.33	-140.71	-112.32	-50.71	50.54
1	27	147	1.46	-0.51	0.45	0.50	-0.98	64.63	29.71	36.87	57.47	14.10
1	28	29	-1.64	-5.07	-5.05	-1.66	-0.23	-230.42	-328.31	-324.90	-233.83	17.96
1	28	31	-1.32	-15.14	-15.13	-1.33	-0.29	187.87	-368.92	175.13	-356.18	83.26
1	28	55	0.68	-6.20	-4.53	-1.00	-2.95	-122.25	-535.64	-529.66	-128.23	49.36
1	28	67	3.73e-02	-19.77	-17.52	-2.21	-6.28	421.84	-257.61	52.58	111.65	338.44
1	28	68	-0.22	-3.79	-1.22	-2.80	-1.60	-65.57	-254.97	-69.01	-251.54	25.28
1	28	69	3.46	-5.69	-0.93	-1.30	-4.57	60.09	-177.15	-71.80	-45.26	117.88
1	28	79	0.84	-7.61	-6.70	-6.69e-02	2.61	-11.26	-222.69	-98.45	-135.50	-
104.08												
1	28	80	-1.64	-14.42	-13.22	-2.83	3.72	439.56	33.94	377.79	95.71	-
145.74												
1	28	90	7.74e-02	-1.63	-1.23	-0.32	0.72	14.01	-225.73	-54.00	-157.72	-
108.07												
1	28	145	-1.16	-3.42	-1.20	-3.38	0.29	-55.97	-321.56	-72.09	-305.44	63.42
1	28	146	0.85	-2.01	-0.80	-0.35	-1.41	313.03	-104.41	88.25	120.37	-
208.10												
1	28	147	1.54	-1.82	-0.25	-2.67e-02	1.68	13.32	-176.90	-109.45	-54.14	91.00
1	29	29	7.19	1.66	7.17	1.67	0.26	244.06	-19.91	-19.69	243.84	-7.66
1	29	31	17.17	1.74	17.16	1.74	9.05e-02	499.72	-889.53	-875.63	485.82	-
138.24												
1	29	55	8.69	0.34	7.30	1.74	3.12	323.68	110.41	263.29	170.80	-96.09
1	29	67	21.83	0.72	19.84	2.71	6.17	254.55	-867.75	-631.24	18.04	-
457.71												
1	29	68	4.49	1.50	2.88	3.11	1.49	419.43	-383.76	-382.66	418.34	-29.64
1	29	69	6.83	-2.21	2.86	1.76	4.49	221.26	-451.89	-386.12	155.49	-
199.87												
1	29	79	9.23	-0.40	8.39	0.44	-2.72	223.62	-377.72	-314.80	160.70	184.06
1	29	80	16.03	1.35	14.84	2.54	-4.01	68.06	-1252.52	-1203.17	18.72	250.46
1	29	90	2.84	-7.17e-02	2.57	0.21	-0.85	345.91	-463.19	-409.25	291.97	201.83
1	29	145	2.58	0.89	0.91	2.56	-0.21	231.01	-39.80	-10.94	202.15	-83.57
1	29	146	2.43	-1.17	0.66	0.59	1.80	-49.57	-227.52	-173.20	-103.89	81.95
1	29	147	2.13	-1.68	0.22	0.23	-1.91	159.60	10.10	80.06	89.65	74.60
1	30	29	-2.17	-4.51	-4.49	-2.19	-0.20	-156.34	-375.59	-367.29	-164.64	41.84
1	30	31	-1.93	-22.38	-22.37	-1.94	-0.41	-52.71	-406.36	-59.54	-399.52	-48.68
1	30	55	1.10	-8.62	-6.76	-0.76	-3.82	-38.76	-447.08	-423.08	-62.77	96.05
1	30	67	-0.36	-25.55	-22.90	-3.02	-7.73	522.10	-95.16	228.57	198.36	308.26
1	30	68	-1.39	-4.45	-2.89	-2.95	-1.53	-131.61	-159.41	-141.63	-149.38	13.35
1	30	69	3.33	-6.76	-2.58	-0.85	-4.97	128.07	-281.63	-155.08	1.52	189.29
1	30	79	2.07	-4.66	-3.37	0.78	2.65	-156.29	-299.49	-284.59	-171.19	-43.73
1	30	80	-2.29	-24.83	-22.69	-4.43	6.60	96.30	-252.49	-234.52	78.34	-77.09
1	30	90	1.10	-4.28	-2.78	-0.40	2.42	-71.36	-118.95	-110.27	-80.03	18.37
1	30	145	-1.25	-3.40	-1.26	-3.39	-0.14	-76.58	-314.92	-82.11	-309.39	35.87
1	30	146	1.62	-2.31	-0.64	-5.05e-02	-1.94	225.10	-130.53	27.37	67.20	-
176.70												
1	30	147	0.37	-1.15	-0.48	-0.30	0.75	109.00	-197.21	-66.26	-21.95	151.50
1	31	29	6.58	2.21	6.56	2.22	0.24	177.95	11.97	17.99	171.94	-31.01
1	31	31	24.53	2.35	24.53	2.36	0.22	533.22	-627.81	-627.80	533.21	-2.84
1	31	55	11.09	-0.16	9.45	1.48	3.97	274.35	-16.54	154.75	103.06	-
143.13												
1	31	67	27.72	1.12	25.30	3.54	7.64	124.63	-1003.08	-806.13	-72.32	-
428.15												
1	31	68	5.45	2.35	4.52	3.27	1.42	314.35	-309.25	-308.85	313.95	-15.73
1	31	69	8.17	-2.38	4.48	1.30	5.03	209.62	-403.27	-300.55	106.90	-
228.92												
1	31	79	6.22	-1.57	5.06	-0.41	-2.77	236.81	-177.42	-136.10	195.50	124.13
1	31	80	26.63	2.02	24.49	4.17	-6.94	86.01	-617.34	-568.05	36.72	179.55
1	31	90	5.39	-1.03	4.08	0.28	-2.58	220.76	-362.31	-353.59	212.04	70.76
1	31	145	3.02	0.99	0.99	3.02	-1.69e-02	228.43	-16.21	-2.11	214.32	-57.01
1	31	146	2.69	-1.90	0.51	0.28	2.30	-59.31	-159.87	-114.44	-104.75	50.04
1	31	147	1.45	-0.49	0.46	0.50	-0.97	65.38	26.78	36.13	56.03	16.53
1	32	29	-1.63	-5.12	-5.10	-1.64	-0.23	-233.00	-333.16	-329.62	-236.54	18.48

1	32	31	-1.32	-15.01	-15.01	-1.32	-0.28	201.87	-365.71	188.29	-352.13	86.72
1	32	55	0.66	-6.28	-4.61	-1.01	-2.97	-124.60	-537.52	-531.62	-130.50	49.00
1	32	67	4.34e-02	-19.67	-17.43	-2.20	-6.26	419.76	-258.08	53.68	108.00	337.83
1	32	68	-0.24	-3.80	-1.25	-2.79	-1.60	-63.91	-257.68	-67.82	-253.76	27.26
1	32	69	3.30	-5.57	-0.96	-1.31	-4.43	102.35	-218.93	-69.51	-47.07	160.25
1	32	79	0.83	-7.60	-6.71	-6.77e-02	2.60	-16.37	-225.91	-105.89	-136.39	-
103.66												
1	32	80	-1.62	-14.23	-13.05	-2.80	3.67	460.71	36.23	400.60	96.34	-
148.00												
1	32	90	3.77e-02	-1.63	-1.26	-0.33	0.69	17.10	-231.68	-54.62	-159.96	-
112.69												
1	32	145	-1.19	-2.93	-1.19	-2.93	5.27e-02	-57.05	-313.45	-73.27	-297.22	62.43
1	32	146	0.89	-2.04	-0.79	-0.36	-1.45	285.07	-132.59	86.14	66.34	-
208.60												
1	32	147	1.56	-1.83	-0.24	-3.20e-02	1.69	14.46	-180.22	-110.18	-55.58	93.43
1	33	29	7.23	1.65	7.22	1.66	0.26	246.80	-15.22	-14.96	246.55	-8.18
1	33	31	17.04	1.74	17.04	1.74	8.47e-02	496.27	-903.29	-888.80	481.77	-
141.70												
1	33	55	8.78	0.36	7.38	1.76	3.13	325.41	112.91	265.25	173.07	-95.73
1	33	67	21.73	0.72	19.75	2.70	6.14	256.70	-867.35	-632.33	21.69	-
457.10												
1	33	68	4.50	1.51	2.91	3.10	1.49	421.80	-385.09	-383.85	420.56	-31.62
1	33	69	6.72	-2.05	2.89	1.77	4.35	249.32	-480.43	-388.41	157.30	-
242.24												
1	33	79	9.23	-0.39	8.40	0.44	-2.71	224.94	-370.71	-307.36	161.59	183.63
1	33	80	15.84	1.33	14.67	2.50	-3.96	67.47	-1275.36	-1225.99	18.10	252.72
1	33	90	2.86	-4.23e-02	2.60	0.22	-0.83	350.37	-464.78	-408.63	294.22	206.44
1	33	145	2.11	0.90	0.90	2.11	2.82e-02	223.20	-39.02	-9.76	193.94	-82.57
1	33	146	2.46	-1.21	0.65	0.59	1.84	-8.14	-212.81	-171.09	-49.86	82.45
1	33	147	2.14	-1.69	0.22	0.23	-1.92	158.29	13.60	80.79	91.09	72.16
1	34	29	-2.18	-4.46	-4.44	-2.20	-0.21	-153.76	-370.75	-362.57	-161.93	41.32
1	34	31	-1.93	-22.50	-22.50	-1.94	-0.42	-64.68	-411.59	-72.70	-403.57	-52.14
1	34	55	1.12	-8.54	-6.68	-0.74	-3.80	-36.35	-445.27	-421.12	-60.50	96.40
1	34	67	-0.37	-25.65	-22.99	-3.03	-7.76	523.88	-94.39	227.48	202.01	308.88
1	34	68	-1.38	-4.44	-2.86	-2.96	-1.53	-133.41	-156.56	-142.82	-147.15	11.37
1	34	69	3.49	-6.88	-2.55	-0.84	-5.11	90.44	-244.48	-157.37	3.33	146.92
1	34	79	2.08	-4.67	-3.36	0.78	2.66	-154.42	-293.03	-277.15	-170.30	-44.15
1	34	80	-2.31	-25.02	-22.86	-4.46	6.65	93.67	-273.29	-257.34	77.72	-74.83
1	34	90	1.15	-4.28	-2.75	-0.39	2.44	-65.75	-121.69	-109.66	-77.79	22.99
1	34	145	-1.27	-3.85	-1.28	-3.84	9.78e-02	-75.31	-323.22	-80.92	-317.61	36.87
1	34	146	1.58	-2.28	-0.65	-4.75e-02	-1.91	257.43	-106.71	29.48	121.23	-
176.20												
1	34	147	0.36	-1.14	-0.48	-0.30	0.74	107.73	-193.77	-65.52	-20.51	149.06
1	35	29	2.46	0.45	0.48	2.43	0.24	112.83	-84.80	-78.32	106.35	-35.19
1	35	31	26.63	2.36	26.63	2.37	0.27	614.24	-659.44	-658.58	613.38	33.06
1	35	55	1.86	-5.35	-5.24	1.75	0.89	248.24	-17.00	129.50	101.74	-
131.89												
1	35	67	29.17	1.26	26.60	3.83	8.07	91.68	-1002.30	-805.01	-105.60	-
420.60												
1	35	68	5.29	2.95	4.57	3.67	1.08	230.19	-261.28	-261.08	229.99	-9.96
1	35	69	7.76	-3.11	4.48	0.18	4.99	163.77	-413.05	-291.69	42.42	-
235.10												
1	35	79	6.46	-0.39	6.46	-0.39	-0.17	234.14	-324.85	-289.19	198.47	136.62
1	35	80	30.04	2.28	27.55	4.76	-7.93	64.23	-623.42	-585.75	26.56	156.49
1	35	90	6.97	-2.53	4.15	0.29	-4.34	120.53	-358.50	-352.73	114.77	-52.24
1	35	145	3.05	1.09	1.13	3.01	0.26	236.27	-27.88	-11.69	220.09	-63.36
1	35	146	1.92	-1.17	0.51	0.24	-1.54	-62.61	-163.29	-142.42	-83.48	40.81
1	35	147	1.90	-0.82	0.54	0.54	-1.36	56.40	18.62	29.47	45.55	17.09
1	36	29	1.10	-1.90	1.08	-1.88	-0.24	-158.40	-231.00	-223.87	-165.54	21.62
1	36	31	-1.33	-17.36	-17.36	-1.34	-0.35	195.78	-443.42	192.75	-440.39	43.90
1	36	55	10.25	-1.25	10.25	-1.25	0.15	-120.77	-506.33	-502.45	-124.65	38.48
1	36	67	-0.11	-21.31	-18.91	-2.51	-6.73	434.59	-235.65	50.37	148.58	331.50
1	36	68	-0.62	-3.82	-1.24	-3.20	-1.26	-112.19	-171.12	-117.96	-165.34	17.53
1	36	69	4.17	-5.22	-0.88	-0.16	-4.68	65.87	-127.78	-82.94	21.03	81.69
1	36	79	-8.60e-02	-8.10	-8.10	-8.61e-02	2.48e-02	116.05	-191.56	62.08	-137.59	-
117.00												
1	36	80	-1.91	-18.01	-16.45	-3.47	4.76	418.90	59.02	372.67	105.25	-
120.41												
1	36	90	1.76	-3.34	-1.27	-0.32	2.50	-36.57	-75.87	-54.24	-58.20	19.55
1	36	145	-1.33	-3.84	-1.36	-3.82	0.25	-43.19	-337.54	-61.32	-319.42	70.76
1	36	146	1.91	-3.03	-0.81	-0.31	2.46	334.87	-63.38	118.34	153.14	-
198.37												

1	36	147	1.86	-2.26	-0.34	-6.87e-02	2.06	20.81	-165.08	-102.05	-42.22	88.00
1	37	29	1.98	0.96	1.04	1.90	0.27	175.98	-121.15	-120.72	175.54	-11.31
1	37	31	19.39	1.76	19.39	1.76	0.15	576.68	-899.90	-893.25	570.03	-98.88
1	37	55	1.99	-7.48	-7.48	1.99	1.74e-02	293.55	109.74	236.08	167.21	-85.21
1	37	67	23.37	0.87	21.22	3.02	6.61	220.35	-868.26	-629.02	-18.89	-
450.77												
1	37	68	4.40	2.01	2.90	3.51	1.15	332.86	-334.43	-333.71	332.14	-21.89
1	37	69	6.45	-3.00	2.82	0.63	4.60	141.11	-426.89	-374.98	89.20	-
163.68												
1	37	79	9.79	0.46	9.79	0.46	-0.13	218.69	-531.23	-475.33	162.78	196.97
1	37	80	19.62	1.62	18.07	3.17	-5.05	49.80	-1238.68	-1198.06	9.19	225.13
1	37	90	4.30	-1.49	2.60	0.21	-2.64	201.47	-418.02	-409.00	192.45	74.21
1	37	145	3.01	1.05	1.07	3.00	-0.17	246.90	-52.48	-21.71	216.13	-90.90
1	37	146	2.68	-1.46	0.67	0.55	-2.07	-90.45	-249.51	-203.30	-136.66	72.21
1	37	147	2.58	-1.99	0.31	0.27	-2.28	152.83	-2.44	72.66	77.73	77.59
1	38	29	1.66	-2.43	1.65	-2.41	-0.21	-84.93	-277.67	-266.26	-96.34	45.49
1	38	31	-1.94	-24.60	-24.59	-1.95	-0.47	-25.02	-500.63	-41.92	-483.74	-88.04
1	38	55	8.07	-1.06	8.01	-1.01	-0.72	-38.86	-416.19	-395.87	-59.18	85.17
1	38	67	-0.51	-27.10	-24.28	-3.32	-8.18	532.19	-70.53	226.36	235.29	301.33
1	38	68	-1.92	-4.34	-2.91	-3.35	-1.19	-62.94	-190.83	-190.59	-63.19	5.60
1	38	69	4.15	-6.40	-2.54	0.29	-5.08	143.50	-241.91	-166.22	67.81	153.10
1	38	79	0.76	-4.77	-4.77	0.76	6.70e-02	-86.91	-210.43	-124.06	-173.28	-56.64
1	38	80	-2.56	-28.43	-25.93	-5.06	7.64	95.86	-247.63	-239.64	87.87	-51.77
1	38	90	2.76	-5.98	-2.82	-0.40	4.20	114.29	-205.32	-110.52	19.49	145.99
1	38	145	-1.41	-3.85	-1.42	-3.83	-0.18	-64.13	-330.58	-71.34	-323.37	43.21
1	38	146	1.63	-2.28	-0.65	-6.52e-03	1.93	247.02	-89.59	57.46	99.97	-
166.96												
1	38	147	0.68	-1.59	-0.56	-0.34	1.13	116.04	-184.94	-58.86	-10.04	148.50
1	39	29	2.47	0.40	0.43	2.45	0.24	109.87	-89.28	-83.05	103.64	-34.67
1	39	31	26.76	2.37	26.75	2.37	0.27	618.48	-646.48	-645.42	617.43	36.52
1	39	55	1.84	-5.43	-5.33	1.73	0.87	246.50	-19.48	127.54	99.48	-
132.25												
1	39	67	29.26	1.27	26.69	3.84	8.09	89.36	-1002.53	-803.92	-109.25	-
421.21												
1	39	68	5.27	2.95	4.54	3.68	1.08	227.89	-260.03	-259.90	227.76	-7.98
1	39	69	7.87	-3.26	4.44	0.17	5.13	129.31	-378.11	-289.40	40.61	-
192.73												
1	39	79	6.46	-0.39	6.46	-0.39	-0.18	233.04	-332.09	-296.63	197.58	137.05
1	39	80	30.22	2.30	27.72	4.80	-7.98	65.06	-600.81	-562.93	27.18	154.23
1	39	90	6.97	-2.57	4.12	0.28	-4.37	119.36	-360.19	-353.35	112.52	-56.85
1	39	145	3.46	1.14	1.14	3.46	2.50e-02	244.40	-28.97	-12.88	228.30	-64.35
1	39	146	1.96	-1.20	0.52	0.24	-1.57	-100.56	-181.49	-144.53	-137.52	40.31
1	39	147	1.89	-0.81	0.55	0.54	-1.35	57.41	15.43	28.73	44.11	19.53
1	40	29	1.05	-1.89	1.03	-1.87	-0.24	-161.00	-235.84	-228.59	-168.25	22.14
1	40	31	-1.33	-17.24	-17.23	-1.34	-0.34	209.39	-439.82	205.91	-436.34	47.36
1	40	55	10.16	-1.27	10.16	-1.27	0.13	-123.10	-508.22	-504.41	-126.91	38.12
1	40	67	-0.10	-21.22	-18.82	-2.50	-6.70	432.37	-235.98	51.46	144.93	330.89
1	40	68	-0.64	-3.82	-1.27	-3.19	-1.26	-110.15	-174.20	-116.78	-167.57	19.51
1	40	69	4.01	-5.10	-0.92	-0.17	-4.54	103.02	-164.45	-80.65	19.22	124.06
1	40	79	-8.69e-02	-8.10	-8.10	-8.69e-02	1.48e-02	109.45	-193.29	54.63	-138.48	-
116.57												
1	40	80	-1.89	-17.82	-16.28	-3.43	4.71	440.46	60.90	395.49	105.87	-
122.67												
1	40	90	1.71	-3.33	-1.30	-0.33	2.47	-42.46	-72.84	-54.86	-60.44	14.93
1	40	145	-1.35	-3.37	-1.35	-3.37	1.09e-02	-44.27	-329.43	-62.50	-311.20	69.77
1	40	146	1.88	-2.99	-0.80	-0.31	2.42	306.72	-91.38	116.23	99.11	-
198.86												
1	40	147	1.87	-2.27	-0.33	-7.40e-02	2.07	21.92	-168.37	-102.78	-43.66	90.44
1	41	29	1.97	1.01	1.09	1.89	0.27	178.73	-116.47	-116.00	178.25	-11.83
1	41	31	19.26	1.75	19.26	1.76	0.14	573.06	-913.50	-906.42	565.99	-
102.34												
1	41	55	2.01	-7.39	-7.39	2.01	3.43e-02	295.27	112.24	238.04	169.48	-84.85
1	41	67	23.28	0.86	21.13	3.01	6.59	222.45	-867.81	-630.12	-15.24	-
450.16												
1	41	68	4.41	2.03	2.93	3.50	1.15	335.22	-335.74	-334.89	334.37	-23.87
1	41	69	6.34	-2.84	2.85	0.64	4.45	168.77	-455.02	-377.27	91.01	-
206.05												
1	41	79	9.80	0.46	9.80	0.46	-0.12	219.85	-524.06	-467.89	163.67	196.55
1	41	80	19.44	1.60	17.90	3.13	-5.00	49.27	-1261.58	-1220.87	8.56	227.39
1	41	90	4.30	-1.45	2.63	0.22	-2.61	204.83	-418.52	-408.39	194.70	78.83
1	41	145	2.55	1.05	1.06	2.55	7.01e-02	239.05	-51.67	-20.53	207.92	-89.91
1	41	146	2.64	-1.43	0.66	0.55	-2.03	-48.09	-235.72	-201.19	-82.62	72.71

1	41	147	2.59	-2.01	0.31	0.27	-2.30	151.50	1.07	73.39	79.18	75.16
1	42	29	1.70	-2.44	1.69	-2.43	-0.21	-82.35	-272.82	-261.54	-93.64	44.97
1	42	31	-1.94	-24.73	-24.72	-1.95	-0.47	-36.53	-506.34	-55.08	-487.78	-91.50
1	42	55	8.15	-1.04	8.09	-0.99	-0.70	-36.45	-414.37	-393.91	-56.91	85.52
1	42	67	-0.52	-27.19	-24.37	-3.34	-8.20	534.12	-69.92	225.26	238.94	301.94
1	42	68	-1.91	-4.34	-2.88	-3.36	-1.19	-60.86	-191.87	-191.77	-60.96	3.62
1	42	69	4.30	-6.51	-2.51	0.30	-5.22	113.15	-212.05	-168.51	69.62	110.73
1	42	79	0.76	-4.77	-4.76	0.76	7.70e-02	-80.99	-208.02	-116.62	-172.39	-57.07
1	42	80	-2.58	-28.61	-26.10	-5.10	7.70	94.12	-269.33	-262.45	87.25	-49.51
1	42	90	2.81	-5.98	-2.78	-0.39	4.23	120.28	-208.44	-109.90	21.73	150.61
1	42	145	-1.43	-4.28	-1.43	-4.28	5.59e-02	-62.88	-338.86	-70.15	-331.59	44.21
1	42	146	1.66	-2.32	-0.66	-3.50e-03	1.96	279.82	-66.24	59.58	154.00	-
166.46												
1	42	147	0.67	-1.58	-0.57	-0.34	1.12	114.79	-181.51	-58.12	-8.60	146.07
1	43	29	1.68	1.17	1.67	1.17	3.58e-02	-19.68	-94.76	-76.59	-37.84	-32.15
1	43	31	15.23	1.44	15.23	1.44	0.12	272.95	-180.73	-135.49	227.71	135.93
1	43	55	6.61	-0.32	5.95	0.34	2.04	17.69	-247.36	-192.30	-37.37	-
107.52												
1	43	67	14.27	1.01	13.27	2.00	3.49	-49.29	-643.94	-622.35	-70.87	-
111.23												
1	43	68	3.71	1.06	3.70	1.08	0.20	16.89	-158.84	-158.40	16.45	8.71
1	43	69	4.35	-0.63	3.77	-4.77e-02	1.60	129.72	-264.18	-146.13	11.67	-
180.46												
1	43	79	-0.61	-2.52	-2.16	-0.97	-0.75	100.77	30.28	32.43	98.62	-12.13
1	43	80	19.39	1.15	17.76	2.78	-5.20	282.05	73.00	282.05	73.01	0.70
1	43	90	4.86	-1.41	3.33	0.12	-2.70	48.71	-233.03	-193.06	8.74	-98.30
1	43	145	0.85	-0.35	0.19	0.31	0.60	18.03	-23.83	-20.19	14.39	11.79
1	43	146	1.16	-1.49	-0.13	-0.21	1.32	112.44	-41.64	13.11	57.69	-73.75
1	43	147	1.24	-0.35	0.37	0.52	0.79	-10.89	-54.91	-54.32	-11.49	-5.08
1	44	29	0.26	-1.06	-1.05	0.25	-7.40e-02	-122.94	-170.61	-159.24	-134.31	-20.32
1	44	31	5.86	0.57	5.86	0.57	8.89e-04	195.60	-121.64	56.58	17.39	157.41
1	44	55	2.72	-0.29	2.66	-0.24	0.41	-78.96	-369.32	-355.50	-92.77	-61.81
1	44	67	3.17	0.62	3.16	0.64	0.21	-15.93	-431.01	-418.54	-28.40	70.86
1	44	68	2.43	-0.44	2.33	-0.35	-0.51	-89.57	-130.55	-102.19	-117.93	18.91
1	44	69	2.61	-0.79	2.48	-0.66	-0.63	36.24	-152.92	-92.28	-24.40	-88.28
1	44	79	-0.82	-4.98	-4.92	-0.88	0.52	96.71	-37.10	39.69	19.92	-66.17
1	44	80	9.70	0.29	8.86	1.13	-2.69	523.52	73.02	509.90	86.64	-77.14
1	44	90	3.21	-1.16	2.06	-1.63e-02	-1.92	42.17	-244.09	-122.65	-79.26	-
141.48												
1	44	145	2.08e-02	-1.43	-0.32	-1.09	0.62	-18.95	-125.49	-37.22	-107.22	40.16
1	44	146	5.93e-02	-0.85	-0.43	-0.35	0.45	215.97	-57.10	60.66	98.21	-
135.24												
1	44	147	1.72	-1.12	0.21	0.40	1.42	-34.81	-92.17	-89.09	-37.88	12.92
1	45	29	3.18	-0.24	3.17	-0.23	0.10	147.14	-188.17	-185.35	144.32	30.62
1	45	31	-0.14	-3.84	-3.83	-0.15	-0.20	161.37	-806.19	-757.08	112.25	-
212.38												
1	45	55	1.04	4.15e-02	0.10	0.98	-0.24	139.83	84.64	89.13	135.34	15.09
1	45	67	-9.33e-03	-0.97	-0.84	-0.13	-0.32	246.91	-248.93	-160.12	158.09	-
190.13												
1	45	68	0.77	-0.78	-0.67	0.66	0.40	285.58	-350.33	-349.48	284.73	-23.27
1	45	69	1.29	-0.71	-0.55	1.13	0.55	134.70	-365.71	-365.63	134.62	6.29
1	45	79	6.68	1.18	6.61	1.26	-0.63	47.92	-495.59	-452.94	5.27	146.15
1	45	80	-0.56	-8.10	-7.24	-1.43	2.40	51.64	-1359.13	-1335.28	27.79	181.86
1	45	90	1.40	-2.22	-0.73	-9.48e-02	1.78	299.91	-426.99	-340.60	213.52	235.23
1	45	145	0.70	-0.40	2.96e-02	0.27	-0.54	44.29	-86.17	-45.81	3.94	-60.30
1	45	146	0.60	0.28	0.29	0.59	-6.16e-02	-80.46	-146.88	-145.62	-81.72	9.08
1	45	147	1.43	-1.86	-0.23	-0.20	-1.64	219.38	-86.28	59.70	73.40	152.67
1	46	29	0.45	-1.15	0.45	-1.15	-6.47e-03	53.46	-273.60	-267.99	47.85	42.46
1	46	31	-1.02	-13.21	-13.20	-1.03	-0.32	-29.96	-633.13	-565.01	-98.07	-
190.91												
1	46	55	1.20	-3.98	-3.18	0.40	-1.87	101.04	-95.18	-74.07	79.93	60.80
1	46	67	-0.28	-12.17	-10.96	-1.49	-3.60	200.97	43.29	43.70	200.56	-8.05
1	46	68	-0.69	-2.11	-2.04	-0.76	-0.31	150.73	-293.65	-293.27	150.35	-13.07
1	46	69	1.39	-2.72	-1.84	0.51	-1.68	120.96	-334.19	-311.79	98.56	98.46
1	46	79	4.00	1.19	3.85	1.34	0.64	-51.88	-467.23	-445.69	-73.43	92.11
1	46	80	-1.44	-17.78	-16.14	-3.08	4.91	50.77	-1116.77	-1107.43	41.43	104.02
1	46	90	1.59	-3.82	-1.99	-0.23	2.56	203.40	-348.07	-270.19	125.51	192.05
1	46	145	-0.19	-1.42	-0.48	-1.13	-0.52	-48.17	-132.35	-62.84	-117.68	-31.94
1	46	146	1.18	-0.75	-1.51e-02	0.44	-0.93	-10.02	-129.26	-98.07	-41.21	-52.41
1	46	147	0.66	-1.38	-0.40	-0.32	-1.02	206.99	-135.06	24.93	47.00	170.67
1	47	29	1.22	0.24	0.24	1.22	3.77e-02	-36.66	-117.52	-100.43	-53.76	-33.02
1	47	31	15.76	1.45	15.76	1.45	0.13	296.20	-188.18	-139.74	247.76	145.32

1	47	55	3.12	-0.23	2.49	0.40	1.31	13.62	-250.61	-198.77	-38.21	-
104.93												
1	47	67	14.64	1.04	13.61	2.07	3.60	-58.41	-643.12	-621.81	-79.72	-
109.58												
1	47	68	3.71	1.17	3.70	1.17	0.12	-2.78	-147.93	-147.16	-3.56	10.55
1	47	69	4.33	-0.88	3.76	-0.31	1.63	111.96	-258.99	-143.42	-3.62	-
171.80												
1	47	79	-0.94	-1.84	-1.82	-0.96	-0.14	99.88	-6.11	-5.33	99.11	-9.05
1	47	80	20.25	1.22	18.53	2.93	-5.45	283.39	70.53	283.25	70.66	-5.32
1	47	90	5.24	-1.78	3.34	0.12	-3.12	52.59	-260.12	-192.99	-14.53	-
128.40												
1	47	145	0.94	-0.29	0.23	0.42	0.61	20.08	-25.12	-22.76	17.72	10.05
1	47	146	0.25	-0.59	-0.12	-0.22	0.42	107.08	-51.26	5.95	49.88	-76.06
1	47	147	1.17	-0.24	0.39	0.53	0.70	-13.89	-56.52	-56.08	-14.33	-4.32
1	48	29	0.41	0.17	0.38	0.20	-7.59e-02	-105.66	-148.13	-135.40	-118.39	-19.46
1	48	31	5.33	0.57	5.33	0.57	-1.25e-02	180.46	-122.30	60.83	-2.66	148.02
1	48	55	6.32	-0.49	6.13	-0.30	1.13	-76.70	-364.26	-349.03	-91.93	-64.41
1	48	67	2.83	0.56	2.82	0.57	0.10	-7.91	-430.73	-419.08	-19.56	69.21
1	48	68	2.39	-0.51	2.33	-0.44	-0.43	-86.93	-124.43	-113.44	-97.92	17.07
1	48	69	2.64	-0.54	2.49	-0.40	-0.66	53.97	-158.07	-94.99	-9.11	-96.94
1	48	79	-0.89	-5.26	-5.25	-0.89	-8.81e-02	123.53	-26.64	77.46	19.44	-69.25
1	48	80	8.84	0.22	8.09	0.98	-2.44	520.41	77.26	508.69	88.98	-71.11
1	48	90	2.84	-0.80	2.05	-1.69e-02	-1.50	26.91	-205.62	-122.72	-55.99	-
111.38												
1	48	145	-4.04e-02	-1.52	-0.36	-1.20	0.61	-16.06	-129.13	-34.65	-110.55	41.90
1	48	146	0.97	-1.75	-0.44	-0.34	1.36	221.21	-47.36	67.83	106.02	-
132.92												
1	48	147	1.80	-1.22	0.18	0.39	1.51	-32.35	-90.03	-87.34	-35.04	12.16
1	49	29	1.75	-0.19	1.74	-0.18	0.11	131.00	-211.79	-209.18	128.40	29.76
1	49	31	-0.14	-3.31	-3.30	-0.15	-0.19	176.25	-805.28	-761.33	132.30	-
202.99												
1	49	55	1.24	-3.56	-3.36	1.04	-0.97	139.95	77.20	82.66	134.50	17.68
1	49	67	2.43e-02	-0.59	-0.51	-6.12e-02	-0.21	238.49	-248.81	-159.57	149.25	-
188.48												
1	49	68	0.83	-0.73	-0.66	0.76	0.32	265.48	-339.00	-338.23	264.72	-21.43
1	49	69	1.07	-0.76	-0.56	0.86	0.58	119.80	-363.39	-362.93	119.34	14.94
1	49	79	6.94	1.26	6.94	1.26	-1.96e-02	47.16	-532.11	-490.71	5.76	149.23
1	49	80	-0.50	-7.24	-6.47	-1.27	2.15	47.82	-1356.45	-1334.07	25.45	175.83
1	49	90	0.99	-1.80	-0.72	-9.42e-02	1.36	260.28	-410.57	-340.53	190.25	205.13
1	49	145	0.77	-0.32	6.74e-02	0.38	-0.53	47.44	-88.56	-48.38	7.26	-62.05
1	49	146	1.41	-0.54	0.29	0.58	-0.97	-88.82	-153.50	-152.78	-89.54	6.77
1	49	147	1.54	-1.93	-0.21	-0.19	-1.73	217.81	-89.31	57.94	70.55	153.43
1	50	29	1.88	-1.20	1.88	-1.20	-8.38e-03	69.75	-250.14	-244.16	63.77	43.32
1	50	31	-1.02	-13.74	-13.73	-1.03	-0.33	-40.94	-637.94	-560.76	-118.12	-
200.30												
1	50	55	1.46	-0.84	0.28	0.34	-1.15	100.88	-87.70	-67.60	80.77	58.20
1	50	67	-0.31	-12.55	-11.29	-1.57	-3.71	209.97	42.59	43.15	209.41	-9.69
1	50	68	-0.82	-2.09	-2.04	-0.86	-0.23	170.82	-304.98	-304.51	170.36	-14.91
1	50	69	1.63	-2.68	-1.83	0.78	-1.71	131.91	-332.56	-314.50	113.84	89.81
1	50	79	3.51	1.34	3.51	1.34	3.00e-02	-51.66	-430.17	-407.92	-73.91	89.02
1	50	80	-1.50	-18.64	-16.91	-3.23	5.16	54.18	-1119.05	-1108.64	43.77	110.04
1	50	90	1.99	-4.23	-2.00	-0.23	2.98	244.63	-366.10	-270.25	148.79	222.15
1	50	145	-0.24	-1.52	-0.52	-1.24	-0.53	-47.82	-133.46	-60.27	-121.01	-30.19
1	50	146	0.46	-1.92e-02	-1.74e-02	0.45	-2.91e-02	-4.39	-119.91	-90.91	-33.39	-50.09
1	50	147	0.55	-1.30	-0.42	-0.33	-0.93	208.57	-132.04	26.69	49.85	169.91
1	51	29	1.55	1.19	1.55	1.20	4.07e-02	-29.30	-105.27	-89.64	-44.92	-30.71
1	51	31	15.56	1.45	15.56	1.45	0.14	292.24	-153.84	-100.24	238.64	145.04
1	51	55	6.38	-0.36	5.72	0.29	1.99	12.54	-253.38	-197.50	-43.34	-
108.34												
1	51	67	14.52	1.02	13.51	2.03	3.55	-57.74	-641.45	-618.69	-80.49	-
112.98												
1	51	68	3.63	1.08	3.61	1.10	0.20	11.88	-156.46	-155.28	10.70	14.03
1	51	69	4.52	-0.91	3.68	-7.37e-02	1.96	34.59	-167.67	-140.05	6.97	-69.45
1	51	79	-0.59	-2.54	-2.17	-0.97	-0.77	97.47	10.31	11.68	96.10	-10.83
1	51	80	19.88	1.20	18.21	2.88	-5.34	342.39	74.43	342.28	74.54	-5.25
1	51	90	4.85	-1.52	3.24	9.35e-02	-2.77	52.25	-244.09	-194.70	2.86	-
110.45												
1	51	145	1.49	0.23	0.23	1.49	-2.62e-02	37.32	-24.82	-23.47	35.98	9.04
1	51	146	1.07	-1.39	-0.11	-0.21	1.23	49.44	-126.16	7.17	-83.90	-75.07
1	51	147	1.27	-0.38	0.39	0.51	0.82	-15.21	-56.34	-56.26	-15.29	1.71
1	52	29	0.29	-1.18	-1.18	0.28	-6.90e-02	-132.45	-181.22	-172.28	-141.39	-18.87
1	52	31	6.19	0.58	6.19	0.58	1.62e-02	229.60	-109.45	91.83	28.31	166.52

1	52	55	2.49	-0.33	2.44	-0.28	0.36	-84.54	-374.90	-360.70	-98.75	-62.63
1	52	67	3.42	0.64	3.39	0.67	0.27	-25.75	-427.15	-414.88	-38.02	69.10
1	52	68	2.34	-0.43	2.24	-0.33	-0.51	-84.19	-138.56	-99.07	-123.68	24.24
1	52	69	2.42	-0.71	2.39	-0.69	-0.28	-21.16	-94.14	-86.21	-29.09	22.72
1	52	79	-0.83	-4.98	-4.92	-0.89	0.49	83.04	-46.70	18.93	17.40	-64.87
1	52	80	10.19	0.34	9.30	1.23	-2.83	584.05	74.25	570.13	88.17	-83.09
1	52	90	3.20	-1.28	1.97	-4.56e-02	-2.00	50.15	-259.58	-124.29	-85.15	-
153.63												
1	52	145	8.55e-02	-0.28	-0.28	8.53e-02	-1.02e-02	-19.39	-106.75	-40.50	-85.64	37.40
1	52	146	-3.33e-02	-0.74	-0.41	-0.36	0.35	150.77	-139.43	54.72	-43.38	-
136.56												
1	52	147	1.75	-1.14	0.22	0.39	1.45	-34.78	-97.94	-91.04	-41.68	19.71
1	53	29	3.30	-0.27	3.30	-0.27	9.83e-02	154.01	-174.91	-172.30	151.40	29.18
1	53	31	-0.15	-4.17	-4.16	-0.16	-0.22	153.21	-844.22	-792.34	101.33	-
221.50												
1	53	55	1.08	0.28	0.33	1.03	-0.20	146.19	89.46	94.33	141.31	15.90
1	53	67	-2.53e-02	-1.21	-1.07	-0.17	-0.38	252.87	-248.94	-163.78	167.71	-
188.37												
1	53	68	0.76	-0.70	-0.58	0.64	0.40	291.75	-353.87	-352.60	290.48	-28.60
1	53	69	1.18	-0.48	-0.46	1.15	0.19	159.94	-392.34	-371.71	139.32	-
104.71												
1	53	79	6.68	1.19	6.61	1.26	-0.60	51.19	-475.59	-432.19	7.79	144.85
1	53	80	-0.61	-8.59	-7.68	-1.52	2.54	50.65	-1419.91	-1395.52	26.26	187.81
1	53	90	1.53	-2.23	-0.63	-6.56e-02	1.86	313.23	-432.79	-338.96	219.40	247.38
1	53	145	2.33e-03	-0.91	-6.82e-03	-0.91	9.12e-02	28.79	-88.96	-42.53	-17.65	-57.54
1	53	146	0.60	0.27	0.27	0.60	3.67e-02	60.40	-140.22	-139.68	59.86	10.41
1	53	147	1.46	-1.89	-0.24	-0.19	-1.67	215.52	-76.67	61.65	77.20	145.89
1	54	29	0.57	-1.18	0.57	-1.18	-1.14e-02	60.27	-260.28	-254.94	54.93	41.01
1	54	31	-1.02	-13.53	-13.53	-1.03	-0.34	-37.86	-671.40	-600.27	-109.00	-
200.02												
1	54	55	1.24	-3.75	-2.96	0.45	-1.83	107.44	-90.40	-68.87	85.91	61.61
1	54	67	-0.29	-12.42	-11.19	-1.53	-3.67	210.41	39.80	40.04	210.18	-6.29
1	54	68	-0.70	-2.03	-1.95	-0.78	-0.31	156.84	-297.13	-296.39	156.10	-18.39
1	54	69	1.74	-2.94	-1.75	0.54	-2.04	103.63	-318.24	-317.87	103.25	-12.54
1	54	79	4.02	1.18	3.86	1.34	0.67	-48.97	-446.86	-424.93	-70.91	90.81
1	54	80	-1.49	-18.27	-16.59	-3.17	5.05	49.83	-1177.60	-1167.67	39.90	109.97
1	54	90	1.72	-3.82	-1.90	-0.20	2.64	217.24	-354.39	-268.55	131.40	204.20
1	54	145	-0.51	-2.32	-0.52	-2.31	0.11	-50.02	-148.81	-59.56	-139.27	-29.18
1	54	146	1.08	-0.66	-3.59e-02	0.45	-0.84	113.10	-104.84	-92.13	100.38	-51.08
1	54	147	0.69	-1.41	-0.41	-0.31	-1.05	203.16	-125.48	26.87	50.80	163.89
1	55	29	1.26	0.12	0.12	1.25	4.26e-02	-46.06	-128.26	-113.48	-60.84	-31.57
1	55	31	16.09	1.45	16.09	1.45	0.15	315.48	-161.27	-104.48	258.69	154.43
1	55	55	2.90	-0.28	2.26	0.36	1.27	8.45	-256.61	-203.97	-44.18	-
105.74												
1	55	67	14.89	1.05	13.84	2.10	3.66	-66.85	-640.63	-618.15	-89.34	-
111.34												
1	55	68	3.62	1.19	3.62	1.19	0.12	-7.46	-145.88	-144.04	-9.31	15.87
1	55	69	4.49	-1.16	3.67	-0.34	1.98	15.82	-161.48	-137.34	-8.31	-60.80
1	55	79	-0.94	-1.86	-1.83	-0.97	-0.16	97.07	-26.58	-26.09	96.59	-7.75
1	55	80	20.74	1.27	18.98	3.03	-5.59	343.96	71.73	343.49	72.19	-11.27
1	55	90	5.24	-1.89	3.25	9.41e-02	-3.20	57.83	-272.87	-194.63	-20.42	-
140.55												
1	55	145	1.60	0.27	0.27	1.60	-1.67e-02	40.11	-26.85	-26.04	39.31	7.29
1	55	146	0.16	-0.49	-0.10	-0.22	0.32	44.10	-135.80	6.97e-03	-91.71	-77.38
1	55	147	1.19	-0.27	0.41	0.52	0.73	-17.98	-58.17	-58.02	-18.13	2.47
1	56	29	0.31	0.17	0.25	0.23	-7.10e-02	-115.60	-158.32	-148.45	-125.48	-18.01
1	56	31	5.66	0.57	5.66	0.57	2.77e-03	215.32	-110.98	96.08	8.26	157.13
1	56	55	6.09	-0.53	5.90	-0.35	1.09	-82.26	-369.87	-354.23	-97.90	-65.22
1	56	67	3.07	0.59	3.05	0.60	0.16	-17.74	-426.86	-415.42	-29.18	67.45
1	56	68	2.31	-0.49	2.24	-0.43	-0.43	-84.35	-129.63	-110.31	-103.67	22.40
1	56	69	2.43	-0.46	2.40	-0.42	-0.31	-11.26	-91.46	-88.91	-13.81	14.06
1	56	79	-0.89	-5.27	-5.26	-0.89	-0.11	107.62	-33.99	56.70	16.92	-67.95
1	56	80	9.34	0.27	8.53	1.07	-2.58	581.03	78.41	568.92	90.51	-77.06
1	56	90	2.82	-0.91	1.96	-4.62e-02	-1.57	34.30	-220.53	-124.35	-61.88	-
123.53												
1	56	145	-2.01e-02	-0.32	-0.32	-2.14e-02	-1.97e-02	-16.72	-110.18	-37.93	-88.96	39.15
1	56	146	0.88	-1.64	-0.42	-0.35	1.26	155.97	-129.65	61.88	-35.56	-
134.24												
1	56	147	1.83	-1.25	0.20	0.38	1.54	-32.51	-95.61	-89.28	-38.84	18.95
1	57	29	1.87	-0.22	1.87	-0.21	0.10	137.88	-198.54	-196.14	135.48	28.31
1	57	31	-0.14	-3.64	-3.62	-0.15	-0.20	168.02	-843.22	-796.58	121.38	-
212.11												

1	57	55	1.28	-3.33	-3.13	1.09	-0.92	146.32	82.01	87.86	140.47	18.50
1	57	67	8.16e-03	-0.84	-0.74	-9.32e-02	-0.28	244.40	-248.76	-163.23	158.86	-
186.72												
1	57	68	0.81	-0.65	-0.58	0.74	0.32	271.64	-342.52	-341.36	270.47	-26.76
1	57	69	0.92	-0.50	-0.47	0.89	0.22	142.09	-387.06	-369.01	124.03	-96.06
1	57	79	6.95	1.26	6.95	1.26	7.10e-03	50.34	-512.01	-469.95	8.28	147.93
1	57	80	-0.55	-7.74	-6.91	-1.37	2.29	46.85	-1417.24	-1394.31	23.92	181.78
1	57	90	1.12	-1.81	-0.63	-6.49e-02	1.44	273.25	-416.02	-338.89	196.13	217.28
1	57	145	4.30e-02	-0.81	3.10e-02	-0.80	0.10	31.54	-90.96	-45.10	-14.32	-59.29
1	57	146	1.31	-0.45	0.27	0.59	-0.87	52.38	-147.17	-146.84	52.05	8.09
1	57	147	1.56	-1.96	-0.22	-0.18	-1.76	213.95	-79.70	59.89	74.35	146.65
1	58	29	2.00	-1.24	2.00	-1.24	-1.33e-02	76.55	-236.81	-231.11	70.85	41.87
1	58	31	-1.02	-14.07	-14.06	-1.03	-0.35	-48.89	-676.17	-596.02	-129.04	-
209.41												
1	58	55	1.55	-0.66	0.51	0.39	-1.10	107.27	-82.92	-62.39	86.75	59.01
1	58	67	-0.33	-12.80	-11.52	-1.60	-3.78	219.38	39.14	39.49	219.03	-7.94
1	58	68	-0.83	-2.00	-1.95	-0.88	-0.24	176.95	-308.48	-307.63	176.11	-20.23
1	58	69	1.96	-2.89	-1.74	0.80	-2.07	119.56	-321.60	-320.58	118.54	-21.20
1	58	79	3.52	1.34	3.52	1.34	5.67e-02	-48.66	-409.90	-387.16	-71.39	87.72
1	58	80	-1.55	-19.13	-17.36	-3.33	5.30	53.25	-1179.88	-1168.87	42.24	115.99
1	58	90	2.12	-4.24	-1.91	-0.21	3.06	258.76	-372.71	-268.62	154.67	234.30
1	58	145	-0.55	-2.42	-0.56	-2.42	9.77e-02	-48.95	-150.63	-56.99	-142.59	-27.43
1	58	146	0.47	-4.76e-02	-3.82e-02	0.46	6.92e-02	119.81	-96.58	-84.96	108.19	-48.77
1	58	147	0.58	-1.33	-0.43	-0.32	-0.96	204.74	-122.47	28.63	53.65	163.13
1	59	29	5.39	1.73	5.38	1.74	0.19	142.05	-21.83	-18.24	138.46	-23.99
1	59	31	19.49	1.90	19.49	1.90	0.15	432.80	-577.25	-577.13	432.68	-11.04
1	59	55	9.00	-3.24e-02	7.73	1.24	3.14	210.18	-25.86	96.60	87.72	-
117.94												
1	59	67	22.01	0.97	20.14	2.84	5.99	111.99	-850.62	-698.35	-40.28	-
351.27												
1	59	68	4.43	1.93	3.77	2.59	1.10	267.50	-291.24	-290.86	267.13	-14.39
1	59	69	6.49	-1.64	3.76	1.08	3.84	199.02	-388.01	-285.77	96.78	-
222.63												
1	59	79	5.02	-1.18	4.13	-0.29	-2.18	191.28	-179.43	-145.92	157.76	106.31
1	59	80	21.07	1.56	19.40	3.24	-5.47	79.42	-587.98	-549.84	41.28	154.92
1	59	90	4.38	-0.78	3.39	0.21	-2.03	192.21	-335.97	-326.84	183.08	68.81
1	59	145	1.96	0.71	0.73	1.93	0.18	165.04	-21.71	-9.29	152.62	-46.53
1	59	146	2.17	-1.54	0.38	0.25	1.86	-27.97	-108.32	-97.91	-38.38	26.98
1	59	147	1.17	-0.41	0.36	0.41	-0.79	68.89	6.29	26.16	49.02	29.14
1	60	29	-1.29	-3.72	-3.71	-1.31	-0.18	-180.98	-295.84	-293.72	-183.10	15.46
1	60	31	-1.00	-11.75	-11.74	-1.00	-0.25	73.82	-279.12	63.10	-268.40	60.55
1	60	55	0.67	-4.56	-3.21	-0.69	-2.29	-93.62	-450.75	-447.40	-96.97	34.43
1	60	67	0.10	-15.38	-13.59	-1.69	-4.95	303.80	-221.49	-18.97	101.28	255.67
1	60	68	-3.11e-02	-2.92	-0.79	-2.15	-1.27	-98.79	-185.51	-103.48	-180.81	19.63
1	60	69	2.87	-4.37	-0.53	-0.97	-3.61	29.34	-159.07	-106.29	-23.44	84.61
1	60	79	0.71	-5.79	-5.07	-8.64e-03	2.04	-38.83	-187.46	-121.72	-104.56	-73.82
1	60	80	-1.33	-11.22	-10.28	-2.27	2.90	269.47	26.91	209.65	86.72	-
104.55												
1	60	90	7.77e-02	-1.17	-0.84	-0.25	0.55	-25.54	-176.86	-92.14	-110.26	-75.12
1	60	145	-0.94	-2.77	-0.98	-2.74	0.24	-54.43	-264.39	-66.06	-252.77	48.02
1	60	146	0.62	-1.52	-0.65	-0.25	-1.05	257.53	-100.27	60.58	96.69	-
177.99												
1	60	147	1.20	-1.39	-0.20	9.14e-03	1.29	28.32	-157.04	-89.76	-38.97	89.13
1	61	29	5.84	1.31	5.83	1.32	0.21	193.21	-50.98	-50.87	193.11	-5.15
1	61	31	13.77	1.42	13.77	1.42	5.11e-02	409.42	-774.98	-763.60	398.04	-
115.53												
1	61	55	7.05	0.36	5.98	1.43	2.46	244.05	76.51	181.03	139.53	-81.16
1	61	67	17.44	0.66	15.90	2.20	4.84	210.85	-742.13	-559.68	28.41	-
374.94												
1	61	68	3.62	1.30	2.46	2.47	1.16	348.44	-349.01	-348.19	347.61	-23.99
1	61	69	5.51	-1.61	2.47	1.43	3.52	185.36	-403.31	-351.62	133.67	-
166.60												
1	61	79	7.41	-0.27	6.76	0.38	-2.15	179.93	-341.70	-291.53	129.76	153.79
1	61	80	12.83	1.04	11.90	1.97	-3.19	67.44	-1074.76	-1035.04	27.71	209.27
1	61	90	2.39	-6.81e-02	2.17	0.14	-0.69	287.80	-414.39	-371.11	244.52	168.87
1	61	145	1.94	0.67	0.69	1.92	-0.16	173.83	-41.32	-16.97	149.48	-68.16
1	61	146	1.94	-0.95	0.50	0.49	1.44	-51.60	-174.14	-145.53	-80.20	51.83
1	61	147	1.70	-1.34	0.18	0.19	-1.52	144.21	-9.36	60.37	74.48	76.46
1	62	29	-1.71	-3.27	-3.26	-1.73	-0.16	-122.68	-332.12	-326.34	-128.45	34.29
1	62	31	-1.48	-17.47	-17.46	-1.48	-0.35	-113.21	-313.21	-123.38	-303.04	-43.94
1	62	55	0.99	-6.45	-4.96	-0.50	-2.98	-29.93	-378.19	-362.97	-45.15	71.21
1	62	67	-0.22	-19.93	-17.82	-2.33	-6.10	378.19	-88.52	119.70	169.97	232.00

1	62	68	-0.98	-3.41	-2.11	-2.28	-1.21	-98.71	-162.43	-160.81	-100.33	10.03
1	62	69	2.75	-5.19	-1.83	-0.61	-3.92	89.14	-247.84	-172.15	13.45	140.63
1	62	79	1.70	-3.48	-2.44	0.66	2.07	-127.60	-272.30	-267.34	-132.57	-26.33
1	62	80	-1.85	-19.46	-17.78	-3.53	5.18	80.24	-282.63	-275.54	73.16	-50.20
1	62	90	0.90	-3.27	-2.06	-0.32	1.90	-42.22	-143.01	-136.40	-48.83	24.94
1	62	145	-1.02	-2.76	-1.03	-2.75	-0.10	-70.00	-259.65	-73.74	-255.91	26.39
1	62	146	1.22	-1.75	-0.52	-9.14e-03	-1.47	188.47	-120.65	12.96	54.86	-
153.14												
1	62	147	0.27	-0.86	-0.38	-0.21	0.56	103.54	-172.59	-55.55	-13.50	136.46
1	63	29	5.35	1.74	5.34	1.75	0.19	139.76	-25.58	-22.16	136.33	-23.55
1	63	31	19.59	1.90	19.59	1.90	0.15	436.03	-566.62	-566.55	435.96	-8.30
1	63	55	8.93	-4.50e-02	7.66	1.22	3.13	208.75	-27.79	95.04	85.93	-
118.18												
1	63	67	22.08	0.97	20.21	2.85	6.00	110.12	-850.54	-697.25	-43.17	-
351.80												
1	63	68	4.41	1.93	3.74	2.60	1.10	265.70	-290.22	-289.93	265.41	-12.79
1	63	69	6.57	-1.76	3.74	1.07	3.95	173.70	-362.27	-283.95	95.37	-
189.33												
1	63	79	5.03	-1.19	4.13	-0.29	-2.19	190.26	-185.39	-152.14	157.01	106.70
1	63	80	21.22	1.57	19.53	3.26	-5.51	80.07	-570.10	-531.77	41.74	153.14
1	63	90	4.38	-0.81	3.36	0.20	-2.06	189.53	-335.55	-327.33	181.32	65.17
1	63	145	2.29	0.75	0.75	2.29	-3.73e-03	171.44	-22.62	-10.27	159.10	-47.36
1	63	146	2.14	-1.51	0.39	0.24	1.83	-62.07	-118.48	-99.70	-80.85	26.59
1	63	147	1.16	-0.40	0.36	0.40	-0.78	69.83	3.62	25.58	47.88	31.17
1	64	29	-1.28	-3.76	-3.75	-1.30	-0.18	-183.02	-299.84	-297.63	-185.22	15.89
1	64	31	-1.00	-11.65	-11.64	-1.00	-0.25	85.11	-276.56	73.68	-265.12	63.29
1	64	55	0.65	-4.63	-3.28	-0.70	-2.31	-95.45	-452.26	-448.96	-98.76	34.19
1	64	67	0.11	-15.30	-13.52	-1.68	-4.94	301.94	-221.42	-17.88	98.40	255.14
1	64	68	-4.97e-02	-2.92	-0.82	-2.15	-1.27	-97.27	-187.82	-102.55	-182.54	21.22
1	64	69	2.74	-4.28	-0.56	-0.98	-3.50	59.79	-189.11	-104.47	-24.85	117.91
1	64	79	0.71	-5.78	-5.07	-9.34e-03	2.03	-42.34	-190.93	-127.95	-105.32	-73.43
1	64	80	-1.31	-11.07	-10.14	-2.24	2.86	284.91	29.99	227.73	87.18	-
106.34												
1	64	90	4.40e-02	-1.17	-0.87	-0.26	0.53	-22.97	-181.69	-92.63	-112.03	-78.76
1	64	145	-0.96	-2.39	-0.97	-2.39	4.95e-02	-55.38	-257.96	-67.04	-246.29	47.19
1	64	146	0.65	-1.54	-0.64	-0.25	-1.08	234.90	-121.90	58.79	54.21	-
178.38												
1	64	147	1.21	-1.40	-0.19	4.70e-03	1.30	29.34	-159.79	-90.34	-40.11	91.17
1	65	29	5.88	1.30	5.87	1.31	0.21	195.36	-47.08	-46.95	195.23	-5.59
1	65	31	13.67	1.42	13.67	1.42	4.65e-02	406.61	-786.03	-774.18	394.77	-
118.27												
1	65	55	7.12	0.37	6.04	1.45	2.47	245.46	78.45	182.59	141.32	-80.91
1	65	67	17.37	0.66	15.83	2.19	4.82	212.56	-742.05	-560.78	31.29	-
374.41												
1	65	68	3.63	1.31	2.48	2.46	1.16	350.27	-350.06	-349.12	349.34	-25.58
1	65	69	5.43	-1.49	2.50	1.44	3.42	206.45	-424.82	-353.45	135.07	-
199.90												
1	65	79	7.41	-0.27	6.76	0.38	-2.14	180.98	-335.77	-285.30	130.51	153.40
1	65	80	12.69	1.02	11.76	1.94	-3.15	67.02	-1092.88	-1053.11	27.25	211.06
1	65	90	2.40	-4.51e-02	2.20	0.15	-0.67	291.25	-415.58	-370.61	246.28	172.52
1	65	145	1.57	0.67	0.67	1.57	3.15e-02	167.69	-40.67	-15.99	143.01	-67.33
1	65	146	1.96	-0.98	0.50	0.49	1.47	-16.32	-165.16	-143.75	-37.73	52.23
1	65	147	1.71	-1.35	0.17	0.19	-1.53	143.07	-6.50	60.95	75.62	74.43
1	66	29	-1.72	-3.24	-3.22	-1.74	-0.16	-120.65	-328.11	-322.43	-126.33	33.86
1	66	31	-1.48	-17.56	-17.56	-1.48	-0.35	-122.13	-318.14	-133.95	-306.32	-46.67
1	66	55	1.01	-6.38	-4.90	-0.48	-2.96	-28.05	-376.72	-361.41	-43.36	71.46
1	66	67	-0.22	-20.01	-17.89	-2.34	-6.12	379.83	-88.37	118.60	172.86	232.52
1	66	68	-0.96	-3.40	-2.08	-2.28	-1.21	-97.50	-162.85	-161.74	-98.61	8.43
1	66	69	2.87	-5.28	-1.80	-0.61	-4.03	63.39	-222.51	-173.97	14.86	107.33
1	66	79	1.71	-3.48	-2.43	0.66	2.08	-126.51	-266.41	-261.11	-131.81	-26.72
1	66	80	-1.86	-19.61	-17.91	-3.56	5.22	78.99	-299.91	-293.61	72.70	-48.42
1	66	90	0.93	-3.27	-2.03	-0.31	1.92	-38.66	-144.32	-135.91	-47.06	28.59
1	66	145	-1.03	-3.11	-1.04	-3.11	8.47e-02	-68.93	-266.21	-72.76	-262.38	27.22
1	66	146	1.19	-1.73	-0.53	-6.85e-03	-1.44	214.26	-102.19	14.74	97.34	-
152.74												
1	66	147	0.27	-0.85	-0.38	-0.20	0.55	102.43	-169.76	-54.97	-12.36	134.42
1	67	29	1.95	0.58	0.61	1.93	0.19	89.26	-101.55	-97.69	85.40	-26.86
1	67	31	21.27	1.91	21.27	1.91	0.19	499.89	-591.67	-591.29	499.51	20.27
1	67	55	1.54	-3.90	-3.80	1.45	0.72	189.36	-29.42	75.03	84.91	-
109.28												
1	67	67	23.25	1.08	21.25	3.08	6.35	83.51	-849.81	-696.53	-69.77	-
345.78												

1	67	68	4.30	2.41	3.78	2.92	0.84	200.58	-253.53	-253.38	200.43	-8.26
1	67	69	6.27	-2.35	3.73	0.20	3.93	136.65	-367.58	-276.75	45.82	-
193.78												
1	67	79	5.26	-0.27	5.26	-0.27	-0.15	188.88	-301.31	-271.80	159.38	116.59
1	67	80	23.93	1.78	21.97	3.74	-6.30	63.32	-575.66	-545.82	33.47	134.84
1	67	90	5.62	-1.99	3.42	0.21	-3.45	107.80	-328.91	-326.62	105.51	-31.52
1	67	145	2.32	0.83	0.86	2.29	0.22	177.72	-31.87	-17.85	163.71	-52.35
1	67	146	1.46	-0.86	0.39	0.21	-1.16	-58.55	-127.67	-121.80	-64.42	19.27
1	67	147	1.53	-0.66	0.43	0.44	-1.09	63.01	-3.18	20.30	39.54	31.67
1	68	29	1.07	-1.50	1.06	-1.49	-0.18	-126.23	-218.09	-214.27	-130.04	18.33
1	68	31	-1.01	-13.52	-13.52	-1.02	-0.30	79.33	-337.29	77.26	-335.23	29.25
1	68	55	8.33	-0.89	8.33	-0.89	0.13	-92.17	-427.81	-425.82	-94.16	25.77
1	68	67	-1.05e-02	-16.63	-14.70	-1.94	-5.32	316.39	-206.41	-20.79	130.77	250.18
1	68	68	-0.33	-2.96	-0.81	-2.48	-1.01	-108.51	-146.58	-140.97	-114.12	13.49
1	68	69	3.42	-4.00	-0.50	-8.39e-02	-3.70	46.71	-134.51	-115.32	27.52	55.76
1	68	79	-2.50e-02	-6.20	-6.20	-2.51e-02	1.11e-02	49.57	-151.59	4.16	-106.18	-84.10
1	68	80	-1.54	-14.08	-12.85	-2.78	3.73	251.18	48.98	205.63	94.53	-84.47
1	68	90	1.43	-2.55	-0.87	-0.26	1.96	-23.46	-101.59	-92.37	-32.69	25.21
1	68	145	-1.08	-3.12	-1.10	-3.10	0.21	-44.29	-277.06	-57.49	-263.86	53.84
1	68	146	1.54	-2.41	-0.65	-0.21	1.96	274.93	-67.74	84.46	122.73	-
170.27												
1	68	147	1.45	-1.75	-0.27	-2.70e-02	1.60	34.08	-147.47	-83.90	-29.49	86.60
1	69	29	1.59	0.97	1.06	1.50	0.21	140.29	-130.56	-130.32	140.05	-8.03
1	69	31	15.55	1.43	15.55	1.43	9.58e-02	470.56	-783.45	-777.77	464.87	-84.23
1	69	55	1.64	-5.56	-5.56	1.64	4.01e-02	221.47	74.71	159.46	136.72	-72.50
1	69	67	18.69	0.77	17.02	2.44	5.21	183.12	-742.06	-557.86	-1.08	-
369.45												
1	69	68	3.55	1.72	2.47	2.79	0.90	281.46	-311.24	-310.70	280.92	-17.85
1	69	69	5.23	-2.24	2.43	0.55	3.62	123.43	-383.32	-342.60	82.71	-
137.75												
1	69	79	7.89	0.40	7.89	0.40	-0.12	176.69	-462.73	-417.42	131.37	164.08
1	69	80	15.69	1.26	14.47	2.48	-4.02	52.92	-1064.03	-1031.01	19.90	189.19
1	69	90	3.51	-1.17	2.20	0.15	-2.10	175.54	-379.48	-370.88	166.94	68.54
1	69	145	2.29	0.80	0.81	2.28	-0.13	186.39	-51.36	-25.54	160.57	-73.98
1	69	146	2.06	-1.09	0.51	0.45	-1.57	-83.58	-192.09	-169.42	-106.25	44.11
1	69	147	2.06	-1.59	0.25	0.23	-1.82	138.92	-19.41	54.50	65.00	78.99
1	70	29	1.52	-1.92	1.51	-1.91	-0.16	-67.69	-254.60	-246.90	-75.40	37.16
1	70	31	-1.49	-19.24	-19.23	-1.49	-0.39	-89.05	-390.03	-109.21	-369.87	-75.24
1	70	55	6.61	-0.74	6.57	-0.70	-0.56	-29.79	-353.95	-341.39	-42.35	62.55
1	70	67	-0.33	-21.18	-18.94	-2.58	-6.46	388.82	-71.48	117.88	199.46	226.51
1	70	68	-1.38	-3.34	-2.12	-2.60	-0.95	-33.54	-198.39	-198.29	-33.63	3.90
1	70	69	3.38	-4.91	-1.80	0.27	-4.02	107.66	-224.43	-181.17	64.40	111.78
1	70	79	0.64	-3.57	-3.57	0.64	4.66e-02	-101.02	-174.61	-141.45	-134.18	-36.61
1	70	80	-2.06	-22.32	-20.35	-4.04	6.01	83.46	-282.07	-279.57	80.97	-30.12
1	70	90	2.22	-4.63	-2.08	-0.32	3.31	96.16	-204.04	-136.63	28.74	125.27
1	70	145	-1.14	-3.12	-1.15	-3.11	-0.13	-60.16	-272.01	-65.18	-266.99	32.21
1	70	146	1.32	-1.82	-0.53	2.64e-02	1.55	205.95	-88.20	36.84	80.91	-
145.42												
1	70	147	0.52	-1.22	-0.45	-0.24	0.87	109.00	-162.72	-49.69	-4.02	133.93
1	71	29	1.96	0.55	0.57	1.93	0.20	86.98	-105.31	-101.60	83.28	-26.43
1	71	31	21.37	1.91	21.36	1.91	0.20	503.28	-581.20	-580.71	502.79	23.00
1	71	55	1.52	-3.96	-3.87	1.43	0.71	187.92	-31.34	73.46	83.12	-
109.52												
1	71	67	23.33	1.09	21.32	3.09	6.37	81.67	-849.76	-695.43	-72.66	-
346.31												
1	71	68	4.28	2.40	3.76	2.92	0.84	198.81	-252.54	-252.44	198.71	-6.66
1	71	69	6.35	-2.46	3.70	0.19	4.04	111.12	-341.63	-274.93	44.42	-
160.48												
1	71	79	5.26	-0.28	5.26	-0.27	-0.16	187.99	-307.40	-278.03	158.62	116.98
1	71	80	24.08	1.79	22.10	3.77	-6.34	63.85	-557.67	-527.75	33.93	133.05
1	71	90	5.61	-2.02	3.39	0.20	-3.47	106.59	-329.96	-327.11	103.74	-35.16
1	71	145	2.64	0.87	0.87	2.64	2.78e-02	184.12	-32.77	-18.84	170.18	-53.18
1	71	146	1.49	-0.89	0.39	0.21	-1.19	-94.61	-135.87	-123.58	-106.90	18.87
1	71	147	1.52	-0.65	0.43	0.44	-1.08	64.03	-5.92	19.71	38.40	33.70
1	72	29	1.04	-1.49	1.02	-1.48	-0.18	-128.25	-222.10	-218.18	-132.17	18.77
1	72	31	-1.01	-13.42	-13.42	-1.01	-0.29	90.26	-334.38	87.84	-331.95	31.99
1	72	55	8.26	-0.91	8.26	-0.91	0.11	-94.00	-429.34	-427.38	-95.95	25.53
1	72	67	-5.85e-03	-16.55	-14.63	-1.93	-5.30	314.42	-206.23	-19.70	127.89	249.65
1	72	68	-0.36	-2.96	-0.84	-2.47	-1.01	-108.60	-147.28	-140.03	-115.84	15.09
1	72	69	3.29	-3.91	-0.53	-9.17e-02	-3.59	69.46	-156.85	-113.49	26.11	89.06
1	72	79	-2.58e-02	-6.20	-6.20	-2.58e-02	3.13e-03	44.28	-153.27	-2.06	-106.93	-83.71
1	72	80	-1.53	-13.93	-12.71	-2.75	3.69	266.96	51.73	223.70	94.99	-86.25

1	72	90	1.39	-2.55	-0.89	-0.27	1.94	-27.35	-99.96	-92.86	-34.45	21.57
1	72	145	-1.09	-2.75	-1.09	-2.75	1.80e-02	-45.23	-270.63	-58.47	-257.38	53.01
1	72	146	1.52	-2.38	-0.65	-0.21	1.94	252.13	-89.20	82.68	80.25	-
170.66												
1	72	147	1.46	-1.76	-0.26	-3.14e-02	1.60	35.08	-150.19	-84.48	-30.63	88.64
1	73	29	1.59	1.01	1.10	1.50	0.21	142.44	-126.67	-126.40	142.17	-8.46
1	73	31	15.45	1.43	15.45	1.43	9.12e-02	467.62	-794.37	-788.34	461.59	-86.96
1	73	55	1.65	-5.49	-5.49	1.65	5.37e-02	222.89	76.64	161.02	138.51	-72.25
1	73	67	18.61	0.77	16.95	2.43	5.19	184.80	-741.95	-558.96	1.80	-
368.92												
1	73	68	3.55	1.73	2.50	2.79	0.90	283.28	-312.27	-311.64	282.64	-19.45
1	73	69	5.15	-2.13	2.46	0.56	3.51	144.02	-404.33	-344.42	84.12	-
171.05												
1	73	79	7.89	0.40	7.89	0.40	-0.11	177.63	-456.69	-411.19	132.13	163.69
1	73	80	15.54	1.24	14.34	2.45	-3.98	52.55	-1082.19	-1049.09	19.44	190.97
1	73	90	3.51	-1.13	2.23	0.15	-2.08	178.21	-379.89	-370.39	168.71	72.19
1	73	145	1.93	0.80	0.80	1.92	6.30e-02	180.23	-50.69	-24.56	154.10	-73.15
1	73	146	2.02	-1.07	0.51	0.45	-1.55	-47.31	-184.10	-167.63	-63.77	44.51
1	73	147	2.07	-1.60	0.24	0.23	-1.83	137.77	-16.54	55.09	66.14	76.96
1	74	29	1.56	-1.92	1.55	-1.92	-0.17	-65.66	-250.59	-242.98	-73.27	36.73
1	74	31	-1.49	-19.34	-19.33	-1.50	-0.40	-97.71	-395.22	-119.79	-373.15	-77.98
1	74	55	6.68	-0.73	6.64	-0.69	-0.54	-27.91	-352.48	-339.83	-40.55	62.80
1	74	67	-0.34	-21.26	-19.01	-2.59	-6.48	390.59	-71.47	116.78	202.35	227.03
1	74	68	-1.37	-3.34	-2.09	-2.61	-0.95	-31.88	-199.26	-199.23	-31.91	2.30
1	74	69	3.50	-4.99	-1.77	0.28	-4.12	88.50	-205.68	-182.99	65.81	78.48
1	74	79	0.64	-3.57	-3.56	0.64	5.46e-02	-97.31	-171.34	-135.22	-133.43	-37.01
1	74	80	-2.08	-22.47	-20.48	-4.07	6.05	82.62	-299.75	-297.64	80.51	-28.33
1	74	90	2.26	-4.63	-2.06	-0.31	3.33	100.68	-206.31	-136.14	30.51	128.91
1	74	145	-1.16	-3.46	-1.16	-3.46	5.32e-02	-59.10	-278.56	-64.19	-273.47	33.04
1	74	146	1.35	-1.86	-0.53	2.87e-02	1.58	232.09	-70.08	38.62	123.38	-
145.02												
1	74	147	0.52	-1.21	-0.45	-0.24	0.86	107.91	-159.89	-49.11	-2.88	131.89
1	75	29	1.57	0.97	1.57	0.97	3.22e-02	-21.20	-101.97	-92.72	-30.46	-25.72
1	75	31	12.77	1.23	12.77	1.23	8.21e-02	228.16	-201.93	-173.07	199.31	107.60
1	75	55	5.70	-0.19	5.16	0.35	1.70	16.38	-225.64	-182.04	-27.21	-93.01
1	75	67	11.98	0.89	11.18	1.70	2.88	-27.90	-584.39	-564.95	-47.34	-
102.18												
1	75	68	3.22	0.91	3.21	0.92	0.16	28.12	-170.29	-170.06	27.89	6.75
1	75	69	3.75	-0.46	3.29	4.15e-04	1.32	109.79	-251.14	-160.49	19.14	-
156.53												
1	75	79	-0.44	-1.97	-1.64	-0.77	-0.63	83.94	-8.24	-8.13	83.83	-3.24
1	75	80	16.16	0.93	14.82	2.27	-4.32	162.42	69.32	161.41	70.33	9.64
1	75	90	4.12	-1.15	2.87	9.25e-02	-2.24	41.06	-221.89	-199.66	18.83	-73.15
1	75	145	0.66	-0.35	0.13	0.18	0.50	5.20	-26.04	-23.78	2.94	8.10
1	75	146	1.00	-1.26	-0.12	-0.15	1.13	101.92	-48.91	3.76	49.25	-71.90
1	75	147	1.02	-0.26	0.31	0.45	0.63	-4.18	-49.69	-47.45	-6.42	9.85
1	76	29	0.21	-0.69	-0.69	0.21	-5.86e-02	-105.63	-165.61	-161.02	-110.22	-15.95
1	76	31	5.02	0.51	5.02	0.51	-1.66e-02	132.53	-121.27	-14.22	25.48	125.34
1	76	55	2.50	-0.18	2.45	-0.13	0.35	-61.09	-328.84	-316.91	-73.01	-55.24
1	76	67	2.83	0.56	2.81	0.57	0.16	-6.24	-402.45	-396.47	-12.22	48.30
1	76	68	2.15	-0.34	2.08	-0.26	-0.43	-78.13	-128.62	-123.55	-83.20	15.18
1	76	69	2.33	-0.61	2.23	-0.51	-0.53	32.71	-159.35	-115.94	-10.70	-80.33
1	76	79	-0.65	-3.98	-3.92	-0.70	0.42	57.36	-40.73	-2.14	18.77	-47.92
1	76	80	8.16	0.21	7.46	0.91	-2.24	360.57	70.90	349.84	81.63	-54.69
1	76	90	2.75	-0.95	1.82	-2.27e-02	-1.60	19.65	-215.01	-141.43	-53.92	-
108.87												
1	76	145	-1.24e-02	-1.25	-0.29	-0.98	0.52	-24.26	-111.14	-37.83	-97.57	31.55
1	76	146	8.98e-02	-0.73	-0.37	-0.27	0.41	187.22	-61.40	43.07	82.75	-
122.72												
1	76	147	1.41	-0.90	0.17	0.35	1.15	-17.74	-86.69	-76.19	-28.24	24.77
1	77	29	2.81	-0.20	2.81	-0.19	8.79e-02	122.48	-185.81	-183.56	120.23	26.25
1	77	31	-8.08e-02	-3.00	-2.99	-9.23e-02	-0.18	143.35	-725.47	-686.28	104.16	-
180.32												
1	77	55	0.93	0.26	0.32	0.87	-0.19	116.67	49.45	50.54	115.58	8.51
1	77	67	6.78e-02	-0.63	-0.50	-6.71e-02	-0.28	212.97	-253.24	-182.18	141.91	-
167.57												
1	77	68	0.67	-0.51	-0.41	0.57	0.32	250.66	-328.78	-328.12	250.00	-19.54
1	77	69	1.12	-0.43	-0.29	0.97	0.45	120.93	-341.99	-341.98	120.93	-1.67
1	77	79	5.67	1.01	5.61	1.07	-0.53	42.49	-447.17	-411.11	6.43	127.90
1	77	80	-0.49	-6.56	-5.84	-1.20	1.96	53.49	-1195.91	-1175.23	32.81	159.41
1	77	90	1.19	-1.77	-0.49	-8.84e-02	1.46	258.88	-392.52	-321.82	188.18	202.62
1	77	145	0.52	-0.37	-6.01e-05	0.16	-0.44	29.87	-80.79	-45.20	-5.72	-51.69

1	77	146	0.51	0.23	0.23	0.51	-1.90e-02	-66.07	-128.22	-128.03	-66.26	-3.43
1	77	147	1.21	-1.55	-0.19	-0.15	-1.38	196.35	-85.80	46.80	63.75	140.82
1	78	29	0.55	-0.95	0.55	-0.95	-2.86e-03	44.84	-256.24	-251.86	40.46	36.03
1	78	31	-0.80	-10.74	-10.73	-0.81	-0.28	-17.80	-579.30	-527.43	-69.67	-
162.58												
1	78	55	1.07	-3.07	-2.40	0.40	-1.53	82.61	-97.16	-84.33	69.78	46.28
1	78	67	-0.16	-9.89	-8.86	-1.19	-2.99	178.55	-15.23	-13.71	177.03	-17.09
1	78	68	-0.53	-1.62	-1.55	-0.60	-0.27	139.20	-281.90	-281.61	138.91	-11.11
1	78	69	1.22	-2.12	-1.36	0.47	-1.40	104.89	-311.23	-297.43	91.08	74.53
1	78	79	3.45	1.03	3.33	1.14	0.52	-39.68	-424.08	-405.13	-58.63	83.22
1	78	80	-1.21	-14.56	-13.20	-2.57	4.03	52.80	-995.49	-986.80	44.10	95.08
1	78	90	1.34	-3.08	-1.54	-0.20	2.10	178.45	-326.61	-263.59	115.43	166.91
1	78	145	-0.20	-1.23	-0.42	-1.01	-0.42	-46.01	-119.47	-59.25	-106.22	-28.24
1	78	146	0.95	-0.59	-2.44e-02	0.39	-0.74	0.30	-121.78	-88.72	-32.76	-54.25
1	78	147	0.57	-1.15	-0.33	-0.25	-0.86	186.20	-126.21	18.06	41.93	155.75
1	79	29	1.01	0.38	0.39	1.01	3.37e-02	-34.65	-121.43	-112.45	-43.63	-26.44
1	79	31	13.21	1.23	13.21	1.23	9.32e-02	247.27	-207.97	-176.58	215.88	115.36
1	79	55	2.80	-0.10	2.30	0.40	1.10	13.24	-228.54	-187.39	-27.91	-90.86
1	79	67	12.29	0.92	11.45	1.76	2.97	-35.43	-583.71	-564.50	-54.65	-
100.82												
1	79	68	3.22	0.99	3.21	1.00	9.19e-02	11.72	-161.14	-160.75	11.32	8.27
1	79	69	3.74	-0.67	3.29	-0.22	1.34	94.69	-246.47	-158.26	6.48	-
149.38												
1	79	79	-0.74	-1.38	-1.36	-0.77	-0.12	84.24	-39.41	-39.41	84.23	-0.70
1	79	80	16.87	0.98	15.46	2.40	-4.53	162.64	68.17	162.41	68.40	4.66
1	79	90	4.43	-1.46	2.88	9.30e-02	-2.59	39.74	-239.77	-199.60	-0.43	-98.04
1	79	145	0.73	-0.30	0.17	0.27	0.51	7.03	-27.24	-25.90	5.68	6.65
1	79	146	0.25	-0.52	-0.12	-0.16	0.38	97.48	-56.85	-2.16	42.79	-73.82
1	79	147	0.95	-0.17	0.32	0.46	0.56	-6.20	-51.47	-48.90	-8.77	10.47
1	80	29	0.51	0.16	0.50	0.17	-6.01e-02	-92.31	-146.03	-141.29	-97.05	-15.24
1	80	31	4.58	0.51	4.58	0.51	-2.77e-02	117.09	-118.89	-10.72	8.91	117.58
1	80	55	5.47	-0.34	5.31	-0.18	0.95	-59.26	-324.61	-311.56	-72.32	-57.38
1	80	67	2.54	0.51	2.54	0.51	7.31e-02	0.63	-402.46	-396.92	-4.91	46.94
1	80	68	2.13	-0.40	2.07	-0.34	-0.37	-63.93	-135.57	-132.86	-66.64	13.65
1	80	69	2.35	-0.41	2.24	-0.29	-0.55	48.01	-164.22	-118.17	1.97	-87.48
1	80	79	-0.70	-4.20	-4.20	-0.70	-8.12e-02	74.50	-27.00	29.14	18.37	-50.47
1	80	80	7.45	0.16	6.82	0.78	-2.04	357.85	74.55	348.84	83.56	-49.71
1	80	90	2.45	-0.66	1.82	-2.32e-02	-1.25	11.44	-187.60	-141.49	-34.67	-83.97
1	80	145	-6.22e-02	-1.32	-0.32	-1.06	0.51	-21.84	-114.19	-35.71	-100.32	32.99
1	80	146	0.84	-1.48	-0.37	-0.26	1.16	191.57	-53.37	48.99	89.20	-
120.81												
1	80	147	1.48	-0.98	0.15	0.34	1.23	-15.96	-84.66	-74.74	-25.89	24.15
1	81	29	1.63	-0.15	1.62	-0.15	8.94e-02	109.14	-205.38	-203.29	107.05	25.54
1	81	31	-7.75e-02	-2.56	-2.55	-8.95e-02	-0.17	155.94	-724.99	-689.79	120.73	-
172.56												
1	81	55	1.09	-2.71	-2.54	0.92	-0.79	116.47	43.60	45.19	114.88	10.66
1	81	67	0.10	-0.33	-0.22	-6.84e-03	-0.19	205.87	-253.01	-181.73	134.60	-
166.21												
1	81	68	0.71	-0.47	-0.41	0.65	0.26	234.02	-319.40	-318.81	233.44	-18.01
1	81	69	0.93	-0.48	-0.30	0.75	0.47	108.33	-339.81	-339.75	108.26	5.48
1	81	79	5.89	1.08	5.89	1.08	-2.65e-02	41.96	-477.52	-442.39	6.83	130.44
1	81	80	-0.44	-5.85	-5.20	-1.08	1.75	50.35	-1193.70	-1174.23	30.87	154.43
1	81	90	0.85	-1.42	-0.48	-8.79e-02	1.11	226.53	-379.37	-321.76	168.92	177.73
1	81	145	0.58	-0.30	3.11e-02	0.24	-0.43	32.43	-82.72	-47.32	-2.97	-53.13
1	81	146	1.15	-0.41	0.23	0.50	-0.77	-72.25	-134.41	-133.95	-72.72	-5.35
1	81	147	1.30	-1.61	-0.17	-0.14	-1.45	195.04	-88.29	45.35	61.40	141.44
1	82	29	1.74	-0.99	1.74	-0.99	-4.44e-03	58.29	-236.78	-232.13	53.64	36.74
1	82	31	-0.81	-11.18	-11.17	-0.82	-0.29	-27.76	-582.40	-523.93	-86.23	-
170.34												
1	82	55	1.34	-0.53	0.47	0.34	-0.93	82.54	-91.04	-78.98	70.48	44.14
1	82	67	-0.19	-10.20	-9.14	-1.25	-3.08	186.04	-15.86	-14.16	184.34	-18.46
1	82	68	-0.64	-1.59	-1.55	-0.68	-0.20	155.83	-291.28	-290.92	155.48	-12.63
1	82	69	1.42	-2.08	-1.35	0.68	-1.42	114.71	-310.62	-299.66	103.75	67.38
1	82	79	3.05	1.14	3.05	1.14	1.44e-02	-39.57	-393.32	-373.85	-59.04	80.67
1	82	80	-1.26	-15.27	-13.84	-2.69	4.24	55.63	-997.39	-987.80	46.03	100.06
1	82	90	1.67	-3.42	-1.54	-0.20	2.45	212.02	-340.98	-263.65	134.68	191.80
1	82	145	-0.24	-1.31	-0.46	-1.09	-0.43	-45.77	-120.33	-57.13	-108.97	-26.80
1	82	146	0.40	-2.64e-02	-2.63e-02	0.40	7.75e-03	4.92	-114.02	-82.80	-26.31	-52.34
1	82	147	0.49	-1.09	-0.35	-0.26	-0.79	187.52	-123.72	19.51	44.28	155.13
1	83	29	1.47	0.99	1.47	0.99	3.62e-02	-28.30	-111.53	-103.53	-36.30	-24.52
1	83	31	13.04	1.23	13.04	1.23	9.47e-02	242.62	-178.24	-143.96	208.33	115.13
1	83	55	5.51	-0.22	4.98	0.31	1.66	12.08	-230.57	-186.34	-32.14	-93.68

1	83	67	12.19	0.90	11.37	1.72	2.93	-34.91	-582.33	-561.96	-55.29	-
103.63												
1	83	68	3.15	0.92	3.13	0.93	0.16	23.82	-168.15	-167.50	23.17	11.15
1	83	69	3.88	-0.69	3.22	-2.12e-02	1.61	36.92	-177.13	-155.49	15.27	-64.53
1	83	79	-0.43	-1.99	-1.65	-0.77	-0.65	81.79	-25.38	-25.34	81.74	-2.16
1	83	80	16.57	0.97	15.19	2.35	-4.44	211.35	71.43	211.19	71.59	4.73
1	83	90	4.11	-1.25	2.80	6.82e-02	-2.30	42.40	-229.46	-201.04	13.97	-83.18
1	83	145	1.16	0.16	0.16	1.16	-1.49e-02	21.49	-27.20	-26.50	20.78	5.81
1	83	146	0.92	-1.18	-0.10	-0.16	1.05	45.68	-114.89	-1.17	-68.03	-72.99
1	83	147	1.04	-0.28	0.32	0.44	0.66	-4.22	-54.40	-49.06	-9.56	15.47
1	84	29	0.24	-0.79	-0.79	0.24	-5.45e-02	-112.40	-175.50	-171.84	-116.06	-14.75
1	84	31	5.29	0.51	5.29	0.51	-3.92e-03	157.93	-108.53	14.89	34.50	132.87
1	84	55	2.30	-0.21	2.26	-0.17	0.31	-65.71	-333.44	-321.21	-77.94	-55.91
1	84	67	3.03	0.58	3.01	0.60	0.21	-14.38	-399.27	-393.48	-20.17	46.85
1	84	68	2.08	-0.32	2.00	-0.24	-0.43	-78.83	-130.08	-120.99	-87.93	19.58
1	84	69	2.17	-0.55	2.15	-0.53	-0.24	-13.18	-112.32	-110.93	-14.57	11.66
1	84	79	-0.65	-3.98	-3.93	-0.70	0.40	48.84	-51.51	-19.35	16.68	-46.83
1	84	80	8.57	0.25	7.83	0.99	-2.36	410.47	72.05	399.62	82.89	-59.60
1	84	90	2.74	-1.04	1.75	-4.70e-02	-1.66	25.31	-226.90	-142.82	-58.78	-
118.90												
1	84	145	5.66e-04	-0.26	-0.26	5.56e-04	-1.66e-03	-24.93	-95.35	-40.55	-79.72	29.26
1	84	146	1.28e-02	-0.65	-0.35	-0.28	0.33	130.84	-127.23	38.15	-34.53	-
123.81												
1	84	147	1.44	-0.92	0.18	0.34	1.18	-16.34	-92.83	-77.80	-31.38	30.40
1	85	29	2.91	-0.22	2.91	-0.22	8.38e-02	128.16	-174.84	-172.75	126.07	25.05
1	85	31	-8.27e-02	-3.27	-3.26	-9.47e-02	-0.20	136.56	-756.81	-715.39	95.14	-
187.85												
1	85	55	0.96	0.46	0.51	0.91	-0.15	121.77	53.58	54.84	120.51	9.18
1	85	67	5.11e-02	-0.83	-0.69	-9.36e-02	-0.33	218.26	-253.58	-185.17	149.86	-
166.12												
1	85	68	0.66	-0.44	-0.34	0.56	0.32	255.70	-331.66	-330.68	254.73	-23.94
1	85	69	1.01	-0.23	-0.22	1.00	0.15	142.71	-364.90	-346.99	124.80	-93.66
1	85	79	5.67	1.02	5.62	1.07	-0.51	45.14	-430.53	-393.90	8.51	126.81
1	85	80	-0.53	-6.97	-6.21	-1.28	2.07	52.68	-1246.14	-1225.01	31.54	164.32
1	85	90	1.30	-1.77	-0.41	-6.41e-02	1.53	269.67	-397.06	-320.43	193.03	212.65
1	85	145	-2.17e-02	-0.83	-3.02e-02	-0.82	8.26e-02	17.28	-83.32	-42.48	-23.56	-49.40
1	85	146	0.53	0.20	0.21	0.52	6.28e-02	51.05	-123.13	-123.10	51.02	-2.34
1	85	147	1.23	-1.58	-0.20	-0.14	-1.40	193.16	-77.86	48.40	66.89	135.19
1	86	29	0.66	-0.97	0.66	-0.97	-6.91e-03	50.46	-245.21	-241.05	46.30	34.83
1	86	31	-0.81	-11.01	-11.01	-0.82	-0.29	-24.32	-610.92	-556.55	-78.69	-
170.11												
1	86	55	1.11	-2.88	-2.21	0.44	-1.50	87.84	-93.16	-80.03	74.71	46.95
1	86	67	-0.18	-10.09	-9.05	-1.22	-3.04	186.18	-17.90	-16.70	184.98	-15.64
1	86	68	-0.54	-1.55	-1.47	-0.62	-0.27	144.19	-284.73	-284.17	143.63	-15.51
1	86	69	1.52	-2.31	-1.28	0.49	-1.70	95.72	-303.20	-302.43	94.96	-17.46
1	86	79	3.46	1.02	3.34	1.14	0.54	-37.31	-407.16	-387.92	-56.55	82.13
1	86	80	-1.25	-14.97	-13.57	-2.65	4.15	52.02	-1045.76	-1036.57	42.84	99.99
1	86	90	1.44	-3.08	-1.46	-0.18	2.17	189.57	-331.50	-262.21	120.28	176.94
1	86	145	-0.45	-1.99	-0.45	-1.98	9.58e-02	-47.71	-132.89	-56.54	-124.07	-25.95
1	86	146	0.87	-0.52	-4.17e-02	0.39	-0.66	99.90	-99.17	-83.79	84.52	-53.16
1	86	147	0.60	-1.18	-0.34	-0.24	-0.89	183.02	-118.29	19.67	45.07	150.12
1	87	29	1.04	0.28	0.28	1.04	3.78e-02	-41.67	-131.07	-123.26	-49.47	-25.24
1	87	31	13.48	1.24	13.48	1.24	0.11	261.80	-184.36	-147.46	224.90	122.89
1	87	55	2.62	-0.14	2.11	0.36	1.06	8.92	-233.45	-191.69	-32.84	-91.53
1	87	67	12.50	0.93	11.65	1.78	3.02	-42.44	-581.66	-561.51	-62.59	-
102.27												
1	87	68	3.14	1.01	3.14	1.01	9.35e-02	7.57	-159.16	-158.19	6.60	12.67
1	87	69	3.86	-0.89	3.21	-0.24	1.63	21.46	-172.10	-153.25	2.61	-57.38
1	87	79	-0.73	-1.40	-1.37	-0.77	-0.14	82.14	-56.62	-56.62	82.14	0.39
1	87	80	17.28	1.02	15.83	2.48	-4.64	212.19	69.66	212.19	69.66	-0.25
1	87	90	4.42	-1.55	2.80	6.87e-02	-2.65	42.66	-248.93	-200.99	-5.28	-
108.07												
1	87	145	1.25	0.20	0.20	1.25	-7.04e-03	23.90	-28.98	-28.62	23.53	4.37
1	87	146	0.17	-0.43	-9.84e-02	-0.16	0.30	41.35	-122.93	-7.09	-74.49	-74.91
1	87	147	0.98	-0.20	0.34	0.45	0.58	-6.08	-56.34	-50.51	-11.91	16.09
1	88	29	0.41	0.18	0.39	0.19	-5.61e-02	-99.16	-155.83	-152.11	-102.89	-14.04
1	88	31	4.85	0.51	4.85	0.51	-1.50e-02	143.28	-106.94	18.40	17.93	125.11
1	88	55	5.28	-0.37	5.12	-0.22	0.92	-63.87	-329.23	-315.86	-77.25	-58.05
1	88	67	2.74	0.53	2.73	0.54	0.12	-7.50	-399.28	-393.93	-12.86	45.49
1	88	68	2.05	-0.38	2.00	-0.33	-0.37	-66.27	-135.39	-130.30	-71.36	18.06
1	88	69	2.19	-0.34	2.16	-0.31	-0.26	-1.72	-113.35	-113.17	-1.90	4.52
1	88	79	-0.70	-4.21	-4.21	-0.71	-0.10	63.53	-35.32	11.93	16.28	-49.38

1	88	80	7.86	0.20	7.19	0.86	-2.15	407.86	75.59	398.62	84.82	-54.62
1	88	90	2.44	-0.74	1.74	-4.75e-02	-1.31	16.07	-198.47	-142.87	-39.52	-94.00
1	88	145	-8.70e-02	-0.29	-0.29	-8.74e-02	-9.47e-03	-22.67	-98.24	-38.43	-82.47	30.70
1	88	146	0.76	-1.39	-0.36	-0.27	1.08	135.12	-119.13	44.07	-28.08	-
121.90												
1	88	147	1.50	-1.01	0.16	0.33	1.25	-14.65	-90.72	-76.34	-29.03	29.78
1	89	29	1.73	-0.18	1.73	-0.17	8.54e-02	114.82	-194.41	-192.48	112.89	24.34
1	89	31	-7.95e-02	-2.83	-2.82	-9.19e-02	-0.18	149.07	-756.26	-718.90	111.71	-
180.09												
1	89	55	1.13	-2.52	-2.36	0.97	-0.75	121.59	47.71	49.49	119.81	11.33
1	89	67	8.07e-02	-0.53	-0.41	-3.34e-02	-0.24	211.12	-253.30	-184.72	142.55	-
164.76												
1	89	68	0.70	-0.40	-0.34	0.64	0.25	239.05	-322.27	-321.37	238.16	-22.42
1	89	69	0.81	-0.25	-0.22	0.78	0.17	127.96	-360.58	-344.75	112.13	-86.51
1	89	79	5.90	1.08	5.90	1.08	-4.15e-03	44.54	-460.80	-425.18	8.92	129.35
1	89	80	-0.48	-6.26	-5.57	-1.16	1.87	49.55	-1243.94	-1224.00	29.61	159.34
1	89	90	0.95	-1.42	-0.41	-6.36e-02	1.18	237.02	-383.62	-320.38	173.78	187.76
1	89	145	1.19e-02	-0.74	9.77e-04	-0.73	9.04e-02	19.51	-84.93	-44.60	-20.81	-50.85
1	89	146	1.06	-0.34	0.21	0.51	-0.69	44.66	-129.13	-129.02	44.56	-4.26
1	89	147	1.32	-1.64	-0.19	-0.13	-1.48	191.85	-80.35	46.95	64.54	135.81
1	90	29	1.84	-1.02	1.84	-1.02	-8.49e-03	63.91	-225.75	-221.32	59.48	35.54
1	90	31	-0.81	-11.46	-11.45	-0.82	-0.31	-34.27	-614.02	-553.04	-95.26	-
177.86												
1	90	55	1.43	-0.39	0.65	0.39	-0.90	87.76	-87.04	-74.68	75.41	44.81
1	90	67	-0.20	-10.40	-9.33	-1.28	-3.13	193.65	-18.52	-17.15	192.28	-17.01
1	90	68	-0.65	-1.53	-1.48	-0.70	-0.20	160.84	-294.12	-293.48	160.20	-17.03
1	90	69	1.70	-2.27	-1.27	0.71	-1.72	109.08	-306.13	-304.67	107.62	-24.61
1	90	79	3.06	1.14	3.06	1.14	3.67e-02	-37.12	-376.46	-356.64	-56.95	79.58
1	90	80	-1.30	-15.68	-14.21	-2.77	4.35	54.86	-1047.66	-1037.58	44.77	104.97
1	90	90	1.77	-3.42	-1.47	-0.18	2.52	223.41	-346.13	-262.26	139.54	201.83
1	90	145	-0.48	-2.07	-0.49	-2.07	8.80e-02	-46.90	-134.33	-54.41	-126.82	-24.51
1	90	146	0.42	-6.08e-02	-4.35e-02	0.40	8.95e-02	105.31	-92.20	-77.87	90.97	-51.25
1	90	147	0.51	-1.12	-0.36	-0.25	-0.81	184.35	-115.81	21.12	47.42	149.50
1	91	29	4.64	1.44	4.63	1.44	0.16	117.55	-47.04	-44.83	115.35	-18.94
1	91	31	16.29	1.61	16.29	1.61	0.10	369.02	-538.23	-538.01	368.81	-13.87
1	91	55	7.67	5.32e-02	6.64	1.09	2.61	168.46	-35.56	56.71	76.19	-
101.55												
1	91	67	18.37	0.86	16.85	2.39	4.94	101.83	-751.44	-627.54	-22.08	-
300.62												
1	91	68	3.77	1.66	3.26	2.17	0.90	235.54	-279.94	-279.65	235.25	-12.28
1	91	69	5.49	-1.27	3.28	0.93	3.17	171.33	-357.74	-275.99	89.58	-
191.22												
1	91	79	4.29	-0.94	3.56	-0.20	-1.81	160.97	-184.48	-156.15	132.64	94.77
1	91	80	17.56	1.26	16.17	2.65	-4.54	75.27	-557.51	-526.25	44.02	137.12
1	91	90	3.72	-0.64	2.92	0.16	-1.69	171.76	-319.12	-310.34	162.98	65.04
1	91	145	1.55	0.56	0.58	1.53	0.16	128.43	-26.14	-14.88	117.16	-40.18
1	91	146	1.83	-1.31	0.30	0.22	1.57	-28.12	-90.38	-88.23	-30.27	11.35
1	91	147	1.00	-0.35	0.29	0.35	-0.67	71.53	-8.86	19.07	43.60	38.28
1	92	29	-1.07	-2.90	-2.88	-1.08	-0.14	-149.04	-274.01	-272.50	-150.55	13.65
1	92	31	-0.79	-9.53	-9.53	-0.79	-0.22	1.15	-220.30	-8.53	-210.62	45.27
1	92	55	0.65	-3.57	-2.42	-0.50	-1.88	-74.60	-394.72	-392.85	-76.47	24.36
1	92	67	0.15	-12.54	-11.03	-1.36	-4.11	231.00	-201.96	-65.95	94.99	200.97
1	92	68	9.76e-02	-2.36	-0.51	-1.75	-1.06	-113.19	-146.49	-124.60	-135.08	15.81
1	92	69	2.49	-3.52	-0.27	-0.76	-2.99	17.32	-154.69	-127.48	-9.89	62.77
1	92	79	0.63	-4.65	-4.05	2.44e-02	1.68	-50.16	-170.27	-136.21	-84.22	-54.14
1	92	80	-1.12	-9.13	-8.35	-1.90	2.37	169.75	13.78	101.86	81.67	-77.33
1	92	90	8.03e-02	-0.88	-0.58	-0.22	0.44	-40.84	-154.95	-116.26	-79.53	-54.02
1	92	145	-0.81	-2.37	-0.83	-2.34	0.20	-52.98	-226.60	-61.73	-217.85	37.98
1	92	146	0.49	-1.22	-0.55	-0.18	-0.84	221.32	-97.11	42.82	81.40	-
158.04												
1	92	147	0.98	-1.12	-0.17	2.44e-02	1.05	38.25	-144.12	-76.73	-29.14	88.03
1	93	29	5.01	1.09	5.01	1.10	0.17	160.60	-72.13	-72.08	160.55	-3.34
1	93	31	11.56	1.21	11.56	1.21	2.49e-02	349.91	-701.62	-691.98	340.27	-
100.24												
1	93	55	6.06	0.38	5.18	1.25	2.05	193.95	51.57	126.49	119.03	-71.09
1	93	67	14.60	0.61	13.35	1.86	3.99	182.26	-660.27	-512.71	34.70	-
320.24												
1	93	68	3.07	1.17	2.17	2.07	0.95	302.53	-327.72	-327.07	301.88	-20.17
1	93	69	4.66	-1.23	2.21	1.23	2.91	162.62	-372.94	-330.44	120.12	-
144.76												
1	93	79	6.27	-0.19	5.74	0.35	-1.78	151.40	-319.03	-277.05	109.42	134.12
1	93	80	10.75	0.83	9.98	1.61	-2.66	66.12	-960.61	-927.24	32.76	182.05

1	93	90	2.08	-6.19e-02	1.91	0.11	-0.58	250.34	-383.55	-346.99	213.79	147.77
1	93	145	1.53	0.53	0.54	1.52	-0.12	136.04	-42.77	-21.30	114.57	-58.12
1	93	146	1.64	-0.81	0.41	0.42	1.23	-51.57	-141.12	-127.77	-64.92	31.89
1	93	147	1.44	-1.12	0.14	0.17	-1.28	134.05	-22.05	47.34	64.65	77.57
1	94	29	-1.41	-2.53	-2.51	-1.43	-0.13	-101.04	-304.06	-299.75	-105.34	29.24
1	94	31	-1.18	-14.26	-14.25	-1.19	-0.30	-144.62	-257.04	-162.49	-239.17	-41.11
1	94	55	0.91	-5.12	-3.87	-0.35	-2.45	-23.59	-333.11	-323.08	-33.63	54.82
1	94	67	-0.11	-16.30	-14.53	-1.88	-5.05	288.83	-88.18	48.88	151.77	181.35
1	94	68	-0.71	-2.75	-1.60	-1.86	-1.01	-67.84	-172.62	-172.02	-68.45	7.92
1	94	69	2.37	-4.19	-1.35	-0.47	-3.25	68.32	-229.60	-181.93	20.65	109.23
1	94	79	1.45	-2.75	-1.87	0.58	1.71	-106.00	-258.55	-257.10	-107.45	-14.80
1	94	80	-1.55	-15.95	-14.55	-2.95	4.26	73.23	-301.95	-299.13	70.42	-32.40
1	94	90	0.76	-2.62	-1.58	-0.27	1.56	-22.41	-159.22	-152.91	-28.73	28.72
1	94	145	-0.87	-2.35	-0.87	-2.35	-7.86e-02	-65.56	-223.04	-68.15	-220.45	20.04
1	94	146	0.99	-1.42	-0.44	1.28e-02	-1.18	164.22	-114.20	3.28	46.75	-
137.50												
1	94	147	0.22	-0.69	-0.32	-0.16	0.44	100.64	-157.18	-48.46	-8.08	127.32
1	95	29	4.61	1.44	4.60	1.45	0.16	115.70	-50.18	-48.08	113.59	-18.58
1	95	31	16.37	1.61	16.37	1.61	0.11	371.67	-529.43	-529.28	371.52	-11.61
1	95	55	7.62	4.27e-02	6.58	1.08	2.60	167.27	-37.14	55.42	74.71	-
101.75												
1	95	67	18.44	0.87	16.91	2.40	4.95	100.23	-751.33	-626.64	-24.46	-
301.06												
1	95	68	3.75	1.66	3.24	2.18	0.90	234.06	-279.12	-278.88	233.83	-10.96
1	95	69	5.55	-1.36	3.26	0.93	3.26	151.30	-337.37	-274.49	88.42	-
163.62												
1	95	79	4.30	-0.94	3.56	-0.21	-1.82	160.15	-189.45	-161.32	132.01	95.10
1	95	80	17.68	1.28	16.28	2.67	-4.58	75.74	-542.66	-511.32	44.40	135.64
1	95	90	3.72	-0.67	2.90	0.16	-1.71	169.54	-318.77	-310.76	161.53	62.03
1	95	145	1.82	0.59	0.59	1.82	3.84e-03	133.70	-26.87	-15.69	122.52	-40.87
1	95	146	1.81	-1.28	0.31	0.22	1.55	-61.19	-93.97	-89.71	-65.45	11.02
1	95	147	0.99	-0.34	0.30	0.35	-0.67	72.36	-11.12	18.58	42.66	39.96
1	96	29	-1.06	-2.93	-2.92	-1.07	-0.14	-150.73	-277.31	-275.75	-152.30	14.01
1	96	31	-0.79	-9.45	-9.45	-0.79	-0.22	10.55	-218.25	0.21	-207.92	47.52
1	96	55	0.64	-3.62	-2.47	-0.52	-1.89	-76.11	-395.98	-394.14	-77.95	24.16
1	96	67	0.16	-12.47	-10.97	-1.35	-4.09	229.25	-201.69	-65.05	92.61	200.53
1	96	68	8.19e-02	-2.36	-0.53	-1.75	-1.06	-111.91	-148.42	-123.83	-136.50	17.13
1	96	69	2.38	-3.44	-0.29	-0.77	-2.90	38.58	-175.60	-125.98	-11.05	90.37
1	96	79	0.62	-4.64	-4.05	2.40e-02	1.67	-52.33	-173.89	-141.37	-84.85	-53.81
1	96	80	-1.11	-9.01	-8.24	-1.88	2.34	180.11	18.73	116.79	82.05	-78.80
1	96	90	5.07e-02	-0.88	-0.60	-0.23	0.43	-39.08	-158.58	-116.67	-80.99	-57.03
1	96	145	-0.82	-2.05	-0.82	-2.05	4.79e-02	-53.78	-221.26	-62.54	-212.50	37.29
1	96	146	0.51	-1.24	-0.54	-0.19	-0.86	202.17	-114.61	41.34	46.22	-
158.37												
1	96	147	0.99	-1.13	-0.16	2.07e-02	1.06	39.11	-146.40	-77.21	-30.08	89.71
1	97	29	5.04	1.08	5.04	1.09	0.17	162.36	-68.90	-68.84	162.30	-3.70
1	97	31	11.48	1.21	11.48	1.21	2.11e-02	347.58	-710.73	-700.71	337.56	-
102.50												
1	97	55	6.11	0.39	5.24	1.26	2.06	195.12	53.16	127.77	120.51	-70.89
1	97	67	14.54	0.61	13.29	1.85	3.98	183.74	-660.27	-513.60	37.08	-
319.81												
1	97	68	3.08	1.18	2.20	2.06	0.95	304.03	-328.57	-327.84	303.30	-21.49
1	97	69	4.59	-1.13	2.23	1.23	2.82	179.38	-390.04	-331.94	121.28	-
172.36												
1	97	79	6.27	-0.19	5.74	0.35	-1.78	152.25	-314.09	-271.88	110.05	133.79
1	97	80	10.63	0.82	9.86	1.58	-2.63	65.79	-975.59	-942.18	32.38	183.52
1	97	90	2.09	-4.33e-02	1.93	0.12	-0.56	253.15	-384.48	-346.57	215.24	150.78
1	97	145	1.23	0.53	0.53	1.23	3.31e-02	130.99	-42.26	-20.49	109.22	-57.43
1	97	146	1.66	-0.84	0.40	0.42	1.25	-19.97	-136.06	-126.29	-29.73	32.22
1	97	147	1.44	-1.13	0.14	0.18	-1.28	133.11	-19.69	47.82	65.59	75.88
1	98	29	-1.42	-2.50	-2.48	-1.43	-0.13	-99.36	-300.74	-296.51	-103.59	28.88
1	98	31	-1.18	-14.34	-14.34	-1.19	-0.31	-150.61	-262.48	-171.22	-241.87	-43.37
1	98	55	0.92	-5.07	-3.81	-0.33	-2.44	-22.05	-331.89	-321.79	-32.15	55.02
1	98	67	-0.12	-16.36	-14.59	-1.89	-5.07	290.44	-88.31	47.98	154.15	181.78
1	98	68	-0.70	-2.74	-1.58	-1.86	-1.01	-66.62	-173.20	-172.79	-67.03	6.60
1	98	69	2.48	-4.26	-1.32	-0.46	-3.34	50.31	-211.94	-183.43	21.81	81.63
1	98	79	1.46	-2.75	-1.87	0.58	1.71	-105.26	-253.50	-251.94	-106.82	-15.12
1	98	80	-1.56	-16.07	-14.66	-2.97	4.29	72.51	-316.54	-314.07	70.04	-30.92
1	98	90	0.79	-2.62	-1.56	-0.27	1.57	-19.69	-160.07	-152.49	-27.27	31.72
1	98	145	-0.88	-2.64	-0.88	-2.64	7.71e-02	-64.67	-228.47	-67.34	-225.80	20.73
1	98	146	0.96	-1.40	-0.45	1.46e-02	-1.16	185.84	-99.15	4.76	81.93	-
137.17												

1	98	147	0.21	-0.68	-0.32	-0.15	0.44	99.72	-154.84	-47.98	-7.14	125.63
1	99	29	1.62	0.66	0.69	1.59	0.16	73.88	-113.06	-110.60	71.42	-21.31
1	99	31	17.75	1.62	17.75	1.62	0.14	424.18	-549.85	-549.70	424.03	12.00
1	99	55	1.35	-2.99	-2.91	1.26	0.61	152.38	-39.62	38.88	73.87	-94.39
1	99	67	19.40	0.96	17.77	2.59	5.24	78.07	-750.54	-626.04	-46.43	-
296.08												
1	99	68	3.66	2.05	3.27	2.44	0.68	180.14	-248.72	-248.60	180.02	-7.21
1	99	69	5.31	-1.85	3.25	0.20	3.24	119.56	-340.74	-268.54	47.37	-
167.39												
1	99	79	4.50	-0.20	4.49	-0.19	-0.14	159.38	-285.82	-260.42	133.98	103.27
1	99	80	19.92	1.44	18.30	3.07	-5.23	62.39	-547.73	-522.91	37.58	120.52
1	99	90	4.73	-1.63	2.94	0.17	-2.86	99.58	-310.94	-310.16	98.80	-17.94
1	99	145	1.85	0.66	0.69	1.82	0.19	138.91	-34.53	-21.95	126.33	-44.99
1	99	146	1.18	-0.68	0.31	0.20	-0.92	-51.35	-108.40	-107.97	-51.78	4.97
1	99	147	1.29	-0.56	0.35	0.38	-0.92	66.75	-16.76	14.22	35.77	40.34
1	100	29	1.07	-1.24	1.06	-1.23	-0.15	-104.12	-209.24	-206.73	-106.62	16.02
1	100	31	-0.80	-11.00	-10.99	-0.80	-0.26	4.55	-267.24	3.16	-265.85	19.40
1	100	55	7.13	-0.68	7.13	-0.67	0.12	-73.16	-376.01	-375.03	-74.14	17.21
1	100	67	6.04e-02	-13.57	-11.95	-1.56	-4.41	243.45	-191.55	-67.45	119.35	196.43
1	100	68	-0.14	-2.40	-0.52	-2.02	-0.85	-78.36	-157.14	-155.65	-79.85	10.74
1	100	69	2.93	-3.21	-0.24	-2.89e-02	-3.07	40.95	-143.55	-134.93	32.33	38.94
1	100	79	1.10e-02	-4.98	-4.98	1.10e-02	-8.23e-05	9.38	-126.88	-31.94	-85.56	-62.63
1	100	80	-1.30	-11.50	-10.48	-2.32	3.06	154.27	32.36	98.52	88.11	-60.73
1	100	90	1.21	-2.03	-0.60	-0.22	1.61	-7.64	-124.15	-116.44	-15.35	28.96
1	100	145	-0.92	-2.65	-0.94	-2.63	0.18	-44.62	-237.05	-54.65	-227.02	42.78
1	100	146	1.32	-2.03	-0.55	-0.16	1.66	235.74	-70.27	62.55	102.92	-
151.66												
1	100	147	1.19	-1.42	-0.22	-5.22e-03	1.30	43.01	-136.20	-71.89	-21.30	85.96
1	101	29	1.35	0.95	1.06	1.25	0.18	116.75	-137.98	-137.85	116.63	-5.72
1	101	31	13.03	1.22	13.03	1.22	6.19e-02	400.50	-708.68	-703.67	395.49	-74.38
1	101	55	1.42	-4.36	-4.36	1.42	4.67e-02	176.75	48.62	108.66	116.71	-63.94
1	101	67	15.63	0.70	14.27	2.06	4.29	159.04	-659.91	-511.21	10.34	-
315.70												
1	101	68	3.00	1.52	2.19	2.34	0.73	247.07	-296.44	-296.02	246.65	-15.10
1	101	69	4.44	-1.76	2.18	0.50	2.98	111.56	-356.65	-322.99	77.90	-
120.94												
1	101	79	6.67	0.36	6.67	0.36	-0.11	149.10	-419.65	-381.31	110.76	142.61
1	101	80	13.11	1.01	12.10	2.02	-3.35	54.30	-951.89	-923.90	26.32	165.45
1	101	90	2.99	-0.95	1.93	0.11	-1.75	157.92	-355.12	-346.80	149.60	64.79
1	101	145	1.82	0.64	0.65	1.81	-9.66e-02	146.39	-51.03	-28.38	123.73	-62.93
1	101	146	1.67	-0.87	0.41	0.39	-1.27	-77.18	-156.76	-147.50	-86.44	25.51
1	101	147	1.73	-1.33	0.20	0.20	-1.53	129.61	-30.30	42.50	56.82	79.63
1	102	29	1.44	-1.58	1.43	-1.57	-0.13	-55.80	-239.60	-233.99	-61.41	31.62
1	102	31	-1.19	-15.73	-15.72	-1.20	-0.34	-124.41	-320.78	-150.80	-294.39	-66.97
1	102	55	5.71	-0.55	5.67	-0.52	-0.45	-23.25	-313.31	-305.25	-31.31	47.67
1	102	67	-0.21	-17.33	-15.45	-2.09	-5.35	299.92	-76.41	47.38	176.12	176.81
1	102	68	-1.03	-2.71	-1.61	-2.13	-0.80	-13.17	-203.11	-203.07	-13.22	2.85
1	102	69	2.89	-3.95	-1.32	0.26	-3.33	89.05	-215.57	-189.38	62.86	85.40
1	102	79	0.56	-2.80	-2.80	0.56	2.86e-02	-98.76	-162.86	-152.84	-108.79	-23.29
1	102	80	-1.73	-18.31	-16.68	-3.36	4.94	77.51	-303.13	-302.47	76.86	-15.80
1	102	90	1.86	-3.75	-1.61	-0.28	2.72	87.34	-204.98	-153.09	35.46	111.69
1	102	145	-0.97	-2.65	-0.98	-2.64	-0.10	-57.49	-233.20	-61.08	-229.61	24.85
1	102	146	1.13	-1.54	-0.45	4.21e-02	1.31	178.70	-87.42	23.01	68.27	-
131.12												
1	102	147	0.42	-0.98	-0.37	-0.18	0.70	105.18	-149.05	-43.61	-0.25	125.25
1	103	29	1.63	0.63	0.66	1.60	0.16	72.03	-116.20	-113.84	69.67	-20.95
1	103	31	17.84	1.62	17.84	1.62	0.15	426.95	-541.18	-540.97	426.74	14.25
1	103	55	1.33	-3.05	-2.96	1.25	0.60	151.17	-41.19	37.59	72.39	-94.59
1	103	67	19.46	0.96	17.83	2.60	5.25	76.50	-750.45	-625.14	-48.82	-
296.52												
1	103	68	3.64	2.05	3.25	2.44	0.69	178.68	-247.92	-247.83	178.60	-5.89
1	103	69	5.37	-1.95	3.23	0.20	3.33	99.52	-320.35	-267.04	46.21	-
139.80												
1	103	79	4.50	-0.20	4.49	-0.19	-0.14	158.65	-290.88	-265.58	133.35	103.59
1	103	80	20.04	1.46	18.41	3.09	-5.27	62.79	-532.81	-507.98	37.96	119.05
1	103	90	4.73	-1.65	2.92	0.16	-2.88	98.41	-311.65	-310.57	97.34	-20.95
1	103	145	2.11	0.69	0.70	2.11	2.99e-02	144.18	-35.26	-22.77	131.68	-45.68
1	103	146	1.20	-0.70	0.31	0.19	-0.95	-86.05	-110.37	-109.45	-86.97	4.64
1	103	147	1.28	-0.55	0.35	0.38	-0.92	67.62	-19.05	13.74	34.83	42.03
1	104	29	1.04	-1.23	1.03	-1.22	-0.15	-105.80	-212.55	-209.98	-108.37	16.38
1	104	31	-0.80	-10.92	-10.91	-0.80	-0.26	13.59	-264.84	11.90	-263.14	21.66
1	104	55	7.07	-0.69	7.07	-0.69	0.11	-74.66	-377.27	-376.32	-75.62	17.01

1	104	67	6.42e-02	-13.50	-11.89	-1.55	-4.39	241.62	-191.20	-66.55	116.96	195.99
1	104	68	-0.16	-2.40	-0.55	-2.02	-0.84	-79.34	-156.81	-154.88	-81.27	12.06
1	104	69	2.83	-3.13	-0.27	-3.54e-02	-2.98	54.70	-156.96	-133.43	31.16	66.54
1	104	79	1.05e-02	-4.98	-4.98	1.05e-02	-6.80e-03	5.32	-128.61	-37.10	-86.19	-62.30
1	104	80	-1.29	-11.38	-10.37	-2.30	3.03	164.42	37.53	113.45	88.49	-62.20
1	104	90	1.18	-2.03	-0.62	-0.23	1.59	-10.47	-123.19	-116.86	-16.80	25.95
1	104	145	-0.93	-2.34	-0.93	-2.34	2.18e-02	-45.41	-231.72	-55.47	-221.66	42.10
1	104	146	1.29	-2.00	-0.55	-0.16	1.63	216.43	-87.62	61.07	67.74	-
151.99												
1	104	147	1.20	-1.43	-0.22	-8.95e-03	1.31	43.85	-138.47	-72.37	-22.24	87.65
1	105	29	1.36	0.97	1.09	1.24	0.18	118.52	-134.75	-134.61	118.38	-6.08
1	105	31	12.95	1.22	12.95	1.22	5.81e-02	398.07	-717.69	-712.40	392.78	-76.64
1	105	55	1.43	-4.30	-4.30	1.43	5.80e-02	177.94	50.20	109.95	118.19	-63.74
1	105	67	15.56	0.70	14.21	2.05	4.28	160.50	-659.88	-512.11	12.73	-
315.27												
1	105	68	3.01	1.53	2.21	2.33	0.73	248.56	-297.28	-296.79	248.07	-16.42
1	105	69	4.37	-1.66	2.20	0.50	2.89	127.84	-373.27	-324.49	79.06	-
148.53												
1	105	79	6.67	0.36	6.67	0.36	-0.10	149.87	-414.63	-376.15	111.39	142.28
1	105	80	12.99	1.00	11.99	2.00	-3.31	54.01	-966.90	-938.84	25.94	166.92
1	105	90	3.00	-0.92	1.96	0.12	-1.73	160.13	-355.46	-346.39	151.06	67.80
1	105	145	1.52	0.63	0.64	1.52	5.91e-02	141.32	-50.50	-27.56	118.38	-62.24
1	105	146	1.65	-0.84	0.41	0.39	-1.24	-44.67	-152.61	-146.03	-51.25	25.84
1	105	147	1.74	-1.33	0.20	0.21	-1.54	128.67	-27.93	42.98	57.76	77.95
1	106	29	1.47	-1.59	1.46	-1.58	-0.13	-54.13	-236.27	-230.74	-59.66	31.26
1	106	31	-1.19	-15.81	-15.80	-1.20	-0.34	-130.73	-325.91	-159.53	-297.10	-69.23
1	106	55	5.76	-0.53	5.73	-0.50	-0.44	-21.71	-312.08	-303.96	-29.83	47.87
1	106	67	-0.21	-17.39	-15.51	-2.09	-5.37	301.63	-76.64	46.49	178.51	177.25
1	106	68	-1.02	-2.70	-1.59	-2.13	-0.80	-11.79	-203.85	-203.84	-11.80	1.53
1	106	69	2.99	-4.02	-1.30	0.27	-3.42	76.52	-203.37	-190.88	64.02	57.80
1	106	79	0.56	-2.80	-2.80	0.56	3.53e-02	-97.13	-158.71	-147.67	-108.16	-23.62
1	106	80	-1.74	-18.43	-16.79	-3.39	4.98	77.00	-317.93	-317.41	76.48	-14.33
1	106	90	1.89	-3.75	-1.59	-0.27	2.74	90.92	-206.68	-152.68	36.91	114.70
1	106	145	-0.98	-2.94	-0.99	-2.93	5.10e-02	-56.61	-238.62	-60.27	-234.97	25.53
1	106	146	1.16	-1.57	-0.45	4.40e-02	1.34	200.59	-72.65	24.49	103.45	-
130.80												
1	106	147	0.42	-0.97	-0.38	-0.18	0.69	104.27	-146.71	-43.13	0.69	123.56
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-28.61	-26.10	-5.10	-8.20		-1683.90	-1654.56	-487.78	-
457.71												
			30.22		27.72	4.80	8.09	847.94		829.17	617.43	338.44

Macro	Tipo	Angolo 1-X (gradi)
3	**Guscio**	**0.0**

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
3	1	21	0.12	-0.21	-0.20	0.11	5.27e-02	10.85	-94.81	-94.19	10.24	8.05
3	1	23	1.55	4.94e-02	1.55	5.11e-02	4.98e-02	32.46	-160.09	-160.04	32.42	-2.89
3	1	60	-0.14	-0.37	-0.37	-0.15	2.73e-02	15.33	-145.61	-141.09	10.81	26.59
3	1	61	0.34	4.20e-02	0.32	5.65e-02	6.39e-02	44.93	-127.80	-126.78	43.91	13.21
3	1	62	1.66	0.23	1.64	0.24	-0.14	32.11	-189.41	-186.80	29.50	23.88
3	1	74	0.27	-6.85e-02	0.26	-5.43e-02	-6.77e-02	40.69	-124.57	-120.81	36.93	24.64
3	1	105	0.12	-0.12	-8.76e-02	8.96e-02	7.81e-02	22.59	-45.51	-44.84	21.92	-6.72
3	1	106	1.53	-4.44e-03	1.49	3.35e-02	0.24	39.78	-132.43	-132.40	39.75	-2.27
3	1	107	0.45	-6.21e-02	0.36	2.80e-02	0.20	30.88	-137.08	-136.81	30.61	-6.73
3	1	148	8.33e-02	1.36e-02	2.69e-02	7.00e-02	2.74e-02	-7.69	-31.73	-19.55	-19.87	-12.02
3	1	149	6.05e-02	-5.10e-02	2.63e-02	-1.68e-02	5.14e-02	68.85	-39.17	5.80	23.89	53.25
3	1	150	3.95e-02	3.58e-03	3.90e-03	3.92e-02	3.38e-03	18.76	-43.87	-30.99	5.88	-25.31
3	2	21	2.48	6.79e-02	2.46	8.91e-02	0.22	-3.27	-355.48	-353.05	-5.69	29.11
3	2	23	3.84	0.45	3.80	0.49	0.37	49.63	-578.46	-573.68	44.84	-54.61
3	2	60	2.57	0.36	2.57	0.36	6.13e-03	12.81	-525.64	-516.90	4.07	68.05
3	2	61	2.42	0.32	2.34	0.39	0.39	131.15	-399.38	-397.88	129.65	28.15
3	2	62	3.19	0.39	3.19	0.39	6.77e-02	116.46	-736.40	-732.34	112.40	58.66
3	2	74	2.16	2.24e-02	2.14	4.32e-02	0.21	140.64	-390.16	-376.69	127.17	83.48
3	2	105	2.72	0.97	2.60	1.09	0.44	47.08	-176.85	-176.73	46.96	5.21
3	2	106	4.33	-0.36	4.23	-0.27	0.67	162.30	-378.21	-378.05	162.13	-9.49
3	2	107	2.60	0.14	2.46	0.29	0.58	101.71	-426.54	-425.39	100.56	-24.58

3	2	148	-0.35	-0.99	-0.35	-0.99	3.14e-02	-63.18	-168.26	-85.33	-146.11	-42.86
3	2	149	0.42	-0.32	-0.10	0.20	-0.34	248.33	-159.39	16.82	72.12	201.98
3	2	150	0.64	-0.30	-7.32e-02	0.41	0.40	68.57	-173.02	-112.93	8.48	-104.43
3	3	21	9.29e-02	-0.21	-0.20	8.82e-02	3.73e-02	8.62	-68.01	-67.57	8.17	5.80
3	3	23	1.15	3.01e-02	1.15	3.10e-02	3.23e-02	24.71	-115.32	-115.31	24.70	-1.25
3	3	60	-0.12	-0.34	-0.34	-0.12	2.14e-02	11.86	-104.85	-101.44	8.44	19.67
3	3	61	0.22	2.71e-02	0.21	3.71e-02	4.29e-02	32.94	-93.18	-92.41	32.16	9.88
3	3	62	1.25	0.17	1.23	0.18	-0.11	23.13	-135.40	-133.40	21.13	17.71
3	3	74	0.18	-5.86e-02	0.16	-4.36e-02	-5.73e-02	29.42	-90.81	-88.10	26.71	17.84
3	3	105	6.55e-02	-0.13	-0.12	5.01e-02	5.32e-02	16.98	-32.60	-32.00	16.39	-5.39
3	3	106	1.12	3.35e-03	1.10	3.14e-02	0.18	28.29	-97.23	-97.21	28.27	-1.61
3	3	107	0.31	-5.35e-02	0.24	1.66e-02	0.14	22.42	-99.98	-99.79	22.23	-4.84
3	3	148	8.20e-02	1.96e-02	2.77e-02	7.39e-02	2.10e-02	-4.68	-22.02	-13.80	-12.90	-8.66
3	3	149	5.37e-02	-4.82e-02	2.26e-02	-1.71e-02	4.69e-02	49.58	-27.86	4.25	17.47	38.15
3	3	150	2.44e-02	3.23e-03	4.45e-03	2.32e-02	-4.93e-03	13.50	-31.32	-22.29	4.47	-17.98
3	4	21	2.47	4.50e-02	2.45	6.32e-02	0.21	-5.51	-328.68	-326.43	-7.76	26.86
3	4	23	3.44	0.43	3.40	0.47	0.35	42.04	-533.85	-528.94	37.13	-52.96
3	4	60	2.60	0.39	2.60	0.39	2.32e-04	9.38	-484.93	-477.25	1.70	61.13
3	4	61	2.30	0.30	2.23	0.37	0.37	119.17	-364.79	-363.51	117.90	24.82
3	4	62	2.79	0.33	2.78	0.33	9.59e-02	107.53	-682.44	-678.94	104.03	52.50
3	4	74	2.07	2.98e-02	2.05	5.39e-02	0.22	129.37	-356.40	-343.98	116.94	76.68
3	4	105	2.68	0.94	2.57	1.05	0.42	41.64	-164.10	-163.89	41.43	6.54
3	4	106	3.92	-0.36	3.83	-0.27	0.61	150.81	-343.01	-342.86	150.65	-8.83
3	4	107	2.46	0.15	2.33	0.28	0.53	93.25	-389.45	-388.38	92.18	-22.69
3	4	148	-0.35	-0.99	-0.35	-0.99	2.50e-02	-59.89	-158.83	-79.58	-139.14	-39.50
3	4	149	0.43	-0.33	-0.11	0.20	-0.34	229.06	-148.08	15.28	65.70	186.88
3	4	150	0.62	-0.30	-7.26e-02	0.39	0.39	63.34	-160.49	-104.23	7.07	-97.10
3	5	21	9.36e-02	-0.18	-0.17	8.79e-02	3.91e-02	8.46	-70.79	-70.33	8.00	6.02
3	5	23	1.18	3.46e-02	1.17	3.57e-02	3.57e-02	24.86	-119.74	-119.72	24.83	-1.80
3	5	60	-0.11	-0.31	-0.31	-0.12	2.12e-02	11.82	-108.90	-105.45	8.37	20.11
3	5	61	0.24	3.00e-02	0.23	4.07e-02	4.65e-02	33.86	-96.08	-95.30	33.08	10.04
3	5	62	1.26	0.17	1.25	0.18	-0.11	24.02	-141.22	-139.22	22.01	18.09
3	5	74	0.19	-5.51e-02	0.18	-4.26e-02	-5.44e-02	30.48	-93.64	-90.83	27.67	18.47
3	5	105	8.00e-02	-0.11	-8.94e-02	6.07e-02	5.71e-02	17.21	-33.96	-33.41	16.66	-5.27
3	5	106	1.15	-4.74e-04	1.12	2.83e-02	0.18	29.60	-99.86	-99.83	29.58	-1.68
3	5	107	0.33	-5.02e-02	0.26	1.94e-02	0.15	23.17	-103.07	-102.87	22.97	-5.03
3	5	148	7.18e-02	1.45e-02	2.37e-02	6.26e-02	2.10e-02	-5.38	-23.36	-14.50	-14.25	-8.99
3	5	149	4.97e-02	-4.31e-02	2.13e-02	-1.47e-02	4.28e-02	51.49	-29.14	4.37	17.98	39.74
3	5	150	2.71e-02	3.61e-03	3.63e-03	2.71e-02	-6.77e-04	14.02	-32.69	-23.17	4.50	-18.82
3	6	21	1.61	5.59e-02	1.60	7.13e-02	0.15	-0.95	-244.57	-242.91	-2.62	20.06
3	6	23	2.70	0.30	2.67	0.33	0.25	36.17	-398.52	-395.47	33.12	-36.28
3	6	60	1.65	0.22	1.65	0.22	7.06e-03	10.11	-362.22	-355.99	3.88	47.75
3	6	61	1.63	0.21	1.58	0.26	0.27	91.32	-277.12	-276.03	90.23	20.00
3	6	62	2.28	0.28	2.28	0.29	2.92e-02	80.20	-505.83	-502.91	77.28	41.27
3	6	74	1.45	1.04e-02	1.44	2.24e-02	0.13	97.11	-270.70	-261.42	87.83	57.70
3	6	105	1.79	0.64	1.70	0.72	0.30	33.40	-121.38	-121.33	33.35	2.69
3	6	106	3.02	-0.24	2.95	-0.17	0.47	111.27	-263.71	-263.60	111.16	-6.50
3	6	107	1.76	9.05e-02	1.66	0.19	0.40	70.39	-296.04	-295.26	69.61	-16.93
3	6	148	-0.22	-0.65	-0.23	-0.64	2.37e-02	-42.68	-114.08	-58.35	-98.41	-29.55
3	6	149	0.27	-0.21	-6.45e-02	0.13	-0.22	171.14	-109.29	11.72	50.14	138.89
3	6	150	0.42	-0.20	-4.77e-02	0.27	0.27	47.21	-118.77	-77.79	6.23	-71.57
3	7	21	9.36e-02	-0.18	-0.17	8.79e-02	3.91e-02	8.46	-70.79	-70.33	8.00	6.02
3	7	23	1.18	3.46e-02	1.17	3.57e-02	3.57e-02	24.86	-119.74	-119.72	24.83	-1.80
3	7	60	-0.11	-0.31	-0.31	-0.12	2.12e-02	11.82	-108.90	-105.45	8.37	20.11
3	7	61	0.24	3.00e-02	0.23	4.07e-02	4.65e-02	33.86	-96.08	-95.30	33.08	10.04
3	7	62	1.26	0.17	1.25	0.18	-0.11	24.02	-141.22	-139.22	22.01	18.09
3	7	74	0.19	-5.51e-02	0.18	-4.26e-02	-5.44e-02	30.48	-93.64	-90.83	27.67	18.47
3	7	105	8.00e-02	-0.11	-8.94e-02	6.07e-02	5.71e-02	17.21	-33.96	-33.41	16.66	-5.27
3	7	106	1.15	-4.74e-04	1.12	2.83e-02	0.18	29.60	-99.86	-99.83	29.58	-1.68
3	7	107	0.33	-5.02e-02	0.26	1.94e-02	0.15	23.17	-103.07	-102.87	22.97	-5.03
3	7	148	7.18e-02	1.45e-02	2.37e-02	6.26e-02	2.10e-02	-5.38	-23.36	-14.50	-14.25	-8.99
3	7	149	4.97e-02	-4.31e-02	2.13e-02	-1.47e-02	4.28e-02	51.49	-29.14	4.37	17.98	39.74
3	7	150	2.71e-02	3.61e-03	3.63e-03	2.71e-02	-6.77e-04	14.02	-32.69	-23.17	4.50	-18.82
3	8	21	1.08	6.21e-02	1.06	7.63e-02	0.12	1.87	-192.43	-191.13	0.57	15.85
3	8	23	2.24	0.22	2.22	0.24	0.19	32.58	-314.69	-312.75	30.63	-25.93
3	8	60	1.06	0.12	1.06	0.12	1.13e-02	10.57	-286.17	-280.82	5.23	39.46
3	8	61	1.21	0.16	1.17	0.20	0.20	74.06	-222.79	-221.81	73.09	17.01
3	8	62	1.97	0.25	1.97	0.25	-1.20e-02	63.28	-396.38	-393.80	60.70	34.32
3	8	74	1.07	-2.41e-03	1.06	2.90e-03	7.51e-02	77.12	-217.58	-210.24	69.78	45.93
3	8	105	1.24	0.45	1.17	0.53	0.23	28.34	-94.96	-94.96	28.34	0.30
3	8	106	2.46	-0.17	2.40	-0.11	0.38	86.77	-214.55	-214.47	86.69	-5.05

3	8	107	1.33	5.20e-02	1.24	0.14	0.33	56.22	-238.15	-237.54	55.62	-13.36
3	8	148	-0.15	-0.43	-0.15	-0.43	2.29e-02	-31.94	-86.42	-45.20	-73.16	-23.38
3	8	149	0.18	-0.13	-3.88e-02	8.84e-02	-0.14	135.24	-85.24	9.52	40.49	109.15
3	8	150	0.30	-0.14	-3.23e-02	0.20	0.19	37.22	-92.91	-61.40	5.71	-55.74
3	9	21	9.36e-02	-0.18	-0.17	8.79e-02	3.91e-02	8.46	-70.79	-70.33	8.00	6.02
3	9	23	1.18	3.46e-02	1.17	3.57e-02	3.57e-02	24.86	-119.74	-119.72	24.83	-1.80
3	9	60	-0.11	-0.31	-0.31	-0.12	2.12e-02	11.82	-108.90	-105.45	8.37	20.11
3	9	61	0.24	3.00e-02	0.23	4.07e-02	4.65e-02	33.86	-96.08	-95.30	33.08	10.04
3	9	62	1.26	0.17	1.25	0.18	-0.11	24.02	-141.22	-139.22	22.01	18.09
3	9	74	0.19	-5.51e-02	0.18	-4.26e-02	-5.44e-02	30.48	-93.64	-90.83	27.67	18.47
3	9	105	8.00e-02	-0.11	-8.94e-02	6.07e-02	5.71e-02	17.21	-33.96	-33.41	16.66	-5.27
3	9	106	1.15	-4.74e-04	1.12	2.83e-02	0.18	29.60	-99.86	-99.83	29.58	-1.68
3	9	107	0.33	-5.02e-02	0.26	1.94e-02	0.15	23.17	-103.07	-102.87	22.97	-5.03
3	9	148	7.18e-02	1.45e-02	2.37e-02	6.26e-02	2.10e-02	-5.38	-23.36	-14.50	-14.25	-8.99
3	9	149	4.97e-02	-4.31e-02	2.13e-02	-1.47e-02	4.28e-02	51.49	-29.14	4.37	17.98	39.74
3	9	150	2.71e-02	3.61e-03	3.63e-03	2.71e-02	-6.77e-04	14.02	-32.69	-23.17	4.50	-18.82
3	10	21	0.90	6.38e-02	0.89	7.79e-02	0.11	2.81	-175.06	-173.88	1.63	14.44
3	10	23	2.09	0.20	2.07	0.21	0.16	31.40	-286.77	-285.17	29.80	-22.49
3	10	60	0.87	8.74e-02	0.87	8.76e-02	1.27e-02	10.73	-260.82	-255.77	5.67	36.70
3	10	61	1.08	0.14	1.04	0.18	0.18	68.31	-204.68	-203.74	67.37	16.02
3	10	62	1.87	0.24	1.87	0.24	-2.58e-02	57.64	-359.90	-357.43	55.17	32.00
3	10	74	0.94	-7.00e-03	0.93	-3.59e-03	5.66e-02	70.46	-199.87	-193.18	63.76	42.01
3	10	105	1.06	0.39	0.99	0.46	0.20	26.68	-86.17	-86.16	26.67	-0.49
3	10	106	2.27	-0.14	2.22	-9.13e-02	0.35	78.60	-198.17	-198.09	78.53	-4.57
3	10	107	1.18	3.89e-02	1.10	0.12	0.30	51.50	-218.85	-218.30	50.95	-12.17
3	10	148	-0.12	-0.36	-0.13	-0.36	2.26e-02	-28.32	-77.23	-40.81	-64.74	-21.33
3	10	149	0.15	-0.10	-3.02e-02	7.37e-02	-0.11	123.28	-77.22	8.78	37.27	99.23
3	10	150	0.26	-0.11	-2.72e-02	0.17	0.16	33.89	-84.29	-55.94	5.54	-50.47
3	11	21	6.65	1.61	6.65	1.61	-3.06e-02	19.40	-100.28	-99.58	18.70	9.10
3	11	23	9.60	0.65	9.26	0.98	1.70	333.46	-484.52	-195.84	44.78	390.89
3	11	60	6.38	-0.85	3.92	1.61	-3.43	81.70	-181.93	-179.04	78.81	27.46
3	11	61	6.04	4.27	5.21	5.10	0.88	130.69	-286.44	-114.24	-41.51	205.37
3	11	62	38.64	3.27	35.29	6.62	-10.35	735.12	140.33	731.68	143.76	45.06
3	11	74	8.48	-1.58	5.33	1.56	-4.67	13.35	-250.14	-240.48	3.70	-49.50
3	11	105	10.31	1.56	10.30	1.57	0.34	45.54	-102.53	-16.57	-40.42	-73.07
3	11	106	-0.24	-17.93	-15.70	-2.47	-5.87	-49.85	-1096.20	-1090.81	-55.24	74.86
3	11	107	6.47	-5.32	4.37	-3.22	-4.51	104.04	-93.12	-52.85	63.76	-79.49
3	11	148	-0.94	-2.70	-0.96	-2.68	-0.21	-25.49	-102.27	-30.43	-97.33	-18.84
3	11	149	0.96	0.13	0.57	0.52	-0.41	107.61	-45.59	17.22	44.81	75.35
3	11	150	2.90	-3.15	-0.77	0.52	2.95	25.99	-50.44	-45.46	21.00	-18.87
3	12	21	18.44	-1.00	18.43	-0.99	-0.45	-23.46	-185.21	-180.22	-28.46	-27.98
3	12	23	0.21	-18.29	-18.25	0.17	0.91	144.95	-520.68	-230.27	-145.46	330.10
3	12	60	19.19	4.61	18.09	5.72	-3.86	170.38	-11.17	124.61	34.60	-78.83
3	12	61	4.88	3.24	3.42	4.70	-0.50	-81.77	-196.80	-162.80	-115.77	52.49
3	12	62	4.92	0.79	4.78	0.93	-0.74	333.18	161.48	326.71	167.95	-32.70
3	12	74	3.99	2.03	3.96	2.06	0.25	-33.89	-255.31	-243.01	-46.19	-50.72
3	12	105	21.90	2.54	21.90	2.54	-5.89e-02	-37.21	-498.78	-478.24	-57.75	-95.18
3	12	106	1.51	-47.02	-41.49	-4.02	-15.43	92.25	-737.41	-682.28	37.13	206.63
3	12	107	11.52	-11.19	2.82	-2.49	-11.04	102.31	-136.71	-128.70	94.31	-43.01
3	12	148	-2.70	-7.49	-2.70	-7.49	-0.13	-10.92	-238.78	-47.82	-201.88	83.95
3	12	149	4.79	-3.47	-0.13	1.46	-4.05	-27.10	-127.56	-127.17	-27.48	6.20
3	12	150	5.68	-6.14	-1.38	0.92	5.80	288.66	-45.23	112.73	130.70	-
166.70												
3	13	21	1.17	-16.68	-16.66	1.14	0.67	46.81	-182.62	-167.54	31.72	56.87
3	13	23	22.41	0.24	22.39	0.25	-0.59	396.15	-531.16	-340.07	205.07	-
375.07												
3	13	60	-4.29	-17.60	-16.35	-5.54	3.89	12.47	-671.88	-636.15	-23.25	152.23
3	13	61	-1.11	-4.58	-1.34	-4.35	0.86	251.35	-245.52	-244.68	250.51	-20.46
3	13	62	1.31e-02	-1.50	-1.04	-0.44	0.69	-48.19	-1050.99	-1041.58	-57.60	96.69
3	13	74	-1.94	-2.22	-2.09	-2.07	-0.14	223.24	-192.87	-143.35	173.72	134.73
3	13	105	-1.61	-19.94	-19.93	-1.62	0.47	344.00	73.00	305.91	111.09	94.19
3	13	106	51.40	-1.63	45.93	3.84	16.13	434.23	-28.21	286.10	119.93	-
215.78												
3	13	107	12.82	-10.71	-0.63	2.74	11.64	8.70	-309.00	-307.90	7.60	18.67
3	13	148	6.77	2.44	2.45	6.77	0.18	156.57	-117.99	-33.80	72.39	-
126.60												
3	13	149	3.27	-4.50	7.45e-02	-1.31	3.82	316.83	-70.07	144.73	102.03	192.27
3	13	150	5.94	-5.18	1.33	-0.57	-5.48	-87.97	-256.27	-224.62	-119.62	65.77
3	14	21	-1.44	-4.89	-4.87	-1.46	0.25	-13.77	-249.84	-248.17	-15.44	19.79
3	14	23	-0.18	-5.50	-5.12	-0.56	-1.37	297.53	-657.20	-374.50	14.83	-
435.87												
3	14	60	1.66	-5.28	-2.18	-1.43	3.45	-59.72	-340.24	-332.50	-67.46	45.94

3	14	61	-2.98	-4.91	-3.13	-4.75	-0.53	233.31	-350.31	-293.24	176.25	-
173.34												
3	14	62	-2.48	-35.20	-31.55	-6.13	10.30	-33.16	-1446.80	-1446.55	-33.42	18.93
3	14	74	2.35	-7.39	-3.47	-1.57	4.78	178.74	-200.79	-145.88	123.83	133.51
3	14	105	-0.65	-8.33	-8.33	-0.65	6.76e-02	113.09	-175.09	-155.76	93.77	72.08
3	14	106	22.30	0.13	20.14	2.28	6.57	708.84	198.08	694.63	212.29	-84.00
3	14	107	6.48	-5.19	-2.18	3.47	5.11	45.24	-390.85	-383.76	38.15	55.16
3	14	148	2.00	0.66	0.71	1.95	0.25	-16.04	-67.31	-51.19	-32.16	-23.81
3	14	149	-0.27	-0.73	-0.64	-0.37	0.19	139.03	-108.95	0.34	29.74	123.12
3	14	150	2.95	-2.40	0.72	-0.18	-2.64	48.62	-124.96	-66.43	-9.92	-82.06
3	15	21	7.22	1.50	7.22	1.50	-4.55e-02	20.91	-97.23	-96.02	19.70	11.87
3	15	23	8.42	0.66	8.04	1.05	1.68	324.29	-488.26	-201.77	37.80	388.22
3	15	60	6.82	-0.58	4.45	1.79	-3.45	80.34	-177.08	-174.02	77.28	27.87
3	15	61	5.97	4.30	5.18	5.09	0.83	139.40	-296.16	-112.29	-44.47	215.12
3	15	62	37.57	3.22	34.34	6.45	-10.02	755.80	136.74	751.84	140.70	49.38
3	15	74	8.39	-1.44	5.35	1.60	-4.55	9.88	-247.43	-239.47	1.92	-44.56
3	15	105	11.04	1.62	11.03	1.63	0.33	51.04	-95.89	-14.86	-30.00	-73.07
3	15	106	-0.16	-19.67	-17.25	-2.58	-6.42	-49.43	-1123.52	-1117.23	-55.72	81.94
3	15	107	6.74	-5.60	4.33	-3.19	-4.89	93.05	-79.48	-48.21	61.78	-66.46
3	15	148	-1.02	-2.94	-1.04	-2.91	-0.22	-25.62	-105.33	-29.93	-101.03	-18.01
3	15	149	1.09	3.24e-02	0.56	0.56	-0.53	107.08	-44.14	18.04	44.90	74.41
3	15	150	3.09	-3.34	-0.81	0.56	3.14	29.14	-47.57	-42.94	24.51	-18.26
3	16	21	17.87	-0.88	17.86	-0.87	-0.44	-23.55	-189.68	-183.78	-29.45	-30.75
3	16	23	0.16	-17.08	-17.03	0.11	0.93	154.12	-516.94	-224.34	-138.48	332.77
3	16	60	18.67	4.42	17.55	5.54	-3.83	167.43	-11.70	119.60	36.13	-79.25
3	16	61	4.86	3.31	3.46	4.71	-0.45	-88.77	-188.78	-164.75	-112.81	42.73
3	16	62	5.97	0.87	5.74	1.10	-1.07	316.00	161.56	306.55	171.01	-37.02
3	16	74	3.95	2.01	3.95	2.02	0.13	-29.94	-258.50	-244.03	-44.41	-55.66
3	16	105	21.17	2.48	21.17	2.48	-4.65e-02	-47.24	-500.88	-479.95	-68.17	-95.17
3	16	106	1.43	-45.28	-39.93	-3.91	-14.87	90.94	-709.19	-655.86	37.61	199.55
3	16	107	11.17	-10.82	2.87	-2.53	-10.66	109.23	-146.29	-133.34	96.29	-56.04
3	16	148	-2.62	-7.26	-2.62	-7.26	-0.12	-11.35	-235.15	-48.33	-198.17	83.12
3	16	149	4.65	-3.36	-0.12	1.41	-3.93	-27.07	-128.50	-127.99	-27.57	7.13
3	16	150	5.49	-5.94	-1.34	0.89	5.61	286.23	-48.83	110.22	127.19	-
167.31												
3	17	21	1.05	-16.11	-16.08	1.03	0.65	49.39	-180.65	-163.98	32.72	59.64
3	17	23	21.19	0.30	21.17	0.31	-0.60	391.56	-539.47	-346.00	198.09	-
377.75												
3	17	60	-4.09	-17.09	-15.82	-5.36	3.86	11.48	-667.39	-631.14	-24.78	152.64
3	17	61	-1.17	-4.57	-1.38	-4.36	0.81	247.78	-242.97	-242.73	247.55	-10.70
3	17	62	-7.31e-02	-2.53	-1.99	-0.61	1.02	-50.16	-1031.92	-1021.42	-60.67	101.01
3	17	74	-2.02	-2.08	-2.08	-2.03	-2.04e-02	225.05	-195.44	-142.34	171.94	139.68
3	17	105	-1.55	-19.21	-19.20	-1.56	0.45	346.97	82.17	307.62	121.51	94.18
3	17	106	49.65	-1.55	44.37	3.73	15.58	409.73	-30.60	259.68	119.44	-
208.70												
3	17	107	12.44	-10.34	-0.67	2.77	11.26	8.84	-306.48	-303.26	5.62	31.70
3	17	148	6.54	2.36	2.37	6.53	0.17	153.41	-118.01	-33.29	68.68	-
125.77												
3	17	149	3.16	-4.36	6.19e-02	-1.26	3.70	316.40	-68.72	145.55	102.12	191.33
3	17	150	5.74	-4.99	1.29	-0.54	-5.29	-84.17	-254.04	-222.10	-116.11	66.38
3	18	21	-1.32	-5.46	-5.44	-1.34	0.26	-15.21	-252.95	-251.73	-16.44	17.02
3	18	23	-0.14	-4.38	-3.90	-0.62	-1.35	301.76	-648.52	-368.58	21.81	-
433.19												
3	18	60	1.36	-5.69	-2.72	-1.61	3.48	-58.51	-344.94	-337.52	-65.93	45.52
3	18	61	-2.97	-4.87	-3.10	-4.74	-0.48	241.65	-357.63	-295.19	179.21	-
183.09												
3	18	62	-2.43	-34.13	-30.60	-5.96	9.97	-30.20	-1466.86	-1466.71	-30.35	14.61
3	18	74	2.21	-7.30	-3.48	-1.61	4.66	176.69	-197.98	-146.89	125.61	128.57
3	18	105	-0.71	-9.06	-9.06	-0.71	7.99e-02	103.28	-177.40	-157.47	83.35	72.09
3	18	106	24.04	4.83e-02	21.69	2.40	7.13	736.88	196.95	721.05	212.78	-91.08
3	18	107	6.81	-5.50	-2.13	3.44	5.49	44.23	-392.50	-388.40	40.13	42.13
3	18	148	2.23	0.74	0.79	2.19	0.26	-12.84	-67.32	-51.69	-28.46	-24.64
3	18	149	-0.20	-0.84	-0.62	-0.41	0.30	139.55	-110.38	-0.48	29.65	124.05
3	18	150	3.14	-2.59	0.76	-0.21	-2.83	46.02	-128.40	-68.94	-13.43	-82.68
3	19	21	7.33	1.65	7.33	1.65	-5.20e-02	18.83	-99.98	-98.90	17.75	11.28
3	19	23	41.60	0.90	41.52	0.97	1.75	341.06	-493.84	-194.23	41.46	400.47
3	19	60	7.15	-0.78	4.56	1.82	-3.72	81.74	-177.96	-174.86	78.63	28.24
3	19	61	6.18	4.40	5.10	5.48	0.87	133.58	-294.02	-113.87	-46.57	211.13
3	19	62	40.35	3.32	36.80	6.87	-10.90	746.08	141.84	742.34	145.58	47.43
3	19	74	8.65	-1.83	5.21	1.60	-4.92	11.26	-252.57	-241.70	0.40	-52.42
3	19	105	11.20	1.59	11.19	1.60	0.31	45.40	-106.58	-19.25	-41.93	-75.14
3	19	106	48.77	-3.46	47.93	-2.62	-6.59	-50.00	-1101.92	-1095.30	-56.63	83.23

3	19	107	6.70	-5.87	4.22	-3.40	-5.00	85.30	-70.14	-50.28	65.43	-51.89
3	19	148	-1.04	-2.99	-1.06	-2.96	-0.22	-26.81	-105.02	-30.80	-101.03	-17.21
3	19	149	1.14	1.68e-02	0.60	0.56	-0.56	105.44	-46.55	16.06	42.83	74.81
3	19	150	3.13	-3.39	-0.82	0.56	3.19	29.56	-48.20	-43.00	24.37	-19.42
3	20	21	19.13	-0.96	19.12	-0.95	-0.47	-25.10	-183.84	-179.53	-29.41	-25.80
3	20	23	14.08	9.15e-02	14.01	0.16	0.96	153.29	-530.74	-228.66	-148.78	339.68
3	20	60	19.95	4.70	18.72	5.93	-4.15	172.82	-9.60	128.80	34.42	-78.05
3	20	61	5.22	3.16	3.30	5.08	-0.52	-79.78	-203.48	-162.43	-120.83	58.25
3	20	62	6.60	0.87	6.29	1.18	-1.30	342.68	164.45	337.36	169.77	-30.33
3	20	74	3.84	2.09	3.84	2.09	1.63e-03	-35.69	-258.03	-244.23	-49.49	-53.64
3	20	105	22.80	2.56	22.79	2.56	-8.88e-02	-37.90	-502.27	-480.93	-59.25	-97.25
3	20	106	29.81	-11.85	22.14	-4.17	-16.15	94.87	-745.90	-686.77	35.74	215.00
3	20	107	11.84	-11.84	2.67	-2.67	-11.53	97.05	-127.20	-126.13	95.98	-15.40
3	20	148	-2.80	-7.78	-2.81	-7.77	-0.15	-10.62	-243.15	-48.19	-205.57	85.58
3	20	149	4.97	-3.58	-0.11	1.50	-4.20	-29.13	-128.66	-128.34	-29.46	5.66
3	20	150	5.91	-6.38	-1.43	0.95	6.03	292.14	-42.89	115.19	134.07	-
167.25												
3	21	21	1.13	-17.37	-17.34	1.11	0.69	46.60	-182.14	-168.22	32.68	54.68
3	21	23	0.30	-9.91	-9.87	0.26	-0.64	406.22	-539.51	-341.68	208.39	-
384.65												
3	21	60	-4.37	-18.37	-16.99	-5.75	4.18	12.08	-675.49	-640.34	-23.08	151.45
3	21	61	-1.02	-4.94	-1.22	-4.73	0.88	256.94	-246.42	-245.05	255.57	-26.22
3	21	62	-6.59e-02	-3.17	-2.54	-0.69	1.25	-50.54	-1061.11	-1052.23	-59.42	94.32
3	21	74	-1.90	-2.16	-1.97	-2.10	0.11	228.18	-193.30	-142.13	177.01	137.65
3	21	105	-1.63	-20.83	-20.82	-1.65	0.49	347.97	73.22	308.60	112.59	96.26
3	21	106	13.19	-26.90	-17.70	3.99	16.86	445.54	-33.64	290.58	121.32	-
224.14												
3	21	107	13.47	-11.03	-0.47	2.92	12.13	6.18	-310.73	-310.47	5.92	-8.93
3	21	148	7.06	2.55	2.55	7.05	0.19	160.76	-118.11	-33.43	76.08	-
128.24												
3	21	149	3.38	-4.68	5.05e-02	-1.35	3.97	318.89	-68.99	145.90	104.01	192.80
3	21	150	6.18	-5.41	1.37	-0.61	-5.71	-90.73	-259.32	-227.07	-122.99	66.31
3	22	21	-1.48	-5.58	-5.56	-1.50	0.27	-13.17	-250.17	-248.85	-14.48	17.61
3	22	23	-0.50	-37.43	-37.38	-0.55	-1.42	308.13	-666.09	-376.11	18.15	-
445.44												
3	22	60	1.56	-6.02	-2.82	-1.64	3.74	-59.91	-344.05	-336.68	-67.28	45.16
3	22	61	-2.90	-5.24	-3.02	-5.13	-0.51	241.28	-353.58	-293.61	181.31	-
179.10												
3	22	62	-2.52	-36.91	-33.06	-6.38	10.85	-35.04	-1457.40	-1457.21	-35.23	16.57
3	22	74	2.63	-7.58	-3.34	-1.61	5.03	183.80	-201.33	-144.66	127.13	136.43
3	22	105	-0.68	-9.22	-9.22	-0.68	9.75e-02	115.73	-173.54	-153.08	95.27	74.15
3	22	106	3.57	-44.62	-43.49	2.44	7.30	716.10	196.70	699.12	213.68	-92.37
3	22	107	7.09	-5.46	-2.02	3.65	5.60	38.26	-388.12	-386.33	36.47	27.55
3	22	148	2.28	0.76	0.81	2.24	0.27	-11.85	-67.44	-50.82	-28.46	-25.45
3	22	149	-0.18	-0.89	-0.66	-0.41	0.34	141.18	-107.96	1.50	31.72	123.65
3	22	150	3.19	-2.63	0.77	-0.21	-2.87	45.04	-127.21	-68.88	-13.28	-81.52
3	23	21	7.91	1.53	7.91	1.53	-6.68e-02	20.45	-97.05	-95.34	18.74	14.05
3	23	23	40.38	0.96	40.30	1.03	1.73	331.89	-497.58	-200.16	34.48	397.80
3	23	60	7.59	-0.51	5.09	2.00	-3.75	80.39	-173.12	-169.84	77.11	28.65
3	23	61	6.11	4.42	5.06	5.47	0.82	142.35	-303.80	-111.92	-49.53	220.89
3	23	62	39.28	3.26	35.84	6.70	-10.58	766.78	138.23	762.49	142.52	51.75
3	23	74	8.56	-1.69	5.23	1.64	-4.80	7.70	-249.76	-240.69	-1.37	-47.48
3	23	105	11.93	1.65	11.92	1.66	0.30	50.95	-99.99	-17.54	-31.50	-75.15
3	23	106	47.39	-3.75	46.37	-2.73	-7.15	-49.51	-1129.32	-1121.71	-57.11	90.31
3	23	107	6.98	-6.17	4.17	-3.37	-5.38	75.88	-58.07	-45.64	63.45	-38.86
3	23	148	-1.12	-3.22	-1.15	-3.19	-0.23	-26.85	-108.17	-30.29	-104.73	-16.38
3	23	149	1.28	-8.34e-02	0.59	0.61	-0.68	104.91	-45.11	16.88	42.92	73.87
3	23	150	3.32	-3.59	-0.86	0.59	3.38	32.71	-45.32	-40.49	27.88	-18.81
3	24	21	18.56	-0.84	18.55	-0.83	-0.46	-25.24	-188.26	-183.09	-30.41	-28.57
3	24	23	15.30	3.41e-02	15.23	9.77e-02	0.98	162.46	-527.00	-222.74	-141.80	342.35
3	24	60	19.44	4.50	18.19	5.75	-4.13	169.79	-10.05	123.78	35.95	-78.47
3	24	61	5.20	3.22	3.34	5.09	-0.47	-87.34	-194.91	-164.38	-117.87	48.49
3	24	62	7.66	0.93	7.24	1.35	-1.62	325.09	164.95	317.21	172.83	-34.65
3	24	74	3.83	2.05	3.82	2.06	-0.12	-31.64	-261.31	-245.25	-47.71	-58.58
3	24	105	22.07	2.51	22.07	2.51	-7.65e-02	-47.92	-504.39	-482.64	-69.67	-97.24
3	24	106	30.69	-11.06	23.69	-4.06	-15.59	93.56	-717.69	-660.35	36.22	207.92
3	24	107	11.48	-11.46	2.72	-2.70	-11.15	101.45	-134.25	-130.77	97.97	-28.43
3	24	148	-2.72	-7.54	-2.72	-7.54	-0.14	-11.05	-239.52	-48.70	-201.87	84.75
3	24	149	4.83	-3.48	-9.83e-02	1.46	-4.08	-29.11	-129.59	-129.16	-29.55	6.59
3	24	150	5.72	-6.19	-1.39	0.92	5.84	289.71	-46.49	112.67	130.55	-
167.86												
3	25	21	1.01	-16.80	-16.77	0.99	0.67	49.11	-180.10	-164.66	33.67	57.45

3	25	23	0.36	-11.13	-11.09	0.33	-0.66	401.64	-547.83	-347.61	201.41	-387.32
3	25	60	-4.17	-17.86	-16.46	-5.57	4.15	11.08	-671.00	-635.32	-24.60	151.86
3	25	61	-1.08	-4.92	-1.26	-4.74	0.83	253.16	-243.65	-243.10	252.61	-16.46
3	25	62	-0.13	-4.23	-3.50	-0.86	1.57	-52.55	-1042.01	-1032.07	-62.49	98.65
3	25	74	-1.77	-2.25	-1.95	-2.06	0.23	230.02	-195.90	-141.12	175.24	142.60
3	25	105	-1.58	-20.11	-20.09	-1.59	0.48	350.95	82.37	310.31	123.02	96.26
3	25	106	12.30	-27.67	-19.25	3.88	16.30	421.09	-36.09	264.17	120.83	-217.07
3	25	107	13.09	-10.66	-0.52	2.95	11.75	4.00	-305.89	-305.83	3.94	4.10
3	25	148	6.82	2.46	2.47	6.81	0.18	157.58	-118.13	-32.92	72.38	-127.41
3	25	149	3.28	-4.55	3.79e-02	-1.31	3.85	318.45	-67.64	146.72	104.10	191.87
3	25	150	5.98	-5.22	1.33	-0.57	-5.52	-86.93	-257.10	-224.56	-119.47	66.93
3	26	21	-1.36	-6.15	-6.13	-1.38	0.28	-14.55	-253.34	-252.41	-15.48	14.84
3	26	23	-0.56	-36.21	-36.16	-0.61	-1.40	312.36	-657.41	-370.18	25.13	-442.77
3	26	60	1.26	-6.44	-3.35	-1.82	3.77	-58.68	-348.77	-341.70	-65.76	44.75
3	26	61	-2.89	-5.21	-2.98	-5.12	-0.46	249.68	-360.97	-295.56	184.27	-188.85
3	26	62	-2.47	-35.84	-32.10	-6.21	10.53	-32.07	-1477.47	-1477.36	-32.17	12.25
3	26	74	2.48	-7.49	-3.36	-1.65	4.91	181.71	-198.48	-145.67	128.90	131.49
3	26	105	-0.74	-9.95	-9.95	-0.74	0.11	105.94	-175.88	-154.79	84.85	74.16
3	26	106	3.89	-43.28	-41.93	2.55	7.85	744.19	195.51	725.53	214.17	-99.45
3	26	107	7.42	-5.78	-1.98	3.61	5.98	38.95	-391.46	-390.97	38.46	14.52
3	26	148	2.52	0.85	0.89	2.47	0.28	-8.60	-67.49	-51.33	-24.76	-26.28
3	26	149	-9.09e-02	-1.01	-0.65	-0.46	0.45	141.70	-109.39	0.68	31.62	124.59
3	26	150	3.39	-2.82	0.81	-0.24	-3.06	42.45	-130.64	-71.39	-16.80	-82.13
3	27	21	4.51	-15.29	-15.26	4.48	0.71	112.04	-63.05	-29.29	78.28	69.08
3	27	23	46.02	1.61	45.95	1.68	1.81	386.19	-269.52	-206.15	322.83	193.73
3	27	60	-5.68	-19.71	-19.70	-5.69	-0.36	140.34	-738.97	-693.29	94.66	195.13
3	27	61	6.49	0.78	5.02	2.26	2.50	351.49	-307.40	-103.23	147.33	304.70
3	27	62	64.05	4.90	58.17	10.78	-17.69	624.37	4.21	583.51	45.06	153.85
3	27	74	11.15	-7.09	4.34	-0.28	-8.82	122.23	-204.37	-203.54	121.41	16.40
3	27	105	-0.62	-13.87	-13.82	-0.68	0.85	635.14	32.61	634.92	32.82	11.27
3	27	106	40.31	-2.80	35.96	1.56	12.99	-69.59	-1117.62	-1085.51	-101.69	-180.59
3	27	107	10.56	-8.12	4.43	-1.99	8.77	70.46	-115.61	-53.62	8.46	-87.70
3	27	148	6.25	2.26	2.27	6.24	-0.16	219.17	-146.45	-11.32	84.04	-176.48
3	27	149	5.46	-5.45	1.23	-1.22	5.31	390.81	-11.34	230.30	149.17	196.94
3	27	150	3.52	-3.18	0.67	-0.32	-3.31	-28.94	-419.98	-292.72	-156.20	183.22
3	28	21	24.05	-4.20	24.03	-4.19	-0.70	-66.11	-310.89	-298.07	-78.92	-54.52
3	28	23	-1.02	-45.76	-45.74	-1.04	-0.80	-305.99	-326.24	-320.92	-311.31	-8.91
3	28	60	27.69	7.84	27.52	8.01	-1.81	377.74	-111.55	318.88	-52.70	-159.17
3	28	61	2.31	-2.36	-0.98	0.93	-2.13	38.23	-403.54	-265.12	-100.19	-204.92
3	28	62	-3.10	-48.61	-43.53	-8.17	14.32	137.96	-778.67	-766.40	125.69	-105.34
3	28	74	8.18	-7.06	-0.25	1.37	7.58	-43.98	-212.87	-211.96	-44.89	12.34
3	28	105	24.87	2.54	24.86	2.55	-0.48	-20.52	-908.41	-904.00	-24.93	-62.43
3	28	106	3.08	-56.72	-50.00	-3.63	-18.88	502.23	-19.78	276.26	206.19	258.64
3	28	107	12.88	-13.17	-0.73	0.45	-13.01	113.03	-309.21	-306.47	110.29	33.92
3	28	148	-3.54	-9.80	-3.54	-9.80	8.99e-02	25.82	-359.56	-69.29	-264.45	166.15
3	28	149	7.37	-6.59	-1.14	1.91	-6.81	-85.01	-257.78	-251.00	-91.79	-33.56
3	28	150	6.10	-6.45	-1.35	1.00	6.16	531.83	-87.78	234.58	209.47	-309.55
3	29	21	4.37	-22.29	-22.25	4.34	0.92	122.57	-90.07	-49.68	82.19	83.41
3	29	23	49.91	1.43	49.89	1.46	1.13	373.00	-251.51	-249.42	370.92	-36.06
3	29	60	-7.65	-25.97	-25.79	-7.83	1.84	120.90	-887.28	-830.42	64.04	232.56
3	29	61	4.32	-1.85	3.06	-0.58	2.49	349.16	-256.59	-142.36	234.93	236.95
3	29	62	52.04	3.90	47.27	8.66	-14.38	190.70	-154.51	51.53	-15.35	169.34
3	29	74	8.04	-7.29	2.12	-1.37	-7.46	186.64	-188.63	-174.40	172.41	71.67
3	29	105	-1.60	-22.92	-22.89	-1.63	0.88	737.40	72.54	731.67	78.27	61.44
3	29	106	61.10	-3.21	54.44	3.45	19.59	50.11	-771.68	-672.44	-49.14	-267.79
3	29	107	15.07	-12.34	2.93	-0.20	13.62	15.00	-153.52	-130.14	-8.38	-58.25
3	29	148	9.07	3.29	3.29	9.07	-4.47e-02	282.73	-160.10	-12.33	134.96	-208.80
3	29	149	6.39	-7.08	1.08	-1.77	6.58	455.03	-20.13	268.56	166.34	232.02
3	29	150	6.25	-5.60	1.30	-0.65	-5.84	-51.07	-493.79	-346.47	-198.39	208.61

3	30	21	17.05	-4.34	17.04	-4.33	-0.49	-68.55	-324.92	-318.46	-75.02	-40.19
3	30	23	-1.20	-41.86	-41.80	-1.26	-1.48	-69.72	-557.69	-364.19	-263.22	-238.70
3	30	60	21.45	5.85	21.44	5.86	0.38	229.17	-130.74	181.75	-83.31	-121.74
3	30	61	-0.22	-4.62	-2.94	-1.90	-2.14	150.79	-467.63	-304.25	-12.59	-272.66
3	30	62	-4.11	-60.61	-54.43	-10.29	17.64	71.18	-1304.27	-1298.38	65.28	-89.85
3	30	74	7.94	-10.14	-2.47	0.28	8.93	27.82	-204.52	-182.82	6.12	67.61
3	30	105	15.80	1.58	15.79	1.59	-0.44	20.71	-807.44	-807.25	20.53	-12.25
3	30	106	2.67	-35.93	-31.52	-1.74	-12.28	749.26	198.82	689.33	258.74	171.45
3	30	107	8.47	-8.47	-2.23	2.24	-8.17	101.73	-391.27	-382.99	93.44	63.37
3	30	148	-2.51	-6.97	-2.52	-6.96	0.20	9.87	-293.70	-70.30	-213.53	133.83
3	30	149	5.73	-5.66	-1.29	1.37	-5.54	-74.61	-212.76	-212.74	-74.62	1.52
3	30	150	3.67	-3.72	-0.72	0.67	3.63	458.29	-110.18	180.83	167.28	-284.16
3	31	21	4.52	-15.08	-15.06	4.49	0.70	112.37	-63.46	-29.09	77.99	69.73
3	31	23	55.69	1.62	55.63	1.68	1.83	387.05	-270.89	-205.67	321.83	196.60
3	31	60	-5.61	-19.53	-19.51	-5.62	-0.45	140.46	-737.88	-692.04	94.61	195.36
3	31	61	6.49	0.86	4.99	2.37	2.49	352.08	-309.39	-103.12	145.81	306.42
3	31	62	64.56	4.92	58.63	10.85	-17.85	627.74	4.57	586.71	45.61	154.56
3	31	74	11.20	-7.17	4.31	-0.27	-8.90	121.16	-204.65	-203.91	120.42	15.52
3	31	105	-0.61	-13.60	-13.55	-0.67	0.84	634.31	32.18	634.12	32.37	10.65
3	31	106	57.93	-1.38	55.04	1.51	12.77	-70.89	-1118.07	-1086.86	-102.11	-178.08
3	31	107	10.38	-8.03	4.39	-2.04	8.62	63.28	-107.16	-52.85	8.97	-79.42
3	31	148	6.16	2.23	2.23	6.16	-0.16	217.95	-146.45	-11.43	82.93	-175.99
3	31	149	5.42	-5.39	1.23	-1.20	5.27	390.21	-11.68	229.96	148.58	196.78
3	31	150	3.45	-3.11	0.65	-0.31	-3.24	-28.17	-419.00	-291.98	-155.19	183.05
3	32	21	24.25	-4.19	24.23	-4.17	-0.71	-66.66	-310.42	-297.87	-79.21	-53.86
3	32	23	-1.02	-36.08	-36.07	-1.04	-0.78	-309.09	-323.65	-320.44	-312.30	-6.04
3	32	60	27.89	7.89	27.71	8.07	-1.90	378.69	-111.30	320.14	-52.75	-158.93
3	32	61	2.39	-2.35	-1.01	1.04	-2.14	35.62	-402.34	-265.01	-101.71	-203.19
3	32	62	-3.08	-48.09	-43.08	-8.10	14.16	138.38	-775.35	-763.21	126.24	-104.63
3	32	74	8.09	-7.00	-0.28	1.38	7.50	-45.09	-213.11	-212.33	-45.87	11.47
3	32	105	25.14	2.55	25.13	2.56	-0.49	-20.88	-909.30	-904.80	-25.38	-63.05
3	32	106	6.16	-40.75	-30.92	-3.68	-19.10	503.77	-23.09	274.91	205.78	261.15
3	32	107	12.98	-13.37	-0.78	0.39	-13.16	115.03	-309.93	-305.70	110.79	42.20
3	32	148	-3.57	-9.88	-3.57	-9.88	8.51e-02	25.88	-360.84	-69.40	-265.56	166.64
3	32	149	7.42	-6.63	-1.13	1.93	-6.85	-85.53	-258.20	-251.35	-92.38	-33.72
3	32	150	6.17	-6.52	-1.37	1.01	6.23	532.86	-87.06	235.32	210.48	-309.71
3	33	21	4.36	-22.49	-22.46	4.33	0.92	122.25	-89.67	-49.88	82.47	82.75
3	33	23	40.24	1.43	40.21	1.46	1.11	374.34	-252.33	-249.91	371.91	-38.93
3	33	60	-7.69	-26.18	-25.98	-7.90	1.92	120.77	-888.35	-831.68	64.10	232.33
3	33	61	4.33	-1.93	3.09	-0.69	2.49	349.02	-255.04	-142.47	236.45	235.22
3	33	62	51.53	3.88	46.82	8.58	-14.21	187.88	-155.44	48.34	-15.89	168.63
3	33	74	7.98	-7.21	2.15	-1.38	-7.39	187.94	-188.57	-174.03	173.40	72.55
3	33	105	-1.60	-23.19	-23.15	-1.64	0.89	738.31	72.88	732.47	78.72	62.07
3	33	106	44.84	-5.99	35.36	3.49	19.80	52.28	-772.09	-671.09	-48.72	-270.30
3	33	107	15.27	-12.43	2.98	-0.15	13.76	20.38	-160.17	-130.91	-8.89	-66.53
3	33	148	9.16	3.32	3.32	9.16	-3.99e-02	283.96	-160.12	-12.22	136.07	-209.30
3	33	149	6.42	-7.13	1.07	-1.78	6.63	455.63	-19.79	268.91	166.93	232.18
3	33	150	6.32	-5.67	1.31	-0.66	-5.91	-51.83	-494.77	-347.20	-199.40	208.77
3	34	21	16.84	-4.35	16.83	-4.34	-0.48	-68.07	-325.32	-318.66	-74.73	-40.84
3	34	23	-1.21	-51.53	-51.48	-1.25	-1.50	-66.50	-560.40	-364.67	-262.22	-241.58
3	34	60	21.26	5.79	21.25	5.80	0.47	228.25	-131.02	180.49	-83.26	-121.97
3	34	61	-0.28	-4.64	-2.91	-2.02	-2.13	153.41	-468.84	-304.36	-11.07	-274.39
3	34	62	-4.12	-61.13	-54.88	-10.36	17.80	70.71	-1307.55	-1301.58	64.74	-90.56
3	34	74	8.02	-10.20	-2.44	0.27	9.01	29.26	-204.61	-182.46	7.11	68.49
3	34	105	15.54	1.57	15.52	1.59	-0.43	21.14	-806.61	-806.45	20.98	-11.63
3	34	106	1.12	-53.42	-50.60	-1.69	-12.06	748.95	200.89	690.68	259.16	168.94
3	34	107	8.38	-8.28	-2.19	2.29	-8.02	99.22	-390.04	-383.76	92.94	55.09

3	34	148	-2.48	-6.89	-2.49	-6.88	0.21	9.81	-292.42	-70.19	-212.42	133.34
3	34	149	5.68	-5.62	-1.30	1.35	-5.49	-74.01	-212.42	-212.40	-74.03	1.68
3	34	150	3.60	-3.65	-0.71	0.66	3.56	457.26	-110.89	180.10	166.27	-
283.99												
3	35	21	4.12	-13.38	-13.35	4.09	0.66	124.74	-60.57	-17.43	81.60	78.31
3	35	23	41.96	1.81	41.88	1.88	1.75	358.05	-284.40	-225.91	299.56	184.82
3	35	60	-5.07	-17.95	-17.93	-5.08	-0.45	137.04	-724.03	-676.57	89.58	196.51
3	35	61	6.24	0.88	4.89	2.23	2.33	377.32	-336.60	-96.75	137.47	337.21
3	35	62	60.48	4.73	55.00	10.21	-16.60	693.67	-8.11	650.70	34.86	168.25
3	35	74	10.84	-6.61	4.39	-0.16	-8.42	118.88	-203.55	-200.16	115.49	32.88
3	35	105	-0.42	-11.45	-11.39	-0.48	0.81	640.85	67.33	640.63	67.55	11.25
3	35	106	34.49	-2.54	30.77	1.18	11.13	-80.75	-1196.13	-1173.57	-103.30	-
157.01												
3	35	107	9.29	-6.89	4.27	-1.87	7.49	30.43	-66.73	-38.16	1.85	-44.27
3	35	148	5.47	1.98	1.99	5.46	-0.19	209.44	-147.38	-9.63	71.70	-
173.71												
3	35	149	5.11	-4.99	1.19	-1.07	4.92	389.53	-7.02	233.04	149.48	193.82
3	35	150	2.87	-2.54	0.54	-0.21	-2.68	-16.40	-412.43	-284.34	-144.49	185.26
3	36	21	22.14	-3.81	22.12	-3.80	-0.65	-65.61	-326.57	-309.93	-82.24	-63.75
3	36	23	-1.23	-41.69	-41.68	-1.24	-0.74	-288.04	-301.16	-301.16	-288.04	-
1.27e-03												
3	36	60	25.91	7.24	25.75	7.40	-1.72	364.68	-110.13	302.17	-47.61	-
160.54												
3	36	61	2.21	-2.10	-0.84	0.96	-1.96	73.17	-435.11	-271.60	-90.33	-
237.43												
3	36	62	-2.92	-45.04	-40.36	-7.60	13.24	150.47	-848.16	-833.59	135.90	-
119.74												
3	36	74	7.69	-6.75	-0.29	1.24	7.18	-38.87	-215.44	-215.35	-38.96	-4.14
3	36	105	22.44	2.35	22.43	2.36	-0.44	-55.11	-914.26	-909.70	-59.66	-62.41
3	36	106	2.82	-50.90	-44.82	-3.26	-17.02	533.80	38.32	364.32	207.81	235.05
3	36	107	11.62	-11.86	-0.57	0.33	-11.73	117.11	-322.14	-321.93	116.90	-9.51
3	36	148	-3.27	-9.02	-3.27	-9.02	0.12	25.27	-348.35	-70.98	-252.10	163.39
3	36	149	6.91	-6.24	-1.10	1.76	-6.42	-86.56	-259.27	-253.73	-92.10	-30.44
3	36	150	5.46	-5.79	-1.22	0.89	5.53	523.89	-99.93	226.20	197.76	-
311.58												
3	37	21	3.99	-20.37	-20.34	3.95	0.87	135.13	-87.44	-37.82	85.51	92.64
3	37	23	45.85	1.64	45.82	1.66	1.06	350.91	-272.44	-269.18	347.65	-44.97
3	37	60	-7.05	-24.19	-24.01	-7.23	1.75	117.72	-872.46	-813.71	58.96	233.94
3	37	61	4.07	-1.75	2.92	-0.60	2.32	368.91	-279.72	-135.88	225.07	269.46
3	37	62	48.47	3.72	44.10	8.09	-13.29	243.98	-150.81	118.73	-25.55	183.74
3	37	74	7.73	-6.81	2.16	-1.24	-7.07	188.13	-192.65	-171.02	166.49	88.15
3	37	105	-1.40	-20.49	-20.46	-1.44	0.84	743.35	107.02	737.37	113.01	61.42
3	37	106	55.28	-2.95	49.26	3.07	17.73	25.15	-836.40	-760.50	-50.75	-
244.20												
3	37	107	13.76	-11.07	2.77	-8.53e-02	12.33	-12.84	-116.83	-114.67	-14.99	-14.82
3	37	148	8.30	3.01	3.02	8.30	-7.83e-02	272.53	-160.56	-10.64	122.61	-
206.04												
3	37	149	6.04	-6.62	1.04	-1.61	6.19	453.77	-15.83	271.29	166.65	228.90
3	37	150	5.59	-4.97	1.17	-0.54	-5.21	-38.54	-486.22	-338.09	-186.67	210.65
3	38	21	15.14	-3.95	15.13	-3.94	-0.44	-68.99	-339.67	-330.32	-78.34	-49.42
3	38	23	-1.40	-37.80	-37.74	-1.46	-1.42	-56.54	-527.85	-344.43	-239.95	-
229.79												
3	38	60	19.68	5.24	19.67	5.26	0.47	216.46	-129.66	165.03	-78.23	-
123.11												
3	38	61	-0.32	-4.37	-2.81	-1.88	-1.97	185.10	-498.56	-310.73	-2.73	-
305.18												
3	38	62	-3.93	-57.05	-51.26	-9.72	16.55	82.99	-1373.07	-1365.57	75.49	-
104.25												
3	38	74	7.46	-9.82	-2.52	0.15	8.54	24.45	-198.62	-186.21	12.04	51.13
3	38	105	13.37	1.39	13.36	1.40	-0.40	-14.02	-813.14	-812.96	-14.21	-12.23
3	38	106	2.41	-30.11	-26.33	-1.36	-10.42	816.69	221.06	777.39	260.36	147.86
3	38	107	7.22	-7.18	-2.08	2.12	-6.89	100.85	-399.25	-398.45	100.05	19.94
3	38	148	-2.23	-6.20	-2.24	-6.19	0.24	9.53	-282.71	-71.99	-201.19	131.06
3	38	149	5.28	-5.31	-1.25	1.21	-5.15	-74.78	-215.63	-215.48	-74.93	4.64
3	38	150	3.04	-3.07	-0.59	0.56	3.00	450.33	-122.31	172.45	155.57	-
286.19												
3	39	21	4.13	-13.17	-13.15	4.11	0.65	125.12	-61.03	-17.23	81.31	78.97
3	39	23	51.62	1.82	51.56	1.88	1.76	358.86	-285.72	-225.43	298.56	187.69
3	39	60	-5.00	-17.77	-17.74	-5.02	-0.54	137.17	-722.96	-675.32	89.53	196.74
3	39	61	6.24	0.96	4.85	2.34	2.32	377.99	-338.68	-96.64	135.95	338.94
3	39	62	60.99	4.74	55.45	10.28	-16.77	697.05	-7.74	653.90	35.40	168.96
3	39	74	10.89	-6.69	4.35	-0.15	-8.50	117.72	-203.74	-200.52	114.50	32.01

3	39	105	-0.41	-11.18	-11.12	-0.47	0.80	640.02	66.91	639.82	67.10	10.62
3	39	106	52.19	-1.20	49.86	1.14	10.91	-81.88	-1196.75	-1174.92	-103.72	-154.50
3	39	107	9.11	-6.81	4.23	-1.93	7.34	23.60	-58.63	-37.38	2.36	-35.99
3	39	148	5.39	1.95	1.96	5.38	-0.20	208.24	-147.39	-9.74	70.59	-173.22
3	39	149	5.07	-4.94	1.19	-1.05	4.88	388.93	-7.35	232.69	148.89	193.66
3	39	150	2.80	-2.47	0.53	-0.20	-2.61	-15.63	-411.45	-283.60	-143.48	185.09
3	40	21	22.34	-3.80	22.33	-3.79	-0.66	-66.18	-326.08	-309.73	-82.53	-63.10
3	40	23	-1.23	-32.02	-32.00	-1.24	-0.72	-288.37	-301.35	-300.68	-289.04	2.87
3	40	60	26.11	7.29	25.94	7.47	-1.81	365.61	-109.85	303.42	-47.66	-160.31
3	40	61	2.29	-2.10	-0.88	1.07	-1.97	70.56	-433.90	-271.49	-91.85	-235.70
3	40	62	-2.91	-44.52	-39.91	-7.53	13.07	150.89	-844.84	-830.40	136.45	-119.03
3	40	74	7.61	-6.69	-0.33	1.25	7.10	-39.81	-215.86	-215.71	-39.95	-5.02
3	40	105	22.71	2.35	22.70	2.36	-0.45	-55.47	-915.15	-910.50	-60.11	-63.03
3	40	106	6.05	-35.08	-25.73	-3.30	-17.24	535.16	35.20	362.97	207.39	237.56
3	40	107	11.72	-12.06	-0.62	0.28	-11.88	117.41	-321.17	-321.16	117.40	-1.23
3	40	148	-3.30	-9.11	-3.30	-9.10	0.12	25.33	-349.63	-71.09	-253.21	163.88
3	40	149	6.96	-6.28	-1.09	1.78	-6.46	-87.08	-259.69	-254.08	-92.69	-30.60
3	40	150	5.53	-5.87	-1.24	0.90	5.60	524.92	-99.22	226.94	198.76	-311.75
3	41	21	3.97	-20.58	-20.55	3.94	0.87	134.76	-86.99	-38.02	85.79	91.99
3	41	23	36.18	1.63	36.15	1.67	1.05	352.32	-273.34	-269.66	348.64	-47.84
3	41	60	-7.10	-24.40	-24.21	-7.29	1.83	117.58	-873.53	-814.96	59.01	233.70
3	41	61	4.08	-1.84	2.96	-0.72	2.32	368.64	-278.04	-135.99	226.59	267.73
3	41	62	47.96	3.70	43.65	8.02	-13.12	240.96	-151.54	115.53	-26.10	183.03
3	41	74	7.67	-6.73	2.19	-1.26	-6.99	189.49	-192.66	-170.65	167.48	89.03
3	41	105	-1.41	-20.76	-20.72	-1.45	0.85	744.28	107.36	738.17	113.46	62.04
3	41	106	39.12	-5.83	30.17	3.12	17.95	27.08	-836.57	-759.15	-50.34	-246.71
3	41	107	13.95	-11.17	2.82	-3.21e-02	12.48	-10.41	-120.53	-115.44	-15.50	-23.10
3	41	148	8.38	3.05	3.05	8.38	-7.35e-02	273.76	-160.57	-10.53	123.72	-206.53
3	41	149	6.08	-6.68	1.03	-1.63	6.24	454.37	-15.49	271.64	167.24	229.06
3	41	150	5.67	-5.03	1.18	-0.55	-5.28	-39.31	-487.20	-338.82	-187.68	210.81
3	42	21	14.93	-3.96	14.92	-3.95	-0.43	-68.48	-340.09	-330.52	-78.05	-50.08
3	42	23	-1.41	-47.46	-47.42	-1.46	-1.44	-53.32	-530.56	-344.92	-238.96	-232.66
3	42	60	19.50	5.17	19.48	5.20	0.56	215.57	-129.97	163.78	-78.18	-123.35
3	42	61	-0.38	-4.39	-2.78	-1.99	-1.96	187.72	-499.77	-310.84	-1.21	-306.91
3	42	62	-3.94	-57.56	-51.71	-9.80	16.72	82.54	-1376.36	-1368.77	74.95	-104.96
3	42	74	7.54	-9.88	-2.48	0.14	8.61	25.81	-198.62	-185.84	13.03	52.00
3	42	105	13.11	1.38	13.09	1.39	-0.39	-13.59	-812.32	-812.15	-13.76	-11.61
3	42	106	0.93	-47.67	-45.42	-1.32	-10.20	816.74	222.77	778.74	260.77	145.35
3	42	107	7.13	-6.99	-2.03	2.18	-6.74	99.82	-399.49	-399.22	99.55	11.66
3	42	148	-2.20	-6.12	-2.21	-6.10	0.24	9.48	-281.43	-71.88	-200.08	130.57
3	42	149	5.22	-5.28	-1.25	1.20	-5.10	-74.17	-215.29	-215.13	-74.34	4.80
3	42	150	2.97	-3.00	-0.58	0.55	2.93	449.30	-123.02	171.72	154.56	-286.03
3	43	21	5.44	1.28	5.44	1.28	-1.96e-03	15.98	-115.89	-115.01	15.10	10.70
3	43	23	7.97	0.56	7.71	0.82	1.37	243.37	-417.78	-215.08	40.67	304.84
3	43	60	5.15	-0.59	3.27	1.29	-2.69	66.63	-199.16	-195.84	63.30	29.54
3	43	61	4.93	3.43	4.31	4.05	0.74	100.59	-252.01	-133.13	-18.28	166.68
3	43	62	30.68	2.64	28.08	5.24	-8.13	508.21	120.69	503.45	125.45	42.69
3	43	74	6.79	-1.16	4.39	1.23	-3.65	20.17	-232.91	-229.37	16.63	-29.72
3	43	105	8.36	1.32	8.35	1.34	0.32	28.70	-85.08	-30.16	-26.22	-56.86
3	43	106	-0.21	-13.60	-11.84	-1.97	-4.53	-23.07	-908.05	-904.23	-26.90	58.04
3	43	107	5.23	-4.07	3.66	-2.51	-3.48	84.99	-111.84	-88.05	61.21	-64.15
3	43	148	-0.77	-2.21	-0.79	-2.19	-0.16	-26.61	-96.29	-32.59	-90.31	-19.52
3	43	149	0.78	8.81e-02	0.45	0.42	-0.35	111.72	-52.04	16.01	43.67	80.70
3	43	150	2.35	-2.51	-0.62	0.46	2.37	26.31	-56.35	-47.76	17.72	-25.23
3	44	21	14.74	-0.78	14.73	-0.77	-0.33	-20.02	-181.14	-178.95	-22.22	-18.67
3	44	23	0.22	-14.08	-14.04	0.19	0.75	88.87	-441.08	-242.23	-109.98	256.59
3	44	60	15.31	3.68	14.45	4.53	-3.04	91.80	-18.80	44.74	28.26	-54.68
3	44	61	3.87	2.76	2.90	3.73	-0.37	-58.71	-190.01	-171.55	-77.17	45.63
3	44	62	4.05	0.66	3.96	0.75	-0.54	191.10	136.85	183.51	144.45	-18.83

3	44	74	3.34	1.60	3.31	1.63	0.24	-18.51	-235.84	-231.40	-22.95	-30.73
3	44	105	17.49	2.11	17.49	2.11	-3.10e-04	-24.87	-411.07	-396.03	-39.91	-74.71
3	44	106	1.17	-36.60	-32.22	-3.20	-12.09	85.81	-620.62	-581.05	46.25	162.43
3	44	107	9.18	-8.66	2.45	-1.93	-8.65	90.56	-153.27	-147.88	85.17	-35.85
3	44	148	-2.16	-5.99	-2.16	-5.99	-9.73e-02	-21.16	-198.37	-46.39	-173.14	61.93
3	44	149	3.80	-2.76	-0.12	1.17	-3.22	-6.27	-105.70	-98.40	-13.57	25.94
3	44	150	4.53	-4.87	-1.10	0.76	4.61	234.15	-51.91	77.59	104.65	-
142.39												
3	45	21	0.95	-12.98	-12.96	0.93	0.55	36.50	-179.82	-168.80	25.48	47.56
3	45	23	18.19	0.23	18.18	0.24	-0.42	311.72	-470.24	-328.11	169.59	-
301.56												
3	45	60	-3.36	-13.72	-12.72	-4.36	3.06	11.95	-585.15	-556.28	-16.91	128.08
3	45	61	-0.63	-3.57	-0.82	-3.38	0.72	212.32	-236.34	-235.93	211.91	-13.60
3	45	62	0.26	-0.73	-0.22	-0.26	0.49	-26.24	-906.24	-898.37	-34.10	82.82
3	45	74	-1.38	-1.70	-1.44	-1.64	-0.12	188.78	-193.27	-154.96	150.47	114.75
3	45	105	-1.18	-15.53	-15.52	-1.20	0.41	256.91	60.04	223.70	93.26	73.73
3	45	106	40.97	-1.29	36.66	3.02	12.79	323.36	-27.69	184.87	110.81	-
171.57												
3	45	107	10.29	-8.36	-0.25	2.18	9.25	17.17	-289.16	-288.72	16.74	11.51
3	45	148	5.27	1.90	1.91	5.27	0.14	115.98	-107.56	-35.24	43.65	-
104.58												
3	45	149	2.56	-3.52	5.57e-02	-1.02	2.99	275.12	-71.04	115.96	88.12	172.52
3	45	150	4.67	-4.04	1.04	-0.41	-4.29	-78.13	-204.91	-189.48	-93.57	41.45
3	46	21	-1.11	-3.68	-3.66	-1.12	0.22	-10.35	-234.23	-232.74	-11.84	18.19
3	46	23	-8.28e-02	-3.88	-3.56	-0.40	-1.04	228.54	-564.87	-355.26	18.94	-
349.81												
3	46	60	1.40	-4.05	-1.54	-1.11	2.72	-44.85	-322.81	-315.71	-51.95	43.85
3	46	61	-2.14	-3.79	-2.23	-3.70	-0.38	191.91	-313.23	-274.35	153.02	-
134.65												
3	46	62	-1.85	-27.24	-24.34	-4.75	8.08	-14.73	-1218.69	-1218.32	-15.11	21.30
3	46	74	1.94	-5.69	-2.52	-1.24	3.76	152.67	-198.76	-156.99	110.89	113.74
3	46	105	-0.42	-6.37	-6.37	-0.42	8.72e-02	92.85	-155.45	-142.17	79.57	55.87
3	46	106	17.97	9.45e-02	16.28	1.79	5.24	521.42	170.58	508.05	183.95	-67.18
3	46	107	5.24	-3.95	-1.46	2.76	4.08	44.73	-352.58	-348.55	40.70	39.81
3	46	148	1.51	0.49	0.53	1.47	0.20	-20.46	-67.75	-49.03	-39.18	-23.13
3	46	149	-0.23	-0.56	-0.51	-0.28	0.12	134.88	-102.46	1.55	30.88	117.76
3	46	150	2.31	-1.85	0.56	-0.11	-2.05	45.60	-116.36	-64.12	-6.64	-75.71
3	47	21	5.88	1.19	5.88	1.19	-1.37e-02	17.17	-113.48	-112.19	15.89	12.90
3	47	23	7.04	0.57	6.74	0.87	1.36	236.11	-420.79	-219.79	35.12	302.71
3	47	60	5.50	-0.38	3.69	1.43	-2.71	65.56	-195.32	-191.86	62.09	29.87
3	47	61	4.87	3.45	4.28	4.04	0.70	106.93	-259.13	-131.58	-20.62	174.42
3	47	62	29.84	2.60	27.33	5.11	-7.88	524.76	117.72	519.47	123.01	46.12
3	47	74	6.72	-1.05	4.40	1.26	-3.56	17.92	-231.24	-228.55	15.23	-25.76
3	47	105	8.93	1.37	8.92	1.38	0.31	33.74	-80.55	-28.80	-18.01	-56.89
3	47	106	-0.15	-14.98	-13.07	-2.06	-4.97	-22.79	-929.71	-925.22	-27.28	63.65
3	47	107	5.43	-4.29	3.62	-2.48	-3.78	77.81	-102.57	-84.38	59.61	-54.33
3	47	148	-0.83	-2.39	-0.85	-2.37	-0.16	-26.83	-98.61	-32.19	-93.25	-18.87
3	47	149	0.89	9.78e-03	0.44	0.46	-0.44	111.29	-50.90	16.66	43.74	79.96
3	47	150	2.50	-2.66	-0.65	0.48	2.52	28.72	-53.99	-45.77	20.50	-24.74
3	48	21	14.29	-0.69	14.28	-0.68	-0.32	-20.30	-184.46	-181.77	-23.00	-20.86
3	48	23	0.18	-13.12	-13.08	0.14	0.76	96.17	-438.11	-237.52	-104.43	258.72
3	48	60	14.90	3.53	14.04	4.39	-3.01	90.42	-20.19	40.76	29.47	-55.01
3	48	61	3.85	2.81	2.93	3.74	-0.32	-61.91	-186.02	-173.10	-74.83	37.90
3	48	62	4.87	0.72	4.71	0.88	-0.80	181.72	132.67	167.49	146.89	-22.26
3	48	74	3.31	1.59	3.30	1.60	0.14	-15.98	-237.79	-232.22	-21.54	-34.69
3	48	105	16.92	2.07	16.92	2.07	1.03e-02	-32.83	-412.68	-397.38	-48.13	-74.68
3	48	106	1.11	-35.22	-30.99	-3.11	-11.65	84.77	-598.20	-560.07	46.63	156.82
3	48	107	8.89	-8.37	2.48	-1.96	-8.34	95.21	-160.01	-151.56	86.76	-45.67
3	48	148	-2.09	-5.81	-2.10	-5.81	-8.92e-02	-21.54	-195.45	-46.79	-170.20	61.27
3	48	149	3.70	-2.67	-0.11	1.13	-3.13	-5.99	-106.70	-99.04	-13.64	26.69
3	48	150	4.38	-4.72	-1.07	0.73	4.46	232.21	-54.74	75.60	101.86	-
142.87												
3	49	21	0.86	-12.53	-12.51	0.84	0.54	38.37	-178.09	-165.98	26.26	49.75
3	49	23	17.23	0.28	17.22	0.29	-0.44	307.96	-476.75	-332.82	164.03	-
303.69												
3	49	60	-3.20	-13.32	-12.31	-4.22	3.04	11.14	-581.56	-552.30	-18.12	128.41
3	49	61	-0.68	-3.56	-0.85	-3.39	0.68	209.65	-234.46	-234.38	209.57	-5.87
3	49	62	0.12	-1.48	-0.97	-0.39	0.75	-27.84	-891.06	-882.36	-36.55	86.26
3	49	74	-1.42	-1.61	-1.43	-1.61	-2.97e-02	190.01	-195.08	-154.14	149.07	118.71
3	49	105	-1.14	-14.96	-14.95	-1.15	0.40	259.43	67.09	225.05	101.47	73.69
3	49	106	39.59	-1.23	35.43	2.93	12.35	305.25	-30.94	163.89	110.42	-
165.96												

3	49	107	9.99	-8.07	-0.28	2.21	8.94	16.66	-286.56	-285.05	15.15	21.33
3	49	148	5.09	1.84	1.84	5.08	0.13	113.51	-107.63	-34.84	40.71	-
103.92												
3	49	149	2.48	-3.41	4.59e-02	-0.98	2.90	274.76	-69.97	116.60	88.19	171.78
3	49	150	4.51	-3.89	1.01	-0.39	-4.14	-75.13	-203.14	-187.49	-90.78	41.94
3	50	21	-1.02	-4.13	-4.11	-1.03	0.23	-11.48	-236.70	-235.56	-12.62	15.99
3	50	23	-3.30e-02	-3.01	-2.60	-0.44	-1.03	232.00	-558.06	-350.55	24.49	-
347.68												
3	50	60	1.16	-4.37	-1.95	-1.25	2.74	-43.88	-326.55	-319.68	-50.75	43.53
3	50	61	-2.13	-3.77	-2.20	-3.69	-0.34	198.13	-318.67	-275.89	155.36	-
142.39												
3	50	62	-1.81	-26.40	-23.59	-4.62	7.82	-12.40	-1234.60	-1234.33	-12.66	17.87
3	50	74	1.82	-5.62	-2.53	-1.27	3.67	151.29	-196.80	-157.81	112.30	109.78
3	50	105	-0.46	-6.95	-6.95	-0.46	9.78e-02	85.03	-157.20	-143.52	71.35	55.91
3	50	106	19.35	3.33e-02	17.51	1.88	5.68	543.78	169.59	529.03	184.33	-72.80
3	50	107	5.51	-4.20	-1.43	2.73	4.38	44.56	-354.50	-352.23	42.29	29.99
3	50	148	1.69	0.56	0.60	1.65	0.21	-18.16	-67.52	-49.43	-36.24	-23.78
3	50	149	-0.17	-0.63	-0.50	-0.31	0.21	135.30	-103.59	0.90	30.81	118.50
3	50	150	2.46	-2.00	0.59	-0.13	-2.20	43.53	-119.06	-66.11	-9.42	-76.19
3	51	21	5.97	1.31	5.97	1.31	-1.87e-02	15.59	-115.62	-114.41	14.38	12.54
3	51	23	33.10	0.75	33.04	0.81	1.41	248.41	-425.04	-214.32	37.69	312.26
3	51	60	5.75	-0.53	3.77	1.45	-2.92	66.63	-196.12	-192.60	63.11	30.22
3	51	61	5.00	3.54	4.21	4.34	0.73	102.64	-257.60	-132.90	-22.07	171.39
3	51	62	31.95	2.67	29.20	5.42	-8.55	516.02	121.76	510.89	126.89	44.69
3	51	74	6.90	-1.35	4.28	1.26	-3.84	18.28	-234.24	-230.20	14.23	-31.70
3	51	105	9.05	1.35	9.04	1.36	0.30	28.71	-88.11	-32.11	-27.29	-58.36
3	51	106	38.83	-2.72	38.20	-2.09	-5.09	-22.99	-912.27	-907.55	-27.71	64.63
3	51	107	5.38	-4.50	3.53	-2.65	-3.86	73.93	-97.53	-86.13	62.53	-42.71
3	51	148	-0.85	-2.43	-0.86	-2.41	-0.17	-27.77	-98.26	-32.86	-93.17	-18.25
3	51	149	0.93	-2.25e-03	0.46	0.46	-0.46	110.16	-52.73	15.22	42.20	80.32
3	51	150	2.53	-2.70	-0.66	0.48	2.55	29.12	-54.57	-45.81	20.35	-25.63
3	52	21	15.28	-0.75	15.27	-0.75	-0.35	-21.14	-180.15	-178.35	-22.94	-16.83
3	52	23	11.35	0.12	11.29	0.18	0.79	94.51	-448.93	-241.46	-112.96	264.01
3	52	60	15.90	3.75	14.95	4.70	-3.26	92.93	-16.89	47.97	28.07	-54.00
3	52	61	4.13	2.69	2.80	4.02	-0.38	-58.50	-193.77	-171.31	-80.96	50.34
3	52	62	5.29	0.71	5.07	0.93	-0.97	196.54	140.30	190.95	145.89	-16.83
3	52	74	3.20	1.66	3.20	1.66	4.54e-02	-20.30	-237.28	-232.23	-25.35	-32.71
3	52	105	18.18	2.13	18.18	2.13	-2.21e-02	-25.39	-413.57	-397.98	-40.98	-76.22
3	52	106	23.73	-9.23	17.82	-3.32	-12.65	87.92	-626.87	-584.37	45.43	169.02
3	52	107	9.41	-9.16	2.32	-2.07	-9.02	87.38	-146.85	-145.96	86.49	-14.40
3	52	148	-2.24	-6.21	-2.24	-6.21	-0.11	-20.91	-201.76	-46.66	-176.01	63.20
3	52	149	3.95	-2.85	-9.82e-02	1.20	-3.33	-7.88	-106.34	-99.18	-15.04	25.56
3	52	150	4.71	-5.06	-1.13	0.79	4.79	236.88	-50.05	79.55	107.28	-
142.79												
3	53	21	0.93	-13.52	-13.49	0.90	0.57	36.36	-179.56	-169.40	26.20	45.71
3	53	23	0.27	-7.18	-7.15	0.25	-0.46	319.76	-476.07	-328.88	172.57	-
308.99												
3	53	60	-3.42	-14.32	-13.22	-4.52	3.29	11.69	-587.93	-559.51	-16.72	127.40
3	53	61	-0.55	-3.84	-0.72	-3.67	0.73	216.44	-236.91	-236.17	215.70	-18.31
3	53	62	0.13	-1.90	-1.33	-0.44	0.91	-28.10	-913.26	-905.81	-35.54	80.83
3	53	74	-1.32	-1.68	-1.33	-1.66	6.79e-02	192.21	-193.47	-154.14	152.87	116.73
3	53	105	-1.20	-16.22	-16.21	-1.22	0.43	259.84	60.13	225.65	94.32	75.23
3	53	106	10.58	-20.82	-13.38	3.13	13.35	332.14	-32.32	188.19	111.62	-
178.16												
3	53	107	10.80	-8.60	-0.12	2.32	9.62	15.74	-290.96	-290.64	15.41	-9.93
3	53	148	5.49	1.98	1.99	5.48	0.15	119.20	-107.64	-34.96	46.52	-
105.85												
3	53	149	2.65	-3.66	3.77e-02	-1.05	3.11	276.60	-70.27	116.74	89.59	172.90
3	53	150	4.86	-4.21	1.08	-0.44	-4.47	-80.42	-207.21	-191.43	-96.20	41.85
3	54	21	-1.13	-4.22	-4.20	-1.15	0.23	-9.92	-234.54	-233.34	-11.12	16.34
3	54	23	-0.35	-28.94	-28.90	-0.39	-1.08	237.08	-571.19	-356.03	21.92	-
357.24												
3	54	60	1.31	-4.63	-2.04	-1.28	2.94	-44.96	-325.75	-318.94	-51.76	43.17
3	54	61	-2.06	-4.06	-2.13	-3.99	-0.37	197.91	-315.68	-274.58	156.81	-
139.36												
3	54	62	-1.87	-28.52	-25.46	-4.94	8.50	-16.24	-1226.07	-1225.76	-16.55	19.31
3	54	74	2.15	-5.83	-2.41	-1.27	3.95	156.17	-199.04	-156.16	113.29	115.72
3	54	105	-0.44	-7.07	-7.07	-0.44	0.11	94.65	-154.23	-140.22	80.63	57.37
3	54	106	2.83	-34.68	-33.76	1.91	5.80	527.26	168.88	511.37	184.77	-73.77
3	54	107	5.71	-4.15	-1.33	2.89	4.46	40.24	-351.33	-350.47	39.38	18.37
3	54	148	1.73	0.57	0.61	1.69	0.21	-17.36	-67.72	-48.76	-36.32	-24.40
3	54	149	-0.16	-0.68	-0.52	-0.31	0.24	136.43	-101.75	2.34	32.35	118.14

3	54	150	2.50	-2.03	0.60	-0.13	-2.23	42.81	-118.16	-66.08	-9.27	-75.31
3	55	21	6.42	1.22	6.42	1.22	-3.05e-02	16.85	-113.28	-111.59	15.16	14.74
3	55	23	32.14	0.80	32.08	0.86	1.39	241.15	-428.04	-219.03	32.13	310.13
3	55	60	6.10	-0.32	4.19	1.59	-2.94	65.57	-192.29	-188.62	61.90	30.55
3	55	61	4.95	3.57	4.18	4.33	0.69	109.06	-264.81	-131.35	-24.41	179.12
3	55	62	31.11	2.62	28.45	5.29	-8.30	532.58	118.78	526.91	124.45	48.12
3	55	74	6.83	-1.24	4.29	1.29	-3.75	15.96	-232.51	-229.38	12.83	-27.74
3	55	105	9.62	1.39	9.61	1.40	0.29	33.77	-83.60	-30.76	-19.07	-58.40
3	55	106	37.74	-2.95	36.97	-2.18	-5.53	-22.65	-933.98	-928.54	-28.10	70.24
3	55	107	5.60	-4.73	3.50	-2.62	-4.16	68.12	-89.64	-82.46	60.94	-32.89
3	55	148	-0.91	-2.61	-0.93	-2.59	-0.18	-27.92	-100.65	-32.46	-96.11	-17.59
3	55	149	1.03	-8.09e-02	0.45	0.50	-0.55	109.73	-51.59	15.87	42.27	79.58
3	55	150	2.67	-2.85	-0.69	0.51	2.70	31.53	-52.21	-43.82	23.14	-25.15
3	56	21	14.83	-0.66	14.82	-0.66	-0.34	-21.46	-183.43	-181.17	-23.72	-19.02
3	56	23	12.31	7.44e-02	12.26	0.13	0.80	101.81	-445.97	-236.75	-107.41	266.14
3	56	60	15.50	3.60	14.54	4.56	-3.24	91.47	-18.19	44.00	29.28	-54.33
3	56	61	4.11	2.74	2.83	4.02	-0.34	-62.22	-189.26	-172.86	-78.62	42.60
3	56	62	6.12	0.77	5.82	1.06	-1.22	185.87	137.39	174.93	148.33	-20.26
3	56	74	3.19	1.63	3.19	1.63	-4.71e-02	-17.70	-239.29	-233.05	-23.94	-36.67
3	56	105	17.61	2.09	17.61	2.09	-1.15e-02	-33.34	-415.19	-399.33	-49.19	-76.18
3	56	106	24.43	-8.61	19.05	-3.23	-12.20	86.88	-604.45	-563.39	45.81	163.41
3	56	107	9.13	-8.87	2.35	-2.10	-8.72	90.53	-152.08	-149.64	88.09	-24.23
3	56	148	-2.17	-6.03	-2.18	-6.03	-0.10	-21.29	-198.84	-47.06	-173.06	62.54
3	56	149	3.84	-2.76	-8.83e-02	1.17	-3.24	-7.61	-107.33	-99.83	-15.11	26.30
3	56	150	4.56	-4.90	-1.10	0.76	4.64	234.93	-52.88	77.56	104.50	-
143.28												
3	57	21	0.83	-13.07	-13.05	0.81	0.56	38.19	-177.79	-166.58	26.99	47.91
3	57	23	0.32	-8.14	-8.11	0.30	-0.47	316.02	-482.59	-333.59	167.02	-
311.12												
3	57	60	-3.26	-13.92	-12.80	-4.38	3.27	10.87	-584.34	-555.54	-17.93	127.72
3	57	61	-0.59	-3.83	-0.75	-3.67	0.69	213.61	-234.87	-234.62	213.36	-10.57
3	57	62	6.39e-02	-2.72	-2.08	-0.57	1.17	-29.73	-898.05	-889.80	-37.99	84.26
3	57	74	-1.25	-1.70	-1.32	-1.63	0.16	193.47	-195.31	-153.31	151.47	120.69
3	57	105	-1.16	-15.65	-15.64	-1.17	0.42	262.38	67.16	227.00	102.54	75.19
3	57	106	9.86	-21.42	-14.61	3.05	12.91	314.03	-35.58	167.21	111.24	-
172.55												
3	57	107	10.50	-8.31	-0.16	2.34	9.32	13.82	-286.97	-286.97	13.82	-0.11
3	57	148	5.31	1.92	1.92	5.30	0.15	116.72	-107.71	-34.56	43.57	-
105.19												
3	57	149	2.57	-3.56	2.79e-02	-1.02	3.02	276.24	-69.19	117.39	89.66	172.16
3	57	150	4.70	-4.06	1.05	-0.41	-4.32	-77.42	-205.44	-189.44	-93.42	42.34
3	58	21	-1.04	-4.66	-4.65	-1.06	0.25	-11.01	-237.05	-236.16	-11.90	14.15
3	58	23	-0.40	-27.98	-27.93	-0.44	-1.07	240.54	-564.38	-351.32	27.47	-
355.11												
3	58	60	1.07	-4.95	-2.45	-1.42	2.96	-43.97	-329.50	-322.92	-50.55	42.84
3	58	61	-2.04	-4.04	-2.10	-3.98	-0.33	204.19	-321.18	-276.13	159.15	-
147.09												
3	58	62	-1.83	-27.68	-24.71	-4.80	8.24	-13.90	-1241.98	-1241.77	-14.10	15.87
3	58	74	2.04	-5.76	-2.42	-1.30	3.86	154.76	-197.05	-156.99	114.70	111.76
3	58	105	-0.48	-7.64	-7.64	-0.49	0.12	86.85	-156.00	-141.57	72.42	57.41
3	58	106	3.09	-33.62	-32.53	2.00	6.24	549.65	167.86	532.36	185.15	-79.39
3	58	107	5.98	-4.41	-1.30	2.87	4.76	41.15	-354.33	-354.15	40.97	8.55
3	58	148	1.91	0.64	0.68	1.87	0.22	-15.00	-67.54	-49.16	-33.38	-25.06
3	58	149	-9.30e-02	-0.77	-0.51	-0.35	0.33	136.85	-102.88	1.69	32.28	118.89
3	58	150	2.65	-2.18	0.63	-0.16	-2.38	40.74	-120.86	-68.07	-12.06	-75.79
3	59	21	3.58	-11.87	-11.85	3.56	0.58	85.42	-82.39	-59.25	62.28	57.87
3	59	23	36.81	1.29	36.75	1.35	1.47	303.65	-265.06	-222.97	261.56	148.89
3	59	60	-4.47	-15.38	-15.37	-4.47	-0.28	112.91	-639.46	-602.66	76.11	162.29
3	59	61	5.33	0.65	4.16	1.82	2.02	279.44	-272.74	-124.29	130.99	244.81
3	59	62	50.93	3.96	46.32	8.56	-13.96	429.33	4.20	386.08	47.45	128.51
3	59	74	8.89	-5.52	3.61	-0.24	-6.94	111.21	-202.51	-200.96	109.65	22.02
3	59	105	-0.41	-10.73	-10.68	-0.46	0.72	485.75	31.36	485.54	31.56	9.68
3	59	106	32.35	-2.23	28.92	1.20	10.35	-39.89	-924.23	-900.09	-64.04	-
144.11												
3	59	107	8.57	-6.40	3.71	-1.54	7.00	53.00	-123.81	-88.49	17.69	-70.69
3	59	148	4.86	1.76	1.76	4.85	-0.12	166.48	-130.68	-17.42	53.22	-
144.32												
3	59	149	4.29	-4.27	0.96	-0.94	4.17	334.36	-23.89	184.47	126.01	176.72
3	59	150	2.76	-2.44	0.52	-0.20	-2.57	-35.39	-330.87	-243.61	-122.65	134.80
3	60	21	19.15	-3.31	19.14	-3.30	-0.53	-54.76	-279.73	-272.37	-62.13	-40.03
3	60	23	-0.75	-35.76	-35.75	-0.76	-0.60	-238.72	-315.37	-313.46	-240.62	-11.94
3	60	60	22.03	6.21	21.90	6.34	-1.42	247.87	-89.32	199.25	-40.69	-

118.46												
3	60	61	1.89	-1.67	-0.54	0.76	-1.66	25.37	-343.03	-252.35	-65.31	-
158.69												
3	60	62	-2.38	-38.14	-34.09	-6.42	11.32	118.10	-687.74	-680.40	110.76	-76.56
3	60	74	6.57	-5.48	5.63e-03	1.09	6.00	-20.42	-209.58	-207.73	-22.28	18.65
3	60	105	19.81	2.13	19.81	2.13	-0.34	-10.63	-737.46	-734.03	-14.06	-49.84
3	60	106	2.43	-44.34	-39.03	-2.88	-14.84	382.33	-25.38	177.17	179.78	203.85
3	60	107	10.25	-10.21	-0.34	0.38	-10.22	99.01	-289.36	-287.91	97.56	23.66
3	60	148	-2.82	-7.81	-2.82	-7.81	7.62e-02	6.96	-293.27	-63.41	-222.90	127.18
3	60	149	5.84	-5.22	-0.91	1.52	-5.40	-64.54	-197.15	-196.89	-64.79	-5.80
3	60	150	4.85	-5.11	-1.07	0.81	4.89	426.44	-85.08	174.24	167.11	-
255.74												
3	61	21	3.48	-17.39	-17.37	3.45	0.75	93.52	-103.51	-75.38	65.39	68.92
3	61	23	39.91	1.16	39.89	1.18	0.93	302.18	-258.83	-256.88	300.23	-33.03
3	61	60	-6.02	-20.31	-20.17	-6.17	1.45	97.57	-756.32	-710.79	52.04	191.85
3	61	61	3.63	-1.42	2.62	-0.41	2.02	283.06	-238.14	-155.13	200.05	190.72
3	61	62	41.57	3.18	37.83	6.91	-11.38	124.14	-159.02	-34.47	-0.42	140.55
3	61	74	6.45	-5.69	1.86	-1.10	-5.89	162.34	-191.17	-178.64	149.81	65.36
3	61	105	-1.18	-17.87	-17.83	-1.22	0.75	566.48	62.62	561.70	67.41	48.86
3	61	106	48.72	-2.55	43.47	2.70	15.54	50.05	-646.13	-573.35	-22.73	-
213.00												
3	61	107	12.11	-9.70	2.54	-0.14	10.82	18.15	-162.50	-148.69	4.35	-47.99
3	61	148	7.09	2.57	2.57	7.09	-3.09e-02	216.37	-141.17	-18.22	93.41	-
169.83												
3	61	149	5.02	-5.55	0.85	-1.38	5.17	384.59	-30.79	214.45	139.34	204.27
3	61	150	4.91	-4.35	1.02	-0.46	-4.57	-53.17	-388.99	-286.13	-156.03	154.80
3	62	21	13.63	-3.41	13.62	-3.40	-0.36	-55.41	-292.11	-288.51	-59.01	-28.98
3	62	23	-0.89	-32.64	-32.60	-0.93	-1.14	-67.61	-481.71	-347.37	-201.95	-
193.86												
3	62	60	17.11	4.64	17.10	4.65	0.30	131.40	-105.04	91.11	-64.76	-88.90
3	62	61	-8.19e-02	-3.47	-2.08	-1.47	-1.67	116.91	-396.35	-283.19	3.75	-
212.78												
3	62	62	-3.16	-47.49	-42.58	-8.07	13.91	66.46	-1104.51	-1100.95	62.90	-64.52
3	62	74	6.37	-7.88	-1.74	0.23	7.06	35.29	-202.81	-185.40	17.87	61.99
3	62	105	12.66	1.37	12.65	1.37	-0.32	21.95	-658.04	-657.87	21.78	-10.67
3	62	106	2.11	-27.97	-24.48	-1.39	-9.64	557.98	167.02	503.90	221.09	134.97
3	62	107	6.75	-6.47	-1.51	1.79	-6.40	89.14	-353.03	-348.12	84.22	46.36
3	62	148	-2.01	-5.58	-2.01	-5.57	0.17	-5.78	-241.13	-64.20	-182.71	101.67
3	62	149	4.56	-4.49	-1.02	1.09	-4.40	-47.50	-170.87	-166.91	-51.46	21.74
3	62	150	2.94	-2.96	-0.58	0.55	2.89	368.46	-103.01	131.73	133.73	-
235.73												
3	63	21	3.59	-11.71	-11.69	3.56	0.57	85.64	-82.65	-59.07	62.06	58.42
3	63	23	44.40	1.30	44.35	1.35	1.48	304.01	-266.09	-222.74	260.66	151.12
3	63	60	-4.41	-15.23	-15.22	-4.42	-0.35	113.00	-638.63	-601.68	76.05	162.50
3	63	61	5.32	0.71	4.13	1.91	2.02	279.88	-274.24	-124.22	129.86	246.22
3	63	62	51.31	3.97	46.66	8.62	-14.09	431.74	4.45	388.31	47.88	129.11
3	63	74	8.93	-5.58	3.58	-0.23	-7.00	110.41	-202.68	-201.21	108.93	21.43
3	63	105	-0.40	-10.52	-10.47	-0.45	0.72	485.14	31.06	484.95	31.24	9.23
3	63	106	46.23	-1.13	43.93	1.17	10.18	-40.80	-924.57	-901.08	-64.28	-
142.13												
3	63	107	8.42	-6.33	3.67	-1.58	6.89	48.38	-118.21	-87.91	18.08	-64.26
3	63	148	4.79	1.73	1.74	4.79	-0.12	165.55	-130.68	-17.50	52.37	-
143.94												
3	63	149	4.26	-4.22	0.97	-0.93	4.13	333.93	-24.13	184.23	125.57	176.61
3	63	150	2.70	-2.39	0.51	-0.20	-2.52	-34.77	-330.12	-243.03	-121.86	134.67
3	64	21	19.31	-3.30	19.30	-3.29	-0.53	-55.16	-279.37	-272.19	-62.34	-39.48
3	64	23	-0.75	-28.16	-28.15	-0.76	-0.59	-240.23	-314.53	-313.23	-241.52	-9.71
3	64	60	22.19	6.25	22.05	6.39	-1.49	248.55	-89.09	200.22	-40.75	-
118.25												
3	64	61	1.95	-1.67	-0.57	0.85	-1.66	23.31	-342.04	-252.28	-66.45	-
157.28												
3	64	62	-2.37	-37.75	-33.76	-6.37	11.20	118.44	-685.41	-678.17	111.20	-75.96
3	64	74	6.51	-5.43	-2.59e-02	1.10	5.94	-21.25	-209.72	-207.97	-23.00	18.06
3	64	105	20.02	2.13	20.01	2.14	-0.35	-10.89	-738.11	-734.61	-14.38	-50.30
3	64	106	4.87	-31.81	-24.02	-2.92	-15.00	383.69	-27.98	176.18	179.53	205.83
3	64	107	10.32	-10.36	-0.38	0.34	-10.33	100.29	-289.67	-287.34	97.96	30.09
3	64	148	-2.85	-7.88	-2.85	-7.88	7.25e-02	7.02	-294.27	-63.49	-223.76	127.56
3	64	149	5.88	-5.25	-0.90	1.53	-5.43	-64.97	-197.39	-197.13	-65.23	-5.92
3	64	150	4.90	-5.17	-1.08	0.82	4.94	427.25	-84.51	174.83	167.90	-
255.86												
3	65	21	3.47	-17.55	-17.53	3.44	0.75	93.29	-103.25	-75.56	65.61	68.37
3	65	23	32.32	1.16	32.29	1.18	0.92	303.34	-259.33	-257.11	301.13	-35.26

3	65	60	-6.06	-20.48	-20.32	-6.22	1.52	97.49	-757.15	-711.76	52.10	191.65
3	65	61	3.64	-1.48	2.65	-0.49	2.02	282.98	-236.99	-155.20	201.19	189.31
3	65	62	41.19	3.17	37.50	6.86	-11.25	122.32	-159.87	-36.70	-0.85	139.95
3	65	74	6.42	-5.62	1.90	-1.10	-5.83	163.26	-191.12	-178.39	150.53	65.96
3	65	105	-1.19	-18.08	-18.04	-1.22	0.75	567.15	62.86	562.28	67.73	49.31
3	65	106	35.90	-4.71	28.46	2.74	15.71	51.59	-646.42	-572.36	-22.48	-
214.97												
3	65	107	12.26	-9.77	2.58	-9.50e-02	10.93	21.31	-166.63	-149.27	3.95	-54.43
3	65	148	7.15	2.59	2.59	7.15	-2.72e-02	217.32	-141.19	-18.13	94.27	-
170.22												
3	65	149	5.05	-5.60	0.84	-1.39	5.21	385.02	-30.55	214.69	139.78	204.38
3	65	150	4.97	-4.41	1.03	-0.47	-4.63	-53.78	-389.75	-286.71	-156.82	154.92
3	66	21	13.47	-3.42	13.46	-3.41	-0.36	-55.06	-292.42	-288.69	-58.80	-29.53
3	66	23	-0.90	-40.24	-40.20	-0.93	-1.15	-65.00	-483.66	-347.60	-201.05	-
196.09												
3	66	60	16.96	4.59	16.95	4.60	0.37	130.76	-105.32	90.14	-64.70	-89.10
3	66	61	-0.12	-3.48	-2.05	-1.56	-1.66	118.95	-397.32	-283.26	4.88	-
214.19												
3	66	62	-3.17	-47.87	-42.92	-8.13	14.04	66.09	-1106.81	-1103.18	62.47	-65.12
3	66	74	6.43	-7.93	-1.71	0.22	7.11	36.28	-202.84	-185.15	18.59	62.59
3	66	105	12.45	1.36	12.44	1.37	-0.31	22.26	-657.44	-657.28	22.10	-10.22
3	66	106	0.87	-41.71	-39.49	-1.35	-9.47	557.51	168.72	504.90	221.34	132.99
3	66	107	6.68	-6.33	-1.48	1.83	-6.29	87.48	-352.35	-348.69	83.82	39.92
3	66	148	-1.98	-5.52	-1.99	-5.51	0.17	-5.84	-240.14	-64.12	-181.86	101.28
3	66	149	4.51	-4.46	-1.03	1.08	-4.36	-47.03	-170.66	-166.67	-51.02	21.85
3	66	150	2.88	-2.90	-0.56	0.55	2.84	367.65	-103.57	131.14	132.94	-
235.61												
3	67	21	3.27	-10.37	-10.35	3.25	0.54	94.35	-79.31	-49.85	64.88	65.18
3	67	23	33.60	1.46	33.54	1.52	1.42	281.68	-277.31	-238.68	243.04	141.79
3	67	60	-3.99	-14.00	-13.99	-4.00	-0.35	110.23	-627.56	-589.40	72.08	163.38
3	67	61	5.13	0.73	4.06	1.80	1.89	298.52	-294.45	-119.13	123.20	270.60
3	67	62	48.12	3.82	43.82	8.11	-13.11	483.55	-4.79	439.47	39.30	139.95
3	67	74	8.66	-5.14	3.65	-0.13	-6.64	109.00	-202.26	-198.22	104.97	35.22
3	67	105	-0.25	-8.82	-8.77	-0.30	0.69	490.26	58.74	490.05	58.95	9.56
3	67	106	27.75	-2.03	24.82	0.91	8.88	-48.25	-987.09	-970.03	-65.31	-
125.40												
3	67	107	7.56	-5.43	3.59	-1.45	5.99	26.41	-90.26	-76.23	12.38	-37.95
3	67	148	4.25	1.54	1.55	4.24	-0.15	158.87	-131.54	-16.09	43.42	-
142.13												
3	67	149	4.02	-3.91	0.93	-0.83	3.87	333.27	-20.41	186.63	126.24	174.24
3	67	150	2.25	-1.94	0.42	-0.12	-2.08	-25.41	-324.93	-236.98	-113.37	136.41
3	68	21	17.66	-3.00	17.65	-2.99	-0.49	-54.85	-291.65	-281.77	-64.73	-47.35
3	68	23	-0.91	-32.54	-32.53	-0.92	-0.55	-221.80	-298.07	-297.76	-222.11	-4.84
3	68	60	20.64	5.75	20.52	5.87	-1.35	238.02	-88.69	185.99	-36.66	-
119.55												
3	68	61	1.81	-1.47	-0.44	0.78	-1.52	52.33	-367.35	-257.51	-57.51	-
184.48												
3	68	62	-2.24	-35.33	-31.59	-5.98	10.47	127.90	-742.77	-733.79	118.91	-87.99
3	68	74	6.19	-5.24	-2.91e-02	0.99	5.69	-17.44	-210.62	-210.47	-17.59	5.45
3	68	105	17.91	1.97	17.90	1.98	-0.31	-37.92	-742.07	-738.54	-41.45	-49.72
3	68	106	2.22	-39.74	-34.93	-2.59	-13.37	402.15	26.03	247.12	181.06	185.14
3	68	107	9.25	-9.17	-0.22	0.30	-9.20	103.07	-300.38	-300.17	102.87	-9.09
3	68	148	-2.61	-7.20	-2.61	-7.20	0.10	6.42	-284.26	-64.74	-213.10	124.99
3	68	149	5.49	-4.95	-0.87	1.41	-5.09	-64.94	-199.13	-199.05	-65.02	-3.33
3	68	150	4.35	-4.60	-0.97	0.73	4.39	420.12	-94.68	167.61	157.83	-
257.35												
3	69	21	3.17	-15.90	-15.87	3.15	0.71	102.50	-100.48	-65.98	68.00	76.24
3	69	23	36.70	1.32	36.68	1.34	0.88	284.60	-275.47	-272.58	281.71	-40.13
3	69	60	-5.55	-18.93	-18.78	-5.69	1.38	94.99	-744.51	-697.53	48.01	192.95
3	69	61	3.44	-1.34	2.52	-0.43	1.88	297.11	-254.82	-149.97	192.25	216.51
3	69	62	38.76	3.04	35.33	6.47	-10.53	157.79	-147.43	18.92	-8.57	151.99
3	69	74	6.22	-5.31	1.90	-0.99	-5.58	163.31	-194.09	-175.90	145.12	78.56
3	69	105	-1.03	-15.96	-15.93	-1.06	0.71	571.19	89.81	566.21	94.79	48.73
3	69	106	44.12	-2.34	39.37	2.41	14.07	31.90	-699.21	-643.30	-24.00	-
194.28												
3	69	107	11.07	-8.70	2.42	-4.76e-02	9.80	0.73	-138.13	-136.43	-0.96	-15.25
3	69	148	6.48	2.36	2.36	6.48	-5.78e-02	208.37	-141.64	-16.88	83.61	-
167.64												
3	69	149	4.75	-5.20	0.81	-1.26	4.87	383.52	-27.34	216.61	139.57	201.79
3	69	150	4.40	-3.86	0.92	-0.38	-4.07	-43.21	-383.03	-279.49	-146.75	156.41
3	70	21	12.13	-3.10	12.13	-3.09	-0.32	-56.17	-303.35	-297.90	-61.62	-36.30
3	70	23	-1.05	-29.43	-29.39	-1.10	-1.09	-56.61	-458.48	-331.67	-183.43	-

186.77												
3	70	60	15.73	4.16	15.72	4.18	0.37	122.14	-105.01	77.86	-60.73	-89.99
3	70	61	-0.16	-3.27	-1.98	-1.45	-1.53	143.37	-420.18	-288.35	11.54	-
238.57												
3	70	62	-3.02	-44.69	-40.08	-7.63	13.06	75.74	-1159.02	-1154.33	71.05	-75.95
3	70	74	5.99	-7.64	-1.78	0.13	6.75	33.31	-198.89	-188.14	22.56	48.79
3	70	105	10.75	1.21	10.74	1.22	-0.28	-5.44	-662.55	-662.38	-5.60	-10.54
3	70	106	1.90	-23.37	-20.38	-1.09	-8.17	608.83	187.40	573.85	222.37	116.26
3	70	107	5.76	-5.45	-1.39	1.70	-5.39	89.94	-360.79	-360.37	89.53	13.61
3	70	148	-1.79	-4.98	-1.80	-4.97	0.19	-6.19	-232.26	-65.54	-172.91	99.47
3	70	149	4.20	-4.22	-0.99	0.97	-4.09	-46.89	-173.87	-169.07	-51.69	24.22
3	70	150	2.44	-2.44	-0.47	0.47	2.39	362.12	-112.58	125.09	124.45	-
237.35												
3	71	21	3.28	-10.21	-10.19	3.26	0.54	94.62	-79.62	-49.67	64.67	65.74
3	71	23	41.19	1.46	41.14	1.52	1.43	282.00	-278.30	-238.45	242.14	144.02
3	71	60	-3.93	-13.85	-13.84	-3.95	-0.42	110.32	-626.73	-588.43	72.02	163.59
3	71	61	5.12	0.79	4.03	1.89	1.88	299.03	-296.03	-119.06	122.06	272.01
3	71	62	48.50	3.82	44.16	8.17	-13.24	485.97	-4.54	441.70	39.73	140.55
3	71	74	8.69	-5.20	3.61	-0.12	-6.69	108.16	-202.38	-198.47	104.25	34.63
3	71	105	-0.24	-8.62	-8.56	-0.30	0.68	489.66	58.44	489.47	58.63	9.11
3	71	106	41.69	-0.98	39.83	0.87	8.71	-49.04	-987.55	-971.03	-65.56	-
123.42												
3	71	107	7.42	-5.37	3.55	-1.50	5.87	22.86	-85.74	-75.65	12.77	-31.51
3	71	148	4.18	1.52	1.52	4.18	-0.15	157.95	-131.56	-16.17	42.56	-
141.74												
3	71	149	3.99	-3.87	0.94	-0.82	3.83	332.84	-20.65	186.39	125.80	174.13
3	71	150	2.19	-1.89	0.41	-0.11	-2.02	-24.79	-324.17	-236.39	-112.58	136.29
3	72	21	17.82	-2.99	17.81	-2.98	-0.50	-55.27	-291.26	-281.59	-64.95	-46.80
3	72	23	-0.91	-24.95	-24.93	-0.92	-0.54	-222.91	-297.62	-297.53	-223.00	-2.62
3	72	60	20.80	5.78	20.67	5.92	-1.42	238.68	-88.44	186.96	-36.72	-
119.35												
3	72	61	1.87	-1.47	-0.47	0.87	-1.53	50.27	-366.36	-257.44	-58.65	-
183.07												
3	72	62	-2.23	-34.95	-31.26	-5.92	10.35	128.23	-740.44	-731.56	119.34	-87.39
3	72	74	6.13	-5.19	-6.06e-02	0.99	5.63	-18.19	-210.84	-210.71	-18.31	4.86
3	72	105	18.11	1.98	18.11	1.99	-0.31	-38.18	-742.72	-739.13	-41.77	-50.17
3	72	106	4.79	-27.33	-19.92	-2.62	-13.54	403.42	23.52	246.13	180.81	187.12
3	72	107	9.32	-9.32	-0.26	0.25	-9.32	103.28	-299.62	-299.60	103.27	-2.66
3	72	148	-2.63	-7.27	-2.63	-7.27	9.94e-02	6.48	-285.26	-64.82	-213.96	125.37
3	72	149	5.53	-4.98	-0.87	1.42	-5.13	-65.37	-199.38	-199.29	-65.46	-3.44
3	72	150	4.40	-4.65	-0.98	0.73	4.45	420.92	-94.11	168.19	158.62	-
257.47												
3	73	21	3.16	-16.06	-16.03	3.14	0.71	102.23	-100.18	-66.16	68.21	75.69
3	73	23	29.11	1.32	29.08	1.35	0.87	285.82	-276.03	-272.81	282.61	-42.36
3	73	60	-5.59	-19.09	-18.93	-5.74	1.45	94.89	-745.33	-698.51	48.07	192.74
3	73	61	3.45	-1.41	2.55	-0.52	1.89	296.91	-253.56	-150.04	193.39	215.10
3	73	62	38.38	3.03	35.00	6.41	-10.40	155.78	-148.09	16.69	-9.00	151.39
3	73	74	6.18	-5.25	1.93	-1.00	-5.52	164.27	-194.08	-175.65	145.84	79.15
3	73	105	-1.03	-16.17	-16.14	-1.07	0.72	571.87	90.04	566.80	95.11	49.18
3	73	106	31.37	-4.57	24.36	2.44	14.24	33.26	-699.33	-642.31	-23.76	-
196.26												
3	73	107	11.22	-8.77	2.45	-6.75e-03	9.92	2.02	-140.39	-137.01	-1.36	-21.68
3	73	148	6.55	2.38	2.38	6.54	-5.42e-02	209.32	-141.65	-16.80	84.47	-
168.02												
3	73	149	4.78	-5.24	0.81	-1.27	4.90	383.96	-27.10	216.85	140.01	201.90
3	73	150	4.45	-3.91	0.93	-0.39	-4.13	-43.83	-383.79	-280.08	-147.54	156.53
3	74	21	11.97	-3.11	11.97	-3.10	-0.32	-55.80	-303.69	-298.08	-61.40	-36.85
3	74	23	-1.06	-37.03	-36.99	-1.09	-1.10	-54.00	-460.43	-331.90	-182.54	-
188.99												
3	74	60	15.59	4.11	15.57	4.13	0.44	121.54	-105.32	76.89	-60.67	-90.19
3	74	61	-0.20	-3.28	-1.95	-1.54	-1.53	145.42	-421.16	-288.42	12.68	-
239.98												
3	74	62	-3.03	-45.07	-40.42	-7.68	13.19	75.37	-1161.32	-1156.57	70.61	-76.55
3	74	74	6.06	-7.68	-1.75	0.12	6.81	34.26	-198.87	-187.89	23.28	49.39
3	74	105	10.54	1.21	10.53	1.21	-0.27	-5.13	-661.95	-661.80	-5.28	-10.09
3	74	106	0.72	-37.16	-35.39	-1.06	-8.00	608.68	188.79	574.85	222.61	114.28
3	74	107	5.69	-5.30	-1.35	1.74	-5.27	89.25	-361.06	-360.95	89.13	7.18
3	74	148	-1.76	-4.91	-1.78	-4.90	0.20	-6.24	-231.27	-65.45	-172.05	99.09
3	74	149	4.16	-4.19	-1.00	0.96	-4.06	-46.41	-173.67	-168.83	-51.25	24.33
3	74	150	2.38	-2.39	-0.46	0.46	2.34	361.31	-113.15	124.50	123.66	-
237.23												
3	75	21	4.65	1.07	4.65	1.07	1.71e-02	13.67	-126.15	-125.24	12.76	11.26

3	75	23	6.96	0.50	6.74	0.71	1.16	187.54	-375.51	-227.00	39.03	248.12
3	75	60	4.36	-0.43	2.86	1.08	-2.22	56.96	-209.69	-206.10	53.37	30.74
3	75	61	4.23	2.90	3.75	3.38	0.64	82.84	-231.76	-145.37	-3.55	140.41
3	75	62	25.71	2.26	23.58	4.38	-6.73	361.30	106.55	354.60	113.25	40.77
3	75	74	5.72	-0.91	3.80	1.02	-3.01	25.91	-224.39	-223.16	24.68	-17.51
3	75	105	7.09	1.17	7.07	1.18	0.30	20.03	-77.19	-40.04	-17.12	-47.24
3	75	106	-0.17	-10.89	-9.42	-1.65	-3.69	-5.88	-784.77	-781.90	-8.75	47.23
3	75	107	4.45	-3.28	3.22	-2.06	-2.83	75.79	-126.98	-110.61	59.42	-55.24
3	75	148	-0.66	-1.89	-0.67	-1.87	-0.13	-27.33	-92.62	-34.02	-85.93	-19.81
3	75	149	0.67	5.70e-02	0.36	0.36	-0.31	113.57	-56.43	14.65	42.49	83.85
3	75	150	1.98	-2.09	-0.52	0.41	1.99	27.14	-60.68	-49.17	15.63	-29.64
3	76	21	12.34	-0.63	12.33	-0.62	-0.26	-17.04	-179.13	-178.08	-18.09	-13.02
3	76	23	0.23	-11.27	-11.23	0.19	0.65	56.33	-391.27	-249.46	-85.49	208.24
3	76	60	12.80	3.07	12.10	3.76	-2.51	50.54	-33.41	-7.28	24.41	-38.87
3	76	61	3.23	2.47	2.58	3.12	-0.27	-40.30	-189.03	-177.12	-52.21	40.37
3	76	62	3.71	0.60	3.64	0.67	-0.46	131.42	87.66	90.11	128.96	-10.08
3	76	74	2.93	1.32	2.90	1.35	0.20	-6.48	-226.37	-224.83	-8.02	-18.34
3	76	105	14.63	1.83	14.63	1.83	3.39e-02	-16.64	-354.19	-342.40	-28.43	-61.98
3	76	106	0.96	-29.89	-26.27	-2.66	-9.93	81.59	-544.67	-514.78	51.70	133.50
3	76	107	7.67	-7.03	2.22	-1.58	-7.10	83.39	-164.22	-160.06	79.24	-31.82
3	76	148	-1.81	-5.02	-1.81	-5.01	-7.67e-02	-27.62	-172.19	-45.42	-154.39	47.51
3	76	149	3.17	-2.30	-0.10	0.98	-2.68	11.48	-96.20	-79.90	-4.82	38.60
3	76	150	3.79	-4.04	-0.91	0.66	3.84	198.49	-56.59	54.43	87.47	-
126.46												
3	77	21	0.80	-10.58	-10.56	0.78	0.47	30.14	-178.46	-169.67	21.35	41.91
3	77	23	15.39	0.23	15.38	0.23	-0.32	256.20	-431.99	-320.89	145.09	-
253.22												
3	77	60	-2.74	-11.21	-10.37	-3.59	2.53	11.38	-528.70	-504.26	-13.06	112.26
3	77	61	-0.34	-2.93	-0.50	-2.77	0.63	187.12	-230.52	-230.36	186.95	-8.34
3	77	62	0.40	-0.47	0.10	-0.18	0.41	-11.69	-811.90	-804.98	-18.61	74.07
3	77	74	-1.01	-1.38	-1.03	-1.35	-8.69e-02	167.40	-193.38	-161.53	135.55	102.35
3	77	105	-0.90	-12.67	-12.66	-0.91	0.37	201.22	50.63	170.07	81.77	60.99
3	77	106	34.27	-1.08	30.71	2.48	10.64	254.78	-30.82	118.60	105.35	-
142.65												
3	77	107	8.66	-6.85	-1.96e-02	1.83	7.70	22.86	-276.73	-276.54	22.67	7.48
3	77	148	4.30	1.55	1.56	4.29	0.12	89.54	-100.84	-36.20	24.90	-90.16
3	77	149	2.10	-2.88	4.03e-02	-0.83	2.45	248.54	-71.70	97.46	79.37	159.86
3	77	150	3.84	-3.29	0.86	-0.31	-3.52	-69.64	-173.06	-166.32	-76.38	25.53
3	78	21	-0.90	-2.89	-2.87	-0.92	0.20	-8.05	-223.96	-222.51	-9.50	17.63
3	78	23	-1.97e-02	-2.87	-2.60	-0.29	-0.84	183.60	-506.36	-343.34	20.58	-
293.09												
3	78	60	1.24	-3.27	-1.12	-0.90	2.25	-35.28	-312.18	-305.45	-42.02	42.66
3	78	61	-1.61	-3.09	-1.67	-3.03	-0.29	165.75	-289.56	-262.11	138.29	-
108.38												
3	78	62	-1.47	-22.27	-19.84	-3.90	6.68	-2.40	-1069.97	-1069.47	-2.90	23.23
3	78	74	1.68	-4.63	-1.93	-1.03	3.12	137.16	-197.52	-163.21	102.85	101.52
3	78	105	-0.26	-5.10	-5.10	-0.27	0.11	80.52	-142.34	-132.29	70.46	46.26
3	78	106	15.26	6.26e-02	13.86	1.46	4.40	399.32	152.20	385.71	165.81	-56.37
3	78	107	4.45	-3.17	-1.03	2.30	3.43	45.06	-328.57	-326.00	42.49	30.91
3	78	148	1.19	0.38	0.42	1.15	0.17	-22.65	-68.52	-47.60	-43.56	-22.84
3	78	149	-0.19	-0.45	-0.42	-0.22	7.93e-02	133.02	-98.05	2.91	32.06	114.61
3	78	150	1.89	-1.49	0.46	-5.72e-02	-1.67	43.37	-110.63	-62.72	-4.54	-71.30
3	79	21	5.02	1.00	5.02	1.00	7.37e-03	14.65	-124.15	-122.91	13.41	13.07
3	79	23	6.19	0.51	5.95	0.75	1.15	181.58	-378.03	-230.89	34.44	246.36
3	79	60	4.65	-0.26	3.20	1.20	-2.24	56.08	-206.52	-202.81	52.37	31.01
3	79	61	4.18	2.92	3.73	3.38	0.61	87.55	-237.13	-144.09	-5.49	146.81
3	79	62	25.01	2.22	22.96	4.27	-6.52	375.04	104.02	367.84	111.23	43.61
3	79	74	5.67	-0.82	3.81	1.04	-2.93	24.34	-223.30	-222.48	23.52	-14.24
3	79	105	7.56	1.21	7.54	1.22	0.29	24.77	-74.01	-38.92	-10.32	-47.27
3	79	106	-0.13	-12.03	-10.44	-1.72	-4.05	-5.68	-802.63	-799.24	-9.07	51.87
3	79	107	4.62	-3.46	3.19	-2.03	-3.08	70.56	-120.02	-107.57	58.10	-47.10
3	79	148	-0.71	-2.04	-0.72	-2.02	-0.13	-27.58	-94.46	-33.69	-88.36	-19.26
3	79	149	0.76	-8.30e-03	0.36	0.39	-0.38	113.22	-55.49	15.18	42.54	83.24
3	79	150	2.11	-2.22	-0.54	0.43	2.11	29.09	-58.68	-47.52	17.93	-29.24
3	80	21	11.97	-0.55	11.96	-0.55	-0.25	-17.39	-181.76	-180.41	-18.74	-14.83
3	80	23	0.19	-10.48	-10.44	0.15	0.66	62.33	-388.79	-245.56	-80.90	210.00
3	80	60	12.46	2.94	11.76	3.64	-2.49	50.50	-35.65	-10.56	25.41	-39.14
3	80	61	3.21	2.52	2.61	3.12	-0.24	-41.83	-186.85	-178.40	-50.28	33.97
3	80	62	4.39	0.65	4.26	0.78	-0.67	133.90	73.96	76.88	130.98	-12.91
3	80	74	2.90	1.31	2.89	1.32	0.12	-4.75	-227.62	-225.51	-6.86	-21.60
3	80	105	14.16	1.79	14.16	1.79	4.26e-02	-23.24	-355.50	-343.52	-35.22	-61.95
3	80	106	0.91	-28.75	-25.25	-2.59	-9.57	80.74	-526.16	-497.44	52.02	128.87

3	80	107	7.44	-6.79	2.25	-1.60	-6.85	86.94	-169.49	-163.10	80.55	-39.97
3	80	148	-1.75	-4.86	-1.75	-4.86	-7.00e-02	-27.96	-169.75	-45.75	-151.96	46.96
3	80	149	3.08	-2.23	-9.26e-02	0.95	-2.60	11.79	-97.11	-80.44	-4.88	39.21
3	80	150	3.67	-3.92	-0.89	0.64	3.71	196.87	-58.92	52.79	85.16	-
126.86												
3	81	21	0.72	-10.21	-10.19	0.71	0.46	31.61	-176.95	-167.34	22.00	43.72
3	81	23	14.59	0.27	14.58	0.27	-0.33	253.02	-437.30	-324.78	140.50	-
254.97												
3	81	60	-2.61	-10.88	-10.02	-3.47	2.52	10.69	-525.73	-500.98	-14.06	112.53
3	81	61	-0.38	-2.92	-0.53	-2.77	0.59	185.03	-229.09	-229.08	185.02	-1.94
3	81	62	0.23	-1.04	-0.52	-0.29	0.62	-13.03	-799.34	-791.75	-20.63	76.91
3	81	74	-1.02	-1.33	-1.02	-1.33	-1.04e-02	168.28	-194.74	-160.85	134.39	105.62
3	81	105	-0.86	-12.20	-12.19	-0.87	0.36	203.52	56.24	171.19	88.57	60.96
3	81	106	33.13	-1.03	29.69	2.40	10.28	241.17	-34.87	101.26	105.04	-
138.01												
3	81	107	8.41	-6.61	-5.03e-02	1.85	7.45	22.18	-274.33	-273.50	21.36	15.63
3	81	148	4.14	1.50	1.50	4.14	0.12	87.54	-100.94	-35.87	22.47	-89.61
3	81	149	2.03	-2.80	3.22e-02	-0.80	2.38	248.23	-70.81	98.00	79.43	159.25
3	81	150	3.71	-3.17	0.83	-0.29	-3.40	-67.19	-171.57	-164.67	-74.08	25.93
3	82	21	-0.82	-3.26	-3.24	-0.84	0.21	-8.99	-226.00	-224.84	-10.14	15.82
3	82	23	3.73e-02	-2.17	-1.80	-0.33	-0.82	186.53	-500.81	-339.45	25.17	-
291.33												
3	82	60	1.03	-3.52	-1.47	-1.02	2.27	-34.47	-315.28	-308.73	-41.02	42.39
3	82	61	-1.60	-3.07	-1.65	-3.02	-0.25	170.58	-293.75	-263.39	140.22	-
114.78												
3	82	62	-1.43	-21.57	-19.22	-3.78	6.47	-0.50	-1083.09	-1082.70	-0.88	20.39
3	82	74	1.58	-4.57	-1.94	-1.05	3.05	136.18	-196.06	-163.88	104.01	98.25
3	82	105	-0.30	-5.57	-5.57	-0.30	0.12	74.00	-143.74	-133.41	63.67	46.29
3	82	106	16.40	1.22e-02	14.88	1.54	4.76	417.84	151.34	403.05	166.13	-61.01
3	82	107	4.67	-3.38	-0.99	2.28	3.68	45.19	-330.42	-329.04	43.80	22.76
3	82	148	1.34	0.44	0.47	1.30	0.18	-20.90	-68.17	-47.93	-41.13	-23.39
3	82	149	-0.15	-0.51	-0.42	-0.25	0.15	133.36	-98.98	2.38	32.00	115.22
3	82	150	2.02	-1.61	0.49	-7.86e-02	-1.79	41.65	-112.85	-64.36	-6.85	-71.70
3	83	21	5.09	1.10	5.09	1.10	3.23e-03	13.35	-125.93	-124.74	12.16	12.78
3	83	23	27.76	0.65	27.71	0.71	1.19	191.34	-381.12	-226.34	36.57	254.26
3	83	60	4.86	-0.38	3.27	1.22	-2.41	56.97	-207.18	-203.42	53.20	31.30
3	83	61	4.28	3.01	3.67	3.62	0.63	84.12	-235.98	-145.17	-6.69	144.30
3	83	62	26.76	2.28	24.50	4.54	-7.08	367.88	107.34	360.78	114.44	42.42
3	83	74	5.81	-1.06	3.71	1.04	-3.17	24.17	-225.32	-223.85	22.69	-19.14
3	83	105	7.66	1.19	7.65	1.20	0.28	20.08	-79.73	-41.65	-18.00	-48.48
3	83	106	32.49	-2.25	31.98	-1.74	-4.15	-5.88	-788.20	-784.64	-9.44	52.67
3	83	107	4.58	-3.63	3.12	-2.17	-3.14	68.44	-116.94	-109.01	60.51	-37.50
3	83	148	-0.72	-2.07	-0.74	-2.06	-0.14	-28.38	-94.16	-34.25	-88.29	-18.75
3	83	149	0.79	-1.82e-02	0.38	0.39	-0.40	112.27	-57.01	14.00	41.27	83.54
3	83	150	2.13	-2.25	-0.55	0.43	2.14	29.47	-59.21	-47.55	17.80	-29.97
3	84	21	12.78	-0.61	12.78	-0.60	-0.27	-17.86	-178.41	-177.58	-18.69	-11.50
3	84	23	9.78	0.13	9.73	0.18	0.68	60.60	-397.35	-248.80	-87.94	214.38
3	84	60	13.29	3.12	12.51	3.90	-2.70	50.75	-31.11	-4.60	24.25	-38.31
3	84	61	3.44	2.42	2.50	3.36	-0.28	-40.95	-191.32	-176.92	-55.35	44.25
3	84	62	4.73	0.65	4.56	0.82	-0.81	132.13	94.31	96.30	130.15	-8.43
3	84	74	2.82	1.37	2.81	1.37	4.23e-02	-8.18	-227.36	-225.52	-10.01	-19.97
3	84	105	15.21	1.84	15.21	1.84	1.58e-02	-17.09	-356.24	-344.01	-29.31	-63.22
3	84	106	19.90	-7.53	15.13	-2.76	-10.40	83.15	-549.66	-517.52	51.01	138.95
3	84	107	7.86	-7.44	2.11	-1.69	-7.41	81.16	-159.30	-158.47	80.33	-14.07
3	84	148	-1.87	-5.20	-1.87	-5.20	-8.68e-02	-27.42	-174.98	-45.65	-156.75	48.56
3	84	149	3.29	-2.37	-8.58e-02	1.01	-2.78	10.12	-96.71	-80.56	-6.04	38.28
3	84	150	3.94	-4.20	-0.94	0.68	3.99	200.75	-55.06	56.05	89.64	-
126.79												
3	85	21	0.78	-11.02	-11.00	0.76	0.49	30.10	-178.32	-170.17	21.95	40.39
3	85	23	0.26	-5.61	-5.58	0.24	-0.35	262.69	-436.68	-321.54	147.55	-
259.36												
3	85	60	-2.80	-11.71	-10.78	-3.72	2.72	11.18	-531.02	-506.94	-12.90	111.70
3	85	61	-0.27	-3.15	-0.42	-3.01	0.64	190.45	-230.91	-230.56	190.09	-12.22
3	85	62	0.22	-1.38	-0.82	-0.33	0.76	-13.23	-817.74	-811.16	-19.80	72.42
3	85	74	-0.93	-1.39	-0.94	-1.38	7.10e-02	170.20	-193.50	-160.84	137.54	103.98
3	85	105	-0.91	-13.25	-13.23	-0.92	0.39	203.68	50.66	171.68	82.66	62.23
3	85	106	8.88	-16.99	-10.69	2.58	11.10	261.98	-34.60	121.34	106.04	-
148.09												
3	85	107	9.08	-7.05	8.74e-02	1.94	8.01	21.93	-278.49	-278.14	21.58	-10.27
3	85	148	4.48	1.62	1.62	4.47	0.13	92.18	-100.89	-35.98	27.26	-91.21
3	85	149	2.17	-3.00	2.54e-02	-0.86	2.55	249.77	-71.07	98.12	80.59	160.18
3	85	150	4.00	-3.44	0.89	-0.33	-3.67	-71.62	-174.87	-167.93	-78.56	25.86

3	86	21	-0.92	-3.34	-3.32	-0.94	0.21	-7.69	-224.21	-223.01	-8.90	16.11
3	86	23	-0.25	-23.59	-23.56	-0.28	-0.87	190.54	-511.50	-344.00	23.04	-
299.23												
3	86	60	1.16	-3.74	-1.54	-1.04	2.44	-35.36	-314.62	-308.12	-41.85	42.09
3	86	61	-1.54	-3.31	-1.59	-3.27	-0.27	170.55	-291.43	-262.31	141.43	-
112.27												
3	86	62	-1.48	-23.33	-20.76	-4.05	7.03	-3.66	-1076.09	-1075.65	-4.09	21.58
3	86	74	1.86	-4.75	-1.84	-1.05	3.28	140.01	-197.69	-162.52	104.83	103.15
3	86	105	-0.28	-5.68	-5.67	-0.28	0.13	81.96	-141.29	-130.68	71.35	47.50
3	86	106	2.35	-28.33	-27.54	1.56	4.86	404.51	150.44	388.46	166.50	-61.82
3	86	107	4.84	-3.35	-0.92	2.42	3.74	41.86	-328.06	-327.59	41.39	13.16
3	86	148	1.37	0.45	0.48	1.33	0.18	-20.19	-68.38	-47.38	-41.20	-23.90
3	86	149	-0.14	-0.54	-0.44	-0.25	0.18	134.30	-97.46	3.56	33.28	114.93
3	86	150	2.05	-1.63	0.49	-7.81e-02	-1.82	41.06	-112.12	-64.33	-6.72	-70.97
3	87	21	5.46	1.02	5.46	1.02	-6.51e-03	14.37	-123.97	-122.41	12.81	14.59
3	87	23	26.96	0.69	26.91	0.75	1.18	185.38	-383.64	-230.24	31.98	252.50
3	87	60	5.16	-0.21	3.61	1.33	-2.43	56.09	-204.02	-200.13	52.20	31.57
3	87	61	4.23	3.03	3.64	3.61	0.60	88.92	-241.43	-143.89	-8.62	150.69
3	87	62	26.07	2.24	23.88	4.42	-6.87	381.63	104.81	374.02	112.42	45.25
3	87	74	5.76	-0.97	3.72	1.07	-3.09	22.56	-224.19	-223.17	21.53	-15.87
3	87	105	8.13	1.23	8.12	1.24	0.27	24.81	-76.55	-40.53	-11.21	-48.51
3	87	106	31.58	-2.43	30.97	-1.82	-4.52	-5.64	-806.10	-801.98	-9.76	57.31
3	87	107	4.75	-3.81	3.09	-2.15	-3.39	64.26	-111.03	-105.98	59.20	-29.35
3	87	148	-0.78	-2.22	-0.79	-2.21	-0.14	-28.58	-96.06	-33.92	-90.72	-18.21
3	87	149	0.88	-8.36e-02	0.37	0.42	-0.48	111.93	-56.07	14.53	41.33	82.92
3	87	150	2.25	-2.38	-0.57	0.45	2.26	31.41	-57.22	-45.91	20.10	-29.57
3	88	21	12.41	-0.53	12.41	-0.53	-0.26	-18.24	-181.01	-179.91	-19.33	-13.31
3	88	23	10.57	9.55e-02	10.53	0.14	0.69	66.61	-394.87	-244.91	-83.36	216.14
3	88	60	12.95	3.00	12.17	3.78	-2.68	50.66	-33.30	-7.89	25.24	-38.58
3	88	61	3.43	2.46	2.53	3.36	-0.25	-42.83	-188.79	-178.20	-53.42	37.86
3	88	62	5.42	0.70	5.18	0.93	-1.02	134.63	80.60	83.06	132.17	-11.26
3	88	74	2.81	1.34	2.81	1.34	-3.42e-02	-6.39	-228.66	-226.20	-8.85	-23.24
3	88	105	14.73	1.80	14.73	1.80	2.45e-02	-23.69	-357.55	-345.13	-36.11	-63.19
3	88	106	20.49	-7.03	16.15	-2.68	-10.03	82.30	-531.15	-500.18	51.33	134.31
3	88	107	7.63	-7.20	2.14	-1.71	-7.16	83.66	-163.52	-161.51	81.65	-22.22
3	88	148	-1.82	-5.05	-1.82	-5.04	-8.01e-02	-27.76	-172.54	-45.98	-154.32	48.01
3	88	149	3.20	-2.30	-7.76e-02	0.98	-2.70	10.43	-97.62	-81.09	-6.09	38.89
3	88	150	3.81	-4.07	-0.92	0.66	3.86	199.13	-57.38	54.40	87.34	-
127.19												
3	89	21	0.70	-10.65	-10.63	0.68	0.48	31.53	-176.77	-167.84	22.60	42.20
3	89	23	0.30	-6.40	-6.38	0.28	-0.37	259.52	-441.99	-325.44	142.96	-
261.11												
3	89	60	-2.67	-11.38	-10.44	-3.61	2.70	10.49	-528.04	-503.65	-13.89	111.97
3	89	61	-0.31	-3.15	-0.45	-3.01	0.60	188.24	-229.36	-229.28	188.16	-5.83
3	89	62	0.15	-2.04	-1.44	-0.44	0.97	-14.59	-805.16	-797.93	-21.82	75.26
3	89	74	-0.89	-1.40	-0.94	-1.35	0.15	171.10	-194.89	-160.16	136.37	107.25
3	89	105	-0.87	-12.77	-12.76	-0.89	0.38	206.00	56.26	172.80	89.45	62.20
3	89	106	8.27	-17.48	-11.71	2.50	10.74	248.32	-38.59	104.00	105.72	-
143.45												
3	89	107	8.83	-6.81	5.66e-02	1.96	7.76	20.28	-275.11	-275.10	20.26	-2.12
3	89	148	4.33	1.56	1.57	4.32	0.13	90.17	-100.98	-35.64	24.83	-90.67
3	89	149	2.10	-2.92	1.72e-02	-0.83	2.47	249.47	-70.18	98.65	80.64	159.57
3	89	150	3.87	-3.32	0.86	-0.31	-3.55	-69.16	-173.38	-166.29	-76.26	26.26
3	90	21	-0.85	-3.71	-3.69	-0.87	0.22	-8.60	-226.28	-225.34	-9.55	14.30
3	90	23	-0.29	-22.80	-22.76	-0.32	-0.85	193.47	-505.95	-340.11	27.63	-
297.47												
3	90	60	0.96	-4.00	-1.88	-1.16	2.45	-34.54	-317.73	-311.41	-40.86	41.82
3	90	61	-1.53	-3.30	-1.56	-3.26	-0.24	175.43	-295.66	-263.59	143.36	-
118.66												
3	90	62	-1.45	-22.63	-20.14	-3.94	6.82	-1.75	-1089.21	-1088.89	-2.07	18.74
3	90	74	1.77	-4.69	-1.85	-1.07	3.20	139.01	-196.21	-163.20	106.00	99.89
3	90	105	-0.32	-6.15	-6.15	-0.32	0.14	75.45	-142.70	-131.80	64.55	47.53
3	90	106	2.57	-27.46	-26.53	1.63	5.22	423.03	149.58	405.80	166.81	-66.46
3	90	107	5.07	-3.56	-0.89	2.39	3.99	42.77	-330.70	-330.63	42.71	5.01
3	90	148	1.52	0.50	0.54	1.48	0.19	-18.39	-68.08	-47.71	-38.77	-24.44
3	90	149	-8.92e-02	-0.62	-0.43	-0.28	0.25	134.65	-98.40	3.03	33.22	115.54
3	90	150	2.17	-1.76	0.52	-9.95e-02	-1.94	39.34	-114.34	-65.98	-9.02	-71.37
3	91	21	2.97	-9.66	-9.64	2.95	0.50	68.86	-96.25	-79.15	51.76	50.30
3	91	23	30.79	1.11	30.74	1.16	1.24	250.73	-262.98	-233.66	221.42	119.17
3	91	60	-3.68	-12.56	-12.55	-3.68	-0.23	94.87	-573.37	-542.41	63.90	140.48
3	91	61	4.58	0.58	3.62	1.54	1.70	233.18	-251.35	-138.07	119.90	205.07
3	91	62	42.41	3.34	38.63	7.12	-11.55	305.89	0.21	257.32	48.78	111.75

3	91	74	7.45	-4.49	3.15	-0.19	-5.73	103.77	-201.76	-199.63	101.64	25.41
3	91	105	-0.25	-8.70	-8.65	-0.30	0.63	386.43	30.52	386.26	30.69	7.83
3	91	106	27.12	-1.86	24.28	0.98	8.61	-20.39	-797.32	-778.36	-39.35	-
119.88												
3	91	107	7.27	-5.26	3.26	-1.25	5.84	46.74	-134.29	-110.99	23.44	-60.62
3	91	148	3.95	1.43	1.44	3.95	-9.58e-02	131.54	-120.29	-21.48	32.73	-
122.96												
3	91	149	3.53	-3.50	0.79	-0.77	3.43	296.95	-32.42	153.94	110.59	163.26
3	91	150	2.26	-1.98	0.43	-0.14	-2.10	-39.12	-272.30	-211.03	-100.39	102.63
3	92	21	15.99	-2.72	15.98	-2.71	-0.42	-46.58	-259.76	-255.27	-51.07	-30.61
3	92	23	-0.58	-29.19	-29.18	-0.59	-0.47	-192.01	-310.14	-308.52	-193.63	-13.74
3	92	60	18.36	5.15	18.25	5.26	-1.17	163.12	-75.43	120.32	-32.63	-91.54
3	92	61	1.61	-1.22	-0.27	0.66	-1.34	20.14	-306.36	-243.91	-42.31	-
128.42												
3	92	62	-1.89	-31.21	-27.84	-5.27	9.35	105.70	-628.88	-624.31	101.13	-57.74
3	92	74	5.52	-4.45	0.17	0.90	4.97	-4.81	-207.78	-205.22	-7.37	22.65
3	92	105	16.55	1.84	16.55	1.84	-0.25	-4.25	-624.38	-621.62	-7.01	-41.29
3	92	106	2.00	-36.28	-31.88	-2.40	-12.20	306.66	-32.46	112.03	162.17	167.70
3	92	107	8.52	-8.28	-9.12e-02	0.34	-8.40	90.33	-276.67	-275.84	89.49	17.47
3	92	148	-2.35	-6.52	-2.35	-6.52	6.68e-02	-5.38	-249.58	-59.48	-195.47	101.41
3	92	149	4.85	-4.34	-0.76	1.27	-4.48	-45.77	-162.56	-161.23	-47.10	12.40
3	92	150	4.05	-4.24	-0.89	0.70	4.07	356.81	-83.44	134.29	139.07	-
220.11												
3	93	21	2.89	-14.23	-14.20	2.87	0.64	75.42	-113.56	-92.48	54.34	59.50
3	93	23	33.35	0.99	33.33	1.01	0.80	255.12	-263.71	-261.83	253.24	-31.23
3	93	60	-4.96	-16.64	-16.52	-5.08	1.20	82.08	-669.96	-631.86	43.97	164.93
3	93	61	3.17	-1.14	2.35	-0.31	1.70	240.73	-227.24	-163.57	177.05	160.45
3	93	62	34.64	2.69	31.58	5.75	-9.41	90.89	-172.24	-90.56	9.22	121.74
3	93	74	5.43	-4.63	1.70	-0.91	-4.86	146.40	-192.64	-181.14	134.90	61.37
3	93	105	-0.89	-14.60	-14.57	-0.92	0.65	453.42	56.22	449.29	60.36	40.30
3	93	106	40.66	-2.12	36.32	2.22	12.91	50.83	-564.15	-508.21	-5.11	-
176.84												
3	93	107	10.18	-7.98	2.29	-9.02e-02	9.00	21.98	-170.33	-160.77	12.41	-41.80
3	93	148	5.80	2.10	2.10	5.80	-2.15e-02	172.57	-128.73	-22.14	65.98	-
144.07												
3	93	149	4.14	-4.57	0.69	-1.13	4.25	338.46	-38.02	178.79	121.65	186.06
3	93	150	4.04	-3.56	0.84	-0.35	-3.75	-54.06	-320.11	-246.18	-127.99	119.18
3	94	21	11.42	-2.80	11.42	-2.80	-0.28	-46.43	-270.67	-268.60	-48.50	-21.42
3	94	23	-0.70	-26.62	-26.59	-0.73	-0.92	-63.27	-435.22	-336.68	-161.81	-
164.14												
3	94	60	14.29	3.85	14.29	3.86	0.25	68.15	-89.84	30.87	-52.55	-67.08
3	94	61	-7.22e-03	-2.72	-1.54	-1.19	-1.34	96.64	-351.21	-269.41	14.84	-
173.04												
3	94	62	-2.55	-38.97	-34.89	-6.63	11.50	63.77	-974.38	-972.18	61.57	-47.75
3	94	74	5.34	-6.44	-1.28	0.19	5.85	40.97	-201.81	-186.73	25.89	58.60
3	94	105	10.63	1.21	10.63	1.21	-0.23	22.79	-558.72	-558.59	22.66	-8.82
3	94	106	1.73	-22.74	-19.84	-1.16	-7.90	433.82	144.75	382.18	196.40	110.73
3	94	107	5.61	-5.18	-1.06	1.50	-5.24	81.70	-328.85	-325.62	78.47	36.29
3	94	148	-1.68	-4.68	-1.69	-4.67	0.14	-16.02	-206.34	-60.14	-162.22	80.31
3	94	149	3.79	-3.73	-0.85	0.91	-3.65	-24.92	-147.50	-136.38	-36.04	35.21
3	94	150	2.47	-2.46	-0.48	0.49	2.42	308.97	-98.35	99.15	111.47	-
203.56												
3	95	21	2.98	-9.53	-9.51	2.96	0.49	68.99	-96.41	-79.00	51.58	50.76
3	95	23	37.07	1.11	37.03	1.16	1.25	250.91	-263.70	-233.47	220.68	121.01
3	95	60	-3.63	-12.44	-12.43	-3.64	-0.28	94.93	-572.68	-541.60	63.85	140.65
3	95	61	4.57	0.63	3.60	1.61	1.70	233.46	-252.51	-138.01	118.96	206.24
3	95	62	42.72	3.35	38.90	7.17	-11.65	307.86	0.44	259.17	49.13	112.24
3	95	74	7.48	-4.54	3.12	-0.19	-5.78	103.09	-201.89	-199.84	101.04	24.92
3	95	105	-0.24	-8.53	-8.48	-0.29	0.63	385.93	30.27	385.77	30.42	7.46
3	95	106	38.61	-0.95	36.70	0.95	8.47	-21.11	-797.63	-779.18	-39.55	-
118.25												
3	95	107	7.15	-5.20	3.23	-1.29	5.75	43.61	-130.35	-110.51	23.77	-55.30
3	95	148	3.90	1.41	1.42	3.89	-9.88e-02	130.77	-120.30	-21.55	32.02	-
122.65												
3	95	149	3.50	-3.47	0.80	-0.76	3.40	296.59	-32.62	153.75	110.22	163.16
3	95	150	2.22	-1.93	0.42	-0.13	-2.06	-38.60	-271.68	-210.55	-99.74	102.53
3	96	21	16.12	-2.71	16.11	-2.70	-0.42	-46.89	-259.49	-255.12	-51.25	-30.15
3	96	23	-0.58	-22.90	-22.89	-0.59	-0.46	-193.14	-309.55	-308.32	-194.37	-11.90
3	96	60	18.49	5.18	18.38	5.30	-1.23	163.65	-75.20	121.12	-32.67	-91.37
3	96	61	1.66	-1.22	-0.29	0.73	-1.34	18.48	-305.58	-243.85	-43.25	-
127.25												
3	96	62	-1.89	-30.90	-27.56	-5.22	9.25	105.99	-626.95	-622.45	101.49	-57.25

3	96	74	5.46	-4.41	0.14	0.91	4.92	-5.51	-207.88	-205.42	-7.97	22.15
3	96	105	16.72	1.84	16.72	1.85	-0.25	-4.47	-624.91	-622.10	-7.28	-41.66
3	96	106	4.05	-25.94	-19.46	-2.43	-12.34	307.81	-34.64	111.21	161.96	169.33
3	96	107	8.58	-8.40	-0.12	0.30	-8.49	91.24	-276.78	-275.36	89.82	22.79
3	96	148	-2.37	-6.58	-2.37	-6.57	6.38e-02	-5.33	-250.41	-59.55	-196.18	101.73
3	96	149	4.89	-4.36	-0.75	1.28	-4.51	-46.15	-162.74	-161.42	-47.47	12.31
3	96	150	4.10	-4.29	-0.90	0.71	4.12	357.48	-82.98	134.78	139.73	-
220.21												
3	97	21	2.88	-14.36	-14.34	2.86	0.64	75.28	-113.39	-92.63	54.52	59.04
3	97	23	27.06	0.99	27.04	1.02	0.79	256.09	-264.14	-262.02	253.97	-33.07
3	97	60	-4.99	-16.78	-16.64	-5.12	1.26	82.01	-670.65	-632.66	44.02	164.77
3	97	61	3.18	-1.19	2.37	-0.38	1.70	240.73	-226.37	-163.63	177.99	159.28
3	97	62	34.33	2.69	31.31	5.71	-9.30	89.62	-173.17	-92.41	8.86	121.25
3	97	74	5.39	-4.58	1.73	-0.91	-4.81	147.16	-192.60	-180.94	135.50	61.86
3	97	105	-0.90	-14.78	-14.75	-0.93	0.66	453.98	56.42	449.77	60.62	40.67
3	97	106	30.03	-3.88	23.90	2.25	13.05	52.03	-564.33	-507.39	-4.91	-
178.47												
3	97	107	10.30	-8.04	2.32	-5.64e-02	9.09	24.07	-173.23	-161.25	12.09	-47.13
3	97	148	5.85	2.12	2.12	5.85	-1.85e-02	173.36	-128.74	-22.07	66.69	-
144.38												
3	97	149	4.16	-4.60	0.69	-1.13	4.28	338.82	-37.82	178.98	122.02	186.15
3	97	150	4.09	-3.60	0.85	-0.36	-3.80	-54.58	-320.73	-246.66	-128.65	119.28
3	98	21	11.29	-2.81	11.28	-2.80	-0.28	-46.17	-270.90	-268.75	-48.32	-21.87
3	98	23	-0.71	-32.91	-32.88	-0.73	-0.92	-61.15	-436.80	-336.88	-161.07	-
165.98												
3	98	60	14.17	3.81	14.16	3.82	0.31	67.69	-90.13	30.06	-52.50	-67.25
3	98	61	-3.94e-02	-2.74	-1.52	-1.26	-1.34	98.30	-351.99	-269.47	15.78	-
174.21												
3	98	62	-2.55	-39.29	-35.16	-6.68	11.60	63.46	-976.28	-974.04	61.21	-48.25
3	98	74	5.40	-6.47	-1.26	0.18	5.89	41.78	-201.82	-186.52	26.48	59.09
3	98	105	10.46	1.20	10.45	1.21	-0.22	23.04	-558.23	-558.10	22.92	-8.44
3	98	106	0.70	-34.09	-32.26	-1.13	-7.77	433.29	146.32	383.00	196.61	109.10
3	98	107	5.56	-5.05	-1.03	1.54	-5.15	80.50	-328.45	-326.10	78.14	30.96
3	98	148	-1.66	-4.62	-1.67	-4.62	0.14	-16.07	-205.51	-60.07	-161.51	79.99
3	98	149	3.76	-3.71	-0.86	0.91	-3.63	-24.52	-147.35	-136.19	-35.67	35.30
3	98	150	2.43	-2.42	-0.47	0.48	2.37	308.30	-98.82	98.66	110.82	-
203.47												
3	99	21	2.72	-8.42	-8.40	2.70	0.47	75.53	-93.00	-71.38	53.92	56.35
3	99	23	28.14	1.24	28.08	1.29	1.20	232.90	-273.41	-246.64	206.12	113.31
3	99	60	-3.28	-11.42	-11.41	-3.29	-0.29	92.60	-563.48	-531.45	60.57	141.38
3	99	61	4.41	0.65	3.54	1.52	1.59	247.76	-268.12	-133.81	113.45	226.38
3	99	62	40.09	3.22	36.56	6.75	-10.85	349.24	-5.77	301.43	42.04	121.20
3	99	74	7.25	-4.18	3.18	-0.11	-5.48	102.16	-201.77	-197.37	97.76	36.30
3	99	105	-0.12	-7.13	-7.08	-0.17	0.60	390.16	53.17	389.98	53.34	7.73
3	99	106	23.32	-1.69	20.89	0.74	7.40	-26.93	-849.63	-836.16	-40.41	-
104.42												
3	99	107	6.44	-4.46	3.16	-1.18	5.00	27.76	-109.56	-100.86	19.05	-33.46
3	99	148	3.45	1.25	1.26	3.44	-0.12	125.35	-121.09	-20.38	24.63	-
121.15												
3	99	149	3.30	-3.21	0.76	-0.67	3.18	296.02	-29.52	155.73	110.78	161.21
3	99	150	1.84	-1.56	0.34	-6.77e-02	-1.69	-30.85	-267.41	-205.55	-92.72	103.96
3	100	21	14.75	-2.47	14.74	-2.46	-0.39	-47.01	-269.26	-263.04	-53.23	-36.66
3	100	23	-0.72	-26.54	-26.53	-0.73	-0.43	-177.81	-296.07	-295.54	-178.33	-7.88
3	100	60	17.21	4.77	17.11	4.87	-1.12	155.59	-75.52	109.36	-29.30	-92.44
3	100	61	1.55	-1.06	-0.18	0.68	-1.23	41.52	-325.56	-248.18	-35.86	-
149.73												
3	100	62	-1.78	-28.89	-25.78	-4.89	8.65	113.63	-674.20	-668.42	107.86	-67.19
3	100	74	5.20	-4.25	0.14	0.81	4.71	-2.82	-208.16	-207.48	-3.50	11.76
3	100	105	14.97	1.71	14.97	1.71	-0.22	-26.83	-628.18	-625.35	-29.67	-41.19
3	100	106	1.83	-32.48	-28.49	-2.16	-10.99	318.80	14.25	169.83	163.23	152.24
3	100	107	7.70	-7.42	1.12e-02	0.27	-7.56	94.12	-286.22	-285.97	93.88	-9.69
3	100	148	-2.18	-6.02	-2.18	-6.02	8.90e-02	-5.92	-242.04	-60.59	-187.37	99.60
3	100	149	4.56	-4.11	-0.73	1.17	-4.23	-45.52	-164.79	-163.01	-47.29	14.45
3	100	150	3.64	-3.82	-0.81	0.63	3.66	351.56	-91.35	128.81	131.41	-
221.45												
3	101	21	2.64	-12.99	-12.96	2.61	0.60	82.23	-110.45	-84.71	56.49	65.55
3	101	23	30.69	1.13	30.67	1.15	0.76	240.61	-277.47	-274.80	237.94	-37.09
3	101	60	-4.57	-15.50	-15.38	-4.69	1.14	79.89	-660.15	-620.90	40.64	165.84
3	101	61	3.02	-1.08	2.26	-0.33	1.59	251.10	-239.80	-159.30	170.60	181.76
3	101	62	32.33	2.57	29.52	5.38	-8.70	111.47	-155.43	-46.45	2.49	131.19
3	101	74	5.23	-4.32	1.73	-0.82	-4.60	147.04	-194.90	-178.88	131.02	72.26
3	101	105	-0.76	-13.03	-13.00	-0.80	0.62	457.34	78.69	453.02	83.01	40.20

3	101	106	36.85	-1.95	32.93	1.97	11.70	37.02	-609.20	-566.01	-6.17	-
161.38												
3	101	107	9.32	-7.15	2.19	-1.72e-02	8.16	9.37	-151.98	-150.64	8.03	-14.64
3	101	148	5.29	1.93	1.93	5.29	-4.38e-02	166.05	-129.20	-21.03	57.88	-
142.25												
3	101	149	3.91	-4.27	0.67	-1.03	4.00	337.55	-35.13	180.57	121.84	184.01
3	101	150	3.62	-3.15	0.75	-0.28	-3.34	-45.81	-315.21	-240.69	-120.33	120.51
3	102	21	10.18	-2.55	10.18	-2.54	-0.25	-47.36	-279.66	-276.37	-50.65	-27.46
3	102	23	-0.84	-23.97	-23.94	-0.87	-0.87	-53.72	-416.50	-323.71	-146.52	-
158.28												
3	102	60	13.15	3.46	13.14	3.47	0.31	61.61	-90.93	19.91	-49.22	-67.99
3	102	61	-7.28e-02	-2.56	-1.46	-1.17	-1.23	117.78	-370.17	-273.67	21.29	-
194.35												
3	102	62	-2.43	-36.65	-32.82	-6.26	10.79	71.31	-1019.31	-1016.30	68.30	-57.20
3	102	74	5.03	-6.24	-1.31	0.10	5.59	39.72	-198.95	-188.99	29.76	47.71
3	102	105	9.05	1.08	9.05	1.09	-0.20	0.14	-562.45	-562.31	1.62e-03	-8.72
3	102	106	1.57	-18.94	-16.45	-0.92	-6.69	472.93	164.51	439.97	197.46	95.27
3	102	107	4.79	-4.32	-0.96	1.43	-4.40	83.05	-335.95	-335.75	82.85	9.12
3	102	148	-1.50	-4.18	-1.51	-4.17	0.16	-16.48	-198.89	-61.24	-154.12	78.50
3	102	149	3.50	-3.50	-0.82	0.82	-3.40	-24.07	-150.33	-138.17	-36.23	37.25
3	102	150	2.06	-2.04	-0.40	0.42	2.01	303.69	-106.23	93.66	103.80	-
204.90												
3	103	21	2.73	-8.29	-8.27	2.71	0.46	75.70	-93.20	-71.23	53.74	56.81
3	103	23	34.42	1.25	34.37	1.29	1.21	233.04	-274.09	-246.44	205.39	115.15
3	103	60	-3.24	-11.30	-11.29	-3.25	-0.34	92.67	-562.80	-530.65	60.52	141.55
3	103	61	4.41	0.70	3.52	1.59	1.59	248.11	-269.34	-133.75	112.51	227.55
3	103	62	40.41	3.23	36.84	6.80	-10.95	351.24	-5.55	303.28	42.40	121.69
3	103	74	7.28	-4.23	3.15	-0.10	-5.52	101.46	-201.86	-197.58	97.17	35.81
3	103	105	-0.11	-6.96	-6.90	-0.16	0.60	389.66	52.92	389.50	53.08	7.36
3	103	106	34.86	-0.84	33.31	0.71	7.26	-27.56	-850.03	-836.98	-40.61	-
102.79												
3	103	107	6.32	-4.41	3.13	-1.22	4.91	25.66	-106.66	-100.38	19.38	-28.14
3	103	148	3.40	1.23	1.24	3.39	-0.12	124.59	-121.11	-20.45	23.93	-
120.83												
3	103	149	3.28	-3.17	0.77	-0.66	3.15	295.66	-29.71	155.53	110.41	161.11
3	103	150	1.79	-1.52	0.33	-6.15e-02	-1.64	-30.33	-266.80	-205.06	-92.07	103.86
3	104	21	14.88	-2.46	14.87	-2.45	-0.39	-47.33	-268.97	-262.89	-53.41	-36.20
3	104	23	-0.72	-20.25	-20.24	-0.73	-0.42	-178.76	-295.66	-295.34	-179.07	-6.04
3	104	60	17.34	4.80	17.23	4.91	-1.17	156.08	-75.26	110.17	-29.35	-92.27
3	104	61	1.59	-1.05	-0.21	0.75	-1.23	39.84	-324.76	-248.12	-36.80	-
148.56												
3	104	62	-1.77	-28.58	-25.50	-4.85	8.55	113.92	-672.27	-666.57	108.22	-66.70
3	104	74	5.15	-4.21	0.11	0.82	4.67	-3.47	-208.31	-207.69	-4.09	11.27
3	104	105	15.14	1.72	15.14	1.72	-0.22	-27.05	-628.72	-625.83	-29.93	-41.56
3	104	106	3.99	-22.25	-16.07	-2.18	-11.13	319.91	12.11	169.00	163.02	153.87
3	104	107	7.76	-7.55	-2.09e-02	0.23	-7.65	94.26	-285.54	-285.49	94.21	-4.37
3	104	148	-2.20	-6.07	-2.20	-6.07	8.60e-02	-5.87	-242.87	-60.66	-188.08	99.92
3	104	149	4.60	-4.14	-0.72	1.18	-4.26	-45.90	-164.96	-163.21	-47.66	14.35
3	104	150	3.68	-3.86	-0.82	0.64	3.70	352.23	-90.88	129.29	132.06	-
221.55												
3	105	21	2.63	-13.12	-13.10	2.61	0.61	82.06	-110.24	-84.86	56.67	65.09
3	105	23	24.41	1.13	24.39	1.15	0.75	241.61	-277.93	-275.00	238.68	-38.93
3	105	60	-4.60	-15.63	-15.50	-4.73	1.20	79.82	-660.83	-621.71	40.69	165.67
3	105	61	3.03	-1.13	2.29	-0.40	1.59	251.02	-238.83	-159.36	171.54	180.59
3	105	62	32.01	2.57	29.24	5.34	-8.60	110.02	-156.19	-48.30	2.13	130.69
3	105	74	5.20	-4.27	1.76	-0.83	-4.55	147.83	-194.88	-178.68	131.62	72.75
3	105	105	-0.77	-13.20	-13.17	-0.80	0.63	457.90	78.88	453.50	83.28	40.57
3	105	106	26.28	-3.77	20.51	2.00	11.84	38.08	-609.23	-565.19	-5.97	-
163.01												
3	105	107	9.44	-7.21	2.22	1.66e-02	8.25	10.17	-153.59	-151.12	7.70	-19.97
3	105	148	5.35	1.95	1.95	5.35	-4.07e-02	166.83	-129.20	-20.97	58.59	-
142.57												
3	105	149	3.93	-4.31	0.66	-1.04	4.03	337.91	-34.93	180.77	122.21	184.11
3	105	150	3.66	-3.19	0.76	-0.29	-3.39	-46.32	-315.83	-241.18	-120.98	120.61
3	106	21	10.05	-2.56	10.04	-2.55	-0.25	-47.08	-279.92	-276.52	-50.47	-27.92
3	106	23	-0.84	-30.25	-30.23	-0.87	-0.88	-51.62	-418.07	-323.90	-145.78	-
160.12												
3	106	60	13.03	3.41	13.02	3.43	0.37	61.20	-91.26	19.11	-49.18	-68.16
3	106	61	-0.10	-2.57	-1.44	-1.24	-1.23	119.45	-370.96	-273.73	22.23	-
195.52												
3	106	62	-2.44	-36.97	-33.10	-6.31	10.90	71.00	-1021.21	-1018.15	67.95	-57.70
3	106	74	5.09	-6.27	-1.28	9.55e-02	5.64	40.49	-198.92	-188.79	30.36	48.20

3	106	105	8.88	1.08	8.88	1.08	-0.19	0.39	-561.96	-561.83	0.27	-8.35
3	106	106	0.57	-30.33	-28.87	-0.89	-6.55	472.68	165.78	440.80	197.67	93.64
3	106	107	4.74	-4.20	-0.93	1.46	-4.31	82.56	-336.26	-336.23	82.52	3.80
3	106	148	-1.48	-4.12	-1.49	-4.11	0.17	-16.52	-198.07	-61.17	-153.42	78.18
3	106	149	3.46	-3.48	-0.83	0.81	-3.37	-23.66	-150.17	-137.97	-35.86	37.35
3	106	150	2.01	-1.99	-0.39	0.41	1.96	303.02	-106.70	93.18	103.15	-
204.80												

M_G			N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
				-61.13	-54.88	-10.36	-19.10		-1477.47	-1477.36	-312.30	-
445.44												
			64.56		58.63	10.85	19.80	816.74		778.74	371.91	400.47

Macro	Tipo	Angolo 1-X (gradi)
4	**Guscio**	**0.0**

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
4	1	39	0.16	-0.39	-0.39	0.16	2.83e-02	17.92	-86.23	-83.95	15.64	15.22
4	1	40	1.68	0.13	1.68	0.13	-4.12e-02	81.05	-197.02	-196.53	80.56	-11.60
4	1	75	-8.22e-02	-0.43	-0.43	-8.24e-02	9.35e-03	31.35	-68.76	-67.41	30.00	-11.55
4	1	84	1.69	0.34	1.67	0.35	0.14	48.69	-147.90	-140.02	40.82	-38.55
4	1	85	7.32e-02	6.29e-02	6.65e-02	6.96e-02	4.92e-03	68.11	-161.86	-160.45	66.70	17.96
4	1	86	0.28	1.72e-02	0.23	7.07e-02	0.11	39.33	-158.63	-157.82	38.52	-12.62
4	1	92	1.84	0.42	1.80	0.46	-0.22	40.66	-283.41	-271.38	28.63	61.28
4	1	93	-1.13e-02	-0.21	-0.13	-9.14e-02	-9.66e-02	31.38	-197.14	-179.33	13.57	61.26
4	1	141	0.16	5.55e-02	5.58e-02	0.16	5.45e-03	-15.76	-20.99	-19.93	-16.82	-2.10
4	1	142	5.53e-02	-5.85e-02	1.83e-02	-2.14e-02	-5.33e-02	29.15	-37.93	-20.33	11.55	-29.51
4	1	144	-0.15	-0.46	-0.45	-0.16	4.72e-02	2.28	-126.22	-104.62	-19.32	48.05
4	1	161	5.61e-02	-8.81e-02	1.68e-02	-4.88e-02	6.42e-02	36.03	-47.62	-10.68	-0.91	41.54
4	2	39	0.72	-1.03	-1.03	0.72	4.58e-02	22.63	-245.28	-225.72	3.08	69.68
4	2	40	8.14	0.72	8.10	0.76	-0.53	175.37	-592.37	-590.14	173.13	-41.38
4	2	75	-0.21	-0.82	-0.82	-0.21	7.89e-04	80.87	-135.05	-134.22	80.04	13.36
4	2	84	7.66	1.86	7.65	1.88	0.33	140.31	-218.18	-207.17	129.31	-61.84
4	2	85	0.88	0.29	0.74	0.44	-0.25	166.48	-407.84	-397.50	156.14	76.35
4	2	86	1.66	0.44	1.62	0.48	0.21	93.04	-410.66	-410.07	92.46	17.10
4	2	92	9.25	1.60	9.00	1.86	-1.38	18.61	-1115.44	-1029.89	-66.94	299.51
4	2	93	0.46	-0.98	-0.28	-0.24	-0.72	61.90	-528.23	-435.13	-31.21	215.12
4	2	141	0.46	0.14	0.16	0.44	7.15e-02	-59.84	-101.83	-65.00	-96.67	-13.79
4	2	142	7.49e-02	-0.12	8.07e-03	-5.15e-02	-9.19e-02	58.09	-109.71	-72.64	21.03	-69.61
4	2	144	-0.38	-1.65	-1.64	-0.39	9.08e-02	-41.21	-396.57	-325.01	-112.78	142.52
4	2	161	0.24	-0.28	9.47e-02	-0.13	0.23	115.18	-144.58	-16.98	-12.42	129.86
4	3	39	0.11	-0.29	-0.29	0.11	2.14e-02	13.78	-63.41	-61.90	12.27	10.68
4	3	40	1.17	8.61e-02	1.17	8.65e-02	-2.26e-02	60.56	-144.09	-143.75	60.22	-8.36
4	3	75	-6.08e-02	-0.32	-0.32	-6.10e-02	7.35e-03	23.32	-51.77	-50.59	22.13	-9.36
4	3	84	1.19	0.23	1.17	0.24	0.10	35.73	-112.44	-106.44	29.73	-29.21
4	3	85	5.21e-02	3.30e-02	3.86e-02	4.65e-02	8.65e-03	50.57	-119.90	-118.95	49.62	12.71
4	3	86	0.19	3.17e-03	0.15	4.67e-02	7.99e-02	29.34	-117.37	-116.64	28.61	-10.27
4	3	92	1.27	0.30	1.25	0.33	-0.15	31.86	-202.47	-194.44	23.83	42.64
4	3	93	-1.73e-02	-0.15	-9.54e-02	-6.74e-02	-6.26e-02	23.75	-145.58	-133.12	11.28	44.22
4	3	141	0.11	4.09e-02	4.10e-02	0.11	2.95e-03	-10.89	-15.03	-14.48	-11.43	-1.40
4	3	142	4.22e-02	-4.39e-02	1.43e-02	-1.59e-02	-4.03e-02	21.88	-27.83	-14.65	8.70	-21.94
4	3	144	-0.11	-0.33	-0.33	-0.12	3.55e-02	2.58	-92.00	-76.32	-13.10	35.18
4	3	161	3.96e-02	-6.42e-02	1.14e-02	-3.60e-02	4.62e-02	26.23	-34.81	-8.10	-0.48	30.28
4	4	39	0.68	-0.93	-0.93	0.67	3.90e-02	18.79	-222.75	-203.68	-0.29	65.14
4	4	40	7.63	0.68	7.59	0.72	-0.51	154.90	-539.46	-537.36	152.80	-38.14
4	4	75	-0.19	-0.72	-0.72	-0.19	-1.21e-03	73.44	-118.68	-117.41	72.17	15.56
4	4	84	7.16	1.75	7.15	1.77	0.29	127.38	-182.75	-173.59	118.22	-52.51
4	4	85	0.85	0.27	0.71	0.42	-0.25	149.07	-366.01	-356.00	139.06	71.11
4	4	86	1.57	0.42	1.54	0.46	0.19	83.39	-369.73	-368.89	82.56	19.45
4	4	92	8.69	1.48	8.44	1.73	-1.31	10.17	-1034.86	-952.95	-71.75	280.88
4	4	93	0.45	-0.92	-0.25	-0.22	-0.68	54.91	-477.32	-388.92	-33.49	198.08
4	4	141	0.42	0.13	0.14	0.40	6.90e-02	-54.85	-95.98	-59.55	-91.28	-13.08
4	4	142	6.17e-02	-0.10	4.05e-03	-4.60e-02	-7.88e-02	50.86	-99.64	-66.96	18.18	-62.05
4	4	144	-0.34	-1.52	-1.51	-0.35	7.91e-02	-40.86	-362.40	-296.70	-106.55	129.65
4	4	161	0.23	-0.25	8.93e-02	-0.12	0.22	105.42	-131.81	-14.40	-11.99	118.61
4	5	39	0.12	-0.29	-0.29	0.12	2.16e-02	13.78	-65.06	-63.42	12.14	11.26
4	5	40	1.24	9.26e-02	1.24	9.33e-02	-2.77e-02	61.57	-148.31	-147.95	61.21	-8.68
4	5	75	-6.21e-02	-0.33	-0.33	-6.23e-02	7.26e-03	23.77	-52.40	-51.30	22.67	-9.09

4	5	84	1.25	0.25	1.24	0.26	0.11	36.71	-113.19	-107.16	30.67	-29.46
4	5	85	5.45e-02	4.17e-02	4.57e-02	5.05e-02	5.90e-03	51.60	-122.50	-121.47	50.57	13.34
4	5	86	0.21	8.91e-03	0.16	5.10e-02	8.10e-02	29.85	-120.00	-119.33	29.19	-9.95
4	5	92	1.35	0.32	1.33	0.34	-0.16	31.53	-211.25	-202.53	22.81	45.18
4	5	93	-1.24e-02	-0.15	-9.70e-02	-6.91e-02	-6.92e-02	23.96	-149.01	-135.85	10.80	45.86
4	5	141	0.12	4.19e-02	4.21e-02	0.12	3.65e-03	-11.60	-15.65	-14.96	-12.28	-1.52
4	5	142	4.24e-02	-4.45e-02	1.41e-02	-1.62e-02	-4.07e-02	22.19	-28.59	-15.21	8.80	-22.37
4	5	144	-0.11	-0.34	-0.34	-0.12	3.59e-02	2.11	-94.88	-78.67	-14.09	36.18
4	5	161	4.16e-02	-6.62e-02	1.23e-02	-3.69e-02	4.80e-02	27.07	-35.84	-8.16	-0.61	31.23
4	6	39	0.49	-0.72	-0.72	0.49	3.33e-02	16.72	-170.89	-157.93	3.76	47.57
4	6	40	5.54	0.49	5.52	0.51	-0.35	124.45	-411.87	-410.35	122.93	-28.53
4	6	75	-0.15	-0.59	-0.59	-0.15	1.55e-03	56.40	-96.22	-95.85	56.03	7.52
4	6	84	5.23	1.26	5.22	1.28	0.23	97.77	-160.03	-151.92	89.67	-44.99
4	6	85	0.59	0.20	0.49	0.30	-0.17	117.09	-286.40	-279.51	110.20	52.26
4	6	86	1.12	0.29	1.09	0.32	0.15	65.43	-287.78	-287.50	65.15	9.86
4	6	92	6.30	1.10	6.12	1.28	-0.94	16.52	-765.63	-708.20	-40.91	204.00
4	6	93	0.30	-0.67	-0.20	-0.17	-0.48	43.86	-369.29	-306.38	-19.05	148.43
4	6	141	0.32	9.89e-02	0.11	0.31	4.77e-02	-41.41	-69.11	-45.01	-65.51	-9.31
4	6	142	5.54e-02	-8.44e-02	7.34e-03	-3.63e-02	-6.64e-02	41.47	-76.42	-50.08	15.12	-49.11
4	6	144	-0.27	-1.14	-1.13	-0.27	6.50e-02	-26.91	-275.09	-225.59	-76.40	99.16
4	6	161	0.17	-0.19	6.42e-02	-9.07e-02	0.16	79.81	-100.46	-12.36	-8.28	90.11
4	7	39	0.12	-0.29	-0.29	0.12	2.16e-02	13.78	-65.06	-63.42	12.14	11.26
4	7	40	1.24	9.26e-02	1.24	9.33e-02	-2.77e-02	61.57	-148.31	-147.95	61.21	-8.68
4	7	75	-6.21e-02	-0.33	-0.33	-6.23e-02	7.26e-03	23.77	-52.40	-51.30	22.67	-9.09
4	7	84	1.25	0.25	1.24	0.26	0.11	36.71	-113.19	-107.16	30.67	-29.46
4	7	85	5.45e-02	4.17e-02	4.57e-02	5.05e-02	5.90e-03	51.60	-122.50	-121.47	50.57	13.34
4	7	86	0.21	8.91e-03	0.16	5.10e-02	8.10e-02	29.85	-120.00	-119.33	29.19	-9.95
4	7	92	1.35	0.32	1.33	0.34	-0.16	31.53	-211.25	-202.53	22.81	45.18
4	7	93	-1.24e-02	-0.15	-9.70e-02	-6.91e-02	-6.92e-02	23.96	-149.01	-135.85	10.80	45.86
4	7	141	0.12	4.19e-02	4.21e-02	0.12	3.65e-03	-11.60	-15.65	-14.96	-12.28	-1.52
4	7	142	4.24e-02	-4.45e-02	1.41e-02	-1.62e-02	-4.07e-02	22.19	-28.59	-15.21	8.80	-22.37
4	7	144	-0.11	-0.34	-0.34	-0.12	3.59e-02	2.11	-94.88	-78.67	-14.09	36.18
4	7	161	4.16e-02	-6.62e-02	1.23e-02	-3.69e-02	4.80e-02	27.07	-35.84	-8.16	-0.61	31.23
4	8	39	0.38	-0.59	-0.59	0.38	2.98e-02	15.54	-138.85	-129.58	6.28	36.68
4	8	40	4.25	0.37	4.24	0.39	-0.25	105.58	-332.80	-331.63	104.41	-22.57
4	8	75	-0.12	-0.51	-0.51	-0.12	3.27e-03	46.07	-82.53	-82.48	46.02	2.54
4	8	84	4.04	0.96	4.03	0.97	0.20	79.43	-145.96	-138.49	71.97	-40.33
4	8	85	0.42	0.16	0.36	0.22	-0.11	97.31	-237.10	-232.10	92.31	40.59
4	8	86	0.84	0.21	0.81	0.24	0.13	54.41	-237.10	-237.05	54.36	3.92
4	8	92	4.81	0.87	4.68	1.00	-0.70	20.57	-598.86	-556.50	-21.79	156.36
4	8	93	0.21	-0.51	-0.17	-0.14	-0.36	37.24	-302.56	-255.22	-10.09	117.66
4	8	141	0.26	8.24e-02	8.95e-02	0.25	3.45e-02	-33.05	-52.49	-36.00	-49.55	-6.98
4	8	142	5.15e-02	-7.24e-02	9.38e-03	-3.03e-02	-5.87e-02	35.65	-62.05	-39.62	13.23	-41.09
4	8	144	-0.22	-0.90	-0.89	-0.23	5.63e-02	-18.24	-220.98	-181.52	-57.71	80.27
4	8	161	0.13	-0.15	4.86e-02	-7.45e-02	0.13	63.95	-81.03	-11.10	-5.98	72.45
4	9	39	0.12	-0.29	-0.29	0.12	2.16e-02	13.78	-65.06	-63.42	12.14	11.26
4	9	40	1.24	9.26e-02	1.24	9.33e-02	-2.77e-02	61.57	-148.31	-147.95	61.21	-8.68
4	9	75	-6.21e-02	-0.33	-0.33	-6.23e-02	7.26e-03	23.77	-52.40	-51.30	22.67	-9.09
4	9	84	1.25	0.25	1.24	0.26	0.11	36.71	-113.19	-107.16	30.67	-29.46
4	9	85	5.45e-02	4.17e-02	4.57e-02	5.05e-02	5.90e-03	51.60	-122.50	-121.47	50.57	13.34
4	9	86	0.21	8.91e-03	0.16	5.10e-02	8.10e-02	29.85	-120.00	-119.33	29.19	-9.95
4	9	92	1.35	0.32	1.33	0.34	-0.16	31.53	-211.25	-202.53	22.81	45.18
4	9	93	-1.24e-02	-0.15	-9.70e-02	-6.91e-02	-6.92e-02	23.96	-149.01	-135.85	10.80	45.86
4	9	141	0.12	4.19e-02	4.21e-02	0.12	3.65e-03	-11.60	-15.65	-14.96	-12.28	-1.52
4	9	142	4.24e-02	-4.45e-02	1.41e-02	-1.62e-02	-4.07e-02	22.19	-28.59	-15.21	8.80	-22.37
4	9	144	-0.11	-0.34	-0.34	-0.12	3.59e-02	2.11	-94.88	-78.67	-14.09	36.18
4	9	161	4.16e-02	-6.62e-02	1.23e-02	-3.69e-02	4.80e-02	27.07	-35.84	-8.16	-0.61	31.23
4	10	39	0.34	-0.55	-0.55	0.34	2.86e-02	15.18	-128.20	-120.12	7.11	33.05
4	10	40	3.82	0.33	3.81	0.35	-0.22	99.29	-306.44	-305.39	98.24	-20.59
4	10	75	-0.11	-0.48	-0.48	-0.11	3.84e-03	42.69	-78.04	-78.03	42.68	0.88
4	10	84	3.64	0.86	3.63	0.87	0.18	73.32	-141.27	-134.02	66.07	-38.78
4	10	85	0.37	0.14	0.31	0.20	-9.72e-02	90.73	-220.68	-216.30	86.35	36.69
4	10	86	0.75	0.19	0.72	0.21	0.12	50.78	-220.25	-220.23	50.77	1.94
4	10	92	4.32	0.79	4.20	0.90	-0.63	21.96	-543.31	-505.93	-15.42	140.48
4	10	93	0.17	-0.46	-0.16	-0.13	-0.32	35.11	-280.38	-238.17	-7.11	107.40
4	10	141	0.24	7.69e-02	8.27e-02	0.23	3.01e-02	-30.24	-46.97	-32.99	-44.22	-6.20
4	10	142	5.02e-02	-6.84e-02	1.01e-02	-2.83e-02	-5.61e-02	33.72	-57.26	-36.13	12.60	-38.41
4	10	144	-0.21	-0.82	-0.81	-0.21	5.34e-02	-15.35	-202.95	-166.82	-51.48	73.97
4	10	161	0.12	-0.14	4.34e-02	-6.92e-02	0.12	58.67	-74.56	-10.68	-5.21	66.56
4	11	39	2.32	-4.85	-4.85	2.32	0.16	124.79	-111.49	-108.10	121.40	28.10
4	11	40	23.76	2.55	23.75	2.57	-0.49	397.95	-601.14	-599.73	396.54	37.51
4	11	75	-0.93	-5.48	-5.43	-0.98	0.48	159.03	-165.69	-95.04	88.38	-

133.98												
4	11	84	22.20	2.72	20.76	4.17	5.11	175.15	-870.66	-738.20	42.70	-
347.82												
4	11	85	1.65	1.20	1.45	1.41	0.22	180.59	-558.92	-556.14	177.81	45.30
4	11	86	5.70	-0.88	3.60	1.23	3.07	132.00	-556.28	-512.71	88.44	-
167.60												
4	11	92	32.23	4.03	28.16	8.11	-9.91	201.99	-576.53	-553.92	179.38	130.73
4	11	93	0.93	-2.57	-1.06	-0.59	-1.74	170.90	-689.91	-657.44	138.43	164.00
4	11	141	2.31	0.84	0.86	2.30	0.15	76.52	-9.90	-9.72	76.33	3.95
4	11	142	1.06	-1.27	-2.73e-02	-0.18	-1.17	50.29	-39.13	-29.44	40.60	-27.79
4	11	144	-1.62	-5.71	-5.66	-1.67	0.45	127.14	-242.16	-137.40	22.37	166.48
4	11	161	1.57	-1.52	0.48	-0.43	1.48	20.38	-70.04	-22.89	-26.77	45.16
4	12	39	1.01	-2.05	-2.04	1.01	7.96e-02	-7.73	-234.03	-216.68	-25.08	-60.21
4	12	40	11.96	0.69	11.96	0.69	-1.30e-02	-32.66	-359.38	-296.87	-95.16	128.51
4	12	75	-0.71	-2.55	-2.52	-0.74	0.25	-69.46	-446.76	-426.84	-89.38	-84.38
4	12	84	9.26	0.72	8.77	1.21	1.98	36.62	-925.49	-906.74	17.87	-
133.01												
4	12	85	0.83	0.33	0.79	0.37	0.13	-49.31	-233.52	-224.86	-57.97	-38.98
4	12	86	2.37	-0.34	1.73	0.29	1.15	179.82	-311.64	-162.83	31.02	-
225.81												
4	12	92	17.77	2.42	15.94	4.26	-4.97	673.03	133.04	396.77	409.30	-
269.92												
4	12	93	0.63	-1.24	-0.23	-0.38	-0.94	107.75	-286.17	-272.03	93.60	-73.30
4	12	141	0.62	0.16	0.23	0.55	0.17	-30.61	-181.87	-53.42	-159.06	54.13
4	12	142	0.20	-0.75	-0.30	-0.25	-0.48	231.41	-89.76	61.85	79.80	-
160.33												
4	12	144	-0.56	-2.18	-2.18	-0.56	7.75e-02	141.34	-58.83	12.10	70.41	-95.75
4	12	161	0.69	-0.67	0.23	-0.21	0.65	-9.29	-110.44	-100.09	-19.63	30.65
4	13	39	0.95	-0.33	0.95	-0.33	-2.23e-02	138.02	-122.28	-23.57	39.30	126.30
4	13	40	4.17e-02	-4.38	-4.34	-5.56e-04	-0.43	335.95	-358.22	-313.91	291.64	-
169.69												
4	13	75	1.60	0.46	1.55	0.51	-0.24	321.37	124.15	270.78	174.74	86.13
4	13	84	1.42	-2.41	-1.52	0.53	-1.61	644.50	108.47	638.70	114.27	55.46
4	13	85	0.27	-0.40	-0.17	3.19e-02	-0.32	257.79	-234.86	-207.73	230.66	112.37
4	13	86	0.85	-1.00	-0.29	0.13	-0.90	184.63	-391.75	-277.63	70.51	229.68
4	13	92	-0.48	-9.49	-7.53	-2.45	3.72	-190.93	-1657.84	-1408.63	-440.14	550.87
4	13	93	0.33	-0.30	-8.69e-02	0.12	0.30	136.06	-448.17	-204.31	-107.81	288.10
4	13	141	2.82e-02	-0.19	-6.59e-02	-9.10e-02	-0.11	107.48	-49.43	-12.56	70.62	-66.52
4	13	142	0.63	-0.11	0.32	0.19	0.36	-1.87	-186.85	-134.11	-54.61	83.51
4	13	144	0.55	0.14	0.55	0.14	2.92e-02	-1.07	-518.04	-345.75	-173.36	243.69
4	13	161	0.39	-0.47	-0.14	6.84e-02	-0.42	152.16	-64.23	78.72	9.21	102.46
4	14	39	3.75	-1.64	3.75	-1.63	-0.10	-79.68	-159.65	-132.15	-107.17	37.99
4	14	40	-1.87	-16.14	-16.13	-1.87	5.01e-02	17.42	-228.53	-11.05	-200.06	-78.68
4	14	75	4.52	0.70	4.46	0.76	-0.47	106.77	-170.81	-61.02	-3.02	135.73
4	14	84	-0.68	-15.26	-13.50	-2.43	-4.74	610.38	-50.78	470.16	89.44	270.27
4	14	85	-0.49	-1.34	-0.82	-1.01	-0.42	129.41	-10.97	123.54	-5.11	28.09
4	14	86	1.43	-4.38	-2.15	-0.80	-2.83	216.67	-131.33	72.24	13.10	171.47
4	14	92	-2.06	-23.99	-19.75	-6.30	8.66	-139.39	-528.78	-457.95	-210.22	150.22
4	14	93	1.65	-0.59	0.74	0.33	1.10	188.67	-160.21	181.11	-152.64	50.81
4	14	141	-0.69	-1.84	-0.69	-1.83	-8.85e-02	-53.85	-167.19	-56.26	-164.78	-16.34
4	14	142	1.14	-0.97	4.74e-02	0.13	1.05	21.79	-80.03	-42.83	-15.41	-49.03
4	14	144	4.08	1.20	4.04	1.24	-0.34	-120.77	-200.80	-196.25	-125.32	-18.53
4	14	161	1.24	-1.34	-0.39	0.29	-1.25	97.20	-79.33	1.52	16.35	87.95
4	15	39	2.36	-4.98	-4.97	2.36	0.16	137.79	-104.24	-101.65	135.19	24.94
4	15	40	24.13	2.60	24.12	2.61	-0.50	410.74	-608.15	-607.18	409.76	31.55
4	15	75	-0.95	-5.65	-5.60	-1.00	0.48	167.93	-162.03	-82.05	87.95	-
141.40												
4	15	84	22.59	2.71	21.09	4.20	5.24	190.48	-876.79	-727.22	40.92	-
370.48												
4	15	85	1.70	1.19	1.45	1.44	0.26	187.68	-574.86	-572.68	185.50	40.72
4	15	86	5.81	-0.97	3.61	1.23	3.17	151.47	-588.64	-525.20	88.03	-
207.19												
4	15	92	32.71	4.14	28.57	8.28	-10.06	213.82	-574.96	-555.62	194.49	121.97
4	15	93	0.92	-2.59	-1.08	-0.58	-1.74	179.17	-710.55	-679.25	147.87	163.91
4	15	141	2.38	0.87	0.88	2.36	0.15	81.49	-8.22	-8.18	81.46	1.76
4	15	142	1.12	-1.31	-1.33e-02	-0.18	-1.21	42.58	-39.51	-32.43	35.49	-23.06
4	15	144	-1.65	-5.83	-5.78	-1.71	0.47	130.22	-246.60	-139.00	22.61	170.20
4	15	161	1.60	-1.55	0.48	-0.44	1.51	22.15	-67.64	-19.45	-26.04	44.78
4	16	39	0.97	-1.92	-1.92	0.97	7.33e-02	-22.64	-239.36	-223.13	-38.87	-57.04
4	16	40	11.59	0.64	11.59	0.64	-5.10e-03	-36.81	-361.01	-289.43	-108.39	134.47
4	16	75	-0.69	-2.39	-2.35	-0.73	0.24	-72.81	-455.97	-439.83	-88.95	-76.95
4	16	84	8.88	0.73	8.44	1.18	1.85	32.46	-930.53	-917.71	19.65	-

110.35												
4	16	85	0.81	0.31	0.79	0.33	9.51e-02	-57.79	-216.18	-208.32	-65.66	-34.41
4	16	86	2.27	-0.26	1.72	0.29	1.05	147.74	-266.67	-150.35	31.42	-
186.21												
4	16	92	17.29	2.32	15.52	4.08	-4.83	657.50	135.17	398.47	394.19	-
261.15												
4	16	93	0.65	-1.23	-0.20	-0.38	-0.93	99.49	-265.55	-250.22	84.16	-73.21
4	16	141	0.56	0.13	0.21	0.49	0.16	-31.12	-188.02	-54.96	-164.18	56.32
4	16	142	0.15	-0.72	-0.32	-0.25	-0.43	240.25	-90.50	64.83	84.92	-
165.07												
4	16	144	-0.52	-2.06	-2.06	-0.52	6.07e-02	145.33	-61.47	13.70	70.16	-99.47
4	16	161	0.67	-0.65	0.22	-0.20	0.62	-10.06	-113.84	-103.53	-20.36	31.04
4	17	39	0.82	-0.28	0.82	-0.28	-1.61e-02	146.03	-110.05	-17.12	53.09	123.13
4	17	40	9.47e-02	-4.02	-3.98	4.76e-02	-0.44	350.77	-367.26	-321.36	304.87	-
175.65												
4	17	75	1.44	0.44	1.38	0.50	-0.24	324.91	133.18	283.77	174.31	78.70
4	17	84	1.41	-2.03	-1.18	0.56	-1.48	651.67	110.50	649.68	112.49	32.80
4	17	85	0.26	-0.36	-0.17	6.60e-02	-0.29	262.24	-248.16	-224.28	238.36	107.79
4	17	86	0.76	-0.89	-0.28	0.14	-0.80	151.86	-371.87	-290.12	70.11	190.08
4	17	92	-0.38	-9.01	-7.11	-2.28	3.58	-185.17	-1650.20	-1410.33	-425.04	542.10
4	17	93	0.33	-0.32	-0.11	0.12	0.30	132.77	-457.25	-226.11	-98.37	288.02
4	17	141	7.03e-02	-0.13	-4.15e-02	-2.31e-02	-0.10	113.61	-48.90	-11.02	75.74	-68.71
4	17	142	0.60	-6.33e-02	0.34	0.19	0.32	-2.06	-194.77	-137.10	-59.73	88.25
4	17	144	0.44	9.27e-02	0.43	9.90e-02	4.61e-02	2.07	-522.54	-347.35	-173.12	247.42
4	17	161	0.37	-0.44	-0.13	6.04e-02	-0.39	154.32	-62.22	82.16	9.94	102.07
4	18	39	3.88	-1.68	3.88	-1.68	-0.11	-87.70	-171.87	-138.60	-120.97	41.15
4	18	40	-1.92	-16.50	-16.50	-1.92	5.80e-02	19.15	-236.04	-3.61	-213.28	-72.73
4	18	75	4.69	0.71	4.63	0.77	-0.48	109.24	-185.84	-74.01	-2.58	143.15
4	18	84	-0.66	-15.64	-13.84	-2.46	-4.87	621.12	-70.71	459.19	91.22	292.93
4	18	85	-0.47	-1.40	-0.82	-1.04	-0.45	146.77	-19.49	140.09	-12.80	32.66
4	18	86	1.52	-4.49	-2.17	-0.80	-2.93	263.16	-164.93	84.73	13.50	211.06
4	18	92	-2.16	-24.47	-20.16	-6.47	8.81	-144.30	-537.27	-456.24	-225.33	158.98
4	18	93	1.67	-0.58	0.77	0.32	1.10	209.88	-169.05	202.91	-162.09	50.89
4	18	141	-0.71	-1.91	-0.72	-1.90	-9.22e-02	-56.04	-171.66	-57.80	-169.90	-14.16
4	18	142	1.18	-1.02	3.35e-02	0.12	1.10	30.69	-80.83	-39.84	-10.30	-53.77
4	18	144	4.20	1.24	4.15	1.28	-0.36	-119.01	-201.20	-194.65	-125.56	-22.26
4	18	161	1.27	-1.37	-0.40	0.30	-1.27	95.62	-81.92	-1.92	15.62	88.34
4	19	39	2.26	-4.75	-4.74	2.26	0.22	126.95	-103.76	-101.32	124.51	23.60
4	19	40	23.14	2.49	23.13	2.50	-0.46	408.32	-616.46	-615.65	407.50	28.91
4	19	75	-0.88	-5.37	-5.32	-0.93	0.47	167.32	-156.00	-78.30	89.61	-
138.15												
4	19	84	21.66	2.61	20.24	4.03	5.00	174.85	-913.99	-779.51	40.37	-
358.25												
4	19	85	1.66	1.13	1.41	1.38	0.26	237.55	-563.18	-561.25	235.62	39.26
4	19	86	5.42	-1.33	3.51	0.59	3.04	141.16	-562.66	-512.13	90.62	-
181.70												
4	19	92	31.31	4.01	27.38	7.94	-9.58	219.92	-559.90	-542.37	202.38	115.61
4	19	93	0.86	-2.49	-1.04	-0.59	-1.66	179.04	-699.62	-666.87	146.29	166.44
4	19	141	2.27	0.82	0.84	2.25	0.15	77.49	-8.39	-8.38	77.48	0.87
4	19	142	1.05	-1.23	-1.53e-02	-0.16	-1.14	45.49	-39.86	-33.67	39.29	-22.15
4	19	144	-1.59	-5.58	-5.53	-1.65	0.45	137.48	-249.98	-140.77	28.28	174.32
4	19	161	1.54	-1.48	0.47	-0.42	1.44	22.95	-67.71	-18.09	-26.67	45.13
4	20	39	0.96	-1.95	-1.94	0.95	0.14	-1.84	-230.04	-209.91	-21.97	-64.71
4	20	40	11.33	0.63	11.33	0.63	1.96e-02	-32.83	-364.14	-312.78	-84.20	119.91
4	20	75	-0.65	-2.44	-2.40	-0.68	0.25	-65.40	-432.84	-410.09	-88.15	-88.55
4	20	84	8.72	0.61	8.26	1.06	1.87	36.44	-968.95	-948.05	15.54	-
143.44												
4	20	85	0.81	0.28	0.76	0.33	0.16	8.35	-238.48	-229.97	-0.15	-45.03
4	20	86	2.14	-0.85	1.64	-0.34	1.12	194.53	-323.57	-162.25	33.21	-
239.91												
4	20	92	16.85	2.40	15.16	4.09	-4.64	705.61	135.01	408.31	432.30	-
285.05												
4	20	93	0.56	-1.16	-0.21	-0.39	-0.86	114.15	-294.15	-281.46	101.46	-70.85
4	20	141	0.59	0.14	0.21	0.51	0.17	-31.47	-178.53	-52.07	-157.92	51.05
4	20	142	0.19	-0.71	-0.29	-0.23	-0.45	223.10	-86.98	57.62	78.50	-
154.69												
4	20	144	-0.54	-2.05	-2.05	-0.54	8.09e-02	136.70	-51.66	8.72	76.31	-87.90
4	20	161	0.66	-0.64	0.22	-0.19	0.61	-8.71	-106.12	-95.30	-19.53	30.62
4	21	39	0.85	-0.27	0.84	-0.27	-8.63e-02	137.89	-132.04	-30.34	36.19	130.80
4	21	40	0.12	-3.77	-3.72	6.37e-02	-0.46	322.49	-339.82	-298.00	280.67	-
161.09												
4	21	75	1.49	0.40	1.44	0.46	-0.24	312.64	114.90	254.03	173.51	90.30

4	21	84	1.56	-1.89	-1.01	0.68	-1.50	687.62	109.00	680.02	116.60	65.88
4	21	85	0.34	-0.41	-0.13	6.30e-02	-0.36	207.08	-236.84	-202.62	172.85	118.41
4	21	86	1.28	-0.71	-0.20	0.77	-0.87	194.14	-404.04	-278.22	68.32	243.78
4	21	92	-0.46	-8.57	-6.75	-2.28	3.39	-200.49	-1682.83	-1420.18	-463.15	566.00
4	21	93	0.26	-0.24	-0.11	0.13	0.22	133.12	-443.67	-194.87	-115.67	285.66
4	21	141	6.07e-02	-0.16	-4.83e-02	-4.69e-02	-0.11	103.70	-48.13	-13.91	69.47	-63.44
4	21	142	0.59	-0.10	0.31	0.17	0.34	-4.82	-178.36	-129.88	-53.30	77.86
4	21	144	0.42	0.12	0.42	0.12	2.59e-02	-11.27	-510.37	-342.37	-179.27	235.85
4	21	161	0.35	-0.43	-0.13	5.61e-02	-0.38	149.02	-65.98	73.93	9.11	102.50
4	22	39	3.65	-1.58	3.64	-1.57	-0.16	-79.76	-169.45	-138.93	-110.28	42.49
4	22	40	-1.81	-15.51	-15.51	-1.81	1.76e-02	25.62	-231.78	4.86	-211.03	-70.08
4	22	75	4.41	0.64	4.35	0.70	-0.47	103.64	-185.66	-77.76	-4.25	139.90
4	22	84	-0.56	-14.72	-12.99	-2.29	-4.63	652.09	-48.84	511.48	91.77	280.69
4	22	85	-0.42	-1.35	-0.79	-0.98	-0.46	134.56	-68.82	128.66	-62.92	34.13
4	22	86	1.84	-4.07	-2.06	-0.16	-2.80	229.32	-146.76	71.66	10.91	185.57
4	22	92	-2.04	-23.07	-18.97	-6.13	8.33	-148.15	-554.57	-469.49	-233.23	165.34
4	22	93	1.57	-0.51	0.72	0.33	1.02	197.08	-167.04	190.54	-160.50	48.37
4	22	141	-0.67	-1.80	-0.67	-1.79	-9.09e-02	-56.01	-167.52	-57.60	-165.92	-13.26
4	22	142	1.10	-0.95	3.55e-02	0.11	1.03	29.68	-82.38	-38.60	-14.10	-54.68
4	22	144	3.95	1.18	3.90	1.22	-0.35	-121.49	-202.62	-192.88	-131.23	-26.37
4	22	161	1.20	-1.31	-0.38	0.28	-1.21	95.01	-82.04	-3.28	16.25	87.99
4	23	39	2.31	-4.88	-4.87	2.30	0.23	140.08	-96.65	-94.87	138.30	20.43
4	23	40	23.50	2.54	23.49	2.55	-0.47	421.23	-623.59	-623.09	420.73	22.95
4	23	75	-0.89	-5.54	-5.49	-0.94	0.48	176.74	-152.86	-65.30	89.18	-
145.58												
4	23	84	22.04	2.60	20.58	4.06	5.13	189.96	-919.91	-768.54	38.59	-
380.91												
4	23	85	1.70	1.12	1.41	1.41	0.29	244.77	-579.26	-577.80	243.31	34.68
4	23	86	5.52	-1.41	3.52	0.59	3.14	161.59	-595.98	-524.61	90.22	-
221.30												
4	23	92	31.79	4.12	27.80	8.11	-9.72	232.19	-558.78	-544.07	217.49	106.84
4	23	93	0.85	-2.50	-1.06	-0.59	-1.66	187.32	-720.27	-688.68	155.73	166.36
4	23	141	2.34	0.85	0.86	2.32	0.15	82.62	-6.86	-6.84	82.60	-1.32
4	23	142	1.10	-1.26	-1.43e-03	-0.16	-1.18	38.23	-40.70	-36.65	34.18	-17.41
4	23	144	-1.63	-5.70	-5.65	-1.68	0.47	140.56	-254.41	-142.38	28.52	178.04
4	23	161	1.56	-1.51	0.47	-0.42	1.47	24.80	-65.39	-14.65	-25.94	44.74
4	24	39	0.91	-1.82	-1.81	0.91	0.14	-16.78	-235.34	-216.36	-35.76	-61.55
4	24	40	10.97	0.58	10.97	0.58	2.75e-02	-38.13	-364.63	-305.34	-97.42	125.87
4	24	75	-0.63	-2.27	-2.24	-0.67	0.24	-69.12	-441.68	-423.09	-87.72	-81.13
4	24	84	8.34	0.62	7.92	1.03	1.74	32.04	-973.75	-959.03	17.32	-
120.78												
4	24	85	0.79	0.26	0.76	0.30	0.13	-0.17	-221.10	-213.43	-7.85	-40.45
4	24	86	2.06	-0.78	1.63	-0.35	1.02	162.22	-278.37	-149.76	33.61	-
200.31												
4	24	92	16.37	2.29	14.74	3.91	-4.49	689.91	137.30	410.02	417.20	-
276.28												
4	24	93	0.58	-1.15	-0.18	-0.39	-0.86	105.72	-273.36	-259.66	92.02	-70.77
4	24	141	0.52	0.11	0.19	0.44	0.16	-31.99	-184.66	-53.61	-163.04	53.23
4	24	142	0.14	-0.68	-0.31	-0.23	-0.41	231.95	-87.73	60.61	83.61	-
159.43												
4	24	144	-0.50	-1.93	-1.93	-0.50	6.40e-02	140.55	-54.15	10.33	76.07	-91.63
4	24	161	0.63	-0.61	0.21	-0.19	0.59	-9.49	-109.51	-98.74	-20.26	31.00
4	25	39	0.72	-0.23	0.72	-0.22	-8.00e-02	145.92	-119.83	-23.89	49.98	127.64
4	25	40	0.17	-3.41	-3.35	0.11	-0.47	337.31	-348.86	-305.44	293.90	-
167.05												
4	25	75	1.33	0.38	1.27	0.44	-0.23	315.32	124.79	267.03	173.08	82.88
4	25	84	1.56	-1.52	-0.67	0.71	-1.37	694.22	111.60	690.99	114.82	43.22
4	25	85	0.33	-0.36	-0.13	9.71e-02	-0.33	210.69	-249.31	-219.16	180.55	113.84
4	25	86	1.20	-0.61	-0.19	0.78	-0.77	160.35	-383.14	-290.71	67.92	204.19
4	25	92	-0.35	-8.09	-6.33	-2.11	3.24	-194.96	-1674.96	-1421.88	-448.04	557.23
4	25	93	0.26	-0.26	-0.13	0.13	0.22	129.41	-452.32	-216.68	-106.23	285.58
4	25	141	0.11	-0.11	-2.39e-02	2.10e-02	-0.10	109.84	-47.61	-12.37	74.59	-65.63
4	25	142	0.55	-5.16e-02	0.33	0.18	0.29	-5.04	-186.24	-132.87	-58.42	82.60
4	25	144	0.31	7.07e-02	0.30	7.87e-02	4.28e-02	-8.13	-514.87	-343.97	-179.02	239.57
4	25	161	0.33	-0.40	-0.13	4.81e-02	-0.36	151.15	-63.94	77.37	9.84	102.11
4	26	39	3.78	-1.62	3.77	-1.61	-0.17	-87.84	-181.61	-145.38	-124.08	45.66
4	26	40	-1.86	-15.88	-15.88	-1.86	2.55e-02	28.57	-240.51	12.31	-224.25	-64.12
4	26	75	4.58	0.65	4.52	0.71	-0.47	106.32	-200.89	-90.76	-3.82	147.33
4	26	84	-0.54	-15.10	-13.33	-2.32	-4.76	662.30	-68.25	500.50	93.55	303.36
4	26	85	-0.40	-1.40	-0.78	-1.01	-0.49	151.93	-77.35	145.20	-70.61	38.70
4	26	86	1.93	-4.17	-2.08	-0.16	-2.90	275.82	-180.37	84.15	11.31	225.17
4	26	92	-2.14	-23.55	-19.39	-6.30	8.47	-152.26	-563.86	-467.79	-248.33	174.11

4	26	93	1.58	-0.50	0.75	0.33	1.02	218.39	-175.99	212.35	-169.94	48.45
4	26	141	-0.69	-1.87	-0.70	-1.86	-9.46e-02	-58.06	-172.13	-59.14	-171.04	-11.07
4	26	142	1.13	-1.01	2.16e-02	0.10	1.07	38.59	-83.19	-35.61	-8.99	-59.42
4	26	144	4.07	1.22	4.02	1.26	-0.36	-118.95	-203.80	-191.27	-131.47	-30.10
4	26	161	1.23	-1.33	-0.39	0.29	-1.24	93.47	-84.67	-6.72	15.52	88.37
4	27	39	2.92	-6.09	-6.09	2.92	0.19	353.32	-41.59	48.17	263.56	165.50
4	27	40	27.72	3.81	27.68	3.85	-1.03	944.56	-864.13	-853.04	933.47	-141.18
4	27	75	-0.70	-6.44	-6.39	-0.74	0.49	497.11	248.97	420.09	326.00	-114.80
4	27	84	28.77	4.52	26.94	6.36	6.41	482.45	-445.39	-59.65	96.71	-457.29
4	27	85	2.18	1.61	1.65	2.14	0.15	492.64	-841.94	-820.68	471.38	167.11
4	27	86	7.29	-0.95	4.41	1.93	3.93	150.71	-840.19	-838.63	149.14	39.36
4	27	92	34.56	4.27	29.93	8.91	-10.91	-19.79	-2248.10	-1962.19	-305.69	745.21
4	27	93	0.90	-3.16	-1.68	-0.58	-1.96	293.39	-1137.35	-948.50	104.55	484.28
4	27	141	3.50	1.26	1.27	3.49	3.91e-02	368.13	21.10	40.26	348.96	-79.27
4	27	142	1.67	-1.23	0.42	2.29e-02	-1.44	73.32	-284.36	-172.57	-38.46	165.79
4	27	144	-2.22	-7.66	-7.56	-2.32	0.74	275.57	-762.48	-384.73	-102.18	499.42
4	27	161	1.88	-1.84	0.55	-0.51	1.79	143.42	-63.18	102.75	-22.51	82.15
4	28	39	3.25	-1.44	3.25	-1.44	-7.42e-02	-132.90	-405.59	-313.78	-224.70	-128.87
4	28	40	-2.36	-11.67	-11.63	-2.39	0.57	186.01	-735.02	156.51	-705.53	162.16
4	28	75	3.35	4.41e-02	3.33	6.56e-02	-0.27	-260.54	-691.90	-685.90	-266.54	50.52
4	28	84	-2.04	-14.48	-13.00	-3.52	-4.03	105.99	-713.49	-621.45	13.95	258.75
4	28	85	-0.50	-1.37	-0.54	-1.33	-0.18	304.50	-335.47	283.57	-314.54	-113.84
4	28	86	1.02	-4.00	-1.80	-1.18	-2.49	383.79	-98.39	327.64	-42.23	-154.67
4	28	92	-0.83	-13.91	-10.81	-3.93	5.56	1532.01	135.44	1206.75	460.70	-590.30
4	28	93	1.45	-0.27	1.08	0.10	0.71	506.75	-215.41	336.22	-44.88	-306.71
4	28	141	-0.82	-2.32	-0.82	-2.32	9.73e-02	-83.40	-457.68	-105.39	-435.69	88.01
4	28	142	0.53	-1.23	-0.51	-0.19	0.86	388.68	-164.75	131.71	92.22	-276.01
4	28	144	4.16	1.27	4.07	1.36	-0.50	461.44	-289.91	113.59	57.95	-374.65
4	28	161	0.99	-1.04	-0.28	0.23	-0.98	8.30	-161.60	-154.60	1.29	33.78
4	29	39	2.13	-4.35	-4.35	2.12	0.13	368.00	-55.54	73.53	238.93	194.96
4	29	40	19.31	3.02	19.25	3.08	-1.01	926.42	-791.70	-767.29	902.01	-203.34
4	29	75	-0.27	-4.32	-4.30	-0.29	0.27	542.33	339.41	529.84	351.90	-48.77
4	29	84	21.45	4.07	20.25	5.26	4.39	592.08	-120.47	353.42	118.19	-336.30
4	29	85	1.73	1.16	1.16	1.73	-1.78e-02	515.69	-744.62	-716.16	487.23	187.23
4	29	86	5.28	-0.43	3.25	1.60	2.74	170.55	-794.88	-768.10	143.77	158.55
4	29	92	22.07	2.90	19.22	5.74	-6.81	-128.39	-2581.77	-2218.61	-491.55	871.25
4	29	93	0.56	-2.32	-1.39	-0.36	-1.35	279.68	-1061.56	-812.55	30.67	521.51
4	29	141	2.78	0.99	0.99	2.78	-3.72e-02	377.10	9.56	39.41	347.25	-100.41
4	29	142	1.33	-0.67	0.53	0.13	-0.98	75.13	-346.12	-203.97	-67.03	199.19
4	29	144	-1.69	-5.79	-5.69	-1.78	0.61	237.78	-845.91	-447.23	-160.90	522.59
4	29	161	1.27	-1.27	0.37	-0.36	1.22	183.72	-62.20	133.23	-11.71	99.34
4	30	39	4.99	-2.24	4.99	-2.23	-0.13	-167.57	-370.19	-288.42	-249.33	-99.41
4	30	40	-3.14	-20.08	-20.06	-3.16	0.59	252.36	-747.10	242.26	-736.99	100.01
4	30	75	5.47	0.47	5.43	0.51	-0.48	-204.12	-612.66	-576.15	-240.63	116.55
4	30	84	-2.49	-21.81	-19.68	-4.62	-6.04	312.34	-485.30	-208.38	35.42	379.73
4	30	85	-0.89	-1.88	-1.02	-1.74	-0.34	400.65	-311.24	388.09	-298.68	-93.72
4	30	86	1.52	-5.99	-2.97	-1.50	-3.68	400.97	-50.42	398.16	-47.61	-35.49
4	30	92	-2.26	-26.36	-21.52	-7.10	9.65	1186.70	38.47	950.33	274.85	-464.26
4	30	93	2.26	-0.58	1.37	0.32	1.32	576.59	-223.19	472.16	-118.76	-269.47
4	30	141	-1.10	-3.03	-1.10	-3.03	2.10e-02	-93.25	-450.40	-106.25	-437.41	66.87
4	30	142	1.09	-1.57	-0.40	-7.94e-02	1.32	325.29	-161.33	100.31	63.65	-242.62
4	30	144	6.03	1.81	5.93	1.90	-0.63	377.59	-327.28	51.08	-0.77	-351.48
4	30	161	1.56	-1.65	-0.46	0.38	-1.55	29.05	-141.08	-124.12	12.09	50.97
4	31	39	2.90	-6.06	-6.06	2.90	0.20	353.37	-38.67	50.20	264.49	164.15
4	31	40	27.53	3.79	27.49	3.83	-1.02	948.21	-869.26	-857.81	936.76	-

143.76												
4	31	75	-0.68	-6.40	-6.36	-0.73	0.49	501.86	249.62	425.11	326.37	-
116.05												
4	31	84	28.61	4.49	26.78	6.31	6.38	480.00	-456.04	-72.05	96.01	-
460.41												
4	31	85	2.18	1.59	1.64	2.13	0.16	509.24	-842.74	-822.22	488.72	165.29
4	31	86	7.20	-1.08	4.38	1.74	3.92	151.05	-839.70	-838.45	149.80	35.13
4	31	92	34.29	4.27	29.69	8.86	-10.81	-16.36	-2241.17	-1958.73	-298.79	740.67
4	31	93	0.88	-3.14	-1.68	-0.58	-1.93	295.56	-1139.99	-951.33	106.90	485.01
4	31	141	3.48	1.26	1.26	3.48	3.99e-02	368.90	21.08	40.67	349.30	-80.19
4	31	142	1.67	-1.22	0.42	2.84e-02	-1.43	74.23	-286.92	-173.84	-38.85	167.49
4	31	144	-2.22	-7.62	-7.52	-2.32	0.74	278.59	-764.74	-385.74	-100.41	501.78
4	31	161	1.87	-1.83	0.55	-0.51	1.77	144.57	-62.86	104.19	-22.48	82.14
4	32	39	3.28	-1.46	3.28	-1.46	-5.51e-02	-130.31	-405.20	-311.75	-223.77	-
130.22												
4	32	40	-2.38	-11.86	-11.82	-2.41	0.58	180.58	-731.08	151.74	-702.24	159.58
4	32	75	3.39	6.15e-02	3.36	8.29e-02	-0.27	-260.40	-686.64	-680.87	-266.17	49.27
4	32	84	-2.08	-14.64	-13.15	-3.57	-4.06	102.04	-722.64	-633.85	13.25	255.62
4	32	85	-0.51	-1.37	-0.55	-1.34	-0.17	304.27	-319.43	282.03	-297.19	-
115.65												
4	32	86	0.91	-4.11	-1.83	-1.37	-2.50	386.76	-100.53	327.81	-41.58	-
158.90												
4	32	92	-0.84	-14.19	-11.04	-3.98	5.66	1540.12	137.69	1210.21	467.60	-
594.84												
4	32	93	1.48	-0.29	1.08	0.10	0.73	504.53	-213.66	333.39	-42.53	-
305.97												
4	32	141	-0.82	-2.34	-0.83	-2.33	9.80e-02	-83.44	-456.90	-104.99	-435.35	87.09
4	32	142	0.54	-1.23	-0.50	-0.19	0.87	386.13	-163.86	130.44	91.82	-
274.32												
4	32	144	4.19	1.28	4.10	1.37	-0.50	459.38	-287.09	112.57	59.72	-
372.29												
4	32	161	1.00	-1.05	-0.28	0.23	-0.99	8.38	-160.22	-153.16	1.32	33.77
4	33	39	2.14	-4.38	-4.38	2.14	0.11	367.98	-58.48	71.50	237.99	196.31
4	33	40	19.50	3.04	19.44	3.10	-1.02	922.63	-786.44	-762.52	898.72	-
200.76												
4	33	75	-0.29	-4.35	-4.33	-0.31	0.27	536.99	339.36	524.81	351.53	-47.52
4	33	84	21.61	4.11	20.41	5.31	4.42	597.66	-112.96	365.81	118.89	-
333.17												
4	33	85	1.74	1.17	1.17	1.74	-2.89e-02	499.33	-744.06	-714.63	469.89	189.04
4	33	86	5.38	-0.31	3.27	1.80	2.75	171.31	-796.48	-768.28	143.11	162.78
4	33	92	22.34	2.90	19.45	5.79	-6.92	-131.55	-2588.97	-2222.07	-498.45	875.79
4	33	93	0.58	-2.34	-1.40	-0.36	-1.37	277.72	-1059.13	-809.73	28.31	520.78
4	33	141	2.79	0.99	0.99	2.79	-3.79e-02	376.25	9.66	39.01	346.90	-99.48
4	33	142	1.33	-0.68	0.52	0.13	-0.99	74.21	-343.55	-202.70	-66.63	197.49
4	33	144	-1.70	-5.83	-5.73	-1.79	0.61	234.76	-843.65	-446.22	-162.67	520.24
4	33	161	1.28	-1.28	0.37	-0.37	1.23	182.58	-62.53	131.79	-11.74	99.35
4	34	39	4.96	-2.22	4.96	-2.21	-0.15	-170.26	-370.45	-290.45	-250.26	-98.06
4	34	40	-3.12	-19.89	-19.87	-3.14	0.58	257.58	-750.83	247.03	-740.28	102.59
4	34	75	5.44	0.45	5.39	0.50	-0.48	-204.19	-617.99	-581.17	-241.00	117.80
4	34	84	-2.46	-21.64	-19.53	-4.57	-6.01	320.13	-480.00	-195.99	36.12	382.86
4	34	85	-0.87	-1.88	-1.01	-1.73	-0.35	401.40	-327.80	389.62	-316.02	-91.91
4	34	86	1.64	-5.89	-2.94	-1.31	-3.67	400.16	-50.45	397.98	-48.27	-31.26
4	34	92	-2.25	-26.08	-21.28	-7.05	9.55	1178.88	35.94	946.87	267.95	-
459.72												
4	34	93	2.24	-0.56	1.36	0.32	1.30	579.24	-225.36	474.99	-121.12	-
270.21												
4	34	141	-1.09	-3.02	-1.09	-3.02	2.03e-02	-93.30	-451.09	-106.65	-437.75	67.80
4	34	142	1.08	-1.57	-0.40	-8.49e-02	1.32	327.84	-162.22	101.58	64.05	-
244.31												
4	34	144	5.99	1.80	5.89	1.90	-0.63	379.66	-330.11	52.09	-2.55	-
353.83												
4	34	161	1.55	-1.64	-0.46	0.37	-1.54	28.88	-142.38	-125.56	12.06	50.98
4	35	39	3.06	-6.52	-6.51	3.06	0.21	385.54	-6.33	69.67	309.53	154.95
4	35	40	28.94	3.97	28.90	4.01	-1.06	991.43	-891.72	-877.85	977.55	-
161.04												
4	35	75	-0.74	-6.99	-6.95	-0.79	0.51	549.85	238.11	463.41	324.55	-
139.56												
4	35	84	30.05	4.48	28.07	6.46	6.84	569.71	-502.00	-23.07	90.78	-
532.82												
4	35	85	2.35	1.55	1.64	2.25	0.25	513.62	-892.43	-875.84	497.02	151.85
4	35	86	7.65	-1.25	4.46	1.94	4.27	156.08	-888.53	-880.25	147.80	-92.63
4	35	92	36.17	4.62	31.31	9.48	-11.39	4.56	-2227.78	-1967.88	-255.34	715.99

4	35	93	0.88	-3.22	-1.77	-0.57	-1.96	311.76	-1196.92	-1021.18	136.02 483.99
4	35	141	3.72	1.35	1.35	3.72	5.17e-02	387.90	23.53	45.40	366.03 -86.55
4	35	142	1.84	-1.34	0.47	3.55e-02	-1.58	73.36	-311.39	-182.53	-55.50 181.59
4	35	144	-2.34	-8.06	-7.95	-2.46	0.79	286.09	-777.54	-390.08	-101.37 511.85
4	35	161	1.97	-1.94	0.57	-0.54	1.87	152.17	-58.03	114.22	-20.07 80.85
4	36	39	3.68	-1.58	3.68	-1.58	-9.51e-02	-180.33	-425.62	-335.28	-270.67 -
118.31											
4	36	40	-2.52	-12.89	-12.85	-2.55	0.60	215.65	-783.93	181.32	-749.60 182.03
4	36	75	3.91	8.66e-02	3.89	0.11	-0.29	-253.20	-741.12	-729.21	-265.10 75.27
4	36	84	-1.99	-15.77	-14.13	-3.63	-4.46	156.99	-795.15	-658.04	19.88 334.29
4	36	85	-0.45	-1.53	-0.53	-1.44	-0.28	352.75	-354.21	338.72	-340.18 -98.59
4	36	86	1.33	-4.36	-1.85	-1.19	-2.83	370.51	-42.14	369.26	-40.89 -22.68
4	36	92	-1.19	-15.51	-12.20	-4.51	6.04	1501.06	121.72	1212.44	410.35 -
561.08											
4	36	93	1.52	-0.26	1.16	9.84e-02	0.71	557.12	-224.57	408.90	-76.36 -
306.42											
4	36	141	-0.90	-2.55	-0.90	-2.54	8.48e-02	-85.78	-477.51	-110.53	-452.76 95.29
4	36	142	0.64	-1.40	-0.55	-0.20	1.01	417.72	-166.79	141.67	109.26 -
291.80											
4	36	144	4.56	1.39	4.46	1.49	-0.56	476.33	-300.26	118.94	57.14 -
387.07											
4	36	161	1.08	-1.13	-0.30	0.25	-1.07	6.01	-173.22	-166.07	-1.14 35.07
4	37	39	2.27	-4.78	-4.77	2.26	0.15	397.37	-17.44	95.03	284.90 184.40
4	37	40	20.53	3.18	20.47	3.24	-1.04	974.29	-820.31	-792.10	946.08 -
223.20											
4	37	75	-0.32	-4.87	-4.86	-0.34	0.30	595.24	328.38	573.15	350.46 -73.52
4	37	84	22.72	4.03	21.38	5.37	4.82	685.75	-183.49	390.00	112.26 -
411.84											
4	37	85	1.85	1.15	1.16	1.84	8.88e-02	535.51	-793.95	-771.32	512.88 171.98
4	37	86	5.64	-0.73	3.29	1.62	3.07	143.16	-810.47	-809.73	142.42 26.56
4	37	92	23.67	3.25	20.61	6.31	-7.29	-106.42	-2559.07	-2224.30	-441.20 842.03
4	37	93	0.54	-2.38	-1.48	-0.36	-1.35	292.77	-1115.86	-885.24	62.15 521.23
4	37	141	3.01	1.07	1.07	3.00	-2.47e-02	397.20	11.66	44.54	364.32 -
107.69											
4	37	142	1.50	-0.78	0.57	0.15	-1.12	75.57	-373.57	-213.93	-84.07 214.98
4	37	144	-1.81	-6.19	-6.08	-1.91	0.67	248.30	-860.98	-452.58	-160.09 535.01
4	37	161	1.36	-1.36	0.39	-0.39	1.30	192.37	-56.95	144.70	-9.28 98.04
4	38	39	5.42	-2.38	5.42	-2.37	-0.15	-213.46	-391.77	-309.92	-295.30 -88.85
4	38	40	-3.30	-21.30	-21.28	-3.32	0.61	280.60	-794.61	267.06	-781.07 119.87
4	38	75	6.03	0.51	5.98	0.56	-0.50	-192.43	-666.23	-619.47	-239.19 141.31
4	38	84	-2.44	-23.09	-20.81	-4.72	-6.47	375.44	-579.06	-244.97	41.35 455.27
4	38	85	-0.82	-2.05	-1.02	-1.86	-0.45	451.18	-332.26	443.24	-324.32 -78.47
4	38	86	1.82	-6.35	-3.01	-1.52	-4.02	458.24	-64.73	439.79	-46.27 96.50
4	38	92	-2.61	-27.96	-22.90	-7.67	10.13	1158.63	21.89	956.02	224.49 -
435.04											
4	38	93	2.32	-0.56	1.45	0.31	1.32	636.90	-242.29	544.84	-150.23 -
269.19											
4	38	141	-1.18	-3.26	-1.18	-3.26	8.42e-03	-96.04	-469.82	-111.38	-454.48 74.15
4	38	142	1.21	-1.74	-0.45	-9.20e-02	1.46	354.32	-163.36	110.26	80.70 -
258.41											
4	38	144	6.43	1.93	6.32	2.03	-0.69	392.48	-337.63	56.43	-1.58 -
363.90											
4	38	161	1.66	-1.74	-0.49	0.40	-1.64	26.50	-152.44	-135.59	9.65 52.26
4	39	39	3.04	-6.49	-6.48	3.04	0.23	385.61	-3.45	71.71	310.46 153.59
4	39	40	28.75	3.95	28.71	4.00	-1.05	995.10	-896.88	-882.62	980.84 -
163.62											
4	39	75	-0.73	-6.96	-6.92	-0.77	0.51	554.71	238.64	468.43	324.92 -
140.81											
4	39	84	29.89	4.44	27.91	6.42	6.81	566.93	-512.30	-35.46	90.08 -
535.95											
4	39	85	2.34	1.54	1.63	2.25	0.26	530.36	-893.36	-877.37	514.36 150.04
4	39	86	7.55	-1.37	4.43	1.75	4.26	157.50	-889.12	-880.08	148.46 -96.86
4	39	92	35.89	4.62	31.08	9.43	-11.28	8.16	-2221.02	-1964.42	-248.44 711.45
4	39	93	0.86	-3.19	-1.76	-0.57	-1.94	313.98	-1199.61	-1024.01	138.38 484.73
4	39	141	3.71	1.34	1.34	3.71	5.24e-02	388.69	23.49	45.80	366.38 -87.47
4	39	142	1.84	-1.33	0.47	4.09e-02	-1.57	74.27	-313.96	-183.80	-55.90 183.28
4	39	144	-2.34	-8.02	-7.91	-2.45	0.80	289.11	-779.80	-391.09	-99.60 514.20
4	39	161	1.96	-1.93	0.57	-0.54	1.86	153.35	-57.74	115.66	-20.04 80.84
4	40	39	3.71	-1.60	3.71	-1.60	-7.59e-02	-177.69	-425.30	-333.25	-269.74 -
119.66											
4	40	40	-2.54	-13.08	-13.04	-2.57	0.61	210.21	-779.98	176.54	-746.31 179.45
4	40	75	3.94	0.10	3.92	0.13	-0.29	-253.10	-735.82	-724.19	-264.73 74.02

4	40	84	-2.03	-15.93	-14.28	-3.67	-4.49	152.45	-803.70	-670.44	19.18	331.16
4	40	85	-0.47	-1.53	-0.54	-1.45	-0.27	352.12	-337.77	337.19	-322.84	-100.40
4	40	86	1.22	-4.47	-1.88	-1.38	-2.84	371.20	-42.00	369.44	-40.24	-26.92
4	40	92	-1.20	-15.79	-12.43	-4.56	6.14	1508.95	124.20	1215.90	417.25	-565.62
4	40	93	1.54	-0.28	1.17	9.58e-02	0.74	554.70	-222.63	406.07	-74.00	-305.68
4	40	141	-0.91	-2.56	-0.91	-2.56	8.55e-02	-85.83	-476.71	-110.12	-452.42	94.37
4	40	142	0.66	-1.40	-0.55	-0.20	1.01	415.17	-165.91	140.40	108.87	-290.11
4	40	144	4.60	1.40	4.50	1.50	-0.56	474.26	-297.43	117.92	58.91	-384.72
4	40	161	1.09	-1.14	-0.30	0.26	-1.08	6.09	-171.83	-164.63	-1.11	35.06
4	41	39	2.28	-4.81	-4.81	2.28	0.13	397.34	-20.38	93.00	283.96	185.76
4	41	40	20.72	3.20	20.66	3.26	-1.05	970.48	-815.02	-787.33	942.79	-220.62
4	41	75	-0.33	-4.91	-4.89	-0.35	0.30	589.91	328.31	568.13	350.09	-72.27
4	41	84	22.89	4.06	21.54	5.41	4.86	691.25	-175.90	402.40	112.95	-408.71
4	41	85	1.86	1.16	1.17	1.85	7.77e-02	518.97	-793.22	-769.78	495.53	173.79
4	41	86	5.74	-0.61	3.32	1.81	3.08	142.76	-810.90	-809.91	141.77	30.79
4	41	92	23.95	3.25	20.84	6.36	-7.40	-109.73	-2566.13	-2227.76	-448.10	846.57
4	41	93	0.56	-2.40	-1.48	-0.36	-1.37	290.72	-1113.34	-882.41	59.79	520.49
4	41	141	3.02	1.07	1.08	3.02	-2.54e-02	396.34	11.78	44.14	363.97	-106.76
4	41	142	1.50	-0.79	0.57	0.14	-1.13	74.65	-370.99	-212.66	-83.68	213.28
4	41	144	-1.82	-6.23	-6.12	-1.92	0.67	245.29	-858.72	-451.57	-161.86	532.66
4	41	161	1.37	-1.37	0.39	-0.39	1.31	191.21	-57.26	143.26	-9.31	98.05
4	42	39	5.39	-2.36	5.38	-2.35	-0.17	-216.24	-391.95	-311.96	-296.23	-87.50
4	42	40	-3.28	-21.12	-21.09	-3.30	0.60	285.85	-798.37	271.84	-784.36	122.45
4	42	75	5.99	0.49	5.95	0.54	-0.50	-192.51	-671.54	-624.49	-239.56	142.56
4	42	84	-2.40	-22.93	-20.66	-4.68	-6.44	383.26	-573.78	-232.58	42.05	458.40
4	42	85	-0.81	-2.05	-1.01	-1.85	-0.46	452.18	-349.07	444.78	-341.67	-76.66
4	42	86	1.94	-6.25	-2.99	-1.32	-4.01	459.64	-66.96	439.61	-46.93	100.73
4	42	92	-2.61	-27.69	-22.67	-7.62	10.03	1151.09	19.06	952.56	217.59	-430.50
4	42	93	2.30	-0.54	1.45	0.31	1.30	639.64	-244.55	547.67	-152.59	-269.92
4	42	141	-1.18	-3.25	-1.18	-3.25	7.70e-03	-96.07	-470.53	-111.78	-454.82	75.08
4	42	142	1.19	-1.74	-0.45	-9.74e-02	1.46	356.86	-164.24	111.53	81.09	-260.11
4	42	144	6.39	1.92	6.28	2.03	-0.69	394.56	-340.47	57.44	-3.36	-366.26
4	42	161	1.65	-1.73	-0.48	0.40	-1.63	26.35	-153.75	-137.03	9.62	52.27
4	43	39	1.90	-3.95	-3.95	1.90	0.13	101.69	-113.93	-109.97	97.72	28.97
4	43	40	19.57	2.09	19.56	2.10	-0.43	335.49	-539.86	-539.17	334.80	24.65
4	43	75	-0.76	-4.44	-4.40	-0.80	0.38	129.88	-140.86	-89.92	78.94	-105.81
4	43	84	18.28	2.35	17.16	3.48	4.08	152.31	-718.02	-613.29	47.58	-283.16
4	43	85	1.34	1.02	1.20	1.15	0.16	161.81	-488.36	-485.47	158.92	43.25
4	43	86	4.65	-0.65	2.98	1.01	2.46	111.88	-482.93	-451.85	80.81	-132.36
4	43	92	26.33	3.39	23.12	6.60	-7.96	163.91	-569.46	-544.58	139.03	132.78
4	43	93	0.77	-2.13	-0.87	-0.49	-1.44	140.85	-603.03	-570.35	108.17	152.46
4	43	141	1.88	0.68	0.70	1.87	0.12	51.38	-14.50	-14.47	51.34	1.56
4	43	142	0.85	-1.02	-1.83e-02	-0.15	-0.93	45.69	-42.53	-31.23	34.39	-29.48
4	43	144	-1.32	-4.69	-4.65	-1.36	0.37	97.19	-234.05	-143.94	7.09	147.40
4	43	161	1.27	-1.23	0.38	-0.35	1.19	28.69	-70.65	-19.92	-22.04	49.66
4	44	39	0.87	-1.74	-1.73	0.87	6.88e-02	-9.44	-205.05	-196.05	-18.44	-41.00
4	44	40	10.22	0.61	10.22	0.61	-5.45e-02	-21.15	-332.55	-298.80	-54.90	96.80
4	44	75	-0.58	-2.12	-2.10	-0.61	0.20	-47.44	-367.37	-352.87	-61.94	-66.53
4	44	84	8.04	0.76	7.67	1.13	1.60	44.15	-762.18	-746.02	27.99	-113.01
4	44	85	0.70	0.31	0.69	0.33	8.31e-02	-25.26	-225.72	-222.92	-28.07	-23.55
4	44	86	2.01	-0.23	1.51	0.28	0.93	137.09	-276.35	-174.53	35.27	-178.12
4	44	92	14.88	2.10	13.44	3.55	-4.05	458.12	71.95	208.93	321.14	-184.75
4	44	93	0.53	-1.07	-0.21	-0.33	-0.80	76.34	-268.60	-264.89	72.63	-35.60
4	44	141	0.54	0.14	0.20	0.49	0.14	-32.50	-151.85	-49.12	-135.24	41.32

4	44	142	0.17	-0.61	-0.24	-0.20	-0.39	188.32	-81.83	41.10	65.39	-134.53
4	44	144	-0.48	-1.89	-1.89	-0.49	7.33e-02	79.75	-60.20	-25.50	45.04	-60.44
4	44	161	0.57	-0.56	0.19	-0.18	0.54	1.15	-98.86	-81.10	-16.61	38.22
4	45	39	0.64	-0.18	0.64	-0.18	-1.16e-02	108.01	-119.55	-44.20	32.67	107.09
4	45	40	0.13	-2.66	-2.60	7.65e-02	-0.39	283.36	-343.97	-311.99	251.38	-137.98
4	45	75	1.17	0.34	1.13	0.38	-0.19	244.69	99.42	196.81	147.30	68.29
4	45	84	1.44	-1.24	-0.42	0.61	-1.23	481.32	100.81	477.98	104.15	35.45
4	45	85	0.29	-0.28	-6.00e-02	6.87e-02	-0.28	222.51	-231.42	-209.68	200.77	96.93
4	45	86	0.74	-0.65	-6.51e-02	0.15	-0.69	146.56	-346.23	-265.93	66.26	181.99
4	45	92	-0.14	-6.63	-5.03	-1.74	2.79	-149.53	-1423.24	-1220.79	-351.99	465.70
4	45	93	0.17	-0.20	-0.10	6.76e-02	0.17	108.90	-407.19	-211.44	-86.84	250.41
4	45	141	4.87e-02	-0.11	-3.44e-02	-2.38e-02	-7.76e-02	77.40	-47.47	-16.86	46.79	-53.71
4	45	142	0.48	-8.32e-02	0.26	0.14	0.28	-8.46	-145.10	-113.37	-40.19	57.70
4	45	144	0.27	5.93e-02	0.26	6.49e-02	3.35e-02	-4.84	-451.31	-308.15	-148.00	208.38
4	45	161	0.28	-0.34	-0.10	3.99e-02	-0.30	131.56	-65.64	59.73	6.19	94.89
4	46	39	2.85	-1.22	2.85	-1.22	-7.36e-02	-63.01	-150.77	-130.28	-83.50	37.12
4	46	40	-1.41	-11.95	-11.95	-1.41	-8.23e-03	-31.17	-178.76	-71.62	-138.32	-65.83
4	46	75	3.48	0.53	3.43	0.57	-0.37	83.66	-143.38	-66.14	6.42	107.56
4	46	84	-0.30	-11.34	-9.91	-1.74	-3.71	458.35	-28.54	345.26	84.55	205.61
4	46	85	-0.30	-1.03	-0.58	-0.76	-0.35	69.24	-2.59	52.88	13.77	30.13
4	46	86	1.20	-3.32	-1.54	-0.58	-2.21	152.37	-120.26	11.38	20.73	136.24
4	46	92	-1.41	-18.09	-14.71	-4.79	6.71	-108.65	-528.50	-467.28	-169.87	148.17
4	46	93	1.21	-0.42	0.55	0.23	0.80	110.69	-139.06	94.02	-122.38	62.35
4	46	141	-0.53	-1.41	-0.53	-1.40	-6.36e-02	-49.36	-141.94	-51.51	-139.79	-13.95
4	46	142	0.89	-0.76	3.84e-02	9.39e-02	0.82	24.83	-75.06	-41.03	-9.20	-47.35
4	46	144	3.06	0.91	3.02	0.94	-0.26	-110.04	-189.71	-189.71	-110.04	0.54
4	46	161	0.95	-1.04	-0.30	0.22	-0.96	88.79	-78.62	-1.45	11.62	83.45
4	47	39	1.94	-4.05	-4.05	1.94	0.14	111.81	-108.09	-104.86	108.58	26.46
4	47	40	19.86	2.13	19.85	2.14	-0.44	345.72	-545.53	-545.08	345.28	19.93
4	47	75	-0.77	-4.57	-4.53	-0.81	0.38	136.37	-137.39	-79.62	78.60	-111.71
4	47	84	18.59	2.34	17.43	3.50	4.18	164.14	-722.50	-604.53	46.16	-301.14
4	47	85	1.38	1.01	1.20	1.18	0.18	167.39	-500.94	-498.59	165.03	39.63
4	47	86	4.73	-0.72	2.99	1.02	2.54	126.03	-507.28	-461.75	80.49	-163.60
4	47	92	26.71	3.47	23.45	6.74	-8.07	173.03	-567.95	-545.93	151.01	125.82
4	47	93	0.76	-2.14	-0.89	-0.49	-1.44	147.26	-619.23	-587.64	115.66	152.38
4	47	141	1.93	0.70	0.72	1.92	0.13	55.40	-13.25	-13.25	55.40	-0.17
4	47	142	0.89	-1.05	-7.18e-03	-0.15	-0.97	39.40	-42.67	-33.60	30.33	-25.73
4	47	144	-1.35	-4.79	-4.74	-1.39	0.38	99.62	-237.55	-145.21	7.28	150.36
4	47	161	1.29	-1.26	0.39	-0.36	1.21	30.09	-68.71	-17.19	-21.42	49.35
4	48	39	0.84	-1.63	-1.63	0.83	6.39e-02	-21.07	-209.38	-201.16	-29.30	-38.49
4	48	40	9.93	0.58	9.93	0.58	-4.83e-02	-26.66	-331.60	-292.88	-65.38	101.53
4	48	75	-0.57	-1.99	-1.97	-0.60	0.19	-49.86	-374.91	-363.17	-61.59	-60.64
4	48	84	7.74	0.76	7.40	1.10	1.50	40.77	-766.14	-754.78	29.42	-95.03
4	48	85	0.70	0.29	0.69	0.30	5.77e-02	-31.94	-212.03	-209.80	-34.18	-19.92
4	48	86	1.93	-0.17	1.50	0.27	0.85	113.23	-242.28	-164.63	35.59	-146.88
4	48	92	14.50	2.02	13.11	3.41	-3.93	444.26	75.17	210.28	309.15	-177.80
4	48	93	0.54	-1.07	-0.19	-0.33	-0.80	69.12	-251.59	-247.60	65.14	-35.53
4	48	141	0.49	0.12	0.18	0.43	0.13	-32.92	-156.72	-50.34	-139.30	43.05
4	48	142	0.13	-0.58	-0.25	-0.20	-0.36	195.35	-82.43	43.47	69.45	-138.28
4	48	144	-0.45	-1.80	-1.80	-0.46	5.99e-02	82.50	-61.87	-24.22	44.85	-63.39
4	48	161	0.55	-0.54	0.18	-0.17	0.52	0.40	-101.45	-83.82	-17.23	38.53
4	49	39	0.54	-0.15	0.54	-0.15	-6.65e-03	114.66	-110.23	-39.09	43.53	104.58
4	49	40	0.18	-2.38	-2.31	0.11	-0.39	295.09	-351.12	-317.90	261.86	-142.71
4	49	75	1.05	0.32	1.00	0.37	-0.18	246.30	107.77	207.11	146.96	62.39
4	49	84	1.44	-0.95	-0.15	0.64	-1.13	487.54	101.93	486.75	102.72	17.48
4	49	85	0.28	-0.25	-6.09e-02	9.56e-02	-0.25	226.26	-242.18	-222.79	206.87	93.31
4	49	86	0.67	-0.56	-5.44e-02	0.16	-0.61	122.94	-332.83	-275.83	65.94	150.76
4	49	92	-5.74e-02	-6.25	-4.70	-1.60	2.68	-144.68	-1417.46	-1222.14	-340.00	458.75
4	49	93	0.16	-0.22	-0.12	6.87e-02	0.16	107.20	-415.28	-228.73	-79.35	250.34
4	49	141	8.54e-02	-7.04e-02	-1.50e-02	3.00e-02	-7.46e-02	82.25	-47.04	-15.64	50.85	-55.44
4	49	142	0.46	-4.44e-02	0.27	0.15	0.24	-8.90	-151.09	-115.73	-44.25	61.46
4	49	144	0.18	1.91e-02	0.17	3.38e-02	4.69e-02	-2.36	-454.87	-309.42	-147.81	211.33
4	49	161	0.26	-0.32	-9.48e-02	3.36e-02	-0.28	133.22	-63.96	62.46	6.81	94.58

4	50	39	2.95	-1.25	2.95	-1.25	-7.86e-02	-70.24	-159.50	-135.39	-94.35	39.64
4	50	40	-1.45	-12.23	-12.23	-1.45	-1.94e-03	-33.36	-181.14	-65.70	-148.80	-61.10
4	50	75	3.61	0.54	3.56	0.58	-0.37	86.01	-155.68	-76.44	6.77	113.46
4	50	84	-0.29	-11.65	-10.18	-1.76	-3.81	467.51	-45.04	336.49	85.98	223.58
4	50	85	-0.29	-1.07	-0.58	-0.78	-0.38	81.44	-7.78	65.99	7.67	33.76
4	50	86	1.27	-3.41	-1.55	-0.59	-2.29	188.64	-146.32	21.28	21.04	167.48
4	50	92	-1.49	-18.48	-15.04	-4.93	6.82	-113.57	-534.22	-465.93	-181.86	155.13
4	50	93	1.22	-0.42	0.57	0.23	0.80	126.50	-145.07	111.30	-129.87	62.42
4	50	141	-0.55	-1.46	-0.55	-1.46	-6.66e-02	-51.12	-145.46	-52.73	-143.85	-12.22
4	50	142	0.92	-0.80	2.73e-02	9.10e-02	0.86	31.88	-75.68	-38.66	-5.14	-51.10
4	50	144	3.15	0.94	3.12	0.97	-0.28	-110.16	-188.51	-188.43	-110.23	-2.42
4	50	161	0.98	-1.06	-0.30	0.22	-0.98	87.52	-80.69	-4.18	11.00	83.76
4	51	39	1.86	-3.87	-3.87	1.85	0.18	103.31	-107.46	-104.37	100.22	25.33
4	51	40	19.06	2.04	19.05	2.05	-0.41	343.92	-552.20	-551.86	343.57	17.52
4	51	75	-0.72	-4.35	-4.31	-0.76	0.38	136.01	-132.22	-76.13	79.93	-109.08
4	51	84	17.84	2.26	16.74	3.36	3.99	152.06	-752.37	-646.04	45.72	-291.31
4	51	85	1.34	0.96	1.17	1.13	0.19	206.80	-491.63	-489.51	204.69	38.36
4	51	86	4.42	-1.00	2.91	0.51	2.43	118.70	-487.49	-451.37	82.58	-143.50
4	51	92	25.58	3.37	22.49	6.46	-7.69	177.72	-556.04	-535.58	157.26	120.79
4	51	93	0.71	-2.06	-0.85	-0.50	-1.37	147.28	-610.71	-577.81	114.38	154.45
4	51	141	1.85	0.67	0.68	1.83	0.13	52.27	-13.38	-13.36	52.25	-0.98
4	51	142	0.84	-0.99	-8.18e-03	-0.14	-0.91	41.35	-42.81	-34.71	33.24	-24.83
4	51	144	-1.30	-4.59	-4.54	-1.35	0.37	105.43	-240.38	-146.72	11.77	153.68
4	51	161	1.24	-1.20	0.38	-0.34	1.17	30.78	-68.69	-15.98	-21.94	49.65
4	52	39	0.82	-1.66	-1.65	0.82	0.12	-5.19	-201.20	-190.45	-15.95	-44.64
4	52	40	9.71	0.56	9.71	0.56	-2.81e-02	-18.66	-338.95	-311.49	-46.12	89.67
4	52	75	-0.54	-2.04	-2.01	-0.56	0.20	-44.41	-355.62	-339.09	-60.95	-69.80
4	52	84	7.60	0.66	7.25	1.01	1.51	43.98	-796.61	-778.77	26.13	-121.16
4	52	85	0.69	0.27	0.65	0.30	0.11	20.95	-230.22	-226.96	17.69	-28.44
4	52	86	1.83	-0.63	1.43	-0.23	0.91	148.19	-285.20	-174.05	37.05	-189.25
4	52	92	14.13	2.08	12.80	3.41	-3.77	484.55	72.75	217.93	339.38	-196.74
4	52	93	0.47	-1.01	-0.20	-0.34	-0.74	82.03	-275.54	-272.35	78.84	-33.61
4	52	141	0.51	0.13	0.19	0.45	0.14	-33.15	-149.19	-48.02	-134.32	38.78
4	52	142	0.16	-0.58	-0.23	-0.19	-0.37	181.49	-79.63	37.63	64.24	-129.88
4	52	144	-0.47	-1.79	-1.78	-0.47	7.61e-02	77.47	-56.02	-28.28	49.73	-54.16
4	52	161	0.54	-0.53	0.18	-0.17	0.51	1.95	-95.61	-77.15	-16.51	38.21
4	53	39	0.56	-0.14	0.55	-0.13	-6.17e-02	107.91	-127.54	-49.80	30.17	110.73
4	53	40	0.20	-2.17	-2.09	0.13	-0.42	272.54	-329.23	-299.29	242.60	-130.84
4	53	75	1.09	0.29	1.04	0.34	-0.19	238.54	90.80	183.03	146.31	71.55
4	53	84	1.57	-0.84	-4.11e-04	0.73	-1.15	515.38	101.36	510.73	106.00	43.60
4	53	85	0.35	-0.28	-2.83e-02	9.42e-02	-0.31	181.77	-232.40	-205.63	155.01	101.82
4	53	86	1.07	-0.40	1.19e-02	0.66	-0.66	153.34	-355.27	-266.41	64.49	193.13
4	53	92	-0.12	-5.88	-4.39	-1.60	2.52	-157.43	-1442.58	-1229.79	-370.22	477.69
4	53	93	0.12	-0.16	-0.12	7.42e-02	0.10	106.02	-403.05	-203.98	-93.05	248.42
4	53	141	7.66e-02	-8.54e-02	-2.01e-02	1.13e-02	-7.95e-02	74.27	-46.36	-17.97	45.88	-51.18
4	53	142	0.45	-7.41e-02	0.25	0.13	0.26	-10.67	-138.26	-109.89	-39.04	53.06
4	53	144	0.16	4.01e-02	0.15	4.84e-02	3.07e-02	-12.98	-445.07	-305.37	-152.68	202.10
4	53	161	0.25	-0.31	-9.39e-02	3.00e-02	-0.27	129.04	-67.17	55.79	6.09	94.91
4	54	39	2.77	-1.17	2.77	-1.17	-0.12	-63.15	-158.72	-135.88	-86.00	40.76
4	54	40	-1.36	-11.44	-11.44	-1.36	-3.47e-02	-29.60	-176.41	-58.92	-147.09	-58.69
4	54	75	3.39	0.48	3.34	0.53	-0.37	81.52	-156.01	-79.93	5.43	110.83
4	54	84	-0.20	-10.91	-9.49	-1.62	-3.62	490.96	-26.54	378.00	86.41	213.76
4	54	85	-0.24	-1.03	-0.55	-0.73	-0.38	69.06	-44.13	56.92	-31.99	35.02
4	54	86	1.52	-3.07	-1.46	-8.27e-02	-2.19	162.35	-132.50	10.90	18.95	147.37
4	54	92	-1.39	-17.34	-14.08	-4.66	6.43	-116.76	-547.63	-476.28	-188.11	160.16
4	54	93	1.14	-0.36	0.54	0.24	0.74	116.35	-143.47	101.48	-128.60	60.36
4	54	141	-0.51	-1.37	-0.52	-1.37	-6.55e-02	-51.16	-142.15	-52.62	-140.70	-11.41
4	54	142	0.85	-0.75	2.83e-02	7.93e-02	0.80	31.24	-76.85	-37.56	-8.05	-51.99
4	54	144	2.95	0.89	2.92	0.92	-0.26	-114.27	-187.38	-186.93	-114.72	-5.74
4	54	161	0.92	-1.01	-0.29	0.21	-0.93	86.96	-80.83	-5.39	11.51	83.47
4	55	39	1.89	-3.97	-3.97	1.89	0.19	113.52	-101.71	-99.26	111.08	22.82
4	55	40	19.35	2.08	19.34	2.09	-0.41	354.24	-557.95	-557.78	354.06	12.79
4	55	75	-0.73	-4.48	-4.44	-0.77	0.38	142.91	-129.16	-65.83	79.58	-114.97

4	55	84	18.15	2.25	17.01	3.38	4.09	163.73	-756.70	-637.28	44.30	-309.29
4	55	85	1.38	0.95	1.17	1.15	0.21	212.48	-504.32	-502.63	210.79	34.74
4	55	86	4.50	-1.07	2.92	0.51	2.51	133.59	-512.59	-461.27	82.26	-174.73
4	55	92	25.96	3.46	22.81	6.60	-7.80	187.15	-554.83	-536.93	169.25	113.84
4	55	93	0.70	-2.07	-0.87	-0.50	-1.37	153.70	-626.93	-595.10	121.87	154.38
4	55	141	1.90	0.69	0.70	1.89	0.13	56.42	-12.25	-12.14	56.31	-2.71
4	55	142	0.88	-1.01	2.90e-03	-0.13	-0.95	35.32	-43.21	-37.07	29.18	-21.08
4	55	144	-1.33	-4.68	-4.64	-1.38	0.38	107.85	-243.89	-147.99	11.96	156.63
4	55	161	1.26	-1.22	0.38	-0.35	1.19	32.22	-66.79	-13.25	-21.32	49.34
4	56	39	0.79	-1.55	-1.55	0.78	0.11	-16.87	-205.49	-195.56	-26.80	-42.13
4	56	40	9.42	0.52	9.42	0.52	-2.18e-02	-24.86	-337.32	-305.58	-56.60	94.39
4	56	75	-0.53	-1.90	-1.88	-0.55	0.19	-47.09	-362.89	-349.38	-60.60	-63.91
4	56	84	7.30	0.67	6.99	0.98	1.41	40.42	-800.39	-787.53	27.56	-103.19
4	56	85	0.67	0.26	0.66	0.28	8.78e-02	14.28	-216.54	-213.84	11.59	-24.81
4	56	86	1.77	-0.58	1.42	-0.23	0.83	124.01	-250.80	-164.16	37.36	-158.01
4	56	92	13.75	2.00	12.47	3.27	-3.66	470.67	76.00	219.28	327.39	-189.79
4	56	93	0.48	-1.00	-0.18	-0.34	-0.74	74.76	-258.48	-255.07	71.35	-33.53
4	56	141	0.46	0.10	0.17	0.40	0.14	-33.58	-154.04	-49.24	-138.38	40.51
4	56	142	0.12	-0.55	-0.24	-0.19	-0.33	188.53	-80.24	40.00	68.30	-133.64
4	56	144	-0.44	-1.69	-1.69	-0.44	6.27e-02	80.02	-57.48	-27.00	49.54	-57.12
4	56	161	0.52	-0.51	0.18	-0.16	0.49	1.18	-98.18	-79.88	-17.12	38.51
4	57	39	0.46	-0.11	0.45	-0.10	-5.68e-02	114.56	-118.23	-44.69	41.03	108.22
4	57	40	0.25	-1.89	-1.80	0.17	-0.42	284.26	-336.38	-305.21	253.08	-135.57
4	57	75	0.96	0.27	0.91	0.33	-0.18	239.44	99.85	193.32	145.97	65.66
4	57	84	1.58	-0.56	0.27	0.76	-1.04	521.07	103.00	519.50	104.58	25.63
4	57	85	0.34	-0.25	-2.92e-02	0.12	-0.28	185.00	-242.63	-218.75	161.11	98.20
4	57	86	1.01	-0.32	2.25e-02	0.66	-0.58	128.85	-341.00	-276.31	64.17	161.89
4	57	92	-3.19e-02	-5.50	-4.07	-1.47	2.41	-152.75	-1436.63	-1231.14	-358.24	470.74
4	57	93	0.12	-0.18	-0.14	7.54e-02	0.10	104.03	-410.86	-221.27	-85.56	248.34
4	57	141	0.12	-5.11e-02	-6.91e-04	6.51e-02	-7.65e-02	79.13	-45.94	-16.75	49.94	-52.91
4	57	142	0.43	-3.57e-02	0.26	0.13	0.22	-11.18	-144.19	-112.26	-43.10	56.81
4	57	144	8.90e-02	-9.78e-03	6.20e-02	1.73e-02	4.41e-02	-10.50	-448.63	-306.64	-152.49	205.06
4	57	161	0.23	-0.29	-8.86e-02	2.37e-02	-0.25	130.69	-65.48	58.51	6.70	94.60
4	58	39	2.87	-1.21	2.87	-1.20	-0.13	-70.34	-167.50	-140.99	-96.85	43.27
4	58	40	-1.39	-11.72	-11.72	-1.39	-2.84e-02	-30.15	-180.43	-53.01	-157.58	-53.97
4	58	75	3.52	0.49	3.48	0.54	-0.37	83.98	-168.43	-90.23	5.78	116.72
4	58	84	-0.19	-11.21	-9.76	-1.64	-3.73	499.64	-42.57	369.24	87.84	231.73
4	58	85	-0.23	-1.07	-0.55	-0.76	-0.41	82.43	-50.49	70.04	-38.09	38.65
4	58	86	1.59	-3.15	-1.48	-8.56e-02	-2.27	198.64	-158.58	20.80	19.27	178.61
4	58	92	-1.48	-17.72	-14.40	-4.79	6.55	-121.16	-553.87	-474.93	-200.10	167.11
4	58	93	1.15	-0.36	0.56	0.23	0.74	132.37	-149.69	118.76	-136.08	60.43
4	58	141	-0.53	-1.43	-0.54	-1.42	-6.85e-02	-52.82	-145.78	-53.84	-144.76	-9.68
4	58	142	0.88	-0.79	1.72e-02	7.64e-02	0.83	38.30	-77.48	-35.19	-3.99	-55.75
4	58	144	3.05	0.92	3.01	0.95	-0.28	-113.86	-186.71	-185.65	-114.91	-8.69
4	58	161	0.94	-1.03	-0.30	0.21	-0.95	85.70	-82.93	-8.12	10.90	83.78
4	59	39	2.38	-4.93	-4.93	2.38	0.15	281.48	-57.53	13.47	210.48	137.94
4	59	40	22.74	3.09	22.70	3.12	-0.86	769.23	-749.07	-740.08	760.24	-116.44
4	59	75	-0.58	-5.19	-5.15	-0.61	0.39	386.30	198.13	317.21	267.22	-90.70
4	59	84	23.51	3.79	22.08	5.21	5.11	386.31	-372.57	-76.50	90.24	-370.16
4	59	85	1.76	1.34	1.37	1.73	9.55e-02	409.47	-712.99	-695.25	391.73	139.98
4	59	86	5.91	-0.69	3.64	1.57	3.13	129.99	-711.46	-710.31	128.84	31.05
4	59	92	28.22	3.58	24.56	7.24	-8.76	-12.24	-1893.40	-1660.34	-245.30	619.75
4	59	93	0.75	-2.60	-1.36	-0.48	-1.62	239.85	-959.57	-801.10	81.39	406.15
4	59	141	2.82	1.02	1.02	2.82	3.69e-02	283.37	9.17	25.12	267.42	-64.18
4	59	142	1.33	-0.98	0.33	1.14e-02	-1.14	50.50	-222.75	-144.37	-27.88	123.59
4	59	144	-1.80	-6.24	-6.15	-1.88	0.60	213.99	-645.07	-339.60	-91.48	411.23
4	59	161	1.51	-1.49	0.44	-0.42	1.44	123.20	-62.36	79.33	-18.49	78.84
4	60	39	2.46	-1.07	2.46	-1.07	-5.34e-02	-118.24	-331.95	-273.45	-176.74	-95.29
4	60	40	-1.80	-8.46	-8.44	-1.83	0.41	85.79	-563.38	61.15	-538.74	124.06
4	60	75	2.54	1.04e-02	2.52	2.82e-02	-0.21	-197.89	-563.77	-559.29	-202.37	40.22
4	60	84	-1.40	-10.77	-9.55	-2.62	-3.15	88.81	-582.80	-518.92	24.93	197.02
4	60	85	-0.32	-1.05	-0.36	-1.01	-0.16	195.92	-247.58	179.92	-231.58	-82.70
4	60	86	0.87	-3.04	-1.28	-0.89	-1.95	265.27	-74.15	214.07	-22.94	-

121.48												
4	60	92	-0.42	-10.23	-7.71	-2.93	4.28	1108.91	104.19	851.35	361.76	-
438.68												
4	60	93	1.07	-0.19	0.82	5.50e-02	0.50	344.70	-164.70	217.10	-37.10	-
220.72												
4	60	141	-0.63	-1.79	-0.63	-1.79	8.36e-02	-73.74	-371.15	-90.38	-354.50	68.36
4	60	142	0.40	-0.95	-0.40	-0.16	0.67	312.91	-140.72	96.75	75.44	-
226.57												
4	60	144	3.12	0.96	3.05	1.03	-0.39	326.89	-236.62	55.22	35.05	-
281.57												
4	60	161	0.75	-0.80	-0.21	0.16	-0.76	11.75	-136.75	-124.59	-0.40	40.70
4	61	39	1.76	-3.56	-3.55	1.75	0.11	291.71	-67.54	33.20	190.96	161.38
4	61	40	16.11	2.46	16.05	2.52	-0.85	754.36	-691.07	-671.93	735.22	-
165.23												
4	61	75	-0.24	-3.51	-3.49	-0.26	0.22	414.88	276.09	403.23	287.73	-38.47
4	61	84	17.73	3.43	16.81	4.36	3.52	462.87	-104.78	250.89	107.20	-
274.58												
4	61	85	1.41	0.98	0.99	1.41	-3.56e-02	427.70	-635.93	-612.51	404.28	156.08
4	61	86	4.32	-0.28	2.72	1.32	2.19	144.15	-674.21	-654.54	124.47	125.35
4	61	92	18.37	2.49	16.12	4.74	-5.54	-99.05	-2156.76	-1863.21	-392.60	719.63
4	61	93	0.48	-1.93	-1.13	-0.32	-1.14	228.61	-899.16	-693.43	22.88	435.53
4	61	141	2.25	0.80	0.80	2.25	-2.35e-02	290.56	-0.10	24.40	266.06	-80.76
4	61	142	1.05	-0.54	0.42	9.97e-02	-0.78	51.46	-270.72	-169.01	-50.25	149.74
4	61	144	-1.38	-4.75	-4.68	-1.46	0.50	184.02	-710.89	-388.86	-138.00	429.52
4	61	161	1.03	-1.03	0.30	-0.30	0.99	154.98	-61.78	103.23	-10.02	92.41
4	62	39	3.83	-1.70	3.83	-1.70	-9.62e-02	-147.61	-302.37	-253.72	-196.25	-71.85
4	62	40	-2.42	-15.10	-15.09	-2.43	0.42	137.38	-571.84	129.30	-563.76	75.27
4	62	75	4.22	0.35	4.18	0.38	-0.38	-155.00	-500.13	-473.27	-181.86	92.45
4	62	84	-1.75	-16.55	-14.83	-3.47	-4.74	240.21	-389.85	-191.54	41.90	292.61
4	62	85	-0.62	-1.46	-0.74	-1.34	-0.29	271.69	-228.07	262.66	-219.03	-66.59
4	62	86	1.26	-4.61	-2.20	-1.14	-2.89	272.31	-29.77	269.84	-27.31	-27.17
4	62	92	-1.57	-20.02	-16.15	-5.44	7.51	833.82	29.12	648.48	214.45	-
338.80												
4	62	93	1.70	-0.43	1.05	0.22	0.98	398.82	-169.65	324.77	-95.60	-
191.34												
4	62	141	-0.85	-2.35	-0.85	-2.35	2.32e-02	-81.33	-365.64	-91.10	-355.87	51.78
4	62	142	0.85	-1.23	-0.31	-6.79e-02	1.03	263.23	-138.05	72.11	53.07	-
200.41												
4	62	144	4.60	1.39	4.53	1.46	-0.49	260.67	-266.19	5.95	-11.47	-
263.28												
4	62	161	1.21	-1.29	-0.36	0.28	-1.21	30.52	-123.15	-100.70	8.07	54.27
4	63	39	2.37	-4.91	-4.90	2.36	0.17	281.53	-55.15	15.15	211.23	136.85
4	63	40	22.59	3.07	22.55	3.11	-0.85	772.15	-753.17	-743.89	762.88	-
118.58												
4	63	75	-0.56	-5.16	-5.13	-0.60	0.39	389.99	198.88	321.35	267.52	-91.68
4	63	84	23.38	3.76	21.96	5.18	5.08	384.54	-381.18	-86.32	89.68	-
372.61												
4	63	85	1.75	1.33	1.36	1.73	0.10	422.60	-713.61	-696.46	405.46	138.51
4	63	86	5.83	-0.79	3.62	1.42	3.13	130.28	-711.08	-710.17	129.37	27.71
4	63	92	28.00	3.58	24.37	7.20	-8.68	-9.48	-1887.99	-1657.64	-239.83	616.16
4	63	93	0.73	-2.58	-1.36	-0.49	-1.60	241.58	-961.67	-803.34	83.25	406.75
4	63	141	2.81	1.01	1.01	2.81	3.75e-02	284.01	9.14	25.45	267.70	-64.94
4	63	142	1.32	-0.97	0.34	1.57e-02	-1.14	51.22	-224.85	-145.41	-28.22	124.98
4	63	144	-1.80	-6.20	-6.12	-1.88	0.60	216.40	-646.91	-340.44	-90.07	413.11
4	63	161	1.51	-1.48	0.44	-0.42	1.43	124.11	-62.05	80.51	-18.46	78.83
4	64	39	2.48	-1.09	2.48	-1.09	-3.84e-02	-116.26	-331.50	-271.77	-175.99	-96.38
4	64	40	-1.82	-8.62	-8.59	-1.84	0.41	81.41	-560.18	57.34	-536.11	121.91
4	64	75	2.57	2.43e-02	2.55	4.20e-02	-0.21	-197.76	-559.47	-555.16	-202.07	39.25
4	64	84	-1.43	-10.90	-9.68	-2.65	-3.18	85.97	-590.34	-528.75	24.38	194.58
4	64	85	-0.34	-1.05	-0.37	-1.02	-0.15	195.83	-234.98	178.71	-217.85	-84.16
4	64	86	0.79	-3.13	-1.31	-1.04	-1.95	267.88	-76.08	214.21	-22.41	-
124.82												
4	64	92	-0.42	-10.45	-7.90	-2.97	4.37	1115.47	105.80	854.04	367.23	-
442.28												
4	64	93	1.08	-0.21	0.82	5.30e-02	0.52	342.98	-163.35	214.86	-35.23	-
220.13												
4	64	141	-0.63	-1.80	-0.64	-1.80	8.42e-02	-73.76	-370.52	-90.05	-354.23	67.60
4	64	142	0.41	-0.96	-0.39	-0.15	0.67	310.81	-140.01	95.70	75.10	-
225.18												
4	64	144	3.16	0.97	3.08	1.04	-0.39	325.26	-234.42	54.38	36.46	-
279.69												
4	64	161	0.76	-0.81	-0.21	0.17	-0.76	11.88	-135.66	-123.41	-0.37	40.70

4	65	39	1.77	-3.58	-3.58	1.77	9.56e-02	291.68	-69.94	31.52	190.21	162.47
4	65	40	16.26	2.48	16.21	2.53	-0.86	751.32	-686.86	-668.12	732.59	-
163.09												
4	65	75	-0.26	-3.53	-3.52	-0.27	0.22	410.52	276.01	399.10	287.44	-37.50
4	65	84	17.86	3.46	16.93	4.39	3.54	466.91	-98.44	260.71	107.76	-
272.13												
4	65	85	1.42	0.99	1.00	1.42	-4.46e-02	414.74	-635.49	-611.30	390.55	157.55
4	65	86	4.40	-0.18	2.75	1.47	2.20	144.66	-675.40	-654.68	123.94	128.69
4	65	92	18.60	2.50	16.31	4.78	-5.62	-101.60	-2162.38	-1865.91	-398.07	723.23
4	65	93	0.50	-1.95	-1.14	-0.31	-1.15	227.03	-897.21	-691.19	21.02	434.93
4	65	141	2.26	0.80	0.80	2.26	-2.41e-02	289.86	-6.58e-03	24.07	265.79	-80.00
4	65	142	1.06	-0.55	0.41	9.54e-02	-0.79	50.73	-268.60	-167.97	-49.91	148.35
4	65	144	-1.39	-4.79	-4.71	-1.46	0.49	181.62	-709.06	-388.03	-139.41	427.64
4	65	161	1.04	-1.04	0.30	-0.31	1.00	154.08	-62.09	102.04	-10.05	92.41
4	66	39	3.81	-1.68	3.81	-1.68	-0.11	-149.66	-302.75	-255.40	-197.00	-70.76
4	66	40	-2.40	-14.95	-14.93	-2.42	0.41	141.57	-574.86	133.11	-566.40	77.41
4	66	75	4.19	0.33	4.16	0.37	-0.38	-155.07	-504.49	-477.41	-182.16	93.43
4	66	84	-1.72	-16.42	-14.70	-3.44	-4.72	246.00	-385.26	-181.72	42.46	295.06
4	66	85	-0.61	-1.45	-0.73	-1.33	-0.30	272.27	-241.16	263.87	-232.76	-65.13
4	66	86	1.36	-4.53	-2.17	-0.99	-2.88	271.60	-29.74	269.70	-27.84	-23.83
4	66	92	-1.56	-19.80	-15.96	-5.39	7.43	827.46	27.30	645.78	208.98	-
335.21												
4	66	93	1.68	-0.41	1.04	0.22	0.96	400.93	-171.38	327.01	-97.46	-
191.94												
4	66	141	-0.85	-2.34	-0.85	-2.34	2.26e-02	-81.38	-366.19	-91.43	-356.14	52.54
4	66	142	0.84	-1.23	-0.32	-7.23e-02	1.02	265.33	-138.77	73.15	53.41	-
201.81												
4	66	144	4.57	1.38	4.49	1.46	-0.49	262.30	-268.39	6.79	-12.88	-
265.16												
4	66	161	1.20	-1.28	-0.36	0.28	-1.20	30.32	-124.17	-101.88	8.04	54.28
4	67	39	2.49	-5.27	-5.27	2.49	0.17	307.31	-30.14	30.51	246.67	129.57
4	67	40	23.71	3.21	23.67	3.25	-0.88	806.35	-770.96	-759.80	795.19	-
132.20												
4	67	75	-0.61	-5.63	-5.59	-0.65	0.41	427.15	190.47	351.54	266.08	-
110.35												
4	67	84	24.52	3.75	22.97	5.30	5.45	454.27	-416.06	-47.28	85.49	-
430.07												
4	67	85	1.89	1.30	1.36	1.82	0.18	426.12	-753.01	-738.97	412.08	127.89
4	67	86	6.19	-0.93	3.68	1.58	3.40	133.87	-749.40	-743.31	127.78	-73.08
4	67	92	29.49	3.86	25.66	7.70	-9.14	7.48	-1877.67	-1664.85	-205.34	596.58
4	67	93	0.73	-2.64	-1.43	-0.48	-1.62	254.36	-1006.74	-858.72	106.34	405.90
4	67	141	3.00	1.08	1.08	3.00	4.69e-02	299.08	11.06	29.19	280.96	-69.95
4	67	142	1.46	-1.07	0.37	2.10e-02	-1.26	50.13	-243.79	-152.26	-41.41	136.11
4	67	144	-1.90	-6.55	-6.46	-1.99	0.64	222.32	-657.01	-343.84	-90.84	421.07
4	67	161	1.58	-1.56	0.46	-0.44	1.51	129.82	-57.83	88.42	-16.44	77.81
4	68	39	2.79	-1.18	2.79	-1.18	-6.99e-02	-156.53	-346.88	-290.49	-212.92	-86.91
4	68	40	-1.93	-9.43	-9.40	-1.95	0.43	109.48	-602.30	80.86	-573.69	139.81
4	68	75	2.98	4.50e-02	2.97	6.30e-02	-0.23	-192.29	-602.55	-593.62	-201.22	59.87
4	68	84	-1.36	-11.79	-10.45	-2.70	-3.49	127.40	-645.86	-548.14	29.68	256.93
4	68	85	-0.29	-1.17	-0.36	-1.10	-0.24	233.91	-262.20	223.64	-251.94	-70.61
4	68	86	1.11	-3.33	-1.32	-0.90	-2.21	248.18	-23.00	247.07	-21.88	-17.35
4	68	92	-0.70	-11.49	-8.80	-3.39	4.66	1082.73	94.91	855.85	321.80	-
415.51												
4	68	93	1.12	-0.18	0.88	5.13e-02	0.50	383.75	-171.09	274.72	-62.05	-
220.48												
4	68	141	-0.70	-1.97	-0.70	-1.97	7.36e-02	-75.65	-386.83	-94.45	-368.04	74.13
4	68	142	0.49	-1.09	-0.43	-0.17	0.78	336.02	-142.41	104.64	88.97	-
239.09												
4	68	144	3.44	1.06	3.36	1.14	-0.43	338.63	-244.75	59.46	34.41	-
291.42												
4	68	161	0.83	-0.87	-0.23	0.18	-0.83	9.70	-145.83	-133.68	-2.45	41.73
4	69	39	1.87	-3.89	-3.89	1.86	0.13	315.43	-38.04	50.24	227.15	153.01
4	69	40	17.07	2.59	17.02	2.64	-0.87	792.24	-713.72	-691.65	770.17	-
180.99												
4	69	75	-0.28	-3.95	-3.93	-0.29	0.24	457.34	266.80	437.56	286.58	-58.12
4	69	84	18.74	3.40	17.70	4.44	3.86	537.36	-154.80	280.10	102.46	-
334.49												
4	69	85	1.50	0.98	0.98	1.50	4.90e-02	443.49	-675.09	-656.24	424.64	143.99
4	69	86	4.60	-0.52	2.76	1.33	2.46	123.97	-688.09	-687.53	123.42	21.22
4	69	92	19.64	2.77	17.21	5.19	-5.92	-81.14	-2139.21	-1867.71	-352.64	696.46
4	69	93	0.46	-1.98	-1.20	-0.31	-1.14	239.18	-942.39	-751.05	47.84	435.28
4	69	141	2.43	0.86	0.86	2.43	-1.35e-02	306.52	1.54	28.47	279.59	-86.53

4	69	142	1.19	-0.63	0.45	0.11	-0.89	51.49	-292.18	-176.90	-63.78	162.26
4	69	144	-1.48	-5.07	-4.99	-1.56	0.54	192.36	-722.83	-393.11	-137.37	439.36
4	69	161	1.10	-1.11	0.32	-0.32	1.06	161.57	-57.22	112.32	-7.97	91.38
4	70	39	4.17	-1.81	4.17	-1.81	-0.11	-185.29	-317.91	-270.76	-232.44	-63.48
4	70	40	-2.55	-16.07	-16.05	-2.56	0.44	159.94	-609.63	149.02	-598.71	91.02
4	70	75	4.66	0.38	4.62	0.42	-0.40	-145.96	-542.35	-507.60	-180.71	112.10
4	70	84	-1.71	-17.57	-15.72	-3.56	-5.09	289.97	-464.08	-220.76	46.64	352.52
4	70	85	-0.57	-1.59	-0.74	-1.43	-0.37	311.77	-244.78	306.38	-239.39	-54.51
4	70	86	1.51	-4.89	-2.23	-1.15	-3.15	319.95	-43.36	302.84	-26.25	76.96
4	70	92	-1.85	-21.29	-17.25	-5.89	7.89	809.80	17.68	652.98	174.49	-315.63
4	70	93	1.75	-0.41	1.12	0.22	0.98	446.75	-184.92	382.39	-120.56	-191.09
4	70	141	-0.92	-2.53	-0.92	-2.53	1.32e-02	-83.58	-380.99	-95.17	-369.40	57.55
4	70	142	0.94	-1.37	-0.35	-7.75e-02	1.14	286.33	-139.74	80.00	66.60	-212.93
4	70	144	4.92	1.48	4.84	1.57	-0.53	272.40	-274.31	10.20	-12.11	-273.13
4	70	161	1.28	-1.36	-0.38	0.30	-1.27	28.18	-131.96	-109.79	6.02	55.30
4	71	39	2.48	-5.25	-5.24	2.48	0.18	307.39	-27.79	32.19	247.42	128.48
4	71	40	23.55	3.20	23.51	3.24	-0.88	809.30	-775.08	-763.61	797.82	-134.34
4	71	75	-0.60	-5.60	-5.57	-0.63	0.41	430.98	191.08	355.68	266.37	-111.33
4	71	84	24.39	3.72	22.85	5.26	5.43	452.23	-424.39	-57.10	84.94	-432.52
4	71	85	1.88	1.29	1.35	1.82	0.19	439.36	-753.74	-740.19	425.81	126.42
4	71	86	6.11	-1.03	3.65	1.43	3.39	134.96	-749.81	-743.16	128.31	-76.42
4	71	92	29.27	3.86	25.47	7.65	-9.06	10.37	-1872.39	-1662.15	-199.87	592.98
4	71	93	0.71	-2.62	-1.43	-0.48	-1.60	256.13	-1008.88	-860.96	108.21	406.50
4	71	141	2.99	1.08	1.08	2.98	4.74e-02	299.73	11.02	29.52	281.23	-70.71
4	71	142	1.46	-1.06	0.37	2.54e-02	-1.25	50.86	-245.91	-153.30	-41.75	137.50
4	71	144	-1.89	-6.52	-6.43	-1.98	0.64	224.73	-658.85	-344.68	-89.44	422.95
4	71	161	1.58	-1.55	0.46	-0.44	1.50	130.74	-57.55	89.60	-16.41	77.80
4	72	39	2.82	-1.20	2.82	-1.20	-5.48e-02	-154.51	-346.48	-288.81	-212.17	-88.01
4	72	40	-1.94	-9.58	-9.56	-1.97	0.43	105.09	-599.08	77.05	-571.05	137.67
4	72	75	3.01	5.88e-02	2.99	7.68e-02	-0.23	-192.20	-598.22	-589.49	-200.92	58.89
4	72	84	-1.39	-11.92	-10.57	-2.73	-3.52	124.07	-652.92	-557.96	29.12	254.49
4	72	85	-0.30	-1.18	-0.37	-1.11	-0.23	233.45	-249.23	222.43	-238.21	-72.08
4	72	86	1.03	-3.42	-1.34	-1.05	-2.22	248.79	-22.94	247.21	-21.35	-20.69
4	72	92	-0.71	-11.71	-9.00	-3.43	4.75	1089.11	96.71	858.55	327.27	-419.10
4	72	93	1.14	-0.20	0.89	4.93e-02	0.52	381.85	-169.56	272.48	-60.19	-219.88
4	72	141	-0.70	-1.98	-0.70	-1.98	7.42e-02	-75.69	-386.19	-94.12	-367.76	73.37
4	72	142	0.50	-1.09	-0.43	-0.16	0.79	333.92	-141.70	103.60	88.63	-237.69
4	72	144	3.47	1.06	3.39	1.14	-0.43	336.99	-242.54	58.63	35.82	-289.54
4	72	161	0.84	-0.88	-0.23	0.19	-0.83	9.81	-144.74	-132.50	-2.42	41.73
4	73	39	1.88	-3.92	-3.92	1.88	0.11	315.39	-40.43	48.56	226.40	154.10
4	73	40	17.22	2.61	17.17	2.66	-0.88	789.19	-709.49	-687.84	767.53	-178.85
4	73	75	-0.29	-3.98	-3.96	-0.30	0.24	453.01	266.70	433.43	286.29	-57.14
4	73	84	18.87	3.43	17.83	4.47	3.88	541.42	-148.47	289.93	103.02	-332.04
4	73	85	1.51	0.99	0.99	1.51	4.00e-02	430.40	-674.52	-655.02	410.91	145.46
4	73	86	4.68	-0.42	2.78	1.48	2.46	123.63	-688.42	-687.68	122.88	24.56
4	73	92	19.86	2.78	17.40	5.23	-6.00	-83.81	-2144.72	-1870.41	-358.11	700.05
4	73	93	0.48	-2.00	-1.20	-0.31	-1.16	237.54	-940.38	-748.81	45.98	434.69
4	73	141	2.44	0.87	0.87	2.44	-1.41e-02	305.81	1.65	28.14	279.32	-85.76
4	73	142	1.19	-0.64	0.45	0.11	-0.90	50.76	-290.05	-175.86	-63.44	160.87
4	73	144	-1.48	-5.10	-5.02	-1.56	0.54	189.95	-721.00	-392.27	-138.77	437.48
4	73	161	1.11	-1.12	0.32	-0.33	1.07	160.65	-57.52	111.13	-8.00	91.38
4	74	39	4.15	-1.80	4.14	-1.79	-0.13	-187.41	-318.21	-272.44	-233.19	-62.39
4	74	40	-2.53	-15.91	-15.90	-2.54	0.43	164.16	-612.68	152.82	-601.34	93.16
4	74	75	4.64	0.37	4.60	0.40	-0.40	-146.04	-546.71	-511.74	-181.01	113.08
4	74	84	-1.68	-17.43	-15.59	-3.52	-5.06	295.84	-459.57	-210.93	47.20	354.96
4	74	85	-0.56	-1.59	-0.73	-1.42	-0.38	312.57	-258.09	307.59	-253.11	-53.04
4	74	86	1.60	-4.81	-2.21	-1.00	-3.15	321.22	-45.31	302.70	-26.78	80.30
4	74	92	-1.84	-21.06	-17.06	-5.85	7.81	803.70	15.61	650.29	169.02	-312.03

4	74	93	1.73	-0.39	1.11	0.22	0.96	448.94	-186.73	384.63	-122.42	-191.69
4	74	141	-0.91	-2.52	-0.91	-2.52	1.27e-02	-83.61	-381.56	-95.50	-369.67	58.31
4	74	142	0.93	-1.36	-0.35	-8.19e-02	1.14	288.43	-140.45	81.04	66.94	-214.33
4	74	144	4.89	1.48	4.80	1.56	-0.53	274.04	-276.53	11.03	-13.52	-275.01
4	74	161	1.27	-1.35	-0.37	0.30	-1.27	28.00	-132.99	-110.97	5.98	55.31
4	75	39	1.63	-3.36	-3.36	1.63	0.11	86.44	-116.36	-111.91	81.99	29.72
4	75	40	16.85	1.79	16.84	1.80	-0.40	294.07	-498.87	-498.50	293.70	17.03
4	75	75	-0.65	-3.75	-3.72	-0.68	0.31	110.93	-126.59	-88.30	72.64	-87.34
4	75	84	15.73	2.11	14.82	3.03	3.40	137.69	-616.97	-530.07	50.79	-240.89
4	75	85	1.14	0.90	1.05	0.99	0.11	149.34	-441.78	-438.75	146.31	42.19
4	75	86	3.96	-0.49	2.60	0.88	2.05	98.86	-434.97	-411.65	75.54	-109.11
4	75	92	22.51	2.96	19.86	5.61	-6.69	138.80	-564.32	-537.73	112.22	134.11
4	75	93	0.67	-1.84	-0.75	-0.43	-1.24	121.16	-545.68	-512.69	88.18	144.60
4	75	141	1.59	0.58	0.59	1.58	0.11	34.76	-17.70	-17.70	34.75	0.29
4	75	142	0.71	-0.86	-1.38e-02	-0.13	-0.78	43.59	-44.83	-31.97	30.73	-31.17
4	75	144	-1.13	-4.02	-3.99	-1.16	0.31	77.41	-228.28	-147.79	-3.08	134.63
4	75	161	1.07	-1.05	0.33	-0.30	1.01	33.78	-71.38	-18.44	-19.16	52.58
4	76	39	0.78	-1.53	-1.53	0.78	6.18e-02	-9.46	-187.59	-183.04	-14.01	-28.10
4	76	40	9.12	0.57	9.12	0.57	-8.40e-02	-8.20	-320.02	-299.87	-28.35	76.65
4	76	75	-0.50	-1.84	-1.82	-0.52	0.16	-32.75	-316.65	-305.61	-43.78	-54.88
4	76	84	7.28	0.79	6.98	1.08	1.36	49.19	-654.40	-639.81	34.60	-100.26
4	76	85	0.63	0.30	0.62	0.31	5.11e-02	-7.43	-222.57	-221.78	-8.22	-13.01
4	76	86	1.79	-0.15	1.37	0.27	0.79	111.39	-255.96	-182.47	37.91	-146.95
4	76	92	13.06	1.89	11.85	3.09	-3.46	329.93	17.77	84.97	262.72	-128.30
4	76	93	0.47	-0.97	-0.20	-0.29	-0.72	59.17	-260.62	-260.26	58.80	-10.82
4	76	141	0.49	0.13	0.18	0.44	0.12	-33.54	-132.23	-46.34	-119.44	33.15
4	76	142	0.15	-0.52	-0.19	-0.17	-0.33	160.92	-76.76	27.81	56.35	-117.99
4	76	144	-0.44	-1.71	-1.70	-0.44	6.96e-02	43.11	-64.72	-49.90	28.30	-37.13
4	76	161	0.49	-0.49	0.16	-0.16	0.46	9.13	-92.80	-69.00	-14.67	43.12
4	77	39	0.43	-9.39e-02	0.43	-9.38e-02	-4.61e-03	88.94	-117.92	-57.21	28.23	94.20
4	77	40	0.20	-1.58	-1.50	0.12	-0.36	249.60	-335.68	-310.91	224.83	-117.83
4	77	75	0.89	0.26	0.85	0.30	-0.16	196.90	81.81	149.55	129.15	56.63
4	77	84	1.47	-0.54	0.27	0.65	-0.99	373.64	95.67	371.77	97.54	22.71
4	77	85	0.30	-0.20	2.79e-03	9.05e-02	-0.25	199.13	-229.02	-210.82	180.92	86.40
4	77	86	0.66	-0.43	6.76e-02	0.16	-0.55	123.28	-317.66	-257.99	63.62	150.82
4	77	92	9.28e-02	-4.82	-3.44	-1.29	2.21	-121.79	-1268.61	-1096.84	-293.57	409.25
4	77	93	7.16e-02	-0.15	-0.11	3.36e-02	8.33e-02	92.15	-381.25	-216.08	-73.02	225.63
4	77	141	6.44e-02	-5.84e-02	-1.43e-02	2.03e-02	-5.90e-02	57.78	-46.44	-19.64	30.99	-45.55
4	77	142	0.39	-6.11e-02	0.22	0.11	0.22	-11.94	-119.30	-100.08	-31.16	41.16
4	77	144	9.41e-02	-6.75e-04	7.61e-02	1.73e-02	3.72e-02	-7.33	-407.66	-283.74	-131.25	185.07
4	77	161	0.21	-0.26	-7.55e-02	2.10e-02	-0.23	118.51	-66.63	47.63	4.25	90.00
4	78	39	2.26	-0.95	2.26	-0.95	-5.59e-02	-50.72	-145.39	-128.34	-67.76	36.37
4	78	40	-1.11	-9.22	-9.22	-1.11	-4.47e-02	-46.06	-163.44	-112.28	-97.22	-58.21
4	78	75	2.79	0.41	2.75	0.45	-0.30	70.24	-125.28	-67.76	12.72	89.09
4	78	84	-5.78e-02	-8.80	-7.57	-1.29	-3.04	358.35	-14.96	262.04	81.35	163.33
4	78	85	-0.19	-0.83	-0.43	-0.59	-0.31	49.07	-16.52	6.16	26.39	31.19
4	78	86	1.04	-2.64	-1.15	-0.45	-1.81	114.84	-117.67	-28.82	25.99	112.98
4	78	92	-0.98	-14.28	-11.45	-3.81	5.44	-87.32	-529.87	-474.13	-143.06	146.84
4	78	93	0.92	-0.32	0.43	0.17	0.61	65.69	-131.72	36.36	-102.39	70.21
4	78	141	-0.42	-1.12	-0.42	-1.12	-4.74e-02	-46.19	-125.29	-48.28	-123.20	-12.68
4	78	142	0.72	-0.62	3.39e-02	7.28e-02	0.67	25.94	-71.77	-40.30	-5.53	-45.65
4	78	144	2.38	0.71	2.36	0.74	-0.21	-97.86	-187.87	-185.86	-99.87	13.31
4	78	161	0.76	-0.84	-0.24	0.17	-0.78	83.66	-77.84	-2.93	8.74	80.54
4	79	39	1.66	-3.45	-3.44	1.66	0.12	94.74	-111.46	-107.68	90.96	27.64
4	79	40	17.09	1.82	17.08	1.83	-0.40	302.58	-503.60	-503.39	302.36	13.12
4	79	75	-0.66	-3.86	-3.83	-0.69	0.32	115.82	-123.26	-79.79	72.35	-92.21
4	79	84	15.98	2.11	15.04	3.05	3.49	147.22	-620.44	-522.84	49.61	-255.74
4	79	85	1.17	0.89	1.05	1.01	0.14	153.90	-452.14	-449.59	151.36	39.19
4	79	86	4.03	-0.55	2.60	0.88	2.12	109.66	-454.21	-419.83	75.28	-134.93
4	79	92	22.82	3.03	20.13	5.73	-6.79	146.17	-562.90	-538.85	122.12	128.36

4	79	93	0.66	-1.85	-0.76	-0.43	-1.24	126.34	-558.95	-526.98	94.37	144.53
4	79	141	1.64	0.59	0.61	1.63	0.11	38.13	-16.72	-16.69	38.11	-1.14
4	79	142	0.75	-0.88	-4.61e-03	-0.13	-0.81	38.28	-44.84	-33.92	27.37	-28.07
4	79	144	-1.15	-4.10	-4.06	-1.19	0.32	79.40	-231.17	-148.84	-2.92	137.07
4	79	161	1.08	-1.06	0.33	-0.31	1.02	34.91	-69.76	-16.19	-18.66	52.32
4	80	39	0.75	-1.45	-1.44	0.75	5.78e-02	-18.96	-191.29	-187.27	-22.98	-26.03
4	80	40	8.88	0.54	8.88	0.54	-7.88e-02	-13.92	-318.08	-294.99	-37.01	80.56
4	80	75	-0.49	-1.73	-1.71	-0.52	0.16	-34.55	-323.07	-314.12	-43.50	-50.01
4	80	84	7.03	0.79	6.76	1.06	1.27	46.29	-657.57	-647.05	35.77	-85.41
4	80	85	0.63	0.28	0.62	0.28	3.02e-02	-12.76	-211.44	-210.94	-13.26	-10.02
4	80	86	1.73	-9.78e-02	1.37	0.26	0.73	93.05	-229.17	-174.29	38.17	-
121.12												
4	80	92	12.74	1.82	11.58	2.98	-3.37	317.68	21.23	86.09	252.82	-
122.56												
4	80	93	0.48	-0.96	-0.19	-0.30	-0.72	53.00	-246.36	-245.97	52.62	-10.76
4	80	141	0.45	0.12	0.16	0.40	0.12	-33.89	-136.25	-47.35	-122.79	34.58
4	80	142	0.12	-0.49	-0.20	-0.17	-0.30	166.74	-77.27	29.77	59.70	-
121.09												
4	80	144	-0.41	-1.63	-1.63	-0.41	5.86e-02	44.85	-65.56	-48.85	28.14	-39.57
4	80	161	0.48	-0.47	0.16	-0.15	0.45	8.43	-94.86	-71.26	-15.18	43.37
4	81	39	0.35	-6.64e-02	0.35	-6.64e-02	-5.37e-04	94.68	-110.45	-52.98	37.21	92.12
4	81	40	0.24	-1.35	-1.26	0.15	-0.36	259.26	-341.57	-315.80	233.49	-
121.74												
4	81	75	0.79	0.24	0.74	0.29	-0.15	197.25	89.68	158.07	128.86	51.76
4	81	84	1.50	-0.32	0.50	0.68	-0.91	379.23	96.15	379.01	96.37	7.85
4	81	85	0.29	-0.17	2.06e-03	0.11	-0.22	202.37	-238.06	-221.66	185.96	83.40
4	81	86	0.60	-0.36	7.64e-02	0.17	-0.48	105.41	-308.22	-266.18	63.36	125.00
4	81	92	0.17	-4.51	-3.17	-1.17	2.11	-117.58	-1264.03	-1097.95	-283.66	403.51
4	81	93	6.95e-02	-0.16	-0.13	3.45e-02	8.30e-02	91.34	-388.53	-230.36	-66.83	225.57
4	81	141	9.79e-02	-3.14e-02	1.76e-03	6.47e-02	-5.65e-02	61.79	-46.08	-18.64	34.35	-46.98
4	81	142	0.37	-2.93e-02	0.22	0.12	0.19	-12.60	-123.94	-102.03	-34.51	44.26
4	81	144	4.39e-02	-5.28e-02	-5.98e-04	-8.39e-03	4.82e-02	-5.29	-410.59	-284.80	-131.09	187.51
4	81	161	0.19	-0.25	-7.12e-02	1.58e-02	-0.21	119.85	-65.21	49.89	4.75	89.74
4	82	39	2.35	-0.98	2.35	-0.98	-6.00e-02	-57.14	-152.17	-132.57	-76.74	38.45
4	82	40	-1.14	-9.46	-9.46	-1.14	-3.96e-02	-52.33	-160.94	-107.39	-105.88	-54.30
4	82	75	2.90	0.42	2.86	0.46	-0.31	72.40	-135.66	-76.27	13.01	93.96
4	82	84	-4.77e-02	-9.05	-7.79	-1.31	-3.12	366.58	-29.25	254.80	82.52	178.19
4	82	85	-0.18	-0.86	-0.43	-0.61	-0.33	53.43	-15.09	17.00	21.34	34.19
4	82	86	1.10	-2.71	-1.16	-0.45	-1.87	143.58	-137.96	-20.64	26.25	138.81
4	82	92	-1.05	-14.59	-11.72	-3.92	5.54	-91.88	-534.10	-473.01	-152.97	152.59
4	82	93	0.93	-0.32	0.45	0.17	0.61	77.22	-135.16	50.64	-108.58	70.27
4	82	141	-0.44	-1.17	-0.44	-1.17	-4.99e-02	-47.68	-128.16	-49.29	-126.55	-11.25
4	82	142	0.75	-0.65	2.47e-02	7.04e-02	0.70	31.74	-72.26	-38.34	-2.18	-48.76
4	82	144	2.46	0.74	2.44	0.77	-0.22	-98.66	-186.17	-184.80	-100.03	10.87
4	82	161	0.78	-0.85	-0.24	0.17	-0.79	82.60	-79.54	-5.18	8.24	80.79
4	83	39	1.60	-3.30	-3.29	1.59	0.15	87.71	-110.94	-107.28	84.05	26.71
4	83	40	16.43	1.74	16.42	1.75	-0.38	301.10	-509.15	-509.00	300.95	11.13
4	83	75	-0.61	-3.68	-3.65	-0.64	0.31	115.58	-119.00	-76.88	73.46	-90.04
4	83	84	15.37	2.04	14.48	2.93	3.33	137.51	-645.40	-557.14	49.25	-
247.60												
4	83	85	1.14	0.85	1.03	0.97	0.14	186.46	-444.41	-442.09	184.15	38.15
4	83	86	3.78	-0.79	2.53	0.46	2.03	104.17	-438.40	-411.25	77.02	-
118.29												
4	83	92	21.88	2.95	19.33	5.50	-6.47	149.96	-552.99	-530.31	127.28	124.20
4	83	93	0.62	-1.78	-0.73	-0.43	-1.19	126.45	-552.01	-518.86	93.31	146.25
4	83	141	1.57	0.57	0.58	1.55	0.11	35.57	-16.86	-16.79	35.51	-1.81
4	83	142	0.70	-0.83	-5.42e-03	-0.12	-0.76	39.77	-44.85	-34.85	29.76	-27.32
4	83	144	-1.11	-3.93	-3.90	-1.15	0.32	84.21	-233.53	-150.10	0.79	139.81
4	83	161	1.04	-1.02	0.32	-0.30	0.98	35.48	-69.73	-15.17	-19.07	52.57
4	84	39	0.74	-1.46	-1.46	0.74	0.10	-6.32	-184.04	-178.41	-11.95	-31.11
4	84	40	8.70	0.53	8.70	0.53	-6.22e-02	-4.72	-326.75	-310.37	-21.10	70.75
4	84	75	-0.47	-1.77	-1.74	-0.49	0.16	-30.40	-306.76	-294.19	-42.97	-57.57
4	84	84	6.91	0.71	6.63	0.99	1.28	49.05	-682.86	-666.87	33.06	-
106.98												
4	84	85	0.61	0.27	0.60	0.29	7.60e-02	30.75	-226.26	-225.12	29.62	-17.06
4	84	86	1.65	-0.48	1.31	-0.15	0.77	120.07	-262.76	-182.08	39.39	-
156.14												
4	84	92	12.43	1.87	11.33	2.98	-3.23	351.51	18.68	92.40	277.79	-
138.21												
4	84	93	0.42	-0.91	-0.19	-0.30	-0.67	64.19	-266.68	-266.43	63.93	-9.17
4	84	141	0.46	0.12	0.17	0.41	0.12	-34.04	-130.08	-45.43	-118.68	31.05
4	84	142	0.14	-0.49	-0.19	-0.16	-0.31	155.31	-74.99	24.93	55.39	-

114.14												
4	84	144	-0.42	-1.62	-1.62	-0.43	7.20e-02	42.90	-62.95	-52.22	32.17	-31.95
4	84	161	0.47	-0.46	0.16	-0.15	0.44	9.97	-90.28	-65.74	-14.57	43.11
4	85	39	0.37	-5.83e-02	0.36	-5.32e-02	-4.62e-02	88.87	-124.53	-61.84	26.17	97.20
4	85	40	0.27	-1.19	-1.08	0.17	-0.38	240.73	-323.56	-300.41	217.58	-
111.93												
4	85	75	0.82	0.22	0.78	0.26	-0.16	192.76	73.71	138.13	128.33	59.32
4	85	84	1.61	-0.23	0.62	0.75	-0.92	401.70	96.22	398.83	99.08	29.42
4	85	85	0.34	-0.20	2.90e-02	0.11	-0.27	165.04	-229.43	-207.48	143.08	90.44
4	85	86	0.93	-0.22	0.13	0.58	-0.53	128.35	-324.59	-258.39	62.15	160.01
4	85	92	0.12	-4.21	-2.92	-1.17	1.98	-128.57	-1284.33	-1104.26	-308.64	419.16
4	85	93	4.43e-02	-0.13	-0.12	3.90e-02	2.98e-02	89.44	-377.50	-209.91	-78.15	223.98
4	85	141	8.92e-02	-4.24e-02	-2.47e-03	4.93e-02	-6.05e-02	55.17	-45.48	-20.55	30.24	-43.45
4	85	142	0.36	-5.38e-02	0.21	0.10	0.20	-13.55	-113.84	-97.20	-30.19	37.31
4	85	144	3.16e-02	-3.97e-02	-1.18e-02	3.67e-03	3.48e-02	-14.08	-402.47	-281.43	-135.12	179.89
4	85	161	0.18	-0.24	-7.04e-02	1.29e-02	-0.21	116.48	-67.96	44.37	4.15	90.00
4	86	39	2.20	-0.91	2.19	-0.91	-9.74e-02	-50.93	-151.87	-132.97	-69.82	39.38
4	86	40	-1.06	-8.80	-8.80	-1.06	-6.66e-02	-50.80	-155.45	-101.78	-104.47	-52.30
4	86	75	2.72	0.38	2.68	0.42	-0.30	68.83	-136.10	-79.18	11.91	91.79
4	86	84	2.50e-02	-8.44	-7.22	-1.19	-2.97	384.86	-12.88	289.10	82.88	170.05
4	86	85	-0.14	-0.83	-0.40	-0.57	-0.33	35.79	-37.74	9.50	-11.45	35.24
4	86	86	1.30	-2.42	-1.09	-3.08e-02	-1.79	122.74	-127.44	-29.22	24.52	122.17
4	86	92	-0.96	-13.65	-10.92	-3.69	5.22	-94.63	-545.05	-481.55	-158.13	156.75
4	86	93	0.86	-0.27	0.42	0.17	0.55	69.14	-134.13	42.53	-107.52	68.56
4	86	141	-0.41	-1.10	-0.41	-1.09	-4.89e-02	-47.72	-125.42	-49.19	-123.95	-10.58
4	86	142	0.69	-0.61	2.55e-02	6.08e-02	0.65	31.16	-73.15	-37.42	-4.57	-49.50
4	86	144	2.30	0.70	2.27	0.73	-0.21	-102.92	-184.36	-183.54	-103.74	8.13
4	86	161	0.74	-0.81	-0.23	0.16	-0.75	82.11	-79.66	-6.19	8.65	80.55
4	87	39	1.62	-3.38	-3.37	1.62	0.16	96.07	-106.10	-103.05	93.02	24.64
4	87	40	16.67	1.78	16.66	1.78	-0.38	309.67	-513.95	-513.89	309.61	7.22
4	87	75	-0.62	-3.79	-3.76	-0.65	0.32	120.79	-115.99	-68.37	73.17	-94.91
4	87	84	15.62	2.03	14.70	2.95	3.42	146.93	-648.75	-549.90	48.08	-
262.46												
4	87	85	1.17	0.85	1.03	0.99	0.16	191.11	-454.85	-452.93	189.19	35.15
4	87	86	3.84	-0.84	2.54	0.46	2.10	115.58	-458.26	-419.43	76.75	-
144.12												
4	87	92	22.20	3.02	19.60	5.61	-6.56	157.56	-551.79	-531.42	137.19	118.46
4	87	93	0.61	-1.79	-0.75	-0.43	-1.19	131.64	-565.29	-533.15	99.50	146.19
4	87	141	1.61	0.58	0.59	1.60	0.11	39.05	-15.98	-15.79	38.86	-3.24
4	87	142	0.74	-0.85	3.74e-03	-0.11	-0.79	34.62	-45.02	-36.80	26.41	-24.22
4	87	144	-1.14	-4.01	-3.98	-1.17	0.33	86.20	-236.41	-151.16	0.95	142.26
4	87	161	1.06	-1.04	0.32	-0.30	1.00	36.65	-68.13	-12.92	-18.56	52.31
4	88	39	0.71	-1.38	-1.38	0.71	9.93e-02	-15.87	-187.69	-182.64	-20.92	-29.04
4	88	40	8.46	0.49	8.46	0.49	-5.70e-02	-10.85	-324.40	-305.49	-29.77	74.66
4	88	75	-0.46	-1.66	-1.64	-0.48	0.16	-32.41	-312.98	-302.70	-42.68	-52.70
4	88	84	6.66	0.71	6.41	0.97	1.20	46.02	-685.89	-674.11	34.24	-92.12
4	88	85	0.61	0.25	0.60	0.26	5.50e-02	25.39	-215.10	-214.28	24.57	-14.06
4	88	86	1.59	-0.44	1.30	-0.15	0.71	101.34	-235.59	-173.90	39.65	-
130.31												
4	88	92	12.12	1.80	11.06	2.87	-3.14	339.28	22.12	93.52	267.89	-
132.46												
4	88	93	0.43	-0.91	-0.17	-0.30	-0.66	58.01	-252.41	-252.14	57.75	-9.11
4	88	141	0.42	9.99e-02	0.15	0.37	0.12	-34.40	-134.08	-46.44	-122.04	32.48
4	88	142	0.11	-0.47	-0.20	-0.16	-0.29	161.13	-75.50	26.89	58.74	-
117.24												
4	88	144	-0.40	-1.54	-1.54	-0.40	6.09e-02	44.38	-63.54	-51.16	32.01	-34.39
4	88	161	0.45	-0.44	0.15	-0.15	0.42	9.26	-92.33	-67.99	-15.08	43.36
4	89	39	0.28	-3.15e-02	0.28	-2.58e-02	-4.21e-02	94.60	-117.06	-57.61	35.15	95.13
4	89	40	0.32	-0.97	-0.84	0.20	-0.39	250.39	-329.44	-305.30	226.24	-
115.83												
4	89	75	0.72	0.20	0.67	0.25	-0.15	192.59	82.10	146.64	128.05	54.45
4	89	84	1.64	-2.60e-02	0.84	0.77	-0.83	406.76	97.21	406.07	97.90	14.57
4	89	85	0.34	-0.17	2.83e-02	0.13	-0.25	167.93	-238.11	-218.32	148.13	87.45
4	89	86	0.87	-0.15	0.14	0.58	-0.46	109.73	-314.42	-266.57	61.88	134.18
4	89	92	0.19	-3.90	-2.65	-1.06	1.89	-124.49	-1279.62	-1105.38	-298.73	413.41
4	89	93	4.47e-02	-0.15	-0.14	4.00e-02	2.95e-02	88.43	-384.58	-224.19	-71.96	223.92
4	89	141	0.12	-1.69e-02	1.36e-02	9.37e-02	-5.80e-02	59.18	-45.13	-19.55	33.59	-44.88
4	89	142	0.34	-2.24e-02	0.22	0.10	0.17	-14.30	-118.40	-99.15	-33.55	40.42
4	89	144	1.36e-03	-0.11	-8.85e-02	-2.20e-02	4.58e-02	-12.04	-405.41	-282.48	-134.96	182.33
4	89	161	0.16	-0.22	-6.61e-02	7.64e-03	-0.19	117.81	-66.53	46.62	4.66	89.75
4	90	39	2.28	-0.94	2.28	-0.94	-0.10	-57.29	-158.70	-137.20	-78.80	41.45
4	90	40	-1.09	-9.04	-9.04	-1.09	-6.14e-02	-55.94	-154.09	-96.89	-113.13	-48.40

4	90	75	2.83	0.39	2.79	0.43	-0.31	71.05	-146.55	-87.69	12.19	96.66
4	90	84	3.50e-02	-8.69	-7.45	-1.21	-3.05	392.65	-26.73	281.86	84.06	184.90
4	90	85	-0.13	-0.86	-0.40	-0.59	-0.35	44.36	-40.52	20.34	-16.49	38.23
4	90	86	1.36	-2.49	-1.10	-3.32e-02	-1.85	151.63	-147.88	-21.03	24.78	147.99
4	90	92	-1.03	-13.97	-11.19	-3.81	5.31	-98.84	-549.63	-480.44	-168.04	162.49
4	90	93	0.87	-0.27	0.43	0.17	0.55	81.00	-137.89	56.81	-113.71	68.62
4	90	141	-0.42	-1.14	-0.43	-1.14	-5.14e-02	-49.12	-128.38	-50.20	-127.31	-9.15
4	90	142	0.72	-0.64	1.64e-02	5.84e-02	0.68	36.98	-73.66	-35.46	-1.22	-52.60
4	90	144	2.38	0.72	2.35	0.75	-0.22	-103.49	-182.90	-182.49	-103.90	5.69
4	90	161	0.76	-0.83	-0.24	0.16	-0.77	81.07	-81.38	-8.45	8.14	80.80
4	91	39	2.03	-4.17	-4.17	2.03	0.13	234.00	-68.59	-9.77	175.17	119.75
4	91	40	19.46	2.61	19.43	2.64	-0.75	652.87	-672.13	-664.58	645.32	-99.73
4	91	75	-0.50	-4.37	-4.34	-0.52	0.32	313.87	162.86	248.48	228.24	-74.82
4	91	84	20.04	3.30	18.88	4.46	4.25	324.19	-324.55	-86.41	86.04	-
312.70												
4	91	85	1.48	1.17	1.18	1.47	6.18e-02	354.13	-627.54	-612.11	338.71	122.07
4	91	86	5.00	-0.53	3.13	1.34	2.61	116.18	-626.15	-625.24	115.27	26.02
4	91	92	24.06	3.12	21.04	6.14	-7.35	-7.22	-1658.09	-1459.91	-205.40	536.56
4	91	93	0.65	-2.23	-1.15	-0.42	-1.39	204.31	-841.66	-703.39	66.03	354.28
4	91	141	2.37	0.86	0.86	2.37	3.57e-02	227.12	1.23	15.02	213.33	-54.09
4	91	142	1.11	-0.82	0.28	4.51e-03	-0.96	35.66	-182.04	-125.55	-20.83	95.43
4	91	144	-1.53	-5.30	-5.23	-1.59	0.50	173.13	-567.25	-309.58	-84.54	352.67
4	91	161	1.27	-1.26	0.38	-0.36	1.21	110.21	-62.76	63.67	-16.22	76.71
4	92	39	1.94	-0.83	1.93	-0.83	-3.92e-02	-106.79	-284.92	-246.89	-144.82	-73.00
4	92	40	-1.43	-6.33	-6.31	-1.45	0.30	19.42	-450.08	-2.48	-428.18	99.02
4	92	75	2.02	-1.16e-02	2.00	3.41e-03	-0.17	-156.35	-479.39	-475.90	-159.83	33.38
4	92	84	-0.96	-8.31	-7.26	-2.01	-2.57	78.01	-498.12	-452.18	32.07	156.07
4	92	85	-0.21	-0.84	-0.24	-0.80	-0.15	123.92	-189.17	111.14	-176.39	-61.95
4	92	86	0.78	-2.41	-0.93	-0.70	-1.59	189.01	-60.50	138.68	-10.16	-
100.13												
4	92	92	-0.13	-7.77	-5.64	-2.27	3.43	830.02	82.05	615.78	296.29	-
338.15												
4	92	93	0.81	-0.14	0.65	2.27e-02	0.36	237.61	-131.42	138.07	-31.88	-
163.78												
4	92	141	-0.50	-1.44	-0.51	-1.44	7.43e-02	-67.25	-313.82	-80.42	-300.64	55.45
4	92	142	0.32	-0.78	-0.33	-0.13	0.54	263.16	-124.86	73.72	64.58	-
193.95												
4	92	144	2.44	0.76	2.38	0.82	-0.31	238.25	-201.49	16.72	20.04	-
219.86												
4	92	161	0.60	-0.64	-0.17	0.12	-0.60	15.70	-121.79	-104.86	-1.23	45.18
4	93	39	1.51	-3.03	-3.03	1.51	9.64e-02	241.44	-75.75	6.64	159.05	139.09
4	93	40	13.97	2.09	13.92	2.14	-0.74	640.40	-624.04	-608.30	624.66	-
140.19												
4	93	75	-0.22	-2.98	-2.97	-0.23	0.18	331.44	233.60	319.84	245.20	-31.63
4	93	84	15.27	3.00	14.52	3.75	2.94	379.48	-95.26	184.15	100.07	-
233.62												
4	93	85	1.21	0.86	0.87	1.20	-4.61e-02	369.15	-563.79	-543.73	349.09	135.33
4	93	86	3.69	-0.19	2.38	1.12	1.83	127.01	-594.46	-579.14	111.69	104.00
4	93	92	15.90	2.22	14.05	4.07	-4.68	-79.55	-1875.23	-1627.64	-327.14	619.10
4	93	93	0.43	-1.67	-0.96	-0.28	-0.99	194.80	-791.53	-614.40	17.67	378.59
4	93	141	1.90	0.68	0.68	1.90	-1.42e-02	233.23	-6.60	14.44	212.20	-67.84
4	93	142	0.88	-0.46	0.35	7.76e-02	-0.65	36.00	-221.37	-145.98	-39.39	117.13
4	93	144	-1.18	-4.07	-4.01	-1.24	0.42	148.30	-621.65	-350.36	-122.99	367.81
4	93	161	0.87	-0.88	0.25	-0.26	0.84	136.55	-62.25	83.50	-9.19	87.93
4	94	39	3.07	-1.34	3.07	-1.34	-7.45e-02	-131.78	-259.65	-230.48	-160.95	-53.66
4	94	40	-1.94	-11.82	-11.81	-1.95	0.31	60.53	-455.57	53.80	-448.84	58.56
4	94	75	3.41	0.27	3.37	0.30	-0.31	-122.12	-425.30	-404.54	-142.88	76.57
4	94	84	-1.26	-13.09	-11.63	-2.72	-3.89	193.49	-329.03	-181.63	46.09	235.14
4	94	85	-0.45	-1.18	-0.56	-1.07	-0.26	186.25	-172.74	179.52	-166.01	-48.68
4	94	86	1.10	-3.70	-1.69	-0.91	-2.37	187.21	-16.18	184.77	-13.74	-22.15
4	94	92	-1.11	-15.86	-12.63	-4.34	6.10	601.19	21.41	448.05	174.56	-
255.61												
4	94	93	1.33	-0.33	0.84	0.16	0.76	280.91	-134.10	227.05	-80.24	-
139.47												
4	94	141	-0.69	-1.91	-0.69	-1.91	2.44e-02	-73.39	-309.38	-81.01	-301.77	41.70
4	94	142	0.69	-1.01	-0.26	-6.10e-02	0.84	221.94	-122.64	53.29	46.02	-
172.25												
4	94	144	3.66	1.11	3.60	1.17	-0.39	183.51	-225.99	-24.07	-18.41	-
204.73												
4	94	161	0.98	-1.04	-0.29	0.22	-0.98	32.79	-112.04	-85.04	5.79	56.41
4	95	39	2.02	-4.15	-4.15	2.01	0.14	234.05	-66.64	-8.38	175.79	118.85
4	95	40	19.33	2.60	19.30	2.63	-0.74	655.28	-675.51	-667.73	647.49	-

101.50												
4	95	75	-0.49	-4.35	-4.32	-0.51	0.32	316.73	163.67	251.91	228.49	-75.63
4	95	84	19.93	3.28	18.78	4.43	4.23	322.87	-331.82	-94.53	85.58	-
314.71												
4	95	85	1.48	1.16	1.18	1.46	6.93e-02	364.99	-628.05	-613.12	350.06	120.85
4	95	86	4.94	-0.61	3.12	1.21	2.61	116.44	-625.85	-625.12	115.71	23.26
4	95	92	23.87	3.12	20.88	6.11	-7.28	-4.90	-1653.66	-1457.68	-200.88	533.59
4	95	93	0.63	-2.21	-1.15	-0.42	-1.37	205.73	-843.40	-705.24	67.57	354.77
4	95	141	2.36	0.85	0.85	2.36	3.62e-02	227.65	1.20	15.30	213.55	-54.72
4	95	142	1.10	-0.82	0.28	8.13e-03	-0.95	36.24	-183.76	-126.41	-21.11	96.58
4	95	144	-1.52	-5.27	-5.20	-1.59	0.50	175.12	-568.78	-310.27	-83.38	354.23
4	95	161	1.26	-1.25	0.37	-0.36	1.20	110.94	-62.47	64.65	-16.19	76.71
4	96	39	1.96	-0.84	1.96	-0.84	-2.67e-02	-105.26	-284.44	-245.50	-144.20	-73.90
4	96	40	-1.44	-6.45	-6.44	-1.46	0.30	15.77	-447.41	-5.63	-426.00	97.24
4	96	75	2.04	-9.70e-05	2.02	1.49e-02	-0.17	-156.23	-475.83	-472.47	-159.59	32.57
4	96	84	-0.99	-8.42	-7.37	-2.04	-2.59	75.87	-504.56	-460.30	31.61	154.05
4	96	85	-0.22	-0.84	-0.25	-0.81	-0.14	123.94	-178.85	110.14	-165.04	-63.16
4	96	86	0.71	-2.48	-0.95	-0.82	-1.59	191.42	-62.34	138.79	-9.72	-
102.88												
4	96	92	-0.14	-7.96	-5.80	-2.30	3.50	835.60	83.22	618.01	300.81	-
341.12												
4	96	93	0.83	-0.15	0.65	2.11e-02	0.37	236.23	-130.36	136.22	-30.35	-
163.29												
4	96	141	-0.51	-1.45	-0.51	-1.45	7.48e-02	-67.26	-313.31	-80.15	-300.42	54.82
4	96	142	0.33	-0.78	-0.32	-0.13	0.55	261.42	-124.27	72.86	64.29	-
192.80												
4	96	144	2.47	0.76	2.41	0.82	-0.31	236.94	-199.71	16.02	21.20	-
218.31												
4	96	161	0.61	-0.65	-0.17	0.13	-0.61	15.85	-120.93	-103.88	-1.20	45.18
4	97	39	1.52	-3.05	-3.05	1.52	8.39e-02	241.41	-77.73	5.25	158.43	139.99
4	97	40	14.10	2.11	14.05	2.15	-0.75	637.90	-620.56	-605.15	622.48	-
138.42												
4	97	75	-0.23	-3.01	-2.99	-0.24	0.18	327.87	233.49	316.41	244.95	-30.82
4	97	84	15.38	3.02	14.62	3.78	2.96	382.50	-89.70	192.27	100.53	-
231.60												
4	97	85	1.21	0.87	0.88	1.21	-5.36e-02	358.43	-563.42	-542.73	337.74	136.54
4	97	86	3.75	-0.10	2.40	1.25	1.84	127.38	-595.39	-579.26	111.25	106.75
4	97	92	16.09	2.22	14.20	4.11	-4.75	-81.70	-1879.83	-1629.87	-331.66	622.07
4	97	93	0.44	-1.69	-0.97	-0.28	-1.01	193.49	-789.91	-612.55	16.13	378.10
4	97	141	1.91	0.68	0.68	1.91	-1.47e-02	232.65	-6.51	14.17	211.97	-67.21
4	97	142	0.88	-0.46	0.34	7.40e-02	-0.66	35.40	-219.62	-145.12	-39.10	115.97
4	97	144	-1.18	-4.10	-4.04	-1.24	0.42	146.30	-620.13	-349.67	-124.15	366.25
4	97	161	0.88	-0.89	0.26	-0.26	0.84	135.83	-62.53	82.52	-9.22	87.94
4	98	39	3.05	-1.33	3.05	-1.33	-8.69e-02	-133.32	-260.11	-231.87	-161.57	-52.75
4	98	40	-1.93	-11.70	-11.69	-1.94	0.30	64.01	-458.08	56.94	-451.01	60.33
4	98	75	3.38	0.25	3.35	0.29	-0.31	-122.17	-428.92	-407.97	-143.13	77.38
4	98	84	-1.24	-12.98	-11.52	-2.69	-3.87	197.96	-324.92	-173.51	46.55	237.16
4	98	85	-0.44	-1.18	-0.55	-1.06	-0.26	186.71	-183.55	180.52	-177.36	-47.47
4	98	86	1.17	-3.63	-1.67	-0.78	-2.36	186.53	-16.05	184.65	-14.18	-19.39
4	98	92	-1.10	-15.67	-12.47	-4.30	6.03	595.75	20.11	445.82	170.03	-
252.64												
4	98	93	1.31	-0.31	0.84	0.16	0.74	282.66	-135.54	228.90	-81.78	-
139.97												
4	98	141	-0.69	-1.90	-0.69	-1.90	2.39e-02	-73.44	-309.83	-81.28	-302.00	42.33
4	98	142	0.68	-1.01	-0.26	-6.46e-02	0.84	223.68	-123.22	54.15	46.31	-
173.41												
4	98	144	3.64	1.10	3.57	1.17	-0.40	184.82	-227.77	-23.37	-19.57	-
206.29												
4	98	161	0.97	-1.04	-0.29	0.22	-0.97	32.59	-112.85	-86.02	5.77	56.41
4	99	39	2.12	-4.45	-4.45	2.12	0.15	255.72	-46.32	4.31	205.09	112.83
4	99	40	20.26	2.71	20.23	2.75	-0.77	683.52	-690.19	-680.87	674.20	-
112.75												
4	99	75	-0.53	-4.73	-4.71	-0.55	0.34	346.44	157.71	276.85	227.30	-91.06
4	99	84	20.88	3.27	19.62	4.53	4.54	379.25	-359.41	-62.28	82.13	-
362.20												
4	99	85	1.59	1.14	1.18	1.54	0.13	367.89	-660.61	-648.25	355.53	112.08
4	99	86	5.23	-0.72	3.16	1.35	2.83	119.07	-657.18	-652.51	114.40	-60.07
4	99	92	25.10	3.36	21.94	6.52	-7.67	9.36	-1645.38	-1463.63	-172.38	517.41
4	99	93	0.63	-2.26	-1.21	-0.42	-1.39	216.27	-880.62	-751.00	86.65	354.08
4	99	141	2.52	0.91	0.91	2.52	4.40e-02	240.13	2.76	18.38	224.51	-58.86
4	99	142	1.22	-0.90	0.31	1.25e-02	-1.05	34.97	-199.05	-132.07	-32.00	105.77
4	99	144	-1.60	-5.56	-5.48	-1.68	0.54	180.00	-577.10	-313.09	-84.02	360.81

4	99	161	1.33	-1.32	0.39	-0.38	1.27	115.46	-58.80	71.18	-14.52	75.86
4	100	39	2.21	-0.92	2.21	-0.92	-5.28e-02	-138.95	-296.76	-260.97	-174.73	-66.08
4	100	40	-1.54	-7.13	-7.11	-1.55	0.31	39.11	-482.35	13.81	-457.06	112.03
4	100	75	2.38	1.69e-02	2.37	3.21e-02	-0.19	-151.90	-511.25	-504.27	-158.89	49.61
4	100	84	-0.93	-9.15	-8.00	-2.08	-2.85	108.27	-548.60	-476.31	35.98	205.57
4	100	85	-0.17	-0.94	-0.24	-0.88	-0.22	155.02	-200.96	147.27	-193.21	-51.96
4	100	86	0.98	-2.64	-0.96	-0.70	-1.81	167.06	-10.41	165.94	-9.29	-14.04
4	100	92	-0.37	-8.81	-6.54	-2.64	3.74	806.74	76.03	619.50	263.27	-
319.00												
4	100	93	0.86	-0.13	0.70	1.96e-02	0.36	268.93	-135.75	185.68	-52.51	-
163.58												
4	100	141	-0.56	-1.59	-0.56	-1.58	6.61e-02	-68.86	-326.75	-83.78	-311.82	60.22
4	100	142	0.39	-0.89	-0.36	-0.14	0.63	282.31	-126.31	80.24	75.76	-
204.30												
4	100	144	2.70	0.84	2.64	0.90	-0.35	247.87	-208.13	20.22	19.51	-
228.00												
4	100	161	0.66	-0.70	-0.18	0.14	-0.66	13.86	-129.16	-112.38	-2.92	46.03
4	101	39	1.60	-3.31	-3.31	1.60	0.11	261.51	-51.83	20.72	188.96	132.17
4	101	40	14.77	2.20	14.72	2.25	-0.76	671.64	-642.70	-624.59	653.54	-
153.21												
4	101	75	-0.25	-3.35	-3.34	-0.26	0.20	366.89	225.57	348.21	244.25	-47.86
4	101	84	16.10	2.97	15.26	3.82	3.22	440.84	-136.41	208.28	96.15	-
283.13												
4	101	85	1.27	0.87	0.87	1.27	2.38e-02	382.24	-596.19	-579.87	365.91	125.34
4	101	86	3.92	-0.38	2.41	1.13	2.05	111.27	-606.86	-606.41	110.82	17.91
4	101	92	16.95	2.45	14.95	4.45	-5.00	-64.41	-1861.07	-1631.36	-294.12	599.95
4	101	93	0.41	-1.71	-1.02	-0.28	-0.99	203.68	-827.41	-662.02	38.30	378.39
4	101	141	2.05	0.73	0.73	2.05	-5.96e-03	246.44	-5.26	17.80	223.38	-72.61
4	101	142	0.99	-0.53	0.38	8.56e-02	-0.75	35.75	-238.82	-152.51	-50.57	127.47
4	101	144	-1.26	-4.33	-4.26	-1.33	0.46	155.18	-631.51	-353.87	-122.47	375.94
4	101	161	0.93	-0.94	0.27	-0.28	0.89	141.80	-58.29	91.01	-7.50	87.08
4	102	39	3.35	-1.44	3.35	-1.43	-8.81e-02	-163.81	-271.61	-244.56	-190.86	-46.74
4	102	40	-2.05	-12.62	-12.61	-2.06	0.33	79.28	-486.92	70.09	-477.72	71.58
4	102	75	3.77	0.29	3.74	0.33	-0.33	-114.85	-459.99	-432.91	-141.93	92.81
4	102	84	-1.23	-13.93	-12.37	-2.79	-4.17	234.18	-389.93	-205.76	50.01	284.65
4	102	85	-0.41	-1.29	-0.56	-1.15	-0.33	219.38	-186.55	215.65	-182.83	-38.69
4	102	86	1.30	-3.94	-1.72	-0.92	-2.59	228.95	-29.77	212.04	-12.86	63.94
4	102	92	-1.34	-16.91	-13.53	-4.71	6.41	579.45	13.86	451.77	141.54	-
236.46												
4	102	93	1.37	-0.31	0.89	0.16	0.76	320.68	-146.88	274.67	-100.87	-
139.27												
4	102	141	-0.74	-2.05	-0.74	-2.05	1.61e-02	-75.28	-322.04	-84.37	-312.95	46.47
4	102	142	0.76	-1.12	-0.29	-6.90e-02	0.94	241.10	-124.10	59.81	57.20	-
182.60												
4	102	144	3.93	1.19	3.86	1.26	-0.43	193.12	-232.62	-20.56	-18.94	-
212.87												
4	102	161	1.04	-1.10	-0.30	0.24	-1.03	30.70	-119.15	-92.55	4.10	57.26
4	103	39	2.11	-4.43	-4.43	2.11	0.16	255.80	-44.39	5.70	205.70	111.93
4	103	40	20.13	2.70	20.10	2.73	-0.76	685.95	-693.59	-684.02	676.37	-
114.52												
4	103	75	-0.51	-4.71	-4.69	-0.54	0.34	349.48	158.34	280.28	227.54	-91.86
4	103	84	20.77	3.25	19.52	4.50	4.52	377.70	-366.44	-70.40	81.67	-
364.22												
4	103	85	1.58	1.13	1.17	1.54	0.14	378.84	-661.20	-649.25	366.88	110.87
4	103	86	5.17	-0.80	3.14	1.22	2.83	119.95	-657.50	-652.39	114.84	-62.82
4	103	92	24.92	3.35	21.78	6.48	-7.60	11.78	-1641.04	-1461.40	-167.86	514.43
4	103	93	0.62	-2.24	-1.21	-0.42	-1.38	217.73	-882.39	-752.85	88.19	354.57
4	103	141	2.51	0.91	0.91	2.51	4.44e-02	240.67	2.72	18.66	224.73	-59.49
4	103	142	1.22	-0.89	0.31	1.61e-02	-1.04	35.56	-200.79	-132.94	-32.29	106.93
4	103	144	-1.60	-5.53	-5.46	-1.68	0.54	182.00	-578.63	-313.78	-82.86	362.37
4	103	161	1.32	-1.31	0.39	-0.37	1.26	116.19	-58.52	72.16	-14.50	75.85
4	104	39	2.23	-0.93	2.23	-0.93	-4.03e-02	-137.40	-296.30	-259.58	-174.12	-66.98
4	104	40	-1.55	-7.25	-7.23	-1.57	0.32	35.45	-479.68	10.66	-454.88	110.26
4	104	75	2.40	2.84e-02	2.39	4.36e-02	-0.19	-151.82	-507.67	-500.84	-158.64	48.81
4	104	84	-0.95	-9.26	-8.10	-2.11	-2.88	105.73	-554.64	-484.43	35.52	203.56
4	104	85	-0.19	-0.95	-0.25	-0.88	-0.21	154.67	-190.26	146.27	-181.86	-53.17
4	104	86	0.91	-2.72	-0.98	-0.83	-1.81	167.66	-10.44	166.06	-8.85	-16.79
4	104	92	-0.38	-9.00	-6.70	-2.68	3.81	812.16	77.36	621.73	267.79	-
321.97												
4	104	93	0.87	-0.15	0.71	1.80e-02	0.37	267.38	-134.51	183.83	-50.97	-
163.08												
4	104	141	-0.56	-1.60	-0.57	-1.59	6.65e-02	-68.88	-326.23	-83.51	-311.60	59.59

4	104	142	0.40	-0.90	-0.35	-0.14	0.64	280.58	-125.73	79.38	75.47	-203.14
4	104	144	2.73	0.84	2.66	0.91	-0.35	246.55	-206.34	19.53	20.67	-226.45
4	104	161	0.67	-0.71	-0.18	0.14	-0.67	14.00	-128.29	-111.40	-2.89	46.03
4	105	39	1.61	-3.33	-3.33	1.61	9.75e-02	261.47	-53.80	19.33	188.34	133.07
4	105	40	14.90	2.21	14.85	2.26	-0.76	669.13	-639.21	-621.44	651.36	-151.44
4	105	75	-0.26	-3.37	-3.36	-0.27	0.20	363.34	225.45	344.78	244.00	-47.06
4	105	84	16.21	3.00	15.36	3.85	3.24	443.92	-130.92	216.39	96.61	-281.11
4	105	85	1.28	0.87	0.88	1.28	1.63e-02	371.42	-595.72	-578.86	354.56	126.55
4	105	86	3.98	-0.30	2.42	1.26	2.06	110.97	-607.13	-606.53	110.38	20.67
4	105	92	17.14	2.46	15.11	4.48	-5.06	-66.65	-1865.58	-1633.59	-298.64	602.92
4	105	93	0.43	-1.73	-1.02	-0.28	-1.01	202.33	-825.74	-660.17	36.76	377.89
4	105	141	2.06	0.73	0.73	2.06	-6.42e-03	245.85	-5.16	17.53	223.15	-71.98
4	105	142	0.99	-0.54	0.37	8.20e-02	-0.75	35.14	-237.07	-151.64	-50.28	126.32
4	105	144	-1.26	-4.36	-4.29	-1.33	0.45	153.18	-629.99	-353.18	-123.63	374.39
4	105	161	0.94	-0.95	0.27	-0.28	0.90	141.06	-58.57	90.03	-7.53	87.09
4	106	39	3.33	-1.42	3.33	-1.42	-0.10	-165.40	-272.03	-245.95	-191.48	-45.84
4	106	40	-2.03	-12.49	-12.48	-2.04	0.32	82.80	-489.45	73.24	-479.89	73.35
4	106	75	3.75	0.28	3.72	0.31	-0.33	-114.91	-463.60	-436.34	-142.18	93.61
4	106	84	-1.20	-13.82	-12.26	-2.76	-4.15	238.77	-385.94	-197.64	50.47	286.66
4	106	85	-0.40	-1.29	-0.55	-1.14	-0.33	220.05	-197.57	216.66	-194.18	-37.48
4	106	86	1.37	-3.87	-1.70	-0.79	-2.58	230.19	-31.58	211.92	-13.31	66.70
4	106	92	-1.33	-16.72	-13.37	-4.68	6.35	574.23	12.33	449.54	137.01	-233.48
4	106	93	1.35	-0.30	0.89	0.16	0.74	322.49	-148.38	276.52	-102.41	-139.76
4	106	141	-0.74	-2.04	-0.74	-2.04	1.57e-02	-75.31	-322.50	-84.64	-313.18	47.10
4	106	142	0.75	-1.12	-0.29	-7.26e-02	0.93	242.84	-124.68	60.67	57.49	-183.75
4	106	144	3.90	1.18	3.83	1.25	-0.43	194.44	-234.41	-19.87	-20.10	-214.42
4	106	161	1.03	-1.09	-0.30	0.24	-1.03	30.51	-119.97	-93.53	4.07	57.26
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-27.96	-22.90	-7.67	-11.39		-2588.97	-2227.76	-784.36	-594.84
			36.17		31.31	9.48	10.13	1540.12		1215.90	980.84	875.79

Macro	Tipo	Angolo 1-X (gradi)
7	**Guscio**	**0.0**

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
7	1	47	3.92e-02	-2.27e-02	3.80e-02	-2.15e-02	-8.43e-03	-14.72	-40.73	-27.50	-27.94	13.00
7	1	49	0.12	-2.58e-02	6.92e-02	2.72e-02	-7.09e-02	10.43	-48.82	-16.76	-21.63	29.53
7	1	94	0.12	2.91e-02	0.12	3.05e-02	1.09e-02	2.61	-33.18	-2.03	-28.54	12.01
7	1	100	0.26	-9.81e-03	0.17	7.44e-02	-0.12	14.86	-63.72	-51.55	2.69	28.43
7	1	101	6.00e-02	-2.42e-02	5.35e-02	-1.77e-02	-2.25e-02	22.10	-0.91	13.51	7.68	11.13
7	1	102	0.13	1.07e-02	0.13	1.42e-02	-2.05e-02	15.91	5.38	5.62	15.68	-1.56
7	1	136	-9.00e-03	-5.30e-02	-1.16e-02	-5.04e-02	-1.04e-02	-4.08	-49.77	-31.16	-22.68	22.45
7	1	137	-5.30e-03	-5.37e-02	-3.60e-02	-2.30e-02	-2.33e-02	21.62	-48.85	2.01	-29.25	31.58
7	1	138	-1.15e-02	-6.78e-02	-2.55e-02	-5.37e-02	-2.44e-02	14.84	-17.85	3.24	-6.25	15.64
7	1	139	-5.21e-03	-3.19e-02	-9.48e-03	-2.76e-02	-9.78e-03	-19.83	-42.10	-36.03	-25.89	-9.92
7	1	140	2.89e-02	-1.17e-02	2.43e-02	-7.13e-03	1.29e-02	16.77	-27.56	-24.47	13.69	11.27
7	1	143	3.50e-03	-5.78e-03	2.58e-03	-4.87e-03	-2.77e-03	19.02	-26.44	18.74	-26.17	3.53
7	2	47	0.39	-9.13e-02	0.36	-6.52e-02	-0.11	-38.56	-104.62	-39.75	-103.43	8.78
7	2	49	1.27	2.92e-02	0.68	0.61	-0.62	81.89	-83.28	-83.02	81.63	-6.54
7	2	94	0.97	0.39	0.97	0.39	-5.40e-02	146.79	-64.28	137.03	-54.52	-44.31
7	2	100	2.76	0.50	1.83	1.43	-1.11	266.52	27.92	129.90	164.54	-118.03
7	2	101	0.55	-2.08e-02	0.45	7.80e-02	-0.22	107.66	25.12	82.96	49.81	-37.80
7	2	102	1.21	0.42	1.13	0.49	-0.23	140.13	-24.99	108.24	6.90	-65.19
7	2	136	-0.10	-0.46	-0.13	-0.44	-9.36e-02	-53.03	-230.62	-140.06	-143.59	88.78
7	2	137	-0.15	-0.60	-0.51	-0.24	-0.18	10.34	-240.14	-75.73	-154.07	118.96
7	2	138	-0.12	-0.62	-0.30	-0.43	-0.24	85.78	20.28	74.75	31.31	-24.51
7	2	139	2.47e-03	-0.19	-1.26e-02	-0.18	-5.20e-02	-36.95	-149.92	-136.95	-49.91	-36.01

7	2	140	0.23	-0.11	0.20	-7.63e-02	9.35e-02	-7.56	-86.09	-49.50	-44.16	39.17
7	2	143	5.12e-02	-3.34e-02	4.38e-02	-2.60e-02	-2.39e-02	112.62	-67.15	112.00	-66.54	-10.52
7	3	47	2.36e-02	-1.62e-02	2.31e-02	-1.57e-02	-4.59e-03	-10.41	-30.59	-20.93	-20.07	10.08
7	3	49	7.27e-02	-2.13e-02	4.17e-02	9.80e-03	-4.42e-02	8.54	-38.77	-11.64	-18.59	23.39
7	3	94	7.42e-02	1.50e-02	7.26e-02	1.66e-02	9.58e-03	0.62	-26.27	-4.18	-21.46	10.30
7	3	100	0.15	-1.78e-02	0.10	3.16e-02	-7.63e-02	10.37	-54.43	-43.08	-0.98	24.63
7	3	101	3.71e-02	-1.89e-02	3.35e-02	-1.54e-02	-1.36e-02	16.79	-2.59	9.08	5.11	9.49
7	3	102	8.38e-02	2.04e-04	8.21e-02	1.90e-03	-1.18e-02	12.22	2.39	2.39	12.22	-2.70e-03
7	3	136	-5.13e-03	-3.31e-02	-6.70e-03	-3.15e-02	-6.43e-03	-2.18	-34.91	-21.92	-15.17	16.01
7	3	137	-1.03e-03	-3.14e-02	-1.88e-02	-1.37e-02	-1.50e-02	16.87	-33.99	3.02	-20.14	22.64
7	3	138	-6.61e-03	-4.20e-02	-1.44e-02	-3.42e-02	-1.46e-02	11.03	-15.40	1.14	-5.52	12.79
7	3	139	-4.08e-03	-2.15e-02	-7.24e-03	-1.84e-02	-6.73e-03	-14.83	-30.45	-25.81	-19.47	-7.13
7	3	140	1.85e-02	-7.27e-03	1.54e-02	-4.18e-03	8.38e-03	13.69	-20.42	-18.35	11.62	8.15
7	3	143	1.79e-03	-3.93e-03	1.21e-03	-3.34e-03	-1.73e-03	12.93	-19.64	12.66	-19.37	2.98
7	4	47	0.37	-8.49e-02	0.35	-5.94e-02	-0.11	-32.62	-96.10	-33.17	-95.56	5.86
7	4	49	1.22	3.37e-02	0.66	0.60	-0.59	85.65	-78.88	-77.90	84.67	-12.68
7	4	94	0.93	0.37	0.92	0.38	-5.53e-02	145.84	-58.41	134.88	-47.45	-46.02
7	4	100	2.66	0.50	1.76	1.39	-1.06	271.97	27.27	138.37	160.86	-121.83
7	4	101	0.53	-1.57e-02	0.43	8.03e-02	-0.21	105.32	20.46	78.53	47.25	-39.44
7	4	102	1.16	0.41	1.08	0.48	-0.22	135.63	-27.17	105.00	3.45	-63.63
7	4	136	-9.96e-02	-0.44	-0.12	-0.42	-8.97e-02	-51.06	-215.83	-130.81	-136.07	82.34
7	4	137	-0.14	-0.58	-0.49	-0.23	-0.17	5.64	-225.34	-74.73	-144.97	110.02
7	4	138	-0.11	-0.59	-0.29	-0.41	-0.23	86.42	18.27	72.65	32.04	-27.36
7	4	139	3.62e-03	-0.18	-1.03e-02	-0.17	-4.89e-02	-31.85	-138.37	-126.73	-43.48	-33.23
7	4	140	0.22	-0.10	0.19	-7.34e-02	8.90e-02	-8.73	-80.87	-43.38	-46.23	36.05
7	4	143	4.95e-02	-3.16e-02	4.24e-02	-2.45e-02	-2.29e-02	106.65	-60.47	105.92	-59.74	-11.07
7	5	47	2.73e-02	-1.69e-02	2.66e-02	-1.62e-02	-5.66e-03	-10.93	-31.00	-21.06	-20.88	10.04
7	5	49	8.47e-02	-2.05e-02	4.82e-02	1.61e-02	-5.01e-02	8.24	-38.07	-12.35	-17.49	23.01
7	5	94	8.30e-02	1.92e-02	8.17e-02	2.05e-02	8.89e-03	1.37	-25.82	-2.70	-21.74	9.70
7	5	100	0.18	-1.20e-02	0.12	4.61e-02	-8.69e-02	10.96	-51.36	-41.15	0.74	23.07
7	5	101	4.22e-02	-1.87e-02	3.78e-02	-1.44e-02	-1.57e-02	16.90	-1.52	9.82	5.56	8.96
7	5	102	9.50e-02	4.77e-03	9.27e-02	7.01e-03	-1.40e-02	12.18	3.43	3.48	12.13	-0.68
7	5	136	-6.14e-03	-3.74e-02	-7.96e-03	-3.56e-02	-7.32e-03	-2.72	-36.81	-23.08	-16.46	16.72
7	5	137	-2.77e-03	-3.70e-02	-2.38e-02	-1.59e-02	-1.66e-02	16.74	-36.02	2.19	-21.47	23.58
7	5	138	-7.87e-03	-4.77e-02	-1.73e-02	-3.82e-02	-1.70e-02	11.24	-14.46	1.91	-5.12	12.36
7	5	139	-4.04e-03	-2.32e-02	-7.27e-03	-2.00e-02	-7.18e-03	-15.07	-31.54	-26.89	-19.72	-7.41
7	5	140	2.06e-02	-8.26e-03	1.73e-02	-4.92e-03	9.24e-03	13.24	-20.86	-18.62	11.00	8.44
7	5	143	2.30e-03	-4.22e-03	1.65e-03	-3.57e-03	-1.96e-03	13.89	-20.04	13.65	-19.80	2.83
7	6	47	0.26	-6.26e-02	0.24	-4.53e-02	-7.26e-02	-28.01	-72.41	-29.22	-71.20	7.22
7	6	49	0.85	1.66e-02	0.46	0.41	-0.42	51.36	-56.53	-56.52	51.35	-1.04
7	6	94	0.65	0.26	0.65	0.26	-3.44e-02	95.76	-44.82	90.01	-39.06	-27.85
7	6	100	1.85	0.33	1.23	0.95	-0.75	170.18	18.28	79.82	108.64	-74.57
7	6	101	0.37	-1.62e-02	0.31	4.94e-02	-0.15	71.07	18.70	56.12	33.65	-23.66
7	6	102	0.81	0.28	0.76	0.33	-0.15	93.25	-15.07	71.89	6.28	-43.10
7	6	136	-6.91e-02	-0.31	-8.67e-02	-0.29	-6.28e-02	-35.42	-157.31	-95.67	-97.06	60.94
7	6	137	-9.68e-02	-0.40	-0.34	-0.16	-0.12	9.16	-163.50	-49.64	-104.69	81.83
7	6	138	-7.86e-02	-0.42	-0.20	-0.29	-0.16	55.42	14.08	49.58	19.92	-14.41
7	6	139	9.99e-04	-0.13	-9.31e-03	-0.12	-3.53e-02	-26.62	-103.28	-94.17	-35.73	-24.81
7	6	140	0.15	-7.04e-02	0.13	-5.10e-02	6.30e-02	-4.11	-58.75	-35.30	-27.56	27.04
7	6	143	3.41e-02	-2.26e-02	2.91e-02	-1.77e-02	-1.61e-02	76.17	-47.06	75.83	-46.71	-6.54
7	7	47	2.73e-02	-1.69e-02	2.66e-02	-1.62e-02	-5.66e-03	-10.93	-31.00	-21.06	-20.88	10.04
7	7	49	8.47e-02	-2.05e-02	4.82e-02	1.61e-02	-5.01e-02	8.24	-38.07	-12.35	-17.49	23.01
7	7	94	8.30e-02	1.92e-02	8.17e-02	2.05e-02	8.89e-03	1.37	-25.82	-2.70	-21.74	9.70
7	7	100	0.18	-1.20e-02	0.12	4.61e-02	-8.69e-02	10.96	-51.36	-41.15	0.74	23.07
7	7	101	4.22e-02	-1.87e-02	3.78e-02	-1.44e-02	-1.57e-02	16.90	-1.52	9.82	5.56	8.96
7	7	102	9.50e-02	4.77e-03	9.27e-02	7.01e-03	-1.40e-02	12.18	3.43	3.48	12.13	-0.68
7	7	136	-6.14e-03	-3.74e-02	-7.96e-03	-3.56e-02	-7.32e-03	-2.72	-36.81	-23.08	-16.46	16.72
7	7	137	-2.77e-03	-3.70e-02	-2.38e-02	-1.59e-02	-1.66e-02	16.74	-36.02	2.19	-21.47	23.58
7	7	138	-7.87e-03	-4.77e-02	-1.73e-02	-3.82e-02	-1.70e-02	11.24	-14.46	1.91	-5.12	12.36
7	7	139	-4.04e-03	-2.32e-02	-7.27e-03	-2.00e-02	-7.18e-03	-15.07	-31.54	-26.89	-19.72	-7.41
7	7	140	2.06e-02	-8.26e-03	1.73e-02	-4.92e-03	9.24e-03	13.24	-20.86	-18.62	11.00	8.44
7	7	143	2.30e-03	-4.22e-03	1.65e-03	-3.57e-03	-1.96e-03	13.89	-20.04	13.65	-19.80	2.83
7	8	47	0.19	-4.87e-02	0.18	-3.66e-02	-5.25e-02	-24.70	-58.17	-26.77	-56.10	8.07
7	8	49	0.62	5.95e-03	0.33	0.29	-0.31	31.21	-43.78	-43.27	30.70	6.18
7	8	94	0.48	0.19	0.48	0.19	-2.14e-02	64.98	-36.65	62.19	-33.87	-16.58
7	8	100	1.35	0.23	0.89	0.68	-0.55	108.05	11.75	43.53	76.27	-45.28
7	8	101	0.27	-1.66e-02	0.23	3.03e-02	-0.11	50.00	17.46	42.23	25.23	-13.87
7	8	102	0.59	0.20	0.56	0.23	-0.11	67.01	-7.60	51.37	8.04	-30.37
7	8	136	-5.02e-02	-0.23	-6.31e-02	-0.22	-4.62e-02	-25.71	-121.07	-73.90	-72.88	47.68
7	8	137	-6.90e-02	-0.29	-0.25	-0.11	-9.00e-02	11.37	-125.19	-34.09	-79.73	64.35

7	8	138	-5.76e-02	-0.30	-0.15	-0.21	-0.12	36.93	10.75	35.27	12.41	-6.38
7	8	139	-6.16e-04	-9.80e-02	-8.70e-03	-8.99e-02	-2.69e-02	-23.35	-81.56	-73.99	-30.93	-19.59
7	8	140	0.11	-5.18e-02	9.91e-02	-3.72e-02	4.69e-02	-0.52	-45.77	-30.30	-15.99	21.46
7	8	143	2.46e-02	-1.71e-02	2.09e-02	-1.34e-02	-1.18e-02	57.32	-38.78	57.17	-38.64	-3.73
7	9	47	2.73e-02	-1.69e-02	2.66e-02	-1.62e-02	-5.66e-03	-10.93	-31.00	-21.06	-20.88	10.04
7	9	49	8.47e-02	-2.05e-02	4.82e-02	1.61e-02	-5.01e-02	8.24	-38.07	-12.35	-17.49	23.01
7	9	94	8.30e-02	1.92e-02	8.17e-02	2.05e-02	8.89e-03	1.37	-25.82	-2.70	-21.74	9.70
7	9	100	0.18	-1.20e-02	0.12	4.61e-02	-8.69e-02	10.96	-51.36	-41.15	0.74	23.07
7	9	101	4.22e-02	-1.87e-02	3.78e-02	-1.44e-02	-1.57e-02	16.90	-1.52	9.82	5.56	8.96
7	9	102	9.50e-02	4.77e-03	9.27e-02	7.01e-03	-1.40e-02	12.18	3.43	3.48	12.13	-0.68
7	9	136	-6.14e-03	-3.74e-02	-7.96e-03	-3.56e-02	-7.32e-03	-2.72	-36.81	-23.08	-16.46	16.72
7	9	137	-2.77e-03	-3.70e-02	-2.38e-02	-1.59e-02	-1.66e-02	16.74	-36.02	2.19	-21.47	23.58
7	9	138	-7.87e-03	-4.77e-02	-1.73e-02	-3.82e-02	-1.70e-02	11.24	-14.46	1.91	-5.12	12.36
7	9	139	-4.04e-03	-2.32e-02	-7.27e-03	-2.00e-02	-7.18e-03	-15.07	-31.54	-26.89	-19.72	-7.41
7	9	140	2.06e-02	-8.26e-03	1.73e-02	-4.92e-03	9.24e-03	13.24	-20.86	-18.62	11.00	8.44
7	9	143	2.30e-03	-4.22e-03	1.65e-03	-3.57e-03	-1.96e-03	13.89	-20.04	13.65	-19.80	2.83
7	10	47	0.17	-4.41e-02	0.16	-3.36e-02	-4.58e-02	-23.43	-53.59	-25.95	-51.07	8.35
7	10	49	0.54	2.39e-03	0.29	0.25	-0.27	24.97	-40.01	-38.85	23.82	8.58
7	10	94	0.42	0.16	0.42	0.17	-1.71e-02	54.82	-34.03	52.92	-32.13	-12.83
7	10	100	1.18	0.19	0.78	0.59	-0.48	87.84	9.07	31.43	65.48	-35.51
7	10	101	0.24	-1.67e-02	0.20	2.39e-02	-9.34e-02	43.05	16.96	37.60	22.42	-10.61
7	10	102	0.52	0.17	0.49	0.20	-9.85e-02	58.28	-5.13	44.53	8.62	-26.13
7	10	136	-4.39e-02	-0.20	-5.52e-02	-0.19	-4.06e-02	-22.46	-108.99	-66.64	-64.82	43.25
7	10	137	-5.97e-02	-0.25	-0.21	-0.10	-7.95e-02	12.11	-112.42	-28.91	-71.40	58.53
7	10	138	-5.06e-02	-0.27	-0.13	-0.19	-0.10	31.15	9.26	30.51	9.91	-3.70
7	10	139	-1.15e-03	-8.73e-02	-8.50e-03	-7.99e-02	-2.41e-02	-22.25	-74.34	-67.26	-29.33	-17.85
7	10	140	0.10	-4.55e-02	8.74e-02	-3.26e-02	4.15e-02	0.89	-41.65	-28.63	-12.13	19.60
7	10	143	2.14e-02	-1.53e-02	1.81e-02	-1.20e-02	-1.04e-02	51.05	-36.04	50.96	-35.95	-2.79
7	11	47	0.56	7.64e-02	0.55	8.54e-02	-6.57e-02	30.48	-2.20	25.19	3.09	-12.04
7	11	49	2.01	1.32	1.69	1.63	-0.35	223.30	-124.48	-84.58	183.40	110.83
7	11	94	1.76	0.61	1.71	0.65	0.22	263.74	73.72	174.74	162.72	-94.82
7	11	100	4.93	0.68	3.72	1.89	-1.91	270.12	-276.01	-273.62	267.74	-36.04
7	11	101	1.26	0.20	1.18	0.27	-0.27	121.43	94.98	97.24	119.17	7.40
7	11	102	2.69	0.10	2.65	0.14	-0.32	187.11	-69.85	-56.90	174.17	-56.21
7	11	136	5.55e-02	-0.43	1.56e-02	-0.39	-0.13	13.41	-173.56	-47.16	-112.98	87.50
7	11	137	0.13	-0.39	2.73e-02	-0.29	-0.20	10.32	-312.36	-59.38	-242.67	132.78
7	11	138	0.18	-0.65	1.08e-03	-0.48	-0.34	82.05	63.08	81.69	63.44	-2.60
7	11	139	0.45	0.16	0.43	0.18	7.00e-02	43.63	-84.85	-78.03	36.82	28.80
7	11	140	0.60	-0.11	0.55	-4.84e-02	0.20	-11.43	-100.65	-16.40	-95.67	20.48
7	11	143	0.31	0.12	0.30	0.13	-3.25e-02	107.45	29.30	104.38	32.38	-15.19
7	12	47	0.79	-2.63e-02	0.48	0.28	-0.40	-29.00	-144.24	-107.88	-65.36	53.55
7	12	49	0.90	-0.21	0.68	9.81e-03	0.44	137.52	-316.79	118.16	-297.43	91.77
7	12	94	0.96	0.36	0.93	0.38	-0.12	23.36	-386.67	-250.58	-112.73	193.08
7	12	100	-1.70e-02	-0.65	-0.64	-2.11e-02	-5.06e-02	-59.08	-762.91	-476.99	-344.99	345.67
7	12	101	0.73	-5.23e-02	0.69	-1.60e-02	-0.16	27.14	-198.56	-37.68	-133.74	102.12
7	12	102	0.73	0.21	0.66	0.28	-0.18	80.33	-153.57	-114.19	40.96	87.52
7	12	136	0.74	0.23	0.56	0.41	-0.24	138.02	10.69	65.30	83.41	-63.02
7	12	137	0.83	0.27	0.61	0.49	-0.27	315.84	111.33	194.37	232.80	-100.43
7	12	138	0.35	1.92e-02	0.30	6.57e-02	-0.11	-18.40	-230.22	-123.47	-125.14	105.91
7	12	139	0.20	-0.25	0.18	-0.23	-8.38e-02	37.93	-124.34	37.87	-124.28	3.16
7	12	140	0.42	-0.48	0.40	-0.46	0.16	231.80	-52.53	-51.89	231.16	-13.50
7	12	143	0.27	0.21	0.25	0.23	-2.69e-02	-29.43	-101.05	-85.68	-44.80	29.40
7	13	47	5.73e-02	-0.58	-0.17	-0.35	0.30	68.83	-49.65	55.97	-36.79	-36.86
7	13	49	1.22	-0.82	-9.26e-02	0.49	-0.98	355.16	-205.96	-195.86	345.06	-74.61
7	13	94	2.26e-02	-0.16	-8.32e-02	-5.32e-02	8.95e-02	469.95	-65.06	356.43	48.46	-218.74
7	13	100	2.75	0.66	2.21	1.20	-0.91	925.83	89.98	539.86	475.96	-416.70
7	13	101	6.52e-02	-0.30	-0.30	6.38e-02	-2.23e-02	273.36	18.10	112.88	178.58	-123.33
7	13	102	0.33	0.11	0.32	0.11	-2.04e-02	269.81	-90.28	203.25	-23.72	-139.78
7	13	136	-0.56	-0.90	-0.67	-0.79	0.16	-56.11	-355.51	-198.58	-213.05	149.53
7	13	137	-0.66	-1.07	-1.04	-0.69	0.11	-87.83	-539.97	-252.19	-375.61	217.48
7	13	138	-0.39	-0.61	-0.56	-0.44	-9.43e-02	279.74	49.70	184.49	144.95	-113.31
7	13	139	7.61e-02	-0.20	-0.20	7.15e-02	3.57e-02	71.81	-178.57	-172.39	65.62	-38.86
7	13	140	0.40	-0.23	-0.22	0.39	-7.68e-02	5.29	-266.08	-5.37	-255.42	52.71
7	13	143	-0.21	-0.25	-0.21	-0.25	6.09e-03	193.15	-32.65	187.59	-27.09	-34.98
7	14	47	-0.15	-0.25	-0.24	-0.15	-2.60e-02	-59.16	-123.16	-77.09	-105.23	28.74
7	14	49	-0.93	-1.31	-1.11	-1.13	-0.19	53.29	-182.18	6.88	-135.77	-93.67

7	14	94	-0.22	-0.97	-0.87	-0.32	-0.25	-42.90	-252.98	-68.89	-226.99	69.17
7	14	100	-0.24	-2.62	-2.15	-0.71	0.95	339.06	-139.34	336.49	-136.77	-34.98
7	14	101	-0.21	-0.80	-0.78	-0.23	8.75e-02	-9.43	-86.95	-22.04	-74.34	-28.61
7	14	102	0.26	-1.67	-1.67	0.25	0.12	146.01	-156.97	145.96	-156.92	3.95
7	14	136	3.17e-02	-0.14	-0.13	1.40e-02	5.29e-02	-16.64	-86.12	-86.11	-16.66	-1.00
7	14	137	9.02e-02	-0.46	-0.45	8.68e-02	4.35e-02	102.32	-0.90	1.55	99.86	-15.73
7	14	138	0.14	-0.30	-0.26	9.73e-02	0.13	-19.71	-44.59	-20.68	-43.63	-4.80
7	14	139	-0.26	-0.52	-0.45	-0.34	-0.12	-8.60	-143.36	-56.48	-95.47	-64.50
7	14	140	1.63e-02	-0.40	-0.37	-1.67e-02	-0.11	74.45	-43.90	-40.85	71.40	18.73
7	14	143	-0.15	-0.27	-0.27	-0.15	1.17e-02	-1.57	-105.17	-2.47	-104.27	9.61
7	15	47	0.55	7.66e-02	0.55	8.44e-02	-6.03e-02	37.15	1.83	29.59	9.40	-14.49
7	15	49	2.02	1.35	1.72	1.65	-0.33	234.44	-129.61	-84.88	189.71	119.51
7	15	94	1.77	0.61	1.72	0.65	0.22	283.80	74.47	182.51	175.77	-104.61
7	15	100	4.94	0.69	3.73	1.90	-1.91	278.52	-292.62	-290.80	276.70	-32.18
7	15	101	1.27	0.21	1.20	0.28	-0.27	127.57	97.93	100.25	125.24	7.97
7	15	102	2.72	0.10	2.68	0.14	-0.32	197.14	-76.65	-63.54	184.03	-58.46
7	15	136	4.74e-02	-0.45	1.07e-02	-0.41	-0.13	17.03	-179.13	-45.61	-116.49	91.46
7	15	137	0.13	-0.39	3.93e-02	-0.30	-0.19	10.54	-322.48	-58.23	-253.72	134.80
7	15	138	0.18	-0.65	6.00e-03	-0.47	-0.34	84.42	66.50	84.18	66.74	-2.07
7	15	139	0.47	0.18	0.44	0.20	7.87e-02	51.47	-86.60	-79.10	43.96	31.30
7	15	140	0.62	-9.95e-02	0.56	-4.00e-02	0.20	-11.44	-112.18	-15.65	-107.98	20.15
7	15	143	0.31	0.12	0.31	0.13	-3.25e-02	111.00	32.36	107.40	35.96	-16.43
7	16	47	0.80	-2.77e-02	0.49	0.28	-0.40	-32.40	-151.55	-112.29	-71.66	56.00
7	16	49	0.86	-0.22	0.66	-1.02e-02	0.43	134.22	-319.50	118.46	-303.74	83.09
7	16	94	0.95	0.35	0.92	0.38	-0.13	21.37	-405.50	-258.35	-125.77	202.88
7	16	100	-3.01e-02	-0.66	-0.65	-3.40e-02	-4.92e-02	-61.00	-752.76	-459.81	-353.96	341.81
7	16	101	0.72	-6.13e-02	0.68	-2.25e-02	-0.17	22.74	-203.24	-40.69	-139.81	101.54
7	16	102	0.71	0.21	0.64	0.28	-0.18	75.19	-151.64	-107.55	31.10	89.76
7	16	136	0.75	0.24	0.56	0.42	-0.25	143.30	7.36	63.75	86.91	-66.97
7	16	137	0.84	0.27	0.60	0.50	-0.28	324.06	113.00	193.22	243.85	-102.45
7	16	138	0.34	1.11e-02	0.29	5.96e-02	-0.12	-21.82	-232.58	-125.96	-128.44	105.37
7	16	139	0.19	-0.27	0.17	-0.25	-9.25e-02	38.94	-131.43	38.94	-131.43	0.66
7	16	140	0.41	-0.49	0.38	-0.46	0.16	244.04	-53.23	-52.65	243.46	-13.17
7	16	143	0.26	0.21	0.24	0.23	-2.70e-02	-31.86	-105.23	-88.71	-48.38	30.64
7	17	47	5.67e-02	-0.58	-0.18	-0.35	0.31	75.02	-45.12	60.38	-30.48	-39.30
7	17	49	1.23	-0.79	-7.07e-02	0.51	-0.96	359.20	-203.99	-196.16	351.37	-65.93
7	17	94	3.17e-02	-0.15	-7.30e-02	-5.02e-02	9.26e-02	486.96	-61.25	364.20	61.50	-228.53
7	17	100	2.76	0.67	2.22	1.21	-0.91	917.07	90.53	522.68	484.92	-412.83
7	17	101	7.12e-02	-0.28	-0.28	7.03e-02	-1.77e-02	277.75	22.79	115.89	184.65	-122.76
7	17	102	0.35	0.11	0.35	0.11	-2.17e-02	268.14	-85.38	196.61	-13.85	-142.02
7	17	136	-0.56	-0.92	-0.67	-0.80	0.17	-52.99	-360.58	-197.02	-216.55	153.48
7	17	137	-0.66	-1.07	-1.03	-0.70	0.12	-89.11	-548.58	-251.04	-386.66	219.50
7	17	138	-0.39	-0.60	-0.55	-0.44	-9.13e-02	282.04	53.19	186.98	148.25	-112.77
7	17	139	9.96e-02	-0.19	-0.18	9.27e-02	4.43e-02	78.03	-178.71	-173.46	72.77	-36.36
7	17	140	0.41	-0.22	-0.21	0.40	-7.51e-02	5.43	-277.77	-4.61	-267.73	52.38
7	17	143	-0.21	-0.25	-0.21	-0.25	6.14e-03	196.58	-29.48	190.62	-23.51	-36.22
7	18	47	-0.14	-0.24	-0.23	-0.15	-3.14e-02	-61.90	-131.13	-81.50	-111.54	31.19
7	18	49	-0.93	-1.35	-1.13	-1.15	-0.21	59.22	-194.12	7.18	-142.08	-102.35
7	18	94	-0.22	-0.98	-0.88	-0.32	-0.26	-44.74	-271.96	-76.66	-240.03	78.96
7	18	100	-0.25	-2.64	-2.16	-0.72	0.95	356.67	-148.74	353.67	-145.73	-38.85
7	18	101	-0.22	-0.81	-0.80	-0.23	8.29e-02	-12.51	-92.96	-25.05	-80.41	-29.19
7	18	102	0.26	-1.70	-1.69	0.25	0.13	152.72	-166.90	152.60	-166.78	6.19
7	18	136	4.33e-02	-0.14	-0.12	2.90e-02	4.84e-02	-12.82	-87.99	-87.66	-13.15	-4.95
7	18	137	0.10	-0.47	-0.47	9.94e-02	3.30e-02	113.69	-2.38	0.40	110.91	-17.75
7	18	138	0.13	-0.31	-0.26	9.12e-02	0.13	-22.02	-48.07	-23.17	-46.93	-5.34
7	18	139	-0.27	-0.55	-0.46	-0.36	-0.13	-7.98	-150.05	-55.42	-102.62	-67.00
7	18	140	8.48e-03	-0.42	-0.38	-2.52e-02	-0.11	86.54	-44.44	-41.61	83.71	19.06
7	18	143	-0.15	-0.27	-0.27	-0.15	1.17e-02	-4.35	-108.99	-5.49	-107.85	10.85
7	19	47	0.55	8.18e-02	0.55	9.01e-02	-6.20e-02	87.12	26.21	29.83	83.50	-14.39
7	19	49	1.91	1.29	1.64	1.55	-0.31	238.79	-126.96	-77.86	189.69	124.69
7	19	94	1.71	0.63	1.66	0.67	0.21	275.81	73.24	180.89	168.17	-101.09
7	19	100	3.64	-0.17	2.25	1.23	-1.84	277.74	-308.88	-308.02	276.89	-22.43
7	19	101	1.24	0.19	1.17	0.26	-0.27	132.08	96.09	99.73	128.44	10.85

7	19	102	2.57	0.12	2.53	0.15	-0.30	191.05	-78.72	-66.22	178.54	-56.72
7	19	136	5.63e-02	-0.44	2.39e-02	-0.41	-0.12	17.91	-176.59	-42.38	-116.31	89.95
7	19	137	0.16	-0.37	7.07e-02	-0.29	-0.20	13.48	-324.19	-51.19	-259.52	132.88
7	19	138	0.16	-0.31	1.48e-02	-0.16	-0.22	82.47	66.04	82.45	66.06	0.51
7	19	139	0.45	0.16	0.43	0.18	7.32e-02	112.47	-81.93	-77.03	107.57	30.49
7	19	140	0.60	-9.05e-02	0.55	-3.32e-02	0.19	-11.74	-104.20	-15.95	-99.99	19.27
7	19	143	0.30	0.13	0.30	0.13	-3.22e-02	109.58	28.74	106.11	32.20	-16.38
7	20	47	0.78	-2.31e-02	0.47	0.29	-0.39	34.14	-122.32	-103.24	15.06	51.20
7	20	49	0.87	-0.31	0.63	-6.95e-02	0.48	150.16	-316.42	124.88	-291.14	105.63
7	20	94	0.91	0.37	0.88	0.40	-0.13	23.15	-374.87	-244.43	-107.29	186.82
7	20	100	-0.68	-2.12	-2.12	-0.68	2.51e-02	-53.76	-793.47	-511.39	-335.84	359.29
7	20	101	0.72	-6.19e-02	0.68	-2.79e-02	-0.16	34.79	-194.46	-35.19	-124.48	105.57
7	20	102	0.62	0.22	0.54	0.29	-0.16	82.14	-160.32	-123.51	45.33	87.00
7	20	136	0.73	0.23	0.57	0.39	-0.23	135.86	14.31	70.09	80.08	-60.57
7	20	137	0.85	0.30	0.66	0.49	-0.26	309.81	108.70	202.55	215.95	-100.33
7	20	138	0.38	0.31	0.31	0.38	7.10e-03	-13.60	-231.63	-122.71	-122.52	109.01
7	20	139	0.20	-0.24	0.18	-0.23	-8.06e-02	39.13	-53.78	38.88	-53.53	4.85
7	20	140	0.42	-0.47	0.40	-0.44	0.15	227.61	-52.21	-51.44	226.84	-14.71
7	20	143	0.27	0.21	0.24	0.23	-2.66e-02	-30.17	-98.75	-83.95	-44.97	28.21
7	21	47	5.77e-02	-0.57	-0.16	-0.35	0.30	58.12	-123.99	51.33	-117.20	-34.51
7	21	49	1.33	-0.80	-4.26e-02	0.57	-1.02	352.86	-216.67	-202.58	338.77	-88.46
7	21	94	4.86e-02	-0.15	-3.34e-02	-7.17e-02	9.94e-02	458.85	-65.55	350.28	43.02	-212.47
7	21	100	4.12	1.43	3.68	1.86	-0.99	954.19	86.87	574.26	466.81	-430.32
7	21	101	7.78e-02	-0.29	-0.29	7.57e-02	-2.78e-02	270.02	9.68	110.39	169.31	-126.79
7	21	102	0.45	9.86e-02	0.45	0.10	-4.07e-02	276.29	-91.81	212.57	-28.09	-139.26
7	21	136	-0.57	-0.88	-0.68	-0.77	0.15	-59.42	-353.66	-203.36	-209.72	147.08
7	21	137	-0.66	-1.11	-1.09	-0.69	0.10	-86.68	-532.45	-260.37	-358.76	217.39
7	21	138	-0.43	-0.90	-0.57	-0.76	-0.22	281.27	44.79	183.73	142.34	-116.42
7	21	139	7.19e-02	-0.20	-0.20	6.80e-02	3.25e-02	4.14	-182.66	-173.40	-5.13	-40.55
7	21	140	0.38	-0.23	-0.22	0.37	-7.17e-02	5.51	-262.44	-5.82	-251.11	53.92
7	21	143	-0.21	-0.26	-0.21	-0.26	5.73e-03	191.10	-32.16	185.86	-26.92	-33.79
7	22	47	-0.15	-0.24	-0.23	-0.16	-2.97e-02	-73.15	-194.23	-81.74	-185.64	31.09
7	22	49	-0.82	-1.28	-1.06	-1.05	-0.23	57.96	-199.86	0.16	-142.06	-107.52
7	22	94	-0.24	-0.92	-0.82	-0.34	-0.24	-44.73	-262.75	-75.04	-232.44	75.43
7	22	100	0.57	-1.29	-0.68	-4.57e-02	0.87	375.42	-150.45	370.89	-145.92	-48.60
7	22	101	-0.20	-0.79	-0.77	-0.21	8.20e-02	-10.46	-97.66	-24.53	-83.60	-32.07
7	22	102	0.25	-1.55	-1.54	0.24	0.10	155.34	-161.36	155.28	-161.30	4.46
7	22	136	4.08e-02	-0.14	-0.13	3.09e-02	4.18e-02	-13.18	-91.04	-90.89	-13.33	-3.44
7	22	137	8.95e-02	-0.50	-0.50	8.72e-02	3.66e-02	118.71	-8.63	-6.63	116.71	-15.82
7	22	138	-0.22	-0.27	-0.27	-0.22	1.04e-02	-19.13	-48.55	-21.44	-46.25	-7.91
7	22	139	-0.26	-0.53	-0.45	-0.34	-0.12	-26.20	-197.51	-57.49	-166.22	-66.19
7	22	140	-5.29e-04	-0.40	-0.37	-3.19e-02	-0.11	79.03	-44.61	-41.31	75.72	19.94
7	22	143	-0.15	-0.26	-0.26	-0.16	1.13e-02	-3.04	-105.25	-4.20	-104.09	10.80
7	23	47	0.54	8.20e-02	0.54	8.91e-02	-5.66e-02	94.51	29.53	34.23	89.81	-16.84
7	23	49	1.91	1.33	1.67	1.57	-0.29	250.17	-132.33	-78.16	196.00	133.36
7	23	94	1.72	0.63	1.67	0.67	0.21	295.88	73.99	188.66	181.21	-110.88
7	23	100	3.65	-0.16	2.25	1.24	-1.84	286.41	-325.76	-325.20	285.85	-18.56
7	23	101	1.26	0.20	1.19	0.27	-0.26	138.19	99.06	102.74	134.50	11.43
7	23	102	2.59	0.12	2.56	0.15	-0.30	201.10	-85.55	-72.86	188.40	-58.97
7	23	136	4.86e-02	-0.46	1.90e-02	-0.43	-0.12	21.55	-182.19	-40.83	-119.81	93.91
7	23	137	0.16	-0.38	8.27e-02	-0.30	-0.19	13.92	-334.53	-50.04	-270.57	134.89
7	23	138	0.17	-0.30	1.97e-02	-0.15	-0.22	85.01	69.29	84.94	69.35	1.04
7	23	139	0.47	0.18	0.45	0.20	8.18e-02	120.20	-83.58	-78.09	114.72	32.99
7	23	140	0.62	-8.27e-02	0.56	-2.48e-02	0.19	-11.63	-115.86	-15.20	-112.29	18.94
7	23	143	0.31	0.13	0.30	0.13	-3.21e-02	113.15	31.77	109.14	35.78	-17.62
7	24	47	0.79	-2.45e-02	0.48	0.29	-0.40	29.71	-128.60	-107.64	8.75	53.65
7	24	49	0.84	-0.32	0.61	-8.96e-02	0.46	146.36	-318.63	125.18	-297.45	96.95
7	24	94	0.91	0.36	0.87	0.40	-0.14	21.11	-393.64	-252.20	-120.33	196.61
7	24	100	-0.70	-2.13	-2.13	-0.70	2.66e-02	-56.32	-782.70	-494.21	-344.81	355.42
7	24	101	0.70	-7.08e-02	0.67	-3.44e-02	-0.16	30.33	-199.08	-38.20	-130.55	105.00
7	24	102	0.59	0.21	0.51	0.29	-0.15	76.63	-158.03	-116.87	35.47	89.25
7	24	136	0.74	0.24	0.57	0.41	-0.24	141.03	11.10	68.53	83.59	-64.53
7	24	137	0.86	0.29	0.65	0.50	-0.27	317.35	111.05	201.40	227.00	-102.35

7	24	138	0.38	0.31	0.31	0.38	4.06e-03	-17.03	-233.99	-125.21	-125.82	108.48
7	24	139	0.19	-0.27	0.17	-0.25	-8.93e-02	40.00	-60.73	39.95	-60.68	2.35
7	24	140	0.41	-0.48	0.38	-0.45	0.15	239.85	-52.90	-52.19	239.14	-14.38
7	24	143	0.26	0.21	0.24	0.23	-2.66e-02	-32.59	-102.93	-86.98	-48.55	29.46
7	25	47	5.70e-02	-0.58	-0.17	-0.35	0.31	63.56	-118.72	55.74	-110.89	-36.95
7	25	49	1.33	-0.76	-2.07e-02	0.59	-1.00	356.46	-214.26	-202.88	345.08	-79.78
7	25	94	5.90e-02	-0.15	-2.32e-02	-6.87e-02	0.10	475.76	-61.65	358.05	56.06	-222.27
7	25	100	4.13	1.44	3.69	1.88	-0.99	944.81	88.04	557.08	475.77	-426.45
7	25	101	8.37e-02	-0.27	-0.27	8.22e-02	-2.32e-02	274.35	14.43	113.40	175.38	-126.21
7	25	102	0.48	9.82e-02	0.47	0.10	-4.21e-02	274.37	-86.67	205.93	-18.23	-141.51
7	25	136	-0.57	-0.90	-0.68	-0.79	0.16	-56.37	-358.66	-201.81	-213.23	151.04
7	25	137	-0.67	-1.11	-1.07	-0.70	0.11	-88.25	-540.78	-259.23	-369.81	219.41
7	25	138	-0.43	-0.89	-0.57	-0.76	-0.21	283.57	48.28	186.22	145.63	-115.88
7	25	139	9.52e-02	-0.19	-0.18	8.91e-02	4.12e-02	9.88	-182.32	-174.46	2.02	-38.05
7	25	140	0.39	-0.22	-0.21	0.38	-7.00e-02	5.61	-274.08	-5.07	-263.41	53.59
7	25	143	-0.20	-0.26	-0.20	-0.26	5.77e-03	194.52	-28.98	188.89	-23.34	-35.04
7	26	47	-0.14	-0.24	-0.22	-0.16	-3.51e-02	-76.41	-201.68	-86.14	-191.95	33.54
7	26	49	-0.83	-1.32	-1.08	-1.07	-0.25	64.03	-211.94	0.46	-148.37	-116.20
7	26	94	-0.24	-0.93	-0.83	-0.34	-0.25	-46.33	-281.95	-82.81	-245.48	85.22
7	26	100	0.56	-1.30	-0.69	-5.87e-02	0.87	393.09	-159.91	388.07	-154.88	-52.47
7	26	101	-0.21	-0.80	-0.79	-0.22	7.74e-02	-13.54	-103.67	-27.54	-89.67	-32.65
7	26	102	0.25	-1.58	-1.57	0.24	0.11	162.05	-171.29	161.92	-171.16	6.71
7	26	136	5.35e-02	-0.14	-0.13	4.59e-02	3.74e-02	-9.17	-93.10	-92.44	-9.82	-7.40
7	26	137	0.10	-0.51	-0.51	9.99e-02	2.61e-02	130.07	-10.09	-7.78	127.76	-17.84
7	26	138	-0.23	-0.28	-0.28	-0.23	7.31e-03	-21.39	-52.08	-23.93	-49.54	-8.44
7	26	139	-0.27	-0.55	-0.46	-0.36	-0.13	-24.69	-205.10	-56.42	-173.37	-68.69
7	26	140	-8.34e-03	-0.42	-0.38	-4.04e-02	-0.11	91.11	-45.15	-42.06	88.02	20.27
7	26	143	-0.16	-0.27	-0.27	-0.16	1.13e-02	-5.80	-109.10	-7.22	-107.68	12.04
7	27	47	0.61	-0.52	0.38	-0.29	0.45	244.96	15.24	191.21	68.98	-97.25
7	27	49	4.24	1.14	2.25	3.13	-1.49	804.95	-364.04	-360.06	800.96	68.16
7	27	94	2.22	0.50	2.00	0.72	0.58	1085.14	93.49	734.54	444.10	-474.08
7	27	100	10.42	1.74	8.28	3.88	-3.73	1387.17	-83.34	248.36	1055.46	-614.61
7	27	101	1.35	0.42	1.23	0.54	-0.31	520.23	174.92	260.11	435.03	-148.86
7	27	102	4.19	-6.42e-02	4.16	-2.92e-02	-0.38	446.03	-84.72	101.00	260.32	-253.14
7	27	136	-0.84	-1.49	-0.86	-1.47	9.72e-02	-10.25	-598.25	-231.37	-377.13	284.82
7	27	137	-1.03	-1.34	-1.03	-1.33	-1.45e-02	-150.59	-1116.22	-422.89	-843.92	434.51
7	27	138	-0.23	-1.41	-0.54	-1.10	-0.52	503.95	165.06	357.03	311.98	-167.94
7	27	139	0.80	0.31	0.50	0.62	0.24	237.38	-248.82	-246.28	234.84	35.03
7	27	140	0.67	0.36	0.45	0.58	0.14	37.79	-541.82	28.86	-532.89	71.40
7	27	143	0.19	-0.13	0.19	-0.13	-2.56e-02	375.32	81.51	355.24	101.59	-74.14
7	28	47	0.91	-0.41	0.15	0.36	-0.65	-75.73	-335.79	-252.35	-159.16	121.39
7	28	49	-0.43	-2.98	-1.13	-2.28	1.14	315.75	-801.84	315.74	-801.82	4.63
7	28	94	0.22	-1.01	-0.62	-0.18	-0.57	-81.91	-1075.37	-683.20	-474.09	485.60
7	28	100	-1.27	-7.49	-6.26	-2.49	2.47	6.14	-1422.64	-429.53	-986.97	657.78
7	28	101	-0.36	-0.47	-0.39	-0.43	5.19e-02	-99.39	-498.24	-189.60	-408.02	166.87
7	28	102	0.44	-2.48	-2.47	0.44	9.70e-02	93.91	-367.60	-89.99	-183.71	225.95
7	28	136	1.38	0.78	0.95	1.21	-0.27	437.55	-16.52	143.52	277.51	-216.92
7	28	137	1.38	0.80	0.92	1.25	-0.24	959.91	204.00	422.91	741.00	-342.86
7	28	138	0.85	0.31	0.45	0.71	0.24	-127.92	-515.56	-326.85	-316.62	193.75
7	28	139	-0.19	-0.88	-0.33	-0.74	-0.28	145.75	-307.82	140.07	-302.14	-50.43
7	28	140	-4.72e-02	-0.78	-4.79e-02	-0.78	2.19e-02	559.25	-92.13	-89.43	556.54	-41.87
7	28	143	0.22	7.67e-04	9.86e-04	0.22	-6.86e-03	-120.48	-313.46	-278.29	-155.65	74.50
7	29	47	0.50	-0.76	0.17	-0.42	0.56	255.63	1.83	200.44	57.02	-104.70
7	29	49	4.01	0.49	1.71	2.79	-1.68	849.58	-393.56	-393.44	849.46	12.53
7	29	94	1.70	0.27	1.46	0.51	0.54	1144.72	54.14	789.04	409.82	-511.26
7	29	100	9.77	1.73	7.83	3.67	-3.44	1598.25	12.08	492.40	1117.93	-728.81

7	29	101	0.92	0.35	0.79	0.48	-0.24	569.10	148.55	264.80	452.85	-188.08
7	29	102	3.48	-6.24e-02	3.46	-3.79e-02	-0.29	468.42	-88.42	179.05	200.95	-278.21
7	29	136	-1.00	-1.65	-1.06	-1.59	0.19	-31.62	-652.32	-276.79	-407.15	303.43
7	29	137	-1.31	-1.50	-1.35	-1.46	7.95e-02	-180.13	-1184.40	-480.73	-883.80	459.92
7	29	138	-0.42	-1.38	-0.71	-1.09	-0.44	564.94	159.36	387.87	336.44	-201.15
7	29	139	0.71	0.18	0.31	0.59	0.23	243.91	-275.01	-274.59	243.49	14.73
7	29	140	0.72	0.22	0.22	0.71	6.11e-02	42.71	-591.35	32.17	-580.81	81.07
7	29	143	3.60e-02	-0.24	3.53e-02	-0.24	-1.40e-02	400.46	63.51	380.21	83.75	-80.08
7	30	47	0.64	-0.48	-7.03e-02	0.23	-0.54	-87.62	-326.62	-243.11	-171.12	113.95
7	30	49	-1.08	-3.21	-1.66	-2.63	0.95	284.86	-755.83	282.35	-753.33	-51.00
7	30	94	-5.03e-02	-1.49	-1.15	-0.39	-0.61	-116.08	-1020.97	-628.69	-508.36	448.43
7	30	100	-1.28	-8.13	-6.72	-2.70	2.77	102.28	-1212.27	-185.49	-924.50	543.58
7	30	101	-0.45	-0.88	-0.84	-0.49	0.13	-123.76	-451.35	-184.91	-390.20	127.65
7	30	102	0.44	-3.18	-3.17	0.43	0.19	104.24	-359.25	-11.94	-243.07	200.88
7	30	136	1.17	0.67	0.75	1.09	-0.18	384.71	-39.12	98.10	247.49	-198.32
7	30	137	1.17	0.57	0.60	1.13	-0.14	892.27	173.91	365.07	701.11	-317.45
7	30	138	0.88	0.12	0.28	0.72	0.31	-133.54	-454.64	-296.01	-292.17	160.54
7	30	139	-0.33	-0.96	-0.52	-0.78	-0.29	123.75	-305.49	111.76	-293.50	-70.73
7	30	140	-0.27	-0.65	-0.28	-0.64	-6.00e-02	510.36	-87.86	-86.12	508.62	-32.20
7	30	143	0.10	-0.15	-0.15	0.10	4.74e-03	-134.07	-292.75	-253.33	-173.49	68.56
7	31	47	0.61	-0.52	0.38	-0.29	0.45	252.72	32.99	192.60	93.11	-97.96
7	31	49	4.21	1.13	2.24	3.10	-1.48	807.33	-362.53	-358.04	802.85	72.32
7	31	94	2.21	0.50	1.98	0.72	0.57	1088.71	93.40	736.38	445.73	-475.96
7	31	100	10.01	1.50	7.84	3.68	-3.71	1383.59	-87.34	238.04	1058.21	-610.53
7	31	101	1.35	0.42	1.23	0.54	-0.31	521.62	177.06	260.86	437.81	-147.83
7	31	102	4.16	-6.01e-02	4.12	-2.59e-02	-0.38	446.06	-86.23	98.20	261.63	-253.29
7	31	136	-0.84	-1.49	-0.85	-1.48	0.10	-9.02	-599.04	-229.94	-378.12	285.56
7	31	137	-1.02	-1.34	-1.02	-1.33	-1.24e-02	-150.21	-1119.20	-420.43	-848.98	434.53
7	31	138	-0.24	-1.31	-0.54	-1.00	-0.48	503.50	166.53	357.26	312.77	-167.01
7	31	139	0.80	0.31	0.50	0.62	0.24	258.57	-248.48	-245.98	256.07	35.54
7	31	140	0.67	0.36	0.45	0.58	0.14	37.82	-543.01	29.00	-534.18	71.04
7	31	143	0.19	-0.13	0.19	-0.12	-2.55e-02	375.98	81.32	355.76	101.54	-74.50
7	32	47	0.91	-0.41	0.14	0.36	-0.65	-59.11	-326.88	-250.96	-135.04	120.69
7	32	49	-0.43	-3.02	-1.14	-2.31	1.15	317.82	-800.01	317.75	-799.94	8.79
7	32	94	0.22	-1.02	-0.63	-0.17	-0.57	-82.03	-1071.77	-681.35	-472.45	483.72
7	32	100	-1.49	-7.90	-6.71	-2.69	2.49	3.61	-1427.68	-439.85	-984.22	661.86
7	32	101	-0.36	-0.47	-0.40	-0.43	5.35e-02	-97.31	-496.79	-188.86	-405.24	167.90
7	32	102	0.44	-2.51	-2.51	0.44	0.10	92.61	-367.78	-92.78	-182.40	225.79
7	32	136	1.37	0.79	0.95	1.20	-0.26	436.71	-15.24	144.96	276.51	-216.19
7	32	137	1.38	0.81	0.94	1.25	-0.24	957.02	204.29	425.37	735.94	-342.84
7	32	138	0.95	0.31	0.46	0.80	0.27	-126.48	-515.99	-326.63	-315.84	194.68
7	32	139	-0.19	-0.88	-0.33	-0.74	-0.27	146.21	-286.75	140.37	-280.92	-49.92
7	32	140	-4.71e-02	-0.77	-4.76e-02	-0.77	2.04e-02	558.00	-92.05	-89.29	555.25	-42.23
7	32	143	0.22	-5.09e-04	-3.00e-04	0.22	-6.75e-03	-120.70	-312.77	-277.78	-155.70	74.14
7	33	47	0.50	-0.76	0.17	-0.43	0.56	249.08	-17.13	199.05	32.90	-103.99
7	33	49	4.04	0.50	1.73	2.81	-1.69	847.62	-395.51	-395.45	847.57	8.38
7	33	94	1.71	0.26	1.48	0.50	0.54	1141.18	54.20	787.20	408.18	-509.38
7	33	100	10.17	1.97	8.27	3.87	-3.46	1603.25	14.66	502.72	1115.18	-732.89
7	33	101	0.92	0.35	0.79	0.48	-0.24	567.82	146.31	264.06	450.07	-189.12
7	33	102	3.52	-6.65e-02	3.50	-4.13e-02	-0.30	468.94	-87.46	181.84	199.64	-278.05
7	33	136	-1.01	-1.64	-1.06	-1.58	0.18	-32.81	-651.57	-278.23	-406.15	302.70
7	33	137	-1.32	-1.50	-1.37	-1.46	7.74e-02	-180.36	-1181.58	-483.19	-878.75	459.89
7	33	138	-0.41	-1.48	-0.71	-1.18	-0.48	565.40	157.90	387.64	335.65	-202.08
7	33	139	0.71	0.18	0.31	0.58	0.23	222.67	-275.30	-274.89	222.26	14.22

7	33	140	0.71	0.21	0.22	0.71	6.26e-02	42.69	-590.18	32.03	-579.52	81.44
7	33	143	3.73e-02	-0.24	3.66e-02	-0.24	-1.41e-02	399.80	63.69	379.69	83.81	-79.72
7	34	47	0.64	-0.48	-6.77e-02	0.23	-0.54	-102.61	-337.15	-244.51	-195.25	114.65
7	34	49	-1.07	-3.18	-1.65	-2.60	0.94	283.27	-758.14	280.34	-755.21	-55.16
7	34	94	-5.35e-02	-1.48	-1.14	-0.39	-0.61	-115.94	-1024.59	-630.53	-510.00	450.31
7	34	100	-1.05	-7.72	-6.27	-2.50	2.75	106.41	-1208.83	-175.17	-927.25	539.50
7	34	101	-0.45	-0.87	-0.83	-0.49	0.13	-125.69	-452.95	-185.66	-392.98	126.61
7	34	102	0.43	-3.14	-3.14	0.42	0.18	106.15	-359.68	-9.15	-244.38	201.03
7	34	136	1.17	0.67	0.74	1.09	-0.18	385.61	-40.46	96.66	248.49	-199.05
7	34	137	1.17	0.55	0.59	1.13	-0.15	895.37	173.42	362.61	706.17	-317.48
7	34	138	0.77	0.13	0.28	0.62	0.27	-134.99	-454.21	-296.24	-292.96	159.61
7	34	139	-0.33	-0.96	-0.52	-0.78	-0.29	123.05	-326.32	111.46	-314.73	-71.24
7	34	140	-0.27	-0.66	-0.28	-0.65	-5.84e-02	511.61	-87.95	-86.26	509.91	-31.83
7	34	143	0.10	-0.15	-0.15	0.10	4.63e-03	-133.85	-293.43	-253.85	-173.43	68.92
7	35	47	0.60	-0.54	0.35	-0.30	0.47	268.24	27.66	205.89	90.01	-105.41
7	35	49	4.26	1.26	2.32	3.20	-1.43	829.90	-368.97	-361.06	821.99	97.09
7	35	94	2.26	0.50	2.03	0.73	0.59	1148.77	99.23	760.43	487.57	-506.73
7	35	100	10.45	1.78	8.31	3.92	-3.74	1387.87	-111.43	191.10	1085.33	-601.72
7	35	101	1.40	0.45	1.29	0.56	-0.30	536.37	189.05	270.16	455.26	-146.94
7	35	102	4.28	-6.58e-02	4.25	-3.07e-02	-0.39	467.82	-95.77	78.86	293.19	-260.62
7	35	136	-0.85	-1.54	-0.87	-1.52	0.11	1.39	-616.40	-226.19	-388.81	298.01
7	35	137	-0.99	-1.38	-0.99	-1.38	2.05e-02	-151.93	-1147.88	-419.06	-880.75	441.23
7	35	138	-0.22	-1.38	-0.53	-1.08	-0.51	511.66	176.65	365.33	322.97	-166.16
7	35	139	0.89	0.34	0.55	0.69	0.27	262.34	-253.51	-249.84	258.67	43.36
7	35	140	0.71	0.39	0.49	0.61	0.15	39.43	-581.95	31.37	-573.89	70.30
7	35	143	0.20	-0.12	0.20	-0.12	-2.54e-02	387.68	91.18	365.33	113.53	-78.28
7	36	47	0.94	-0.41	0.18	0.36	-0.67	-86.97	-360.25	-267.04	-180.18	129.56
7	36	49	-0.55	-3.00	-1.20	-2.35	1.08	317.26	-823.37	316.74	-822.85	-24.30
7	36	94	0.21	-1.04	-0.65	-0.19	-0.58	-86.30	-1140.35	-709.09	-517.56	518.25
7	36	100	-1.30	-7.52	-6.29	-2.53	2.48	26.38	-1415.49	-372.28	-1016.84	644.89
7	36	101	-0.41	-0.49	-0.45	-0.45	3.64e-02	-113.27	-514.63	-199.65	-428.25	164.95
7	36	102	0.44	-2.57	-2.56	0.44	0.10	102.78	-387.21	-67.85	-216.58	233.43
7	36	136	1.43	0.80	0.97	1.26	-0.28	455.92	-28.38	138.35	289.19	-230.10
7	36	137	1.43	0.75	0.88	1.30	-0.27	991.37	205.53	419.08	777.82	-349.59
7	36	138	0.82	0.30	0.44	0.69	0.23	-139.38	-523.39	-335.16	-327.61	191.97
7	36	139	-0.22	-0.97	-0.38	-0.82	-0.30	150.87	-333.21	143.63	-325.97	-58.76
7	36	140	-8.72e-02	-0.80	-8.75e-02	-0.80	1.64e-02	599.95	-94.35	-91.94	597.55	-40.76
7	36	143	0.21	-1.12e-02	-1.10e-02	0.21	-7.01e-03	-128.82	-327.14	-288.38	-167.58	78.64
7	37	47	0.50	-0.79	0.14	-0.43	0.58	278.63	14.54	215.13	78.04	-112.86
7	37	49	4.03	0.61	1.79	2.85	-1.62	871.84	-395.80	-394.44	870.48	41.46
7	37	94	1.74	0.27	1.49	0.52	0.55	1207.29	60.94	814.94	453.29	-543.90
7	37	100	9.80	1.77	7.86	3.71	-3.44	1591.17	-8.22	435.15	1147.80	-715.92
7	37	101	0.95	0.39	0.85	0.50	-0.22	584.87	163.07	274.85	473.08	-186.16
7	37	102	3.57	-6.41e-02	3.55	-3.94e-02	-0.30	483.64	-92.90	156.91	233.82	-285.69
7	37	136	-1.01	-1.70	-1.08	-1.64	0.20	-20.17	-670.28	-271.62	-418.83	316.61
7	37	137	-1.26	-1.55	-1.31	-1.50	0.11	-182.07	-1215.47	-476.91	-920.63	466.64
7	37	138	-0.41	-1.35	-0.69	-1.07	-0.43	572.65	170.94	396.17	347.42	-199.37
7	37	139	0.80	0.21	0.36	0.66	0.26	268.29	-279.12	-278.14	267.31	23.06
7	37	140	0.75	0.25	0.26	0.74	6.66e-02	44.29	-631.42	34.69	-621.82	79.97
7	37	143	4.80e-02	-0.24	4.73e-02	-0.24	-1.38e-02	412.67	73.31	390.29	95.69	-84.22
7	38	47	0.67	-0.48	-4.19e-02	0.23	-0.56	-98.53	-351.42	-257.80	-192.15	122.11
7	38	49	-1.20	-3.23	-1.74	-2.69	0.89	289.36	-780.36	283.35	-774.36	-79.93
7	38	94	-5.69e-02	-1.53	-1.19	-0.40	-0.62	-119.40	-1087.02	-654.59	-551.84	481.07
7	38	100	-1.32	-8.17	-6.75	-2.74	2.78	131.20	-1213.81	-128.23	-954.37	530.69
7	38	101	-0.48	-0.92	-0.89	-0.51	0.11	-137.12	-468.27	-194.96	-410.43	125.73
7	38	102	0.44	-3.27	-3.26	0.43	0.19	119.88	-385.63	10.19	-275.94	208.36

7	38	136	1.22	0.68	0.76	1.14	-0.19	403.30	-51.20	92.92	259.18	-211.50
7	38	137	1.22	0.52	0.56	1.18	-0.18	924.52	174.66	361.24	737.94	-324.18
7	38	138	0.85	0.12	0.27	0.70	0.30	-144.98	-462.50	-304.32	-303.16	158.76
7	38	139	-0.36	-1.05	-0.57	-0.85	-0.31	129.32	-331.32	115.32	-317.33	-79.06
7	38	140	-0.31	-0.68	-0.32	-0.67	-6.54e-02	551.14	-90.15	-88.63	549.62	-31.10
7	38	143	9.75e-02	-0.17	-0.17	9.74e-02	4.59e-03	-141.92	-306.92	-263.41	-185.42	72.70
7	39	47	0.60	-0.54	0.35	-0.30	0.47	276.60	44.82	207.28	114.13	-106.12
7	39	49	4.23	1.26	2.31	3.17	-1.42	832.48	-367.64	-359.04	823.87	101.25
7	39	94	2.24	0.51	2.02	0.73	0.58	1152.35	99.12	762.28	489.20	-508.61
7	39	100	10.05	1.54	7.87	3.72	-3.72	1384.74	-115.88	180.78	1088.08	-597.64
7	39	101	1.39	0.45	1.29	0.56	-0.30	537.81	191.15	270.91	458.04	-145.91
7	39	102	4.24	-6.17e-02	4.21	-2.74e-02	-0.38	468.01	-97.44	76.07	294.50	-260.78
7	39	136	-0.85	-1.55	-0.87	-1.53	0.12	2.64	-617.21	-224.76	-389.81	298.74
7	39	137	-0.98	-1.38	-0.98	-1.38	2.26e-02	-151.45	-1150.95	-416.61	-885.80	441.26
7	39	138	-0.23	-1.28	-0.52	-0.98	-0.47	511.20	178.11	365.56	323.76	-165.23
7	39	139	0.90	0.34	0.55	0.69	0.27	283.51	-253.15	-249.54	279.90	43.87
7	39	140	0.71	0.39	0.49	0.61	0.15	39.47	-583.15	31.51	-575.19	69.94
7	39	143	0.20	-0.12	0.20	-0.12	-2.53e-02	388.34	90.98	365.84	113.48	-78.64
7	40	47	0.94	-0.41	0.17	0.36	-0.67	-70.83	-350.87	-265.64	-156.06	128.85
7	40	49	-0.56	-3.03	-1.22	-2.37	1.10	319.11	-821.32	318.75	-820.97	-20.14
7	40	94	0.21	-1.05	-0.66	-0.18	-0.58	-86.43	-1136.74	-707.25	-515.92	516.37
7	40	100	-1.53	-7.94	-6.74	-2.73	2.50	23.36	-1420.06	-382.60	-1014.09	648.97
7	40	101	-0.41	-0.49	-0.45	-0.45	3.81e-02	-111.23	-513.15	-198.91	-425.47	165.98
7	40	102	0.44	-2.60	-2.60	0.44	0.11	101.27	-387.18	-70.65	-215.27	233.28
7	40	136	1.42	0.80	0.97	1.25	-0.28	455.06	-27.09	139.78	288.20	-229.37
7	40	137	1.43	0.76	0.90	1.30	-0.27	988.35	205.96	421.54	772.77	-349.56
7	40	138	0.93	0.30	0.44	0.78	0.26	-137.93	-523.82	-334.93	-326.83	192.90
7	40	139	-0.22	-0.97	-0.38	-0.81	-0.30	151.37	-312.18	143.93	-304.74	-58.25
7	40	140	-8.70e-02	-0.80	-8.73e-02	-0.80	1.49e-02	598.70	-94.26	-91.81	596.25	-41.13
7	40	143	0.21	-1.25e-02	-1.23e-02	0.21	-6.90e-03	-129.05	-326.45	-287.86	-167.63	78.28
7	41	47	0.50	-0.79	0.14	-0.43	0.58	271.54	-3.88	213.73	53.92	-112.15
7	41	49	4.06	0.62	1.80	2.88	-1.63	869.70	-397.56	-396.46	868.60	37.30
7	41	94	1.75	0.27	1.51	0.51	0.55	1203.73	61.02	813.10	451.65	-542.02
7	41	100	10.21	2.01	8.30	3.91	-3.46	1595.74	-5.21	445.47	1145.06	-720.00
7	41	101	0.96	0.39	0.85	0.50	-0.22	583.55	160.86	274.11	470.30	-187.20
7	41	102	3.61	-6.82e-02	3.59	-4.28e-02	-0.30	483.96	-91.74	159.70	232.51	-285.54
7	41	136	-1.02	-1.70	-1.08	-1.63	0.20	-21.38	-669.51	-273.05	-417.84	315.88
7	41	137	-1.27	-1.55	-1.33	-1.50	0.11	-182.39	-1212.54	-479.36	-915.57	466.62
7	41	138	-0.41	-1.46	-0.70	-1.16	-0.47	573.11	169.48	395.94	346.64	-200.30
7	41	139	0.80	0.21	0.36	0.65	0.26	247.06	-279.41	-278.45	246.09	22.55
7	41	140	0.74	0.25	0.26	0.73	6.81e-02	44.26	-630.23	34.55	-620.52	80.34
7	41	143	4.92e-02	-0.24	4.86e-02	-0.24	-1.39e-02	412.01	73.51	389.77	95.74	-83.86
7	42	47	0.67	-0.48	-3.93e-02	0.23	-0.56	-113.05	-362.41	-259.19	-216.27	122.82
7	42	49	-1.19	-3.20	-1.72	-2.67	0.88	287.98	-782.89	281.34	-776.24	-84.09
7	42	94	-6.02e-02	-1.52	-1.17	-0.40	-0.62	-119.26	-1090.64	-656.43	-553.47	482.95
7	42	100	-1.09	-7.76	-6.30	-2.54	2.75	135.82	-1210.85	-117.91	-957.12	526.61
7	42	101	-0.48	-0.92	-0.89	-0.51	0.11	-139.01	-469.91	-195.71	-413.21	124.69
7	42	102	0.43	-3.23	-3.23	0.42	0.19	121.91	-386.18	12.99	-277.26	208.52
7	42	136	1.23	0.68	0.76	1.14	-0.20	404.21	-52.55	91.49	260.17	-212.23
7	42	137	1.22	0.50	0.55	1.18	-0.18	927.74	174.04	358.78	742.99	-324.21
7	42	138	0.75	0.12	0.26	0.60	0.26	-146.42	-462.07	-304.54	-303.94	157.82
7	42	139	-0.36	-1.05	-0.57	-0.85	-0.32	128.57	-352.11	115.02	-338.55	-79.57
7	42	140	-0.31	-0.69	-0.32	-0.68	-6.39e-02	552.39	-90.24	-88.77	550.92	-30.73
7	42	143	9.59e-02	-0.16	-0.16	9.58e-02	4.48e-03	-141.70	-307.60	-263.93	-185.37	73.06

7	43	47	0.48	5.06e-02	0.47	5.93e-02	-6.04e-02	17.27	-10.66	14.80	-8.19	-7.94
7	43	49	1.70	1.04	1.40	1.34	-0.33	181.72	-106.48	-75.18	150.42	89.67
7	43	94	1.47	0.51	1.44	0.55	0.17	215.55	56.74	149.94	122.35	-78.20
7	43	100	4.14	0.59	3.10	1.62	-1.61	228.99	-213.34	-210.40	226.05	-35.95
7	43	101	1.04	0.15	0.97	0.22	-0.24	100.06	84.09	84.94	99.21	3.59
7	43	102	2.23	0.12	2.20	0.15	-0.27	153.04	-49.14	-35.84	139.74	-50.13
7	43	136	3.26e-02	-0.39	-3.48e-04	-0.35	-0.11	5.42	-159.88	-51.25	-103.20	78.46
7	43	137	7.24e-02	-0.35	-2.30e-02	-0.25	-0.18	10.28	-270.77	-53.10	-207.39	117.45
7	43	138	0.13	-0.57	-2.66e-02	-0.42	-0.29	71.65	52.01	71.22	52.44	-2.86
7	43	139	0.35	0.11	0.34	0.12	5.07e-02	26.73	-79.45	-75.90	23.18	19.08
7	43	140	0.50	-9.22e-02	0.45	-4.30e-02	0.16	-12.44	-84.91	-18.66	-78.69	20.31
7	43	143	0.25	9.20e-02	0.24	9.71e-02	-2.77e-02	95.58	16.06	93.50	18.14	-12.69
7	44	47	0.65	-2.18e-02	0.41	0.21	-0.32	-30.30	-122.82	-90.68	-62.44	44.06
7	44	49	0.72	-7.18e-02	0.60	5.68e-02	0.29	102.23	-247.39	85.54	-230.70	74.54
7	44	94	0.84	0.32	0.82	0.34	-0.10	15.20	-298.36	-187.18	-95.97	150.00
7	44	100	0.14	-0.39	-0.35	0.10	-0.14	-43.14	-587.90	-371.42	-259.62	266.58
7	44	101	0.62	-4.33e-02	0.59	-8.35e-03	-0.15	26.42	-149.70	-22.01	-101.26	78.64
7	44	102	0.68	0.20	0.62	0.26	-0.16	62.47	-109.58	-81.27	34.17	63.79
7	44	136	0.57	0.14	0.43	0.28	-0.20	86.66	3.67	37.89	52.45	-40.85
7	44	137	0.64	0.17	0.44	0.37	-0.23	227.00	90.51	148.02	169.49	-67.40
7	44	138	0.26	-3.61e-02	0.21	1.40e-02	-0.11	-11.03	-177.40	-91.40	-97.04	83.13
7	44	139	0.16	-0.21	0.14	-0.20	-7.12e-02	15.97	-104.52	15.96	-104.51	-1.24
7	44	140	0.36	-0.39	0.33	-0.36	0.13	180.55	-46.98	-46.79	180.36	-6.62
7	44	143	0.21	0.16	0.20	0.18	-2.34e-02	-26.36	-73.81	-57.15	-43.02	22.65
7	45	47	5.49e-02	-0.44	-0.10	-0.28	0.23	47.37	-48.30	38.77	-39.70	-27.36
7	45	49	1.08	-0.64	-9.21e-03	0.45	-0.83	285.66	-170.57	-163.24	278.33	-57.37
7	45	94	7.79e-02	-5.85e-02	2.66e-02	-7.27e-03	6.61e-02	381.29	-56.55	293.03	31.71	-175.65
7	45	100	2.43	0.57	1.92	1.08	-0.83	750.75	74.11	434.29	390.58	-337.61
7	45	101	6.19e-02	-0.20	-0.19	5.61e-02	-3.83e-02	224.46	18.85	97.21	146.10	-99.85
7	45	102	0.37	0.13	0.37	0.13	-3.78e-02	225.81	-72.40	170.33	-16.92	-116.05
7	45	136	-0.47	-0.74	-0.54	-0.66	0.12	-49.15	-304.10	-171.16	-182.09	127.36
7	45	137	-0.55	-0.88	-0.87	-0.57	6.94e-02	-67.09	-451.05	-205.85	-312.30	184.45
7	45	138	-0.33	-0.53	-0.47	-0.39	-9.76e-02	226.90	42.36	152.41	116.85	-90.54
7	45	139	4.23e-02	-0.16	-0.16	3.96e-02	2.31e-02	51.73	-156.35	-150.48	45.85	-34.46
7	45	140	0.31	-0.16	-0.16	0.30	-5.16e-02	-0.19	-214.90	-10.47	-204.63	45.83
7	45	143	-0.16	-0.20	-0.16	-0.20	2.56e-03	163.21	-33.02	159.06	-28.87	-28.23
7	46	47	-0.11	-0.18	-0.16	-0.13	-3.12e-02	-52.18	-108.48	-66.70	-93.95	24.63
7	46	49	-0.62	-1.03	-0.81	-0.84	-0.21	35.50	-140.80	-2.52	-102.79	-72.51
7	46	94	-0.13	-0.68	-0.59	-0.22	-0.21	-26.81	-203.90	-44.09	-186.62	52.54
7	46	100	-0.14	-1.84	-1.54	-0.44	0.65	276.58	-98.40	273.27	-95.09	-35.08
7	46	101	-0.17	-0.58	-0.58	-0.17	4.88e-02	1.30	-65.43	-9.74	-54.38	-24.80
7	46	102	0.25	-1.22	-1.21	0.24	7.62e-02	124.91	-122.51	124.89	-122.49	-2.13
7	46	136	-1.59e-02	-0.12	-0.11	-2.66e-02	3.17e-02	-25.29	-83.16	-82.02	-26.43	8.05
7	46	137	4.91e-02	-0.41	-0.40	4.85e-02	1.64e-02	64.59	-4.73	-4.72	64.58	-0.40
7	46	138	5.93e-02	-0.25	-0.23	3.64e-02	8.15e-02	-9.32	-33.51	-10.21	-32.63	-4.54
7	46	139	-0.21	-0.42	-0.36	-0.28	-9.88e-02	-14.22	-126.23	-58.62	-81.83	-54.78
7	46	140	1.13e-03	-0.30	-0.27	-2.22e-02	-8.00e-02	58.11	-42.29	-38.60	54.42	18.90
7	46	143	-0.12	-0.21	-0.21	-0.12	6.84e-03	8.92	-90.55	8.41	-90.04	7.11
7	47	47	0.47	5.09e-02	0.46	5.86e-02	-5.62e-02	22.14	-7.04	18.29	-3.19	-9.88
7	47	49	1.71	1.07	1.42	1.36	-0.32	190.48	-110.48	-75.42	155.42	96.55
7	47	94	1.48	0.52	1.44	0.55	0.17	231.15	57.64	156.10	132.69	-85.96
7	47	100	4.14	0.59	3.11	1.63	-1.61	235.50	-226.39	-224.04	233.15	-32.88
7	47	101	1.05	0.16	0.99	0.23	-0.23	104.96	86.41	87.34	104.03	4.04
7	47	102	2.25	0.12	2.22	0.15	-0.27	160.89	-54.45	-41.11	147.55	-51.91
7	47	136	2.62e-02	-0.40	-4.27e-03	-0.37	-0.11	8.26	-164.26	-50.02	-105.98	81.59
7	47	137	7.09e-02	-0.34	-1.35e-02	-0.26	-0.17	10.38	-278.72	-52.19	-216.15	119.05
7	47	138	0.13	-0.56	-2.27e-02	-0.41	-0.29	73.52	54.73	73.20	55.05	-2.44
7	47	139	0.36	0.13	0.35	0.14	5.75e-02	32.89	-80.79	-76.74	28.84	21.06
7	47	140	0.51	-8.59e-02	0.46	-3.63e-02	0.16	-12.76	-93.75	-18.07	-88.44	20.05
7	47	143	0.25	9.32e-02	0.25	9.82e-02	-2.76e-02	98.32	18.56	95.90	20.98	-13.68
7	48	47	0.66	-2.31e-02	0.42	0.22	-0.32	-32.91	-128.70	-94.17	-67.44	46.00
7	48	49	0.70	-7.81e-02	0.58	4.09e-02	0.28	99.44	-249.36	85.78	-235.70	67.66
7	48	94	0.83	0.31	0.81	0.34	-0.10	13.83	-313.48	-193.34	-106.31	157.76
7	48	100	0.13	-0.40	-0.36	9.22e-02	-0.13	-44.83	-579.67	-357.78	-266.72	263.52
7	48	101	0.61	-5.06e-02	0.57	-1.35e-02	-0.15	22.96	-153.44	-24.40	-106.08	78.18
7	48	102	0.66	0.20	0.60	0.26	-0.16	58.35	-108.00	-76.00	26.35	65.57
7	48	136	0.58	0.15	0.43	0.29	-0.20	90.90	0.99	36.66	55.23	-43.98
7	48	137	0.64	0.17	0.43	0.38	-0.24	233.41	91.95	147.11	178.24	-69.00
7	48	138	0.26	-4.26e-02	0.21	9.14e-03	-0.11	-13.74	-179.28	-93.37	-99.65	82.71

7	48	139	0.15	-0.23	0.13	-0.22	-7.80e-02	16.89	-110.26	16.81	-110.17	-3.22
7	48	140	0.35	-0.40	0.32	-0.37	0.13	190.28	-47.56	-47.39	190.11	-6.36
7	48	143	0.21	0.16	0.20	0.18	-2.34e-02	-28.10	-77.31	-59.54	-45.86	23.63
7	49	47	5.42e-02	-0.44	-0.11	-0.28	0.23	52.15	-44.58	42.26	-34.70	-29.30
7	49	49	1.08	-0.61	8.17e-03	0.46	-0.82	288.97	-169.12	-163.48	283.33	-50.49
7	49	94	8.61e-02	-5.66e-02	3.46e-02	-5.16e-03	6.85e-02	394.61	-53.38	299.19	42.04	-183.42
7	49	100	2.44	0.58	1.93	1.09	-0.83	743.91	74.42	420.65	397.68	-334.55
7	49	101	6.62e-02	-0.18	-0.18	6.13e-02	-3.46e-02	227.91	22.60	99.60	150.91	-99.40
7	49	102	0.39	0.13	0.39	0.13	-3.88e-02	224.49	-68.54	165.06	-9.10	-117.83
7	49	136	-0.47	-0.75	-0.54	-0.68	0.12	-46.69	-308.10	-169.93	-184.87	130.49
7	49	137	-0.56	-0.88	-0.86	-0.58	7.78e-02	-68.09	-457.89	-204.93	-321.05	186.05
7	49	138	-0.32	-0.53	-0.46	-0.39	-9.51e-02	228.71	45.13	154.39	119.46	-90.11
7	49	139	6.07e-02	-0.15	-0.15	5.64e-02	2.99e-02	56.59	-156.40	-151.32	51.52	-32.48
7	49	140	0.31	-0.15	-0.15	0.31	-5.03e-02	-0.18	-224.07	-9.87	-214.38	45.57
7	49	143	-0.16	-0.20	-0.16	-0.20	2.60e-03	165.90	-30.48	161.46	-26.03	-29.21
7	50	47	-0.10	-0.17	-0.15	-0.13	-3.55e-02	-54.36	-114.79	-70.20	-98.95	26.57
7	50	49	-0.62	-1.06	-0.83	-0.86	-0.22	40.28	-150.35	-2.28	-107.79	-79.39
7	50	94	-0.13	-0.69	-0.60	-0.22	-0.21	-28.64	-218.57	-50.25	-196.96	60.31
7	50	100	-0.15	-1.85	-1.55	-0.45	0.65	290.61	-105.89	286.91	-102.19	-38.15
7	50	101	-0.17	-0.60	-0.59	-0.18	4.51e-02	-1.14	-70.19	-12.13	-59.20	-25.26
7	50	102	0.25	-1.24	-1.23	0.24	7.73e-02	130.17	-130.31	130.17	-130.31	-0.35
7	50	136	-6.70e-03	-0.11	-0.11	-1.47e-02	2.82e-02	-23.25	-83.66	-83.25	-23.66	4.91
7	50	137	5.87e-02	-0.41	-0.41	5.85e-02	8.10e-03	73.39	-5.69	-5.64	73.34	-2.00
7	50	138	5.33e-02	-0.26	-0.23	3.16e-02	7.91e-02	-11.16	-36.26	-12.18	-35.24	-4.97
7	50	139	-0.22	-0.44	-0.37	-0.30	-0.11	-13.96	-131.32	-57.77	-87.50	-56.77
7	50	140	-5.08e-03	-0.31	-0.28	-2.89e-02	-8.13e-02	67.61	-42.63	-39.19	64.17	19.16
7	50	143	-0.12	-0.21	-0.21	-0.12	6.81e-03	6.67	-93.53	6.01	-92.87	8.10
7	51	47	0.47	5.46e-02	0.46	6.26e-02	-5.70e-02	57.67	16.09	18.58	55.18	-9.87
7	51	49	1.62	1.01	1.36	1.28	-0.30	193.88	-108.29	-69.87	155.46	100.67
7	51	94	1.43	0.53	1.39	0.56	0.16	225.40	56.32	155.02	126.69	-83.35
7	51	100	3.13	-8.31e-02	1.95	1.10	-1.55	234.77	-239.00	-237.66	233.43	-25.16
7	51	101	1.03	0.15	0.96	0.21	-0.23	108.49	85.09	86.93	106.65	6.30
7	51	102	2.13	0.13	2.10	0.16	-0.26	156.03	-56.06	-43.22	143.19	-50.59
7	51	136	3.26e-02	-0.39	5.82e-03	-0.37	-0.10	8.89	-162.31	-47.47	-105.94	80.46
7	51	137	9.46e-02	-0.33	1.13e-02	-0.25	-0.17	12.56	-280.11	-46.62	-220.93	117.55
7	51	138	0.12	-0.30	-1.59e-02	-0.17	-0.19	71.90	54.56	71.89	54.57	-0.41
7	51	139	0.35	0.11	0.34	0.13	5.32e-02	81.71	-77.79	-75.13	79.05	20.42
7	51	140	0.50	-7.79e-02	0.45	-3.01e-02	0.16	-12.83	-87.64	-18.22	-82.25	19.35
7	51	143	0.24	9.59e-02	0.24	0.10	-2.74e-02	97.30	15.64	94.94	17.99	-13.67
7	52	47	0.64	-1.91e-02	0.41	0.22	-0.32	17.86	-103.83	-86.89	0.92	42.12
7	52	49	0.70	-0.15	0.56	-7.47e-03	0.32	112.49	-247.30	90.85	-225.67	85.54
7	52	94	0.80	0.33	0.78	0.35	-0.11	14.89	-288.61	-182.10	-91.63	144.85
7	52	100	-0.41	-1.51	-1.51	-0.42	-7.37e-02	-38.59	-612.33	-398.67	-252.24	277.37
7	52	101	0.61	-5.09e-02	0.58	-1.79e-02	-0.14	32.40	-146.25	-20.02	-93.83	81.35
7	52	102	0.59	0.21	0.52	0.27	-0.14	63.90	-114.94	-88.65	37.62	63.32
7	52	136	0.56	0.14	0.44	0.27	-0.19	84.75	6.63	41.66	49.71	-38.85
7	52	137	0.65	0.19	0.48	0.36	-0.22	222.53	87.92	154.50	155.95	-67.30
7	52	138	0.27	0.22	0.22	0.26	-1.55e-02	-7.20	-178.43	-90.73	-94.90	85.59
7	52	139	0.15	-0.21	0.14	-0.20	-6.86e-02	16.73	-48.64	16.73	-48.64	9.46e-02
7	52	140	0.35	-0.38	0.33	-0.35	0.13	177.06	-46.60	-46.34	176.80	-7.59
7	52	143	0.21	0.16	0.19	0.18	-2.31e-02	-26.88	-72.00	-55.71	-43.18	21.67
7	53	47	5.59e-02	-0.43	-9.34e-02	-0.28	0.23	39.52	-107.60	34.98	-103.06	-25.43
7	53	49	1.16	-0.62	3.17e-02	0.51	-0.86	283.63	-178.89	-168.55	273.30	-68.37
7	53	94	0.11	-6.30e-02	6.78e-02	-2.15e-02	7.37e-02	372.24	-56.94	287.94	27.36	-170.51
7	53	100	3.49	1.18	3.07	1.60	-0.89	772.97	71.78	461.54	383.20	-348.40
7	53	101	7.29e-02	-0.19	-0.18	6.57e-02	-4.29e-02	221.78	12.10	95.23	138.66	-102.56
7	53	102	0.47	0.12	0.47	0.12	-5.43e-02	230.88	-73.54	177.71	-20.37	-115.59
7	53	136	-0.48	-0.72	-0.55	-0.65	0.11	-51.76	-302.53	-174.93	-179.35	125.36
7	53	137	-0.55	-0.92	-0.90	-0.57	6.35e-02	-66.19	-444.89	-212.32	-298.76	184.35
7	53	138	-0.35	-0.77	-0.48	-0.64	-0.19	228.04	38.41	151.74	114.71	-92.99
7	53	139	3.88e-02	-0.16	-0.16	3.67e-02	2.05e-02	-1.47	-159.80	-151.24	-10.02	-35.80
7	53	140	0.29	-0.16	-0.16	0.29	-4.73e-02	-2.39e-02	-211.96	-10.92	-201.07	46.79
7	53	143	-0.16	-0.21	-0.16	-0.21	2.24e-03	161.52	-32.62	157.62	-28.72	-27.25
7	54	47	-0.10	-0.17	-0.15	-0.13	-3.47e-02	-63.01	-164.80	-70.49	-157.32	26.56

7	54	49	-0.54	-1.01	-0.77	-0.78	-0.24	39.50	-155.16	-7.83	-107.82	-83.51
7	54	94	-0.14	-0.64	-0.55	-0.23	-0.20	-28.67	-211.47	-49.18	-190.96	57.69
7	54	100	0.48	-0.78	-0.38	8.27e-02	0.59	305.68	-107.62	300.52	-102.46	-45.87
7	54	101	-0.16	-0.57	-0.57	-0.16	4.42e-02	0.43	-73.98	-11.72	-61.82	-27.51
7	54	102	0.24	-1.11	-1.11	0.23	5.96e-02	132.29	-125.95	132.28	-125.94	-1.67
7	54	136	-8.04e-03	-0.12	-0.12	-1.27e-02	2.24e-02	-23.11	-86.38	-85.80	-23.70	6.05
7	54	137	4.93e-02	-0.44	-0.44	4.90e-02	1.06e-02	78.12	-11.20	-11.20	78.12	-0.50
7	54	138	-0.21	-0.25	-0.24	-0.21	-1.40e-02	-8.98	-36.66	-10.88	-34.76	-6.99
7	54	139	-0.21	-0.43	-0.36	-0.29	-0.10	-30.11	-166.98	-59.38	-137.71	-56.12
7	54	140	-1.31e-02	-0.30	-0.27	-3.51e-02	-7.57e-02	61.89	-42.95	-39.04	57.98	19.86
7	54	143	-0.12	-0.20	-0.20	-0.13	6.52e-03	7.64	-90.56	6.97	-89.88	8.09
7	55	47	0.46	5.49e-02	0.45	6.19e-02	-5.27e-02	63.54	18.71	22.07	60.18	-11.81
7	55	49	1.63	1.04	1.38	1.30	-0.29	202.83	-112.49	-70.11	160.46	107.55
7	55	94	1.43	0.53	1.40	0.56	0.17	241.01	57.20	161.18	137.03	-91.11
7	55	100	3.14	-7.51e-02	1.96	1.11	-1.55	241.52	-252.28	-251.29	240.53	-22.10
7	55	101	1.04	0.15	0.98	0.22	-0.23	113.37	87.42	89.32	111.47	6.75
7	55	102	2.15	0.13	2.12	0.16	-0.26	163.91	-61.40	-48.49	151.00	-52.37
7	55	136	2.65e-02	-0.40	1.90e-03	-0.38	-0.10	11.76	-166.72	-46.24	-108.72	83.59
7	55	137	9.41e-02	-0.33	2.08e-02	-0.26	-0.16	12.83	-288.22	-45.71	-229.68	119.15
7	55	138	0.12	-0.29	-1.19e-02	-0.16	-0.19	73.87	57.19	73.87	57.19	1.47e-02
7	55	139	0.37	0.13	0.35	0.14	6.01e-02	87.78	-79.04	-75.98	84.72	22.40
7	55	140	0.51	-7.17e-02	0.46	-2.34e-02	0.16	-13.01	-96.61	-17.62	-92.00	19.08
7	55	143	0.25	9.71e-02	0.24	0.10	-2.73e-02	100.05	18.12	97.34	20.83	-14.66
7	56	47	0.65	-2.03e-02	0.41	0.22	-0.32	14.45	-108.91	-90.38	-4.08	44.07
7	56	49	0.68	-0.16	0.54	-2.33e-02	0.31	109.29	-248.86	91.09	-230.67	78.66
7	56	94	0.80	0.32	0.77	0.35	-0.11	13.48	-303.71	-188.25	-101.97	152.62
7	56	100	-0.42	-1.52	-1.51	-0.43	-7.26e-02	-40.78	-603.60	-385.04	-259.34	274.30
7	56	101	0.60	-5.81e-02	0.56	-2.31e-02	-0.15	28.89	-149.95	-22.42	-98.64	80.89
7	56	102	0.57	0.20	0.50	0.27	-0.14	59.47	-113.05	-83.38	29.80	65.10
7	56	136	0.57	0.15	0.44	0.28	-0.19	88.88	4.04	40.43	52.49	-41.99
7	56	137	0.66	0.19	0.47	0.37	-0.23	228.27	90.02	153.59	164.71	-68.90
7	56	138	0.26	0.21	0.22	0.26	-1.79e-02	-9.91	-180.30	-92.70	-97.51	85.16
7	56	139	0.15	-0.23	0.13	-0.21	-7.55e-02	17.62	-54.35	17.57	-54.30	-1.89
7	56	140	0.34	-0.38	0.32	-0.36	0.13	186.78	-47.17	-46.94	186.55	-7.32
7	56	143	0.21	0.16	0.19	0.18	-2.31e-02	-28.61	-75.51	-58.11	-46.01	22.65
7	57	47	5.50e-02	-0.44	-1.00e-01	-0.29	0.23	43.76	-103.35	38.48	-98.06	-27.37
7	57	49	1.17	-0.59	4.91e-02	0.53	-0.85	286.60	-177.10	-168.79	278.30	-61.49
7	57	94	0.12	-6.16e-02	7.58e-02	-1.94e-02	7.61e-02	385.48	-53.68	294.10	37.70	-178.27
7	57	100	3.50	1.19	3.08	1.61	-0.89	765.63	72.58	447.91	390.31	-345.33
7	57	101	7.71e-02	-0.17	-0.17	7.09e-02	-3.92e-02	225.19	15.90	97.62	143.47	-102.11
7	57	102	0.49	0.12	0.49	0.12	-5.54e-02	229.38	-69.49	172.44	-12.55	-117.37
7	57	136	-0.48	-0.73	-0.55	-0.66	0.11	-49.35	-306.48	-173.70	-182.13	128.50
7	57	137	-0.56	-0.91	-0.89	-0.58	7.19e-02	-67.40	-451.52	-211.41	-307.52	185.95
7	57	138	-0.35	-0.76	-0.47	-0.64	-0.19	229.86	41.19	153.72	117.33	-92.56
7	57	139	5.72e-02	-0.15	-0.15	5.35e-02	2.74e-02	3.02	-159.46	-152.09	-4.36	-33.81
7	57	140	0.30	-0.15	-0.15	0.29	-4.60e-02	-4.62e-02	-221.09	-10.32	-210.82	46.53
7	57	143	-0.16	-0.21	-0.16	-0.21	2.27e-03	164.21	-30.07	160.02	-25.88	-28.23
7	58	47	-9.59e-02	-0.17	-0.14	-0.13	-3.89e-02	-65.58	-170.72	-73.98	-162.32	28.50
7	58	49	-0.54	-1.04	-0.79	-0.79	-0.25	44.38	-164.79	-7.59	-112.82	-90.39
7	58	94	-0.14	-0.65	-0.56	-0.23	-0.20	-30.28	-226.35	-55.33	-201.30	65.45
7	58	100	0.47	-0.79	-0.39	7.25e-02	0.59	319.74	-115.14	314.16	-109.57	-48.93
7	58	101	-0.17	-0.58	-0.58	-0.17	4.05e-02	-2.01	-78.74	-14.12	-66.64	-27.97
7	58	102	0.24	-1.14	-1.13	0.23	6.07e-02	137.55	-133.76	137.55	-133.76	0.11
7	58	136	2.32e-03	-0.12	-0.11	-7.85e-04	1.89e-02	-20.79	-87.16	-87.03	-20.92	2.92
7	58	137	5.91e-02	-0.45	-0.45	5.91e-02	2.21e-03	86.92	-12.15	-12.11	86.88	-2.10
7	58	138	-0.21	-0.25	-0.25	-0.22	-1.64e-02	-10.78	-39.44	-12.85	-37.38	-7.42
7	58	139	-0.22	-0.45	-0.37	-0.30	-0.11	-29.02	-172.89	-58.54	-143.37	-58.10
7	58	140	-1.93e-02	-0.31	-0.28	-4.18e-02	-7.70e-02	71.38	-43.29	-39.64	67.73	20.12
7	58	143	-0.13	-0.21	-0.21	-0.13	6.48e-03	5.41	-93.56	4.58	-92.72	9.08
7	59	47	0.49	-0.40	0.33	-0.24	0.34	186.23	4.10	146.24	44.08	-75.39
7	59	49	3.47	0.90	1.84	2.53	-1.24	643.16	-296.84	-293.51	639.83	55.86
7	59	94	1.83	0.43	1.66	0.60	0.45	867.67	71.00	593.33	345.34	-378.54
7	59	100	8.49	1.43	6.72	3.19	-3.06	1117.62	-64.27	203.10	850.25	-494.48
7	59	101	1.12	0.33	1.02	0.43	-0.27	419.73	143.80	214.01	349.52	-120.18

7	59	102	3.43	-1.20e-02	3.40	1.87e-02	-0.32	363.18	-65.78	89.33	208.07	-206.10
7	59	136	-0.68	-1.21	-0.69	-1.21	6.98e-02	-13.08	-496.55	-197.21	-312.41	234.77
7	59	137	-0.86	-1.08	-0.86	-1.08	-2.79e-02	-116.92	-908.08	-341.20	-683.80	356.56
7	59	138	-0.20	-1.17	-0.46	-0.91	-0.43	404.73	134.00	289.36	249.37	-133.88
7	59	139	0.62	0.25	0.39	0.47	0.18	181.56	-210.65	-209.17	180.08	24.05
7	59	140	0.54	0.29	0.37	0.45	0.12	25.19	-433.17	17.02	-424.99	60.66
7	59	143	0.15	-0.10	0.15	-0.10	-2.21e-02	307.25	58.01	292.20	73.05	-59.36
7	60	47	0.74	-0.31	0.15	0.28	-0.52	-67.31	-274.80	-205.34	-136.77	97.91
7	60	49	-0.33	-2.26	-0.83	-1.76	0.85	242.26	-630.61	242.22	-630.57	5.42
7	60	94	0.23	-0.72	-0.39	-9.92e-02	-0.45	-67.19	-845.63	-530.41	-382.42	382.12
7	60	100	-0.95	-5.70	-4.80	-1.85	1.86	6.95	-1109.22	-333.63	-768.64	513.95
7	60	101	-0.26	-0.34	-0.27	-0.33	2.21e-02	-73.56	-387.67	-142.49	-318.75	130.00
7	60	102	0.39	-1.86	-1.86	0.38	5.61e-02	75.38	-281.33	-62.12	-143.83	173.61
7	60	136	1.07	0.59	0.74	0.92	-0.22	324.59	-18.24	99.91	206.44	-162.93
7	60	137	1.08	0.58	0.69	0.97	-0.20	737.53	164.14	329.20	572.46	-259.61
7	60	138	0.62	0.24	0.33	0.52	0.17	-98.00	-403.58	-252.70	-248.88	152.78
7	60	139	-0.15	-0.72	-0.26	-0.61	-0.22	102.51	-251.02	97.03	-245.54	-43.69
7	60	140	-1.61e-02	-0.62	-1.73e-02	-0.62	2.64e-02	440.14	-78.38	-76.74	438.50	-29.11
7	60	143	0.17	5.01e-03	5.39e-03	0.17	-7.82e-03	-99.83	-240.97	-209.96	-130.84	58.44
7	61	47	0.41	-0.59	0.16	-0.34	0.43	194.65	-6.59	153.43	34.63	-81.22
7	61	49	3.29	0.39	1.42	2.26	-1.39	678.34	-320.06	-319.93	678.20	11.74
7	61	94	1.42	0.25	1.24	0.43	0.42	914.90	39.50	636.25	318.15	-407.78
7	61	100	7.98	1.42	6.37	3.03	-2.82	1284.83	11.28	396.50	899.61	-584.98
7	61	101	0.78	0.27	0.67	0.38	-0.21	458.52	122.75	217.69	363.58	-151.21
7	61	102	2.87	-9.68e-03	2.85	1.28e-02	-0.25	382.05	-69.80	151.18	161.07	-225.87
7	61	136	-0.81	-1.34	-0.85	-1.30	0.14	-29.94	-539.32	-233.18	-336.08	249.44
7	61	137	-1.09	-1.20	-1.12	-1.17	4.55e-02	-140.28	-962.02	-387.03	-715.27	376.66
7	61	138	-0.34	-1.15	-0.59	-0.90	-0.37	452.96	129.45	313.72	268.69	-160.18
7	61	139	0.55	0.14	0.25	0.45	0.17	187.03	-231.70	-231.55	186.88	7.99
7	61	140	0.56	0.18	0.19	0.55	5.66e-02	28.97	-472.26	19.48	-462.77	68.32
7	61	143	3.16e-02	-0.19	3.09e-02	-0.19	-1.30e-02	327.15	43.67	311.87	58.95	-64.02
7	62	47	0.52	-0.37	-2.00e-02	0.17	-0.44	-76.51	-267.86	-198.15	-146.22	92.09
7	62	49	-0.85	-2.44	-1.26	-2.03	0.70	217.65	-594.05	215.81	-592.20	-38.69
7	62	94	1.70e-02	-1.10	-0.82	-0.27	-0.49	-93.52	-803.57	-487.48	-409.61	352.89
7	62	100	-0.97	-6.20	-5.16	-2.01	2.09	83.22	-942.73	-140.23	-719.28	423.45
7	62	101	-0.36	-0.65	-0.62	-0.38	8.13e-02	-92.62	-350.87	-138.81	-304.68	98.97
7	62	102	0.38	-2.42	-2.41	0.38	0.13	85.40	-276.50	-0.27	-190.83	153.84
7	62	136	0.90	0.51	0.58	0.82	-0.15	283.08	-36.37	63.94	182.77	-148.26
7	62	137	0.91	0.40	0.43	0.88	-0.13	684.14	140.24	283.38	540.99	-239.51
7	62	138	0.64	8.69e-02	0.20	0.53	0.22	-102.48	-355.43	-228.35	-229.56	126.47
7	62	139	-0.27	-0.78	-0.41	-0.63	-0.23	85.66	-249.74	74.66	-238.74	-59.75
7	62	140	-0.19	-0.52	-0.20	-0.52	-3.80e-02	401.69	-75.24	-74.28	400.72	-21.45
7	62	143	7.86e-02	-0.12	-0.12	7.86e-02	1.26e-03	-109.25	-225.99	-190.29	-144.94	53.78
7	63	47	0.49	-0.40	0.33	-0.24	0.35	192.11	18.36	147.38	63.09	-75.97
7	63	49	3.44	0.90	1.83	2.51	-1.23	645.08	-295.65	-291.91	641.34	59.16
7	63	94	1.82	0.43	1.65	0.60	0.45	870.58	70.91	594.85	346.64	-380.09
7	63	100	8.18	1.24	6.38	3.04	-3.04	1114.80	-67.42	194.92	852.46	-491.25
7	63	101	1.12	0.33	1.01	0.43	-0.27	420.84	145.51	214.61	351.75	-119.37
7	63	102	3.40	-8.69e-03	3.37	2.14e-02	-0.32	363.18	-66.96	87.11	209.11	-206.24
7	63	136	-0.68	-1.22	-0.69	-1.21	7.26e-02	-12.11	-497.21	-196.08	-313.23	235.37
7	63	137	-0.85	-1.08	-0.85	-1.08	-2.62e-02	-116.65	-910.47	-339.26	-687.86	356.59
7	63	138	-0.20	-1.09	-0.45	-0.83	-0.40	404.39	135.18	289.56	250.01	-133.14
7	63	139	0.62	0.25	0.39	0.47	0.18	198.31	-210.41	-208.94	196.84	24.45
7	63	140	0.54	0.29	0.37	0.46	0.12	25.23	-434.14	17.15	-426.06	60.37
7	63	143	0.15	-0.10	0.15	-0.10	-2.20e-02	307.79	57.85	292.64	73.01	-59.66
7	64	47	0.74	-0.31	0.15	0.28	-0.52	-54.48	-267.48	-204.20	-117.76	97.33

7	64	49	-0.34	-2.29	-0.85	-1.78	0.86	243.90	-629.15	243.82	-629.06	8.72
7	64	94	0.23	-0.73	-0.41	-9.49e-02	-0.46	-67.31	-842.68	-528.88	-381.11	380.58
7	64	100	-1.13	-6.03	-5.15	-2.01	1.88	4.95	-1113.19	-341.81	-766.43	517.19
7	64	101	-0.27	-0.34	-0.27	-0.34	2.35e-02	-71.93	-386.48	-141.89	-316.52	130.81
7	64	102	0.39	-1.89	-1.89	0.39	6.11e-02	74.29	-281.42	-64.33	-142.80	173.47
7	64	136	1.06	0.59	0.74	0.91	-0.22	323.88	-17.21	101.05	205.62	-162.33
7	64	137	1.08	0.59	0.70	0.97	-0.20	735.18	164.37	331.15	568.40	-259.58
7	64	138	0.70	0.23	0.33	0.60	0.19	-96.84	-403.90	-252.50	-248.24	153.51
7	64	139	-0.15	-0.72	-0.26	-0.61	-0.22	102.91	-234.43	97.26	-228.78	-43.29
7	64	140	-1.62e-02	-0.62	-1.72e-02	-0.62	2.51e-02	439.11	-78.28	-76.60	437.44	-29.40
7	64	143	0.17	3.91e-03	4.27e-03	0.17	-7.72e-03	-100.01	-240.40	-209.53	-130.89	58.15
7	65	47	0.41	-0.59	0.16	-0.34	0.43	189.66	-21.74	152.30	15.62	-80.64
7	65	49	3.31	0.40	1.43	2.28	-1.39	676.76	-321.59	-321.52	676.69	8.44
7	65	94	1.43	0.25	1.25	0.43	0.42	912.01	39.56	634.73	316.84	-406.23
7	65	100	8.30	1.61	6.72	3.19	-2.84	1288.76	13.31	404.68	897.39	-588.22
7	65	101	0.78	0.27	0.67	0.38	-0.21	457.49	120.95	217.09	361.35	-152.03
7	65	102	2.90	-1.30e-02	2.88	1.01e-02	-0.26	382.48	-69.04	153.39	160.04	-225.74
7	65	136	-0.81	-1.33	-0.85	-1.29	0.14	-30.88	-538.69	-234.32	-335.26	248.84
7	65	137	-1.10	-1.20	-1.13	-1.17	4.38e-02	-140.44	-959.74	-388.97	-711.21	376.63
7	65	138	-0.34	-1.23	-0.59	-0.98	-0.40	453.30	128.27	313.52	268.05	-160.91
7	65	139	0.55	0.14	0.25	0.45	0.17	170.26	-231.92	-231.78	170.12	7.59
7	65	140	0.56	0.18	0.19	0.55	5.79e-02	28.94	-471.30	19.34	-461.71	68.61
7	65	143	3.28e-02	-0.19	3.20e-02	-0.19	-1.31e-02	326.62	43.82	311.44	59.00	-63.73
7	66	47	0.52	-0.37	-1.77e-02	0.17	-0.44	-88.04	-276.47	-199.28	-165.23	92.67
7	66	49	-0.84	-2.41	-1.24	-2.01	0.69	216.39	-595.89	214.21	-593.71	-41.99
7	66	94	1.50e-02	-1.09	-0.80	-0.27	-0.48	-93.38	-806.53	-489.00	-410.91	354.43
7	66	100	-0.79	-5.88	-4.81	-1.86	2.08	86.50	-940.04	-132.05	-721.50	420.22
7	66	101	-0.36	-0.64	-0.62	-0.38	7.99e-02	-94.13	-352.19	-139.40	-306.92	98.15
7	66	102	0.38	-2.39	-2.38	0.38	0.12	86.97	-276.89	1.94	-191.86	153.97
7	66	136	0.90	0.50	0.58	0.83	-0.15	283.85	-37.44	62.81	183.59	-148.86
7	66	137	0.91	0.39	0.42	0.88	-0.13	686.66	139.83	281.44	545.05	-239.54
7	66	138	0.56	9.20e-02	0.20	0.46	0.19	-103.63	-355.11	-228.55	-230.20	125.74
7	66	139	-0.27	-0.78	-0.41	-0.63	-0.23	85.05	-266.12	74.43	-255.50	-60.15
7	66	140	-0.19	-0.53	-0.20	-0.52	-3.67e-02	402.73	-75.35	-74.41	401.79	-21.17
7	66	143	7.74e-02	-0.11	-0.11	7.74e-02	1.16e-03	-109.08	-226.54	-190.72	-144.90	54.08
7	67	47	0.49	-0.42	0.31	-0.24	0.36	204.49	14.13	157.88	60.75	-81.86
7	67	49	3.48	1.00	1.90	2.58	-1.19	662.98	-300.79	-294.31	656.50	78.79
7	67	94	1.86	0.43	1.69	0.60	0.46	917.84	75.82	613.85	379.80	-404.42
7	67	100	8.52	1.46	6.75	3.23	-3.06	1118.09	-86.53	157.64	873.92	-484.26
7	67	101	1.15	0.36	1.06	0.45	-0.26	432.45	155.10	221.99	365.56	-118.65
7	67	102	3.50	-1.29e-02	3.47	1.79e-02	-0.33	379.99	-74.10	71.76	234.13	-212.03
7	67	136	-0.69	-1.26	-0.70	-1.25	8.15e-02	-3.88	-510.89	-193.11	-321.67	245.22
7	67	137	-0.83	-1.11	-0.83	-1.11	-9.58e-05	-118.03	-933.12	-338.16	-712.99	361.90
7	67	138	-0.19	-1.15	-0.44	-0.89	-0.42	410.82	143.20	295.94	258.08	-132.46
7	67	139	0.69	0.27	0.43	0.53	0.21	201.24	-214.26	-211.98	198.97	30.65
7	67	140	0.57	0.31	0.40	0.47	0.13	26.39	-464.88	19.01	-457.49	59.79
7	67	143	0.16	-0.10	0.16	-9.88e-02	-2.20e-02	316.94	65.77	300.20	82.51	-62.64
7	68	47	0.77	-0.31	0.17	0.28	-0.54	-76.09	-294.32	-216.98	-153.43	104.38
7	68	49	-0.43	-2.28	-0.89	-1.81	0.80	243.37	-647.58	243.02	-647.24	-17.52
7	68	94	0.22	-0.75	-0.42	-0.11	-0.46	-70.43	-897.37	-550.93	-416.87	408.00
7	68	100	-0.98	-5.73	-4.83	-1.89	1.86	23.03	-1103.53	-288.17	-792.32	503.73
7	68	101	-0.31	-0.35	-0.31	-0.35	9.83e-03	-84.53	-400.74	-150.47	-334.79	128.47
7	68	102	0.39	-1.93	-1.93	0.39	5.97e-02	82.95	-297.39	-44.55	-169.89	179.54
7	68	136	1.11	0.60	0.75	0.96	-0.23	339.20	-27.70	95.81	215.70	-173.38
7	68	137	1.12	0.54	0.66	1.01	-0.23	762.52	165.30	326.17	601.65	-264.94
7	68	138	0.60	0.23	0.32	0.51	0.16	-107.07	-409.80	-259.28	-257.59	151.36

7	68	139	-0.18	-0.79	-0.30	-0.66	-0.25	106.66	-271.24	99.84	-264.42	-50.29
7	68	140	-4.82e-02	-0.64	-4.91e-02	-0.64	2.20e-02	472.45	-80.17	-78.72	471.00	-28.24
7	68	143	0.17	-4.65e-03	-4.28e-03	0.16	-7.94e-03	-106.21	-252.05	-217.95	-140.30	61.73
7	69	47	0.40	-0.61	0.14	-0.35	0.45	212.71	3.66	165.07	51.29	-87.69
7	69	49	3.30	0.49	1.48	2.31	-1.34	696.05	-321.91	-320.73	694.87	34.68
7	69	94	1.45	0.26	1.27	0.44	0.43	964.24	45.14	656.78	352.60	-433.65
7	69	100	8.01	1.45	6.39	3.07	-2.83	1279.20	-4.88	351.04	923.28	-574.76
7	69	101	0.81	0.30	0.71	0.40	-0.20	470.96	134.33	225.67	379.62	-149.68
7	69	102	2.94	-1.06e-02	2.92	1.19e-02	-0.26	393.72	-72.97	133.61	187.13	-231.81
7	69	136	-0.82	-1.38	-0.86	-1.34	0.15	-20.90	-553.52	-229.08	-345.34	259.89
7	69	137	-1.05	-1.24	-1.08	-1.21	7.34e-02	-141.84	-986.60	-383.99	-744.46	381.99
7	69	138	-0.33	-1.13	-0.58	-0.89	-0.37	459.06	138.64	320.30	277.40	-158.77
7	69	139	0.62	0.17	0.28	0.50	0.20	206.25	-234.84	-234.36	205.77	14.59
7	69	140	0.59	0.21	0.22	0.58	6.10e-02	30.12	-503.93	21.46	-495.27	67.45
7	69	143	4.13e-02	-0.19	4.05e-02	-0.19	-1.29e-02	336.74	51.53	319.86	68.41	-67.31
7	70	47	0.55	-0.37	1.87e-03	0.18	-0.45	-85.03	-287.64	-209.79	-162.89	98.56
7	70	49	-0.94	-2.46	-1.31	-2.08	0.65	221.18	-613.44	216.60	-608.87	-61.63
7	70	94	1.21e-02	-1.13	-0.84	-0.27	-0.49	-95.93	-856.15	-508.00	-444.07	378.76
7	70	100	-1.00	-6.23	-5.18	-2.05	2.10	106.30	-944.03	-94.77	-742.96	413.23
7	70	101	-0.38	-0.68	-0.66	-0.40	6.90e-02	-103.16	-364.36	-146.79	-320.73	97.44
7	70	102	0.39	-2.49	-2.48	0.38	0.13	98.29	-297.88	17.30	-216.89	159.77
7	70	136	0.94	0.52	0.59	0.86	-0.16	297.86	-45.99	59.83	192.03	-158.71
7	70	137	0.96	0.36	0.40	0.91	-0.16	709.78	140.74	280.34	570.18	-244.84
7	70	138	0.62	7.97e-02	0.19	0.51	0.21	-111.52	-361.67	-234.92	-238.27	125.06
7	70	139	-0.29	-0.85	-0.45	-0.69	-0.25	90.13	-270.28	77.47	-257.62	-66.36
7	70	140	-0.22	-0.55	-0.23	-0.54	-4.24e-02	434.05	-77.10	-76.27	433.22	-20.58
7	70	143	7.48e-02	-0.13	-0.13	7.48e-02	1.13e-03	-115.21	-237.48	-198.28	-154.41	57.06
7	71	47	0.49	-0.42	0.31	-0.24	0.36	210.85	27.92	159.01	79.76	-82.44
7	71	49	3.46	1.00	1.89	2.56	-1.18	665.04	-299.75	-292.71	658.01	82.09
7	71	94	1.85	0.44	1.68	0.61	0.46	920.76	75.72	615.38	381.10	-405.96
7	71	100	8.21	1.27	6.40	3.07	-3.04	1115.62	-90.03	149.46	876.13	-481.02
7	71	101	1.15	0.35	1.06	0.45	-0.25	433.60	156.78	222.59	367.79	-117.84
7	71	102	3.47	-9.58e-03	3.44	2.06e-02	-0.32	380.11	-75.40	69.55	235.16	-212.17
7	71	136	-0.69	-1.26	-0.70	-1.25	8.43e-02	-2.90	-511.56	-191.97	-322.49	245.82
7	71	137	-0.82	-1.11	-0.82	-1.11	1.67e-03	-117.68	-935.59	-336.22	-717.05	361.92
7	71	138	-0.19	-1.07	-0.44	-0.82	-0.39	410.48	144.38	296.14	258.72	-131.73
7	71	139	0.69	0.27	0.43	0.53	0.21	217.97	-214.00	-211.75	215.73	31.05
7	71	140	0.57	0.31	0.40	0.48	0.12	26.44	-465.86	19.14	-458.56	59.50
7	71	143	0.16	-9.94e-02	0.16	-9.76e-02	-2.19e-02	317.48	65.61	300.63	82.47	-62.94
7	72	47	0.76	-0.31	0.17	0.28	-0.54	-63.63	-286.63	-215.84	-134.42	103.80
7	72	49	-0.43	-2.30	-0.90	-1.83	0.81	244.84	-645.96	244.62	-645.73	-14.22
7	72	94	0.23	-0.76	-0.43	-0.10	-0.46	-70.56	-894.42	-549.41	-415.57	406.46
7	72	100	-1.16	-6.05	-5.17	-2.04	1.88	20.65	-1107.11	-296.35	-790.11	506.97
7	72	101	-0.31	-0.36	-0.32	-0.35	1.12e-02	-82.92	-399.51	-149.88	-332.56	129.28
7	72	102	0.39	-1.96	-1.96	0.39	6.46e-02	81.70	-297.32	-46.77	-168.85	179.41
7	72	136	1.10	0.61	0.76	0.95	-0.23	338.47	-26.66	96.94	214.88	-172.78
7	72	137	1.12	0.55	0.67	1.01	-0.23	760.06	165.64	328.11	597.59	-264.91
7	72	138	0.68	0.22	0.32	0.58	0.19	-105.91	-410.12	-259.08	-256.95	152.10
7	72	139	-0.18	-0.79	-0.30	-0.66	-0.25	107.09	-254.68	100.07	-247.66	-49.89
7	72	140	-4.83e-02	-0.64	-4.90e-02	-0.64	2.07e-02	471.42	-80.07	-78.59	469.94	-28.53
7	72	143	0.17	-5.76e-03	-5.40e-03	0.17	-7.85e-03	-106.39	-251.48	-217.52	-140.35	61.43
7	73	47	0.41	-0.61	0.14	-0.35	0.44	207.29	-11.07	163.94	32.28	-87.11
7	73	49	3.33	0.50	1.49	2.33	-1.35	694.33	-323.29	-322.32	693.36	31.38
7	73	94	1.46	0.25	1.28	0.43	0.43	961.33	45.22	655.25	351.30	-432.11
7	73	100	8.33	1.63	6.74	3.22	-2.85	1282.79	-2.50	359.22	921.07	-577.99
7	73	101	0.81	0.31	0.71	0.40	-0.20	469.90	132.57	225.08	377.39	-

150.50												
7	73	102	2.97	-1.39e-02	2.95	9.21e-03	-0.26	393.99	-72.07	135.82	186.10	-
231.67												
7	73	136	-0.82	-1.38	-0.87	-1.33	0.15	-21.85	-552.88	-230.21	-344.51	259.29
7	73	137	-1.06	-1.24	-1.09	-1.21	7.16e-02	-142.08	-984.25	-385.93	-740.40	381.97
7	73	138	-0.33	-1.21	-0.58	-0.96	-0.39	459.39	137.46	320.10	276.76	-
159.50												
7	73	139	0.62	0.17	0.28	0.50	0.20	189.48	-235.06	-234.59	189.01	14.19
7	73	140	0.58	0.21	0.22	0.57	6.23e-02	30.08	-502.96	21.33	-494.21	67.73
7	73	143	4.24e-02	-0.19	4.17e-02	-0.19	-1.30e-02	336.20	51.69	319.43	68.46	-67.01
7	74	47	0.55	-0.37	4.13e-03	0.18	-0.45	-96.22	-296.60	-210.92	-181.90	99.14
7	74	49	-0.93	-2.43	-1.30	-2.06	0.64	220.09	-615.45	215.01	-610.38	-64.93
7	74	94	1.01e-02	-1.12	-0.83	-0.28	-0.49	-95.79	-859.11	-509.53	-445.37	380.31
7	74	100	-0.82	-5.91	-4.84	-1.89	2.08	109.98	-941.74	-86.59	-745.17	410.00
7	74	101	-0.38	-0.68	-0.66	-0.40	6.77e-02	-104.63	-365.72	-147.39	-322.96	96.62
7	74	102	0.38	-2.46	-2.45	0.38	0.13	99.95	-298.36	19.51	-217.92	159.91
7	74	136	0.95	0.51	0.59	0.87	-0.17	298.63	-47.08	58.70	192.85	-
159.31												
7	74	137	0.96	0.35	0.39	0.91	-0.16	712.40	140.24	278.40	574.24	-
244.87												
7	74	138	0.54	8.49e-02	0.18	0.44	0.19	-112.68	-361.36	-235.12	-238.91	124.32
7	74	139	-0.29	-0.85	-0.45	-0.69	-0.25	89.49	-286.63	77.24	-274.38	-66.75
7	74	140	-0.22	-0.55	-0.23	-0.54	-4.11e-02	435.10	-77.20	-76.40	434.29	-20.29
7	74	143	7.36e-02	-0.12	-0.12	7.35e-02	1.03e-03	-115.04	-238.03	-198.71	-154.36	57.36
7	75	47	0.42	3.45e-02	0.41	4.34e-02	-5.82e-02	8.75	-16.68	7.69	-15.62	-5.08
7	75	49	1.50	0.86	1.21	1.15	-0.32	154.04	-94.50	-68.87	128.41	75.58
7	75	94	1.29	0.46	1.26	0.48	0.14	183.59	44.93	133.00	95.53	-66.75
7	75	100	3.62	0.52	2.70	1.44	-1.42	201.59	-171.90	-168.42	198.11	-35.87
7	75	101	0.90	0.12	0.84	0.19	-0.21	85.99	76.57	76.71	85.85	1.14
7	75	102	1.94	0.13	1.90	0.16	-0.24	130.81	-35.70	-21.89	117.00	-45.92
7	75	136	1.99e-02	-0.35	-9.53e-03	-0.33	-0.10	0.19	-150.58	-53.91	-96.48	72.31
7	75	137	4.00e-02	-0.32	-5.61e-02	-0.22	-0.16	10.34	-242.96	-48.90	-183.72	107.22
7	75	138	9.66e-02	-0.52	-4.42e-02	-0.38	-0.26	64.59	44.57	64.13	45.03	-3.00
7	75	139	0.29	8.14e-02	0.28	8.86e-02	3.76e-02	15.82	-76.16	-74.37	14.04	12.68
7	75	140	0.43	-8.47e-02	0.39	-4.18e-02	0.14	-12.88	-74.56	-20.40	-67.04	20.19
7	75	143	0.21	7.36e-02	0.20	7.83e-02	-2.47e-02	87.60	7.24	86.08	8.76	-10.95
7	76	47	0.56	-2.02e-02	0.37	0.17	-0.27	-30.90	-109.03	-79.48	-60.45	37.89
7	76	49	0.62	1.84e-02	0.54	9.12e-02	0.20	78.93	-201.54	63.95	-186.55	63.08
7	76	94	0.77	0.29	0.75	0.31	-8.59e-02	10.31	-240.81	-145.60	-84.90	121.83
7	76	100	0.28	-0.24	-0.15	0.19	-0.20	-32.66	-472.08	-301.50	-203.25	214.15
7	76	101	0.56	-3.74e-02	0.52	-2.58e-03	-0.14	26.02	-117.52	-11.67	-79.83	63.17
7	76	102	0.65	0.20	0.60	0.25	-0.15	50.84	-80.52	-59.44	29.75	48.22
7	76	136	0.46	8.60e-02	0.35	0.20	-0.17	52.96	-1.05	19.75	32.15	-26.28
7	76	137	0.51	0.10	0.33	0.28	-0.20	168.37	76.68	117.31	127.74	-45.55
7	76	138	0.20	-7.52e-02	0.15	-2.16e-02	-0.11	-6.18	-142.57	-70.26	-78.50	68.07
7	76	139	0.13	-0.19	0.12	-0.18	-6.31e-02	1.72	-91.66	1.54	-91.48	-4.11
7	76	140	0.31	-0.33	0.29	-0.31	0.12	147.06	-43.67	-43.65	147.04	-2.07
7	76	143	0.18	0.13	0.17	0.15	-2.12e-02	-21.77	-58.44	-38.42	-41.79	18.25
7	77	47	5.54e-02	-0.35	-5.68e-02	-0.24	0.18	33.54	-47.66	27.57	-41.69	-21.19
7	77	49	0.98	-0.53	4.25e-02	0.41	-0.73	239.71	-147.18	-141.65	234.18	-45.91
7	77	94	0.12	-4.82e-03	9.39e-02	2.23e-02	5.18e-02	323.32	-51.23	251.45	20.63	-
147.49												
7	77	100	2.21	0.51	1.72	0.99	-0.77	634.87	63.72	364.37	334.21	-
285.18												
7	77	101	6.25e-02	-0.14	-0.12	5.04e-02	-4.76e-02	192.24	19.30	86.87	124.66	-84.38
7	77	102	0.40	0.14	0.39	0.14	-4.79e-02	196.74	-60.76	148.49	-12.51	-
100.48												
7	77	136	-0.41	-0.63	-0.46	-0.58	9.15e-02	-44.53	-270.29	-153.03	-161.79	112.79
7	77	137	-0.48	-0.76	-0.76	-0.49	4.41e-02	-53.39	-392.29	-175.13	-270.54	162.60
7	77	138	-0.28	-0.48	-0.41	-0.36	-9.84e-02	192.04	37.54	131.27	98.31	-75.47
7	77	139	2.05e-02	-0.13	-0.13	1.90e-02	1.49e-02	38.54	-141.77	-136.06	32.82	-31.59
7	77	140	0.25	-0.12	-0.11	0.24	-3.56e-02	-3.46	-181.46	-13.61	-171.31	41.28
7	77	143	-0.13	-0.17	-0.13	-0.17	3.47e-04	143.60	-33.37	140.33	-30.10	-23.83
7	78	47	-7.26e-02	-0.14	-0.10	-0.11	-3.34e-02	-47.46	-98.66	-59.60	-86.52	21.77
7	78	49	-0.42	-0.86	-0.62	-0.65	-0.22	23.80	-113.41	-8.83	-80.78	-58.42
7	78	94	-6.53e-02	-0.50	-0.42	-0.15	-0.17	-15.45	-171.50	-27.15	-159.79	41.10
7	78	100	-6.75e-02	-1.33	-1.14	-0.26	0.45	235.38	-71.23	231.29	-67.15	-35.16
7	78	101	-0.14	-0.45	-0.44	-0.14	2.44e-02	8.57	-51.10	-1.51	-41.02	-22.36
7	78	102	0.24	-0.92	-0.92	0.24	4.63e-02	111.14	-99.95	110.95	-99.75	-6.34
7	78	136	-4.81e-02	-0.11	-0.10	-5.54e-02	1.96e-02	-29.14	-83.37	-79.36	-33.16	14.19
7	78	137	2.25e-02	-0.37	-0.37	2.25e-02	2.26e-04	42.78	-10.80	-8.93	40.91	9.83
7	78	138	8.54e-03	-0.22	-0.21	-2.53e-03	4.96e-02	-2.27	-26.06	-3.11	-25.22	-4.40

7	78	139	-0.18	-0.36	-0.30	-0.25	-8.58e-02	-17.63	-115.21	-60.14	-72.70	-48.38
7	78	140	-6.32e-03	-0.23	-0.21	-2.34e-02	-5.91e-02	47.08	-41.17	-36.86	42.77	19.02
7	78	143	-0.10	-0.17	-0.17	-0.10	3.90e-03	16.13	-80.95	15.83	-80.65	5.37
7	79	47	0.42	3.48e-02	0.41	4.28e-02	-5.47e-02	12.44	-13.35	10.57	-11.49	-6.68
7	79	49	1.51	0.88	1.22	1.17	-0.31	161.22	-97.75	-69.07	132.54	81.27
7	79	94	1.29	0.46	1.27	0.48	0.14	196.20	45.96	138.09	104.07	-73.17
7	79	100	3.63	0.53	2.71	1.45	-1.42	206.85	-182.57	-179.69	203.98	-33.33
7	79	101	0.91	0.13	0.85	0.19	-0.21	90.03	78.49	78.69	89.83	1.52
7	79	102	1.95	0.13	1.92	0.16	-0.24	137.20	-39.99	-26.24	123.46	-47.39
7	79	136	1.46e-02	-0.36	-1.28e-02	-0.34	-9.79e-02	2.50	-154.18	-52.89	-98.78	74.91
7	79	137	3.77e-02	-0.32	-4.82e-02	-0.23	-0.15	10.37	-249.47	-48.14	-190.96	108.54
7	79	138	9.83e-02	-0.51	-4.09e-02	-0.37	-0.26	66.13	46.82	65.76	47.19	-2.65
7	79	139	0.30	9.29e-02	0.29	0.10	4.33e-02	20.86	-77.21	-75.07	18.72	14.32
7	79	140	0.44	-7.96e-02	0.39	-3.62e-02	0.14	-13.44	-81.57	-19.91	-75.10	19.97
7	79	143	0.21	7.46e-02	0.21	7.92e-02	-2.47e-02	89.82	9.35	88.06	11.11	-11.77
7	80	47	0.57	-2.13e-02	0.37	0.17	-0.28	-32.99	-113.96	-82.36	-64.59	39.49
7	80	49	0.60	1.22e-02	0.53	7.81e-02	0.18	76.47	-203.01	64.14	-190.69	57.39
7	80	94	0.76	0.29	0.74	0.31	-8.79e-02	9.34	-253.47	-150.69	-93.45	128.25
7	80	100	0.27	-0.25	-0.16	0.18	-0.20	-34.21	-465.14	-290.23	-209.12	211.61
7	80	101	0.55	-4.35e-02	0.51	-6.86e-03	-0.14	23.19	-120.65	-13.65	-83.81	62.79
7	80	102	0.64	0.20	0.58	0.25	-0.15	47.39	-79.17	-55.08	23.29	49.69
7	80	136	0.47	9.11e-02	0.35	0.21	-0.18	56.52	-3.33	18.74	34.45	-28.87
7	80	137	0.52	9.62e-02	0.32	0.29	-0.21	173.53	78.00	116.56	134.97	-46.87
7	80	138	0.20	-8.06e-02	0.15	-2.56e-02	-0.11	-8.41	-144.13	-71.89	-80.66	67.72
7	80	139	0.12	-0.21	0.11	-0.19	-6.87e-02	2.57	-96.50	2.24	-96.16	-5.75
7	80	140	0.30	-0.34	0.28	-0.31	0.12	155.12	-44.16	-44.14	155.10	-1.85
7	80	143	0.18	0.13	0.16	0.14	-2.12e-02	-23.11	-61.43	-40.40	-44.13	19.07
7	81	47	5.45e-02	-0.36	-6.22e-02	-0.24	0.19	37.39	-44.49	30.45	-37.55	-22.80
7	81	49	0.99	-0.51	5.69e-02	0.42	-0.72	242.53	-146.06	-141.85	238.32	-40.23
7	81	94	0.13	-3.69e-03	0.10	2.41e-02	5.38e-02	334.19	-48.48	256.54	29.18	-153.90
7	81	100	2.21	0.51	1.73	1.00	-0.77	629.31	63.87	353.10	340.08	-282.64
7	81	101	6.57e-02	-0.12	-0.11	5.46e-02	-4.45e-02	195.07	22.42	88.85	128.64	-84.00
7	81	102	0.41	0.14	0.40	0.14	-4.88e-02	195.66	-57.57	144.14	-6.05	-101.95
7	81	136	-0.41	-0.64	-0.46	-0.59	9.44e-02	-42.51	-273.59	-152.01	-164.09	115.38
7	81	137	-0.48	-0.76	-0.75	-0.49	5.10e-02	-54.20	-397.96	-174.38	-277.78	163.92
7	81	138	-0.28	-0.48	-0.41	-0.35	-9.64e-02	193.54	39.84	132.91	100.47	-75.12
7	81	139	3.56e-02	-0.13	-0.12	3.29e-02	2.06e-02	42.51	-141.76	-136.75	37.51	-29.95
7	81	140	0.25	-0.11	-0.11	0.25	-3.45e-02	-3.53	-188.96	-13.12	-179.37	41.06
7	81	143	-0.13	-0.17	-0.13	-0.17	3.78e-04	145.81	-31.26	142.31	-27.76	-24.65
7	82	47	-6.57e-02	-0.14	-9.65e-02	-0.11	-3.70e-02	-49.27	-103.86	-62.48	-90.65	23.38
7	82	49	-0.42	-0.88	-0.64	-0.67	-0.23	27.82	-121.36	-8.63	-84.91	-64.10
7	82	94	-6.64e-02	-0.51	-0.42	-0.15	-0.17	-17.30	-183.28	-32.24	-168.34	47.51
7	82	100	-7.49e-02	-1.33	-1.14	-0.27	0.45	247.00	-77.46	242.56	-73.02	-37.70
7	82	101	-0.14	-0.46	-0.45	-0.14	2.14e-02	6.54	-55.02	-3.49	-45.00	-22.73
7	82	102	0.24	-0.94	-0.93	0.24	4.72e-02	115.41	-106.32	115.30	-106.22	-4.87
7	82	136	-4.07e-02	-0.10	-9.76e-02	-4.56e-02	1.67e-02	-28.28	-82.96	-80.38	-30.86	11.60
7	82	137	3.08e-02	-0.38	-0.38	3.07e-02	-6.67e-03	49.38	-10.91	-9.68	48.15	8.51
7	82	138	3.72e-03	-0.23	-0.22	-6.54e-03	4.76e-02	-3.79	-28.34	-4.75	-27.38	-4.75
7	82	139	-0.19	-0.38	-0.30	-0.26	-9.14e-02	-17.60	-119.23	-59.44	-77.38	-50.02
7	82	140	-1.15e-02	-0.24	-0.22	-2.89e-02	-6.02e-02	54.84	-41.36	-37.35	50.83	19.24
7	82	143	-0.10	-0.17	-0.17	-0.10	3.87e-03	14.25	-83.39	13.85	-83.00	6.19
7	83	47	0.42	3.79e-02	0.41	4.62e-02	-5.54e-02	38.43	9.20	10.81	36.82	-6.67
7	83	49	1.44	0.84	1.17	1.10	-0.30	163.95	-95.87	-64.48	132.57	84.67
7	83	94	1.25	0.47	1.23	0.49	0.13	191.66	44.64	137.19	99.11	-71.00
7	83	100	2.79	-3.66e-02	1.75	1.01	-1.37	206.03	-192.78	-190.95	204.20	-26.96
7	83	101	0.89	0.12	0.83	0.18	-0.21	92.78	77.56	78.35	91.99	3.38
7	83	102	1.85	0.14	1.82	0.17	-0.23	133.15	-41.30	-27.99	119.85	-46.31
7	83	136	1.98e-02	-0.36	-4.46e-03	-0.34	-9.31e-02	2.99	-152.52	-50.79	-98.74	73.96
7	83	137	5.69e-02	-0.31	-2.77e-02	-0.22	-0.15	12.08	-250.51	-43.55	-194.89	107.30
7	83	138	8.84e-02	-0.29	-3.53e-02	-0.17	-0.18	64.73	46.74	64.68	46.79	-0.97
7	83	139	0.29	8.30e-02	0.28	9.11e-02	3.98e-02	61.66	-75.14	-73.74	60.26	13.78
7	83	140	0.43	-7.29e-02	0.39	-3.11e-02	0.14	-13.39	-76.63	-20.04	-69.98	19.39
7	83	143	0.21	7.68e-02	0.20	8.16e-02	-2.45e-02	88.99	6.91	87.26	8.64	-11.76
7	84	47	0.56	-1.78e-02	0.36	0.17	-0.27	7.66	-92.03	-76.35	-8.02	36.30
7	84	49	0.60	-4.87e-02	0.51	3.82e-02	0.22	87.62	-201.68	68.34	-182.39	72.17
7	84	94	0.74	0.30	0.72	0.32	-9.22e-02	10.00	-232.72	-141.40	-81.32	117.59
7	84	100	-0.22	-1.14	-1.11	-0.24	-0.15	-28.69	-492.49	-324.02	-197.16	223.06
7	84	101	0.55	-4.35e-02	0.51	-1.05e-02	-0.14	30.88	-114.60	-10.03	-73.69	65.41
7	84	102	0.58	0.20	0.52	0.26	-0.14	52.06	-84.99	-65.54	32.60	47.83

7	84	136	0.45	8.64e-02	0.35	0.19	-0.17	51.27	1.50	22.87	29.89	-24.64
7	84	137	0.52	0.12	0.36	0.28	-0.20	165.18	74.05	122.66	116.57	-45.47
7	84	138	0.21	0.14	0.16	0.18	-3.10e-02	-3.04	-143.41	-69.71	-76.74	70.10
7	84	139	0.13	-0.19	0.12	-0.18	-6.09e-02	2.36	-45.45	2.17	-45.26	-3.01
7	84	140	0.31	-0.32	0.29	-0.30	0.12	144.14	-43.33	-43.28	144.10	-2.87
7	84	143	0.18	0.13	0.16	0.15	-2.09e-02	-21.97	-57.18	-37.23	-41.91	17.45
7	85	47	5.67e-02	-0.35	-5.05e-02	-0.24	0.18	27.60	-97.28	24.45	-94.12	-19.60
7	85	49	1.05	-0.51	7.63e-02	0.46	-0.76	237.90	-153.92	-146.04	230.02	-55.00
7	85	94	0.15	-1.32e-02	0.13	1.07e-02	5.80e-02	315.91	-51.61	247.25	17.05	-143.24
7	85	100	3.08	1.02	2.68	1.42	-0.82	653.06	61.95	386.89	328.12	-294.09
7	85	101	7.23e-02	-0.13	-0.12	5.83e-02	-5.14e-02	190.08	13.67	85.23	118.52	-86.62
7	85	102	0.48	0.13	0.47	0.14	-6.16e-02	200.92	-61.68	154.59	-15.36	-100.09
7	85	136	-0.42	-0.62	-0.46	-0.57	8.38e-02	-46.68	-269.00	-156.15	-159.53	111.14
7	85	137	-0.48	-0.79	-0.78	-0.49	3.92e-02	-52.69	-387.17	-180.48	-259.37	162.52
7	85	138	-0.30	-0.68	-0.42	-0.56	-0.18	193.00	34.28	130.73	96.55	-77.50
7	85	139	1.77e-02	-0.13	-0.13	1.66e-02	1.28e-02	-5.27	-144.82	-136.69	-13.40	-32.69
7	85	140	0.23	-0.12	-0.11	0.23	-3.21e-02	-3.26	-179.09	-13.98	-168.37	42.07
7	85	143	-0.13	-0.17	-0.13	-0.17	7.24e-05	142.22	-33.06	139.15	-29.98	-23.03
7	86	47	-6.72e-02	-0.14	-9.57e-02	-0.11	-3.63e-02	-56.13	-145.55	-62.72	-138.96	23.37
7	86	49	-0.35	-0.84	-0.59	-0.60	-0.24	27.36	-125.52	-13.22	-84.94	-67.51
7	86	94	-7.25e-02	-0.47	-0.38	-0.16	-0.17	-17.27	-177.45	-31.35	-163.38	45.35
7	86	100	0.43	-0.44	-0.18	0.17	0.40	259.65	-79.08	253.81	-73.24	-44.07
7	86	101	-0.13	-0.44	-0.44	-0.13	2.06e-02	7.85	-58.15	-3.15	-47.16	-24.60
7	86	102	0.23	-0.84	-0.84	0.23	3.26e-02	117.21	-102.76	117.05	-102.60	-5.96
7	86	136	-4.17e-02	-0.11	-0.11	-4.39e-02	1.19e-02	-28.01	-85.37	-82.48	-30.89	12.55
7	86	137	2.30e-02	-0.40	-0.40	2.29e-02	-4.68e-03	53.49	-15.68	-14.28	52.08	9.75
7	86	138	-0.19	-0.25	-0.22	-0.21	-2.96e-02	-2.01	-28.63	-3.66	-26.98	-6.43
7	86	139	-0.18	-0.36	-0.30	-0.25	-8.79e-02	-32.46	-147.24	-60.77	-118.92	-49.48
7	86	140	-1.81e-02	-0.23	-0.21	-3.41e-02	-5.56e-02	50.21	-41.71	-37.22	45.71	19.82
7	86	143	-0.11	-0.16	-0.16	-0.11	3.63e-03	15.05	-80.93	14.65	-80.53	6.18
7	87	47	0.41	3.81e-02	0.40	4.55e-02	-5.18e-02	43.26	11.38	13.70	40.95	-8.27
7	87	49	1.44	0.86	1.19	1.11	-0.28	171.30	-99.28	-64.68	136.70	90.36
7	87	94	1.26	0.47	1.23	0.49	0.13	204.30	45.64	142.28	107.65	-77.42
7	87	100	2.80	-3.00e-02	1.75	1.02	-1.37	211.51	-203.66	-202.21	210.07	-24.42
7	87	101	0.90	0.13	0.84	0.18	-0.20	96.82	79.47	80.33	95.96	3.76
7	87	102	1.87	0.14	1.84	0.17	-0.23	139.58	-45.62	-32.34	126.31	-47.78
7	87	136	1.48e-02	-0.37	-7.70e-03	-0.35	-9.02e-02	5.33	-156.14	-49.77	-101.04	76.55
7	87	137	5.55e-02	-0.31	-1.99e-02	-0.23	-0.15	12.24	-257.16	-42.79	-202.13	108.62
7	87	138	9.00e-02	-0.29	-3.21e-02	-0.17	-0.18	66.33	48.93	66.31	48.95	-0.62
7	87	139	0.30	9.43e-02	0.29	0.10	4.54e-02	66.63	-76.12	-74.44	64.94	15.42
7	87	140	0.44	-6.78e-02	0.39	-2.55e-02	0.14	-13.82	-83.76	-19.54	-78.04	19.17
7	87	143	0.21	7.78e-02	0.20	8.26e-02	-2.44e-02	91.22	9.01	89.25	10.98	-12.57
7	88	47	0.56	-1.89e-02	0.37	0.17	-0.27	4.92	-96.31	-79.24	-12.15	37.90
7	88	49	0.58	-5.45e-02	0.50	2.51e-02	0.21	84.82	-202.81	68.54	-186.52	66.48
7	88	94	0.73	0.30	0.71	0.32	-9.42e-02	9.02	-245.37	-146.49	-89.86	124.00
7	88	100	-0.23	-1.14	-1.12	-0.25	-0.14	-30.64	-485.14	-312.75	-203.03	220.53
7	88	101	0.54	-4.96e-02	0.50	-1.48e-02	-0.14	28.00	-117.68	-12.01	-77.67	65.03
7	88	102	0.56	0.20	0.50	0.26	-0.13	48.34	-83.38	-61.18	26.14	49.30
7	88	136	0.46	9.18e-02	0.35	0.20	-0.17	54.73	-0.69	21.86	32.19	-27.23
7	88	137	0.53	0.11	0.35	0.29	-0.21	169.65	76.06	121.91	123.80	-46.79
7	88	138	0.20	0.13	0.16	0.18	-3.30e-02	-5.27	-144.97	-71.34	-78.90	69.74
7	88	139	0.12	-0.20	0.11	-0.19	-6.66e-02	3.28	-50.35	2.87	-49.94	-4.65
7	88	140	0.30	-0.32	0.28	-0.30	0.11	152.19	-43.81	-43.77	152.16	-2.65
7	88	143	0.18	0.13	0.16	0.15	-2.09e-02	-23.30	-60.17	-39.21	-44.26	18.26
7	89	47	5.56e-02	-0.35	-5.60e-02	-0.24	0.18	31.05	-93.70	27.33	-89.99	-21.20
7	89	49	1.06	-0.49	9.06e-02	0.48	-0.75	240.44	-152.53	-146.24	234.16	-49.32
7	89	94	0.16	-1.22e-02	0.13	1.24e-02	6.01e-02	326.72	-48.79	252.34	25.59	-149.66
7	89	100	3.09	1.03	2.68	1.43	-0.82	647.10	62.51	375.62	333.99	-291.55
7	89	101	7.55e-02	-0.12	-0.11	6.26e-02	-4.83e-02	192.88	16.83	87.21	122.50	-86.24
7	89	102	0.50	0.13	0.49	0.14	-6.25e-02	199.69	-58.35	150.24	-8.90	-101.57
7	89	136	-0.42	-0.63	-0.46	-0.58	8.67e-02	-44.69	-272.26	-155.13	-161.83	113.73
7	89	137	-0.49	-0.78	-0.78	-0.49	4.61e-02	-53.67	-392.67	-179.73	-266.61	163.84
7	89	138	-0.30	-0.68	-0.41	-0.56	-0.18	194.49	36.57	132.36	98.71	-77.15
7	89	139	3.27e-02	-0.13	-0.12	3.05e-02	1.85e-02	-1.61	-144.49	-137.39	-8.71	-31.05
7	89	140	0.24	-0.11	-0.11	0.24	-3.10e-02	-3.36	-186.55	-13.48	-176.43	41.86
7	89	143	-0.13	-0.17	-0.13	-0.17	1.04e-04	144.43	-30.94	141.13	-27.63	-23.84

7	90	47	-6.02e-02	-0.14	-9.03e-02	-0.11	-3.98e-02	-58.26	-150.44	-65.60	-143.09	24.97
7	90	49	-0.35	-0.86	-0.60	-0.61	-0.25	31.43	-133.53	-13.02	-89.07	-73.19
7	90	94	-7.37e-02	-0.48	-0.39	-0.16	-0.17	-18.92	-189.43	-36.44	-171.92	51.76
7	90	100	0.43	-0.45	-0.19	0.16	0.40	271.28	-85.31	265.08	-79.11	-46.61
7	90	101	-0.13	-0.45	-0.45	-0.14	1.75e-02	5.82	-62.08	-5.13	-51.13	-24.97
7	90	102	0.23	-0.85	-0.85	0.23	3.35e-02	121.49	-109.15	121.40	-109.06	-4.48
7	90	136	-3.29e-02	-0.10	-0.10	-3.41e-02	9.00e-03	-26.85	-85.25	-83.50	-28.60	9.95
7	90	137	3.15e-02	-0.41	-0.41	3.12e-02	-1.16e-02	60.26	-15.97	-15.03	59.32	8.43
7	90	138	-0.19	-0.25	-0.23	-0.21	-3.16e-02	-3.50	-30.93	-5.29	-29.14	-6.78
7	90	139	-0.19	-0.38	-0.31	-0.26	-9.36e-02	-31.66	-152.02	-60.08	-123.60	-51.12
7	90	140	-2.32e-02	-0.24	-0.22	-3.96e-02	-5.67e-02	57.97	-41.91	-37.71	53.77	20.03
7	90	143	-0.11	-0.17	-0.17	-0.11	3.59e-03	13.18	-83.38	12.67	-82.87	6.99
7	91	47	0.42	-0.33	0.30	-0.20	0.28	147.27	-3.36	116.34	27.57	-60.84
7	91	49	2.96	0.75	1.57	2.14	-1.07	535.78	-252.19	-249.30	532.88	47.65
7	91	94	1.58	0.39	1.45	0.52	0.37	723.28	56.02	499.49	279.81	-315.03
7	91	100	7.22	1.22	5.69	2.74	-2.61	938.78	-51.47	173.31	714.00	-414.81
7	91	101	0.97	0.27	0.88	0.36	-0.24	353.04	123.07	183.38	292.72	-101.16
7	91	102	2.92	2.18e-02	2.89	5.01e-02	-0.28	308.29	-53.28	81.55	173.46	-174.85
7	91	136	-0.57	-1.03	-0.58	-1.03	5.04e-02	-14.96	-429.00	-174.54	-269.42	201.52
7	91	137	-0.74	-0.92	-0.75	-0.91	-3.69e-02	-94.57	-769.89	-286.99	-577.47	304.82
7	91	138	-0.17	-1.01	-0.40	-0.78	-0.37	338.88	113.33	244.42	207.79	-111.28
7	91	139	0.50	0.20	0.32	0.38	0.15	144.58	-185.39	-184.53	143.72	16.78
7	91	140	0.46	0.24	0.32	0.37	0.11	16.83	-361.04	9.09	-353.30	53.54
7	91	143	0.13	-8.88e-02	0.13	-8.69e-02	-2.01e-02	262.11	42.34	250.31	54.13	-49.54
7	92	47	0.63	-0.25	0.15	0.22	-0.44	-61.62	-234.48	-174.21	-121.89	82.38
7	92	49	-0.26	-1.78	-0.64	-1.41	0.65	193.48	-517.04	193.43	-516.99	5.97
7	92	94	0.24	-0.54	-0.25	-5.35e-02	-0.38	-57.22	-693.57	-429.17	-321.61	313.59
7	92	100	-0.74	-4.52	-3.83	-1.43	1.45	7.31	-901.45	-270.28	-623.87	418.57
7	92	101	-0.19	-0.27	-0.19	-0.27	1.98e-03	-56.35	-314.42	-111.23	-259.54	105.60
7	92	102	0.35	-1.45	-1.45	0.35	2.92e-02	63.28	-224.24	-43.61	-117.36	138.95
7	92	136	0.86	0.47	0.60	0.73	-0.19	249.79	-19.42	71.01	159.37	-127.15
7	92	137	0.88	0.44	0.53	0.79	-0.18	590.04	137.71	267.04	460.71	-204.39
7	92	138	0.47	0.19	0.25	0.40	0.12	-78.14	-329.37	-203.55	-203.97	125.62
7	92	139	-0.13	-0.61	-0.22	-0.52	-0.19	73.97	-213.46	68.52	-208.01	-39.20
7	92	140	2.44e-03	-0.52	8.26e-04	-0.52	2.90e-02	361.30	-69.38	-68.39	360.31	-20.66
7	92	143	0.14	7.05e-03	7.57e-03	0.14	-8.26e-03	-85.49	-193.56	-164.68	-114.37	47.82
7	93	47	0.35	-0.48	0.16	-0.29	0.35	154.35	-12.30	122.30	19.75	-65.68
7	93	49	2.81	0.33	1.23	1.91	-1.19	564.77	-271.28	-271.13	564.62	11.20
7	93	94	1.24	0.25	1.10	0.38	0.34	762.74	29.62	535.02	257.35	-339.25
7	93	100	6.79	1.21	5.40	2.61	-2.42	1077.06	10.92	333.15	754.83	-489.60
7	93	101	0.68	0.22	0.59	0.32	-0.19	385.25	105.55	186.43	304.37	-126.81
7	93	102	2.46	2.37e-02	2.44	4.49e-02	-0.23	324.85	-57.58	132.66	134.61	-191.21
7	93	136	-0.69	-1.13	-0.71	-1.11	0.11	-28.82	-464.46	-204.28	-289.01	213.66
7	93	137	-0.95	-1.00	-0.96	-0.99	2.41e-02	-113.85	-814.53	-324.86	-603.52	321.44
7	93	138	-0.29	-1.00	-0.51	-0.78	-0.33	378.74	109.60	264.56	223.78	-133.02
7	93	139	0.44	0.12	0.20	0.36	0.14	149.39	-203.07	-203.03	149.36	3.50
7	93	140	0.46	0.16	0.17	0.45	5.40e-02	19.99	-393.43	11.13	-384.58	59.86
7	93	143	2.95e-02	-0.16	2.87e-02	-0.16	-1.26e-02	278.66	30.40	266.59	42.47	-53.40
7	94	47	0.45	-0.30	1.03e-02	0.14	-0.37	-69.08	-228.88	-168.25	-129.71	77.54
7	94	49	-0.69	-1.93	-0.99	-1.63	0.53	173.01	-486.66	171.60	-485.25	-30.48
7	94	94	5.65e-02	-0.85	-0.60	-0.19	-0.40	-78.43	-659.29	-393.64	-344.08	289.37
7	94	100	-0.76	-4.93	-4.13	-1.56	1.65	70.42	-763.90	-110.44	-583.04	343.78
7	94	101	-0.30	-0.49	-0.48	-0.31	5.11e-02	-71.87	-284.20	-108.18	-247.89	79.94
7	94	102	0.35	-1.91	-1.91	0.35	8.78e-02	73.05	-221.76	7.51	-156.21	122.59
7	94	136	0.72	0.40	0.47	0.65	-0.13	215.63	-34.59	41.27	139.78	-115.01
7	94	137	0.74	0.29	0.32	0.71	-0.12	545.96	117.87	229.17	434.67	-187.77
7	94	138	0.49	6.17e-02	0.14	0.41	0.17	-81.79	-289.59	-183.40	-187.98	103.87
7	94	139	-0.22	-0.66	-0.34	-0.54	-0.20	60.49	-212.86	50.01	-202.38	-52.48

7	94	140	-0.15	-0.43	-0.15	-0.43	-2.43e-02	329.54	-66.87	-66.35	329.03	-14.33
7	94	143	6.29e-02	-9.29e-02	-9.29e-02	6.29e-02	-7.35e-04	-91.86	-182.57	-148.40	-126.03	43.96
7	95	47	0.42	-0.33	0.30	-0.20	0.28	151.90	8.67	117.28	43.30	-61.32
7	95	49	2.94	0.75	1.56	2.12	-1.06	537.36	-251.21	-247.98	534.13	50.37
7	95	94	1.57	0.40	1.44	0.52	0.37	725.68	55.96	500.75	280.89	-316.30
7	95	100	6.96	1.06	5.41	2.61	-2.60	936.45	-54.07	166.56	715.83	-412.14
7	95	101	0.97	0.27	0.87	0.36	-0.24	353.94	124.50	183.87	294.57	-100.48
7	95	102	2.90	2.46e-02	2.87	5.23e-02	-0.28	308.26	-54.23	79.72	174.31	-174.96
7	95	136	-0.57	-1.04	-0.58	-1.03	5.27e-02	-14.16	-429.54	-173.61	-270.09	202.01
7	95	137	-0.73	-0.92	-0.74	-0.91	-3.55e-02	-94.35	-771.86	-285.38	-580.82	304.85
7	95	138	-0.17	-0.95	-0.40	-0.72	-0.35	338.60	114.31	244.58	208.32	-110.67
7	95	139	0.50	0.20	0.32	0.38	0.15	158.44	-185.19	-184.34	157.59	17.11
7	95	140	0.46	0.24	0.32	0.37	0.11	16.86	-361.83	9.20	-354.18	53.30
7	95	143	0.13	-8.78e-02	0.13	-8.59e-02	-2.00e-02	262.56	42.21	250.67	54.10	-49.78
7	96	47	0.63	-0.25	0.15	0.22	-0.44	-51.21	-228.22	-173.27	-106.16	81.90
7	96	49	-0.27	-1.80	-0.65	-1.43	0.66	194.85	-515.84	194.75	-515.74	8.69
7	96	94	0.24	-0.55	-0.26	-5.00e-02	-0.38	-57.33	-691.13	-427.92	-320.54	312.32
7	96	100	-0.89	-4.79	-4.12	-1.56	1.47	5.66	-904.74	-277.04	-622.04	421.25
7	96	101	-0.19	-0.27	-0.19	-0.27	3.13e-03	-55.02	-313.41	-110.74	-257.69	106.27
7	96	102	0.36	-1.48	-1.48	0.35	3.33e-02	62.34	-224.28	-45.44	-116.51	138.84
7	96	136	0.86	0.47	0.60	0.72	-0.19	249.19	-18.56	71.94	158.69	-126.66
7	96	137	0.88	0.44	0.54	0.79	-0.18	588.10	137.91	268.64	457.36	-204.36
7	96	138	0.53	0.18	0.25	0.46	0.14	-77.19	-329.63	-203.38	-203.44	126.22
7	96	139	-0.13	-0.61	-0.22	-0.51	-0.19	74.34	-199.78	68.71	-194.15	-38.87
7	96	140	2.37e-03	-0.52	8.61e-04	-0.51	2.79e-02	360.44	-69.30	-68.28	359.42	-20.89
7	96	143	0.14	6.13e-03	6.64e-03	0.14	-8.18e-03	-85.64	-193.09	-164.32	-114.40	47.58
7	97	47	0.35	-0.48	0.16	-0.29	0.35	150.41	-25.02	121.37	4.02	-65.20
7	97	49	2.83	0.33	1.24	1.93	-1.20	563.45	-272.54	-272.45	563.37	8.47
7	97	94	1.25	0.24	1.11	0.38	0.35	760.36	29.67	533.76	256.27	-337.97
7	97	100	7.06	1.37	5.69	2.74	-2.43	1080.31	12.60	339.91	753.00	-492.28
7	97	101	0.69	0.22	0.59	0.32	-0.19	384.41	104.05	185.94	302.53	-127.48
7	97	102	2.48	2.10e-02	2.46	4.27e-02	-0.23	325.22	-56.98	134.49	133.75	-191.10
7	97	136	-0.69	-1.13	-0.72	-1.10	0.11	-29.59	-463.95	-205.21	-288.33	213.16
7	97	137	-0.95	-1.00	-0.97	-0.99	2.26e-02	-113.98	-812.66	-326.47	-600.17	321.42
7	97	138	-0.29	-1.06	-0.51	-0.84	-0.35	379.02	108.62	264.40	223.25	-133.63
7	97	139	0.44	0.12	0.20	0.35	0.14	135.52	-203.25	-203.22	135.49	3.17
7	97	140	0.46	0.16	0.17	0.45	5.51e-02	19.97	-392.64	11.02	-383.69	60.10
7	97	143	3.05e-02	-0.16	2.96e-02	-0.16	-1.27e-02	278.22	30.52	266.23	42.51	-53.16
7	98	47	0.45	-0.30	1.22e-02	0.14	-0.37	-78.39	-236.23	-169.18	-145.44	78.02
7	98	49	-0.69	-1.91	-0.98	-1.62	0.52	171.95	-488.18	170.28	-486.50	-33.21
7	98	94	5.51e-02	-0.84	-0.59	-0.19	-0.40	-78.32	-661.74	-394.90	-345.16	290.65
7	98	100	-0.61	-4.66	-3.84	-1.43	1.63	73.14	-761.69	-103.69	-584.86	341.11
7	98	101	-0.30	-0.49	-0.48	-0.31	4.99e-02	-73.10	-285.31	-108.67	-249.73	79.27
7	98	102	0.35	-1.88	-1.88	0.35	8.37e-02	74.39	-222.11	9.34	-157.07	122.70
7	98	136	0.72	0.40	0.47	0.65	-0.13	216.28	-35.49	40.33	140.45	-115.50
7	98	137	0.74	0.28	0.31	0.71	-0.12	548.06	117.52	227.56	438.02	-187.80
7	98	138	0.42	6.62e-02	0.14	0.34	0.14	-82.74	-289.34	-183.57	-188.51	103.27
7	98	139	-0.22	-0.66	-0.34	-0.54	-0.20	59.92	-226.34	49.82	-216.24	-52.81
7	98	140	-0.15	-0.44	-0.15	-0.44	-2.33e-02	330.41	-66.96	-66.46	329.91	-14.09
7	98	143	6.19e-02	-9.20e-02	-9.20e-02	6.19e-02	-8.17e-04	-91.73	-183.01	-148.76	-125.99	44.20
7	99	47	0.42	-0.34	0.28	-0.21	0.29	162.20	5.09	125.96	41.34	-66.19
7	99	49	2.97	0.83	1.62	2.18	-1.03	552.19	-255.49	-249.96	546.66	66.60
7	99	94	1.60	0.40	1.47	0.53	0.38	764.52	60.23	516.45	308.29	-336.41
7	99	100	7.24	1.24	5.71	2.77	-2.61	939.11	-69.80	135.75	733.56	-406.36
7	99	101	0.99	0.29	0.91	0.38	-0.23	363.49	132.47	189.98	305.98	-99.89
7	99	102	2.98	2.11e-02	2.95	4.94e-02	-0.29	321.81	-59.78	67.03	194.99	-

179.75												
7	99	136	-0.58	-1.07	-0.59	-1.06	6.01e-02	-7.39	-440.83	-171.15	-277.07	210.15
7	99	137	-0.72	-0.94	-0.72	-0.94	-1.40e-02	-95.53	-790.55	-284.48	-601.59	309.23
7	99	138	-0.17	-0.99	-0.39	-0.77	-0.37	343.90	120.94	249.86	214.99	-
110.11												
7	99	139	0.56	0.22	0.36	0.42	0.17	160.75	-188.28	-186.85	159.33	22.24
7	99	140	0.48	0.26	0.35	0.39	0.11	17.74	-387.16	10.73	-380.15	52.81
7	99	143	0.14	-8.55e-02	0.14	-8.37e-02	-2.00e-02	270.04	48.83	256.92	61.95	-52.25
7	100	47	0.65	-0.26	0.17	0.22	-0.45	-68.78	-250.71	-183.83	-135.66	87.72
7	100	49	-0.34	-1.80	-0.69	-1.45	0.62	194.32	-530.99	194.09	-530.76	-12.99
7	100	94	0.23	-0.57	-0.27	-5.94e-02	-0.38	-59.71	-736.52	-446.14	-350.09	334.98
7	100	100	-0.77	-4.54	-3.85	-1.46	1.46	20.59	-896.74	-232.72	-643.43	410.13
7	100	101	-0.22	-0.29	-0.23	-0.29	-8.17e-03	-65.35	-325.27	-117.82	-272.79	104.33
7	100	102	0.35	-1.51	-1.51	0.35	3.22e-02	69.98	-237.97	-29.09	-138.90	143.85
7	100	136	0.90	0.47	0.61	0.76	-0.20	261.91	-27.28	67.61	167.02	-
135.78												
7	100	137	0.92	0.40	0.51	0.81	-0.21	610.75	138.61	264.53	484.83	-
208.79												
7	100	138	0.45	0.18	0.24	0.39	0.11	-85.62	-334.53	-208.98	-211.16	124.45
7	100	139	-0.15	-0.67	-0.25	-0.56	-0.21	77.47	-230.24	70.84	-223.62	-44.66
7	100	140	-2.42e-02	-0.54	-2.54e-02	-0.54	2.54e-02	388.03	-70.90	-70.03	387.17	-19.93
7	100	143	0.13	-9.26e-04	-4.07e-04	0.13	-8.37e-03	-90.55	-202.91	-171.28	-122.19	50.53
7	101	47	0.35	-0.50	0.14	-0.29	0.36	169.12	-3.68	131.92	33.52	-71.02
7	101	49	2.82	0.41	1.27	1.96	-1.16	579.46	-272.86	-271.79	578.39	30.15
7	101	94	1.26	0.25	1.12	0.39	0.35	803.31	34.50	551.99	285.82	-
360.63												
7	101	100	6.82	1.24	5.42	2.64	-2.42	1072.41	-2.43	295.59	774.39	-
481.15												
7	101	101	0.71	0.25	0.62	0.33	-0.18	395.48	115.17	193.03	317.63	-
125.55												
7	101	102	2.52	2.29e-02	2.50	4.42e-02	-0.23	334.18	-59.89	118.15	156.14	-
196.12												
7	101	136	-0.69	-1.17	-0.72	-1.14	0.12	-21.38	-476.16	-200.88	-296.66	222.29
7	101	137	-0.91	-1.04	-0.93	-1.02	4.70e-02	-115.17	-834.82	-322.35	-627.64	325.85
7	101	138	-0.28	-0.98	-0.50	-0.77	-0.32	383.77	117.20	270.00	230.97	-
131.85												
7	101	139	0.50	0.14	0.23	0.40	0.16	165.18	-205.58	-205.36	164.96	8.96
7	101	140	0.48	0.19	0.20	0.47	5.76e-02	20.86	-419.53	12.77	-411.44	59.14
7	101	143	3.75e-02	-0.16	3.67e-02	-0.16	-1.25e-02	286.52	36.97	273.19	50.29	-56.11
7	102	47	0.47	-0.30	2.84e-02	0.14	-0.38	-76.02	-245.32	-177.86	-143.48	82.89
7	102	49	-0.77	-1.94	-1.04	-1.68	0.49	175.88	-502.65	172.26	-499.03	-49.44
7	102	94	5.23e-02	-0.87	-0.63	-0.20	-0.41	-80.24	-702.92	-410.60	-372.56	310.76
7	102	100	-0.78	-4.96	-4.15	-1.59	1.65	89.58	-765.06	-72.88	-602.60	335.33
7	102	101	-0.32	-0.52	-0.51	-0.33	4.09e-02	-80.51	-295.42	-114.78	-261.15	78.68
7	102	102	0.35	-1.97	-1.97	0.35	9.08e-02	84.10	-239.82	22.03	-177.75	127.49
7	102	136	0.75	0.41	0.48	0.68	-0.14	227.88	-42.58	37.88	147.43	-
123.64												
7	102	137	0.78	0.25	0.30	0.74	-0.15	567.23	118.21	226.66	458.79	-
192.18												
7	102	138	0.47	5.56e-02	0.13	0.39	0.16	-89.25	-294.77	-188.84	-195.18	102.71
7	102	139	-0.24	-0.72	-0.37	-0.58	-0.21	64.23	-229.88	52.34	-217.99	-57.94
7	102	140	-0.17	-0.45	-0.18	-0.45	-2.80e-02	356.32	-68.43	-67.99	355.89	-13.61
7	102	143	5.97e-02	-0.10	-0.10	5.97e-02	-8.39e-04	-96.57	-192.28	-155.01	-133.84	46.67
7	103	47	0.42	-0.34	0.28	-0.21	0.29	167.24	16.73	126.89	57.07	-66.67
7	103	49	2.95	0.83	1.61	2.16	-1.02	553.90	-254.63	-248.64	547.91	69.33
7	103	94	1.59	0.40	1.46	0.53	0.37	766.93	60.15	517.71	309.36	-
337.69												
7	103	100	6.98	1.08	5.43	2.64	-2.60	937.06	-72.68	128.99	735.39	-
403.69												
7	103	101	0.99	0.29	0.91	0.37	-0.23	364.42	133.88	190.47	307.82	-99.22
7	103	102	2.95	2.38e-02	2.93	5.16e-02	-0.28	321.88	-60.83	65.20	195.85	-
179.86												
7	103	136	-0.58	-1.07	-0.59	-1.07	6.24e-02	-6.58	-441.38	-170.21	-277.74	210.64
7	103	137	-0.71	-0.94	-0.71	-0.94	-1.25e-02	-95.24	-792.58	-282.87	-604.94	309.25
7	103	138	-0.17	-0.93	-0.39	-0.71	-0.34	343.62	121.92	250.02	215.52	-
109.50												
7	103	139	0.56	0.22	0.36	0.42	0.17	174.60	-188.07	-186.66	173.20	22.57
7	103	140	0.48	0.26	0.35	0.39	0.11	17.78	-387.97	10.84	-381.04	52.57
7	103	143	0.14	-8.45e-02	0.14	-8.27e-02	-1.99e-02	270.48	48.71	257.27	61.92	-52.49
7	104	47	0.65	-0.26	0.17	0.23	-0.45	-58.66	-244.16	-182.89	-119.93	87.24
7	104	49	-0.35	-1.82	-0.70	-1.47	0.62	195.55	-529.66	195.41	-529.51	-10.26
7	104	94	0.23	-0.57	-0.28	-5.59e-02	-0.39	-59.82	-734.08	-444.88	-349.01	333.70

7	104	100	-0.91	-4.81	-4.14	-1.58	1.47	18.62	-899.70	-239.47	-641.60	412.80
7	104	101	-0.23	-0.29	-0.23	-0.29	-7.03e-03	-64.04	-324.24	-117.33	-270.95	105.00
7	104	102	0.36	-1.54	-1.53	0.36	3.63e-02	68.91	-237.87	-30.92	-138.04	143.74
7	104	136	0.89	0.48	0.62	0.75	-0.20	261.30	-26.41	68.55	166.34	-135.29
7	104	137	0.92	0.41	0.51	0.81	-0.20	608.71	138.91	266.13	481.48	-208.77
7	104	138	0.52	0.18	0.24	0.45	0.14	-84.67	-334.79	-208.82	-210.64	125.06
7	104	139	-0.15	-0.66	-0.25	-0.56	-0.21	77.86	-216.59	71.03	-209.75	-44.33
7	104	140	-2.42e-02	-0.53	-2.54e-02	-0.53	2.43e-02	387.17	-70.81	-69.92	386.28	-20.17
7	104	143	0.14	-1.84e-03	-1.34e-03	0.14	-8.28e-03	-90.70	-202.45	-170.93	-122.22	50.29
7	105	47	0.35	-0.49	0.14	-0.29	0.36	164.83	-16.06	130.98	17.79	-70.55
7	105	49	2.84	0.42	1.28	1.97	-1.16	578.03	-273.99	-273.11	577.14	27.42
7	105	94	1.27	0.25	1.13	0.39	0.35	800.91	34.56	550.73	284.75	-359.36
7	105	100	7.08	1.39	5.71	2.76	-2.44	1075.38	-0.47	302.34	772.57	-483.83
7	105	101	0.71	0.25	0.62	0.34	-0.18	394.62	113.70	192.53	315.78	-126.22
7	105	102	2.54	2.02e-02	2.52	4.20e-02	-0.23	334.42	-59.16	119.98	155.28	-196.00
7	105	136	-0.70	-1.17	-0.73	-1.14	0.12	-22.16	-475.64	-201.82	-295.98	221.80
7	105	137	-0.92	-1.04	-0.94	-1.02	4.56e-02	-115.36	-832.88	-323.96	-624.29	325.82
7	105	138	-0.28	-1.04	-0.50	-0.83	-0.34	384.06	116.23	269.83	230.45	-132.46
7	105	139	0.50	0.14	0.23	0.40	0.16	151.31	-205.76	-205.55	151.10	8.63
7	105	140	0.48	0.19	0.20	0.47	5.87e-02	20.84	-418.73	12.66	-410.55	59.38
7	105	143	3.84e-02	-0.16	3.76e-02	-0.16	-1.26e-02	286.08	37.09	272.84	50.33	-55.87
7	106	47	0.47	-0.30	3.03e-02	0.14	-0.38	-85.07	-252.94	-178.80	-159.21	83.37
7	106	49	-0.76	-1.92	-1.03	-1.66	0.49	174.97	-504.31	170.94	-500.28	-52.16
7	106	94	5.08e-02	-0.87	-0.61	-0.20	-0.41	-80.13	-705.36	-411.86	-373.63	312.03
7	106	100	-0.63	-4.69	-3.86	-1.46	1.64	92.63	-763.18	-66.12	-604.43	332.66
7	106	101	-0.32	-0.52	-0.51	-0.32	3.98e-02	-81.70	-296.56	-115.27	-262.99	78.00
7	106	102	0.35	-1.94	-1.94	0.35	8.67e-02	85.51	-240.25	23.86	-178.60	127.60
7	106	136	0.76	0.41	0.48	0.68	-0.14	228.53	-43.49	36.94	148.11	-124.14
7	106	137	0.78	0.24	0.29	0.74	-0.15	569.41	117.78	225.05	462.14	-192.20
7	106	138	0.40	6.03e-02	0.13	0.33	0.14	-90.20	-294.51	-189.00	-195.71	102.10
7	106	139	-0.24	-0.72	-0.37	-0.58	-0.21	63.64	-243.34	52.15	-231.85	-58.27
7	106	140	-0.17	-0.46	-0.18	-0.45	-2.69e-02	357.19	-68.52	-68.10	356.77	-13.37
7	106	143	5.87e-02	-1.00e-01	-1.00e-01	5.87e-02	-9.21e-04	-96.45	-192.72	-155.36	-133.81	46.91

M_G	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
		-8.17	-6.75	-2.74	-3.74		-1427.68	-709.09	-1016.84	-732.89
	10.45		8.31	3.92	2.78	1603.25		814.94	1147.80	661.86

Macro	Tipo	Angolo 1-X (gradi)
9	**Guscio**	**0.0**

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
9	1	14	2.80	0.11	1.69	1.22	1.32	28.26	-206.77	-59.68	-118.83	-113.73
9	1	15	0.26	-0.36	-3.24e-02	-6.27e-02	-0.31	10.64	-33.66	-6.98	-16.04	-21.68
9	1	108	4.23	0.93	3.13	2.03	1.55	35.16	-226.41	-123.19	-68.06	-127.85
9	1	115	-0.17	-0.72	-0.47	-0.42	-0.27	14.20	-81.00	-45.46	-21.34	-46.05
9	1	116	0.36	-3.03e-02	0.34	-1.78e-02	6.85e-02	37.97	-82.60	-11.74	-32.88	-59.35
9	1	117	-0.10	-0.18	-0.10	-0.18	-1.41e-02	29.74	-8.69	29.58	-8.53	2.49
9	1	121	1.57	0.38	0.93	1.03	0.59	34.60	-210.61	-12.64	-163.37	-96.71
9	1	122	0.44	3.87e-02	0.25	0.23	0.20	39.79	-113.52	20.24	-93.97	-51.14
9	1	151	-5.47e-03	-3.63e-02	-6.57e-03	-3.52e-02	5.72e-03	-11.94	-24.28	-16.51	-19.71	-5.96
9	1	152	0.16	4.55e-02	6.47e-02	0.14	-4.23e-02	3.46	-19.36	3.40	-19.30	1.17
9	1	153	0.13	-7.41e-02	-6.58e-02	0.12	4.02e-02	39.91	-13.80	-13.77	39.88	-1.14
9	1	160	0.39	-0.34	0.38	-0.33	-5.65e-02	49.73	-80.68	-36.47	5.52	-61.73
9	2	14	8.50	0.43	5.79	3.14	3.81	68.82	-786.09	-307.30	-409.97	-424.36

9	2	15	1.05	0.37	1.05	0.37	-2.80e-02	8.35	-136.03	-60.71	-66.97	-72.12
9	2	108	15.43	3.37	11.55	7.25	5.63	108.04	-921.63	-593.34	-220.25	-479.85
9	2	115	0.61	-0.38	0.41	-0.18	-0.40	16.94	-249.18	-154.18	-78.06	-127.50
9	2	116	2.19	-0.33	2.11	-0.25	0.46	127.08	-282.11	-74.08	-80.96	-204.57
9	2	117	1.41	-0.62	0.75	4.13e-02	0.95	51.78	-51.60	45.63	-45.44	-24.47
9	2	121	2.19	0.56	1.98	0.77	0.54	104.52	-754.32	-93.78	-556.02	-361.92
9	2	122	1.96	-0.53	1.48	-5.25e-02	0.98	122.56	-365.72	40.29	-283.44	-182.77
9	2	151	0.14	-0.25	-0.25	0.13	-5.64e-02	-7.58	-84.91	-13.26	-79.23	-20.18
9	2	152	-4.70e-03	-0.28	-0.25	-3.23e-02	8.23e-02	-28.63	-91.00	-36.26	-83.37	20.44
9	2	153	0.17	0.11	0.12	0.16	-2.13e-02	115.89	-70.18	-69.83	115.54	-8.06
9	2	160	2.61	-0.62	2.61	-0.61	-7.49e-02	161.25	-315.07	-211.58	57.75	-196.43
9	3	14	2.04	8.02e-02	1.22	0.90	0.97	21.05	-148.20	-41.23	-85.91	-81.62
9	3	15	0.19	-0.29	-4.54e-02	-5.65e-02	-0.24	8.25	-23.98	-4.35	-11.38	-15.73
9	3	108	3.04	0.67	2.25	1.46	1.12	25.81	-161.18	-85.89	-49.48	-91.70
9	3	115	-0.15	-0.56	-0.38	-0.33	-0.21	10.87	-59.14	-32.92	-15.35	-33.88
9	3	116	0.24	-1.76e-02	0.23	-9.35e-03	4.53e-02	27.58	-59.82	-7.86	-24.38	-42.92
9	3	117	-8.21e-02	-0.16	-9.61e-02	-0.14	-2.91e-02	22.66	-6.07	22.45	-5.86	2.43
9	3	121	1.21	0.28	0.69	0.80	0.46	25.34	-151.79	-8.19	-118.26	-69.39
9	3	122	0.32	3.55e-02	0.17	0.18	0.14	29.08	-82.60	15.19	-68.71	-36.85
9	3	151	4.73e-04	-3.11e-02	-5.42e-04	-3.01e-02	5.57e-03	-9.04	-17.76	-12.76	-14.04	-4.31
9	3	152	0.13	3.86e-02	5.57e-02	0.11	-3.49e-02	3.38	-13.66	3.36	-13.64	0.53
9	3	153	9.99e-02	-6.08e-02	-5.41e-02	9.32e-02	3.21e-02	29.27	-9.55	-9.54	29.25	-0.75
9	3	160	0.26	-0.26	0.25	-0.25	-4.31e-02	36.33	-57.82	-24.75	3.26	-44.95
9	4	14	7.75	0.40	5.32	2.82	3.46	61.77	-727.68	-288.86	-377.06	-392.25
9	4	15	1.04	0.38	1.04	0.38	3.76e-02	6.01	-126.40	-58.09	-62.31	-66.17
9	4	108	14.24	3.11	10.67	6.69	5.20	98.92	-856.63	-556.04	-201.67	-443.70
9	4	115	0.65	-0.24	0.50	-8.73e-02	-0.33	13.62	-227.32	-141.64	-72.06	-115.34
9	4	116	2.08	-0.32	2.00	-0.24	0.44	116.80	-259.46	-70.19	-72.47	-188.13
9	4	117	1.41	-0.58	0.76	7.87e-02	0.94	45.33	-49.61	38.50	-42.78	-24.54
9	4	121	1.87	0.41	1.75	0.54	0.41	95.34	-695.57	-89.33	-510.91	-334.59
9	4	122	1.83	-0.54	1.39	-0.10	0.92	111.93	-334.88	35.24	-258.18	-168.48
9	4	151	0.14	-0.25	-0.24	0.13	-5.65e-02	-4.54	-78.53	-9.51	-73.55	-18.53
9	4	152	-2.64e-02	-0.29	-0.26	-6.10e-02	8.97e-02	-28.35	-85.66	-36.30	-77.71	19.81
9	4	153	0.16	0.10	0.13	0.13	-2.94e-02	105.26	-65.94	-65.60	104.91	-7.66
9	4	160	2.48	-0.53	2.48	-0.53	-6.15e-02	148.21	-292.58	-199.86	55.49	-179.65
9	5	14	2.10	8.43e-02	1.26	0.92	1.00	21.44	-154.33	-43.87	-89.02	-84.94
9	5	15	0.20	-0.28	-3.38e-02	-5.18e-02	-0.24	8.21	-25.06	-4.93	-11.92	-16.26
9	5	108	3.16	0.70	2.34	1.52	1.16	26.51	-168.52	-90.90	-51.11	-95.46
9	5	115	-0.14	-0.56	-0.37	-0.33	-0.21	10.90	-60.93	-34.08	-15.95	-34.75
9	5	116	0.26	-2.08e-02	0.25	-1.18e-02	4.95e-02	28.50	-61.92	-8.52	-24.90	-44.46
9	5	117	-8.10e-02	-0.15	-8.70e-02	-0.14	-1.88e-02	22.78	-6.41	22.62	-6.26	2.14
9	5	121	1.21	0.29	0.70	0.79	0.46	26.06	-157.57	-9.06	-122.45	-72.22
9	5	122	0.33	3.24e-02	0.18	0.18	0.15	29.94	-85.27	15.40	-70.73	-38.25
9	5	151	-2.17e-03	-2.93e-02	-3.09e-03	-2.84e-02	4.91e-03	-9.13	-18.27	-12.73	-14.68	-4.47
9	5	152	0.12	3.66e-02	5.24e-02	0.11	-3.35e-02	2.97	-14.35	2.94	-14.32	0.74
9	5	153	0.10	-5.86e-02	-5.22e-02	9.36e-02	3.14e-02	30.08	-10.15	-10.14	30.06	-0.82
9	5	160	0.28	-0.26	0.28	-0.26	-4.33e-02	37.41	-60.21	-26.62	3.82	-46.38
9	6	14	5.90	0.30	4.00	2.20	2.65	48.33	-540.40	-208.96	-283.11	-292.02
9	6	15	0.69	0.23	0.69	0.24	-5.25e-02	6.65	-93.27	-40.75	-45.87	-49.89
9	6	108	10.63	2.32	7.95	5.00	3.88	74.86	-631.76	-404.34	-152.56	-330.13
9	6	115	0.37	-0.32	0.22	-0.17	-0.29	12.72	-173.05	-106.56	-53.76	-89.05
9	6	116	1.48	-0.22	1.43	-0.17	0.31	87.80	-194.83	-50.08	-56.95	-141.27
9	6	117	0.91	-0.42	0.48	7.28e-03	0.63	37.01	-34.56	33.32	-30.86	-15.84
9	6	121	1.59	0.44	1.41	0.62	0.42	72.60	-519.96	-63.15	-384.21	-249.02
9	6	122	1.33	-0.34	1.00	-8.87e-03	0.67	85.05	-253.33	28.77	-197.05	-

126.01												
9	6	151	8.58e-02	-0.17	-0.16	8.04e-02	-3.65e-02	-6.50	-58.42	-10.56	-54.35	-13.95
9	6	152	8.81e-03	-0.17	-0.16	-5.91e-03	4.95e-02	-18.69	-61.85	-23.50	-57.03	13.59
9	6	153	0.12	6.98e-02	7.17e-02	0.12	-9.55e-03	80.73	-47.74	-47.51	80.50	-5.43
9	6	160	1.76	-0.44	1.76	-0.44	-5.56e-02	111.43	-216.14	-143.35	38.64	-
136.18												
9	7	14	2.10	8.43e-02	1.26	0.92	1.00	21.44	-154.33	-43.87	-89.02	-84.94
9	7	15	0.20	-0.28	-3.38e-02	-5.18e-02	-0.24	8.21	-25.06	-4.93	-11.92	-16.26
9	7	108	3.16	0.70	2.34	1.52	1.16	26.51	-168.52	-90.90	-51.11	-95.46
9	7	115	-0.14	-0.56	-0.37	-0.33	-0.21	10.90	-60.93	-34.08	-15.95	-34.75
9	7	116	0.26	-2.08e-02	0.25	-1.18e-02	4.95e-02	28.50	-61.92	-8.52	-24.90	-44.46
9	7	117	-8.10e-02	-0.15	-8.70e-02	-0.14	-1.88e-02	22.78	-6.41	22.62	-6.26	2.14
9	7	121	1.21	0.29	0.70	0.79	0.46	26.06	-157.57	-9.06	-122.45	-72.22
9	7	122	0.33	3.24e-02	0.18	0.18	0.15	29.94	-85.27	15.40	-70.73	-38.25
9	7	151	-2.17e-03	-2.93e-02	-3.09e-03	-2.84e-02	4.91e-03	-9.13	-18.27	-12.73	-14.68	-4.47
9	7	152	0.12	3.66e-02	5.24e-02	0.11	-3.35e-02	2.97	-14.35	2.94	-14.32	0.74
9	7	153	0.10	-5.86e-02	-5.22e-02	9.36e-02	3.14e-02	30.08	-10.15	-10.14	30.06	-0.82
9	7	160	0.28	-0.26	0.28	-0.26	-4.33e-02	37.41	-60.21	-26.62	3.82	-46.38
9	8	14	4.76	0.24	3.18	1.82	2.16	40.06	-424.37	-159.43	-224.89	-
229.90												
9	8	15	0.50	0.12	0.47	0.15	-0.11	7.06	-72.75	-30.00	-35.69	-39.80
9	8	108	8.39	1.84	6.27	3.96	3.07	60.03	-492.46	-310.31	-122.13	-
259.73												
9	8	115	0.21	-0.38	4.09e-02	-0.21	-0.27	12.17	-139.41	-84.82	-42.42	-72.76
9	8	116	1.12	-0.16	1.07	-0.12	0.23	69.86	-154.81	-37.61	-47.34	-
112.23												
9	8	117	0.60	-0.33	0.31	-3.70e-02	0.43	32.07	-25.45	30.11	-23.48	-10.44
9	8	121	1.44	0.43	1.20	0.67	0.43	58.53	-411.14	-46.92	-305.68	-
195.98												
9	8	122	1.02	-0.22	0.75	4.81e-02	0.51	68.42	-202.81	24.76	-159.15	-99.68
9	8	151	5.13e-02	-0.12	-0.11	4.78e-02	-2.41e-02	-7.67	-45.99	-11.21	-42.45	-11.10
9	8	152	3.30e-02	-9.94e-02	-9.47e-02	2.82e-02	2.46e-02	-12.57	-47.22	-15.57	-44.22	9.74
9	8	153	0.11	3.44e-02	3.45e-02	0.11	2.74e-03	65.53	-36.46	-36.30	65.37	-4.05
9	8	160	1.32	-0.39	1.32	-0.39	-5.19e-02	88.75	-168.89	-108.33	28.19	-
109.24												
9	9	14	2.10	8.43e-02	1.26	0.92	1.00	21.44	-154.33	-43.87	-89.02	-84.94
9	9	15	0.20	-0.28	-3.38e-02	-5.18e-02	-0.24	8.21	-25.06	-4.93	-11.92	-16.26
9	9	108	3.16	0.70	2.34	1.52	1.16	26.51	-168.52	-90.90	-51.11	-95.46
9	9	115	-0.14	-0.56	-0.37	-0.33	-0.21	10.90	-60.93	-34.08	-15.95	-34.75
9	9	116	0.26	-2.08e-02	0.25	-1.18e-02	4.95e-02	28.50	-61.92	-8.52	-24.90	-44.46
9	9	117	-8.10e-02	-0.15	-8.70e-02	-0.14	-1.88e-02	22.78	-6.41	22.62	-6.26	2.14
9	9	121	1.21	0.29	0.70	0.79	0.46	26.06	-157.57	-9.06	-122.45	-72.22
9	9	122	0.33	3.24e-02	0.18	0.18	0.15	29.94	-85.27	15.40	-70.73	-38.25
9	9	151	-2.17e-03	-2.93e-02	-3.09e-03	-2.84e-02	4.91e-03	-9.13	-18.27	-12.73	-14.68	-4.47
9	9	152	0.12	3.66e-02	5.24e-02	0.11	-3.35e-02	2.97	-14.35	2.94	-14.32	0.74
9	9	153	0.10	-5.86e-02	-5.22e-02	9.36e-02	3.14e-02	30.08	-10.15	-10.14	30.06	-0.82
9	9	160	0.28	-0.26	0.28	-0.26	-4.33e-02	37.41	-60.21	-26.62	3.82	-46.38
9	10	14	4.38	0.22	2.91	1.69	1.99	37.31	-385.71	-142.92	-205.48	-
209.19												
9	10	15	0.45	7.36e-02	0.40	0.12	-0.13	7.20	-65.92	-26.42	-32.29	-36.44
9	10	108	7.64	1.67	5.71	3.61	2.79	55.11	-446.05	-278.96	-111.98	-
236.26												
9	10	115	0.16	-0.40	-1.75e-02	-0.23	-0.26	11.99	-128.19	-77.57	-38.64	-67.33
9	10	116	0.99	-0.14	0.96	-0.10	0.21	63.90	-141.48	-33.45	-44.13	-
102.55												
9	10	117	0.50	-0.30	0.25	-5.17e-02	0.37	30.49	-22.47	29.04	-21.02	-8.65
9	10	121	1.40	0.42	1.13	0.69	0.44	53.85	-374.87	-41.51	-279.51	-
178.30												
9	10	122	0.92	-0.18	0.67	6.70e-02	0.46	62.89	-185.98	23.42	-146.52	-90.91
9	10	151	3.98e-02	-0.10	-9.88e-02	3.69e-02	-1.99e-02	-8.04	-41.87	-11.43	-38.48	-10.15
9	10	152	4.19e-02	-7.59e-02	-7.36e-02	3.96e-02	1.63e-02	-10.50	-42.37	-12.92	-39.95	8.45
9	10	153	0.11	2.16e-02	2.22e-02	0.11	6.83e-03	60.46	-32.70	-32.56	60.32	-3.59
9	10	160	1.17	-0.37	1.17	-0.37	-5.07e-02	81.22	-153.17	-96.66	24.71	-
100.26												
9	11	14	-0.84	-27.75	-13.87	-14.71	-13.45	-217.16	-1329.69	-616.87	-929.98	-
533.78												
9	11	15	12.54	-2.77	5.01	4.76	7.65	237.88	-37.39	237.58	-37.09	-9.00
9	11	108	-1.37	-31.47	-27.52	-5.32	-10.16	329.88	-458.03	29.98	-158.13	-
382.57												
9	11	115	12.75	4.63	10.01	7.38	3.84	242.77	-80.12	228.14	-65.48	-67.16
9	11	116	2.59	-1.40	1.83	-0.64	1.56	109.25	-412.47	26.33	-329.55	-
190.75												

9	11	117	14.67	1.90	8.86	7.71	6.36	85.28	-104.07	78.95	-97.74	34.03
9	11	121	-0.92	-35.95	-6.30	-30.58	-12.62	129.48	-2057.55	-269.96	-1658.11	-845.01
9	11	122	6.86	-8.50	6.78	-8.42	1.13	539.61	-763.82	524.51	-748.71	-139.50
9	11	151	4.48	-3.99	-3.87	4.37	-0.98	39.06	-0.73	19.88	18.45	19.88
9	11	152	-1.90	-5.36	-3.67	-3.60	1.73	-1.14	-169.10	-78.86	-91.37	83.74
9	11	153	2.71	-2.70	2.63	-2.62	-0.65	135.58	74.89	111.90	98.57	-29.60
9	11	160	18.37	5.94	18.35	5.95	0.40	286.87	-420.53	-26.37	-107.28	-351.38
9	12	14	-2.25	-71.48	-35.71	-38.02	-34.60	-91.14	-219.12	-137.89	-172.37	61.62
9	12	15	25.11	-6.80	9.20	9.11	15.95	-15.43	-225.31	-92.68	-148.06	-101.22
9	12	108	-7.63	-98.81	-84.76	-21.69	-32.92	502.55	90.68	459.43	133.80	126.10
9	12	115	30.36	10.38	22.93	17.82	9.66	153.88	-127.63	145.72	-119.47	47.23
9	12	116	3.23	-3.30	2.67	-2.74	1.83	3.18	-128.49	3.15	-128.46	2.03
9	12	117	25.32	3.44	15.85	12.91	10.84	-31.62	-630.08	-379.45	-282.24	-295.26
9	12	121	-2.41	-71.99	-13.74	-60.66	-25.68	35.10	-278.57	-135.81	-107.66	-156.20
9	12	122	10.56	-17.17	10.56	-17.16	-0.40	66.22	-43.14	45.79	-22.71	-42.63
9	12	151	7.34	-6.31	-6.15	7.18	-1.47	355.23	-58.29	355.21	-58.28	-2.20
9	12	152	-3.80	-10.27	-7.31	-6.76	3.22	-10.04	-256.55	-236.86	-29.73	66.83
9	12	153	6.87	-7.46	6.69	-7.28	-1.61	4.96	-124.05	-72.59	-46.50	-63.17
9	12	160	16.80	12.09	12.75	16.14	1.64	105.96	-143.63	81.74	-119.41	-73.88
9	13	14	80.04	2.88	41.52	41.40	38.58	288.86	-675.40	-147.95	-238.59	-480.00
9	13	15	7.58	-24.84	-8.40	-8.86	-16.21	97.42	25.90	39.85	83.47	28.34
9	13	108	113.67	11.41	96.18	28.91	38.51	-4.10	-1371.01	-1017.35	-357.76	-598.62
9	13	115	-10.18	-31.06	-22.96	-18.28	-10.18	120.68	-379.34	-300.85	42.20	-181.89
9	13	116	3.06	-1.28	-0.76	2.53	-1.42	199.41	-229.28	-70.06	40.20	-207.13
9	13	117	-4.01	-24.35	-15.34	-13.02	-10.10	633.82	43.91	437.53	240.20	277.97
9	13	121	74.16	3.87	15.99	62.04	26.56	122.73	-521.31	52.78	-451.35	-200.40
9	13	122	17.36	-9.28	-9.21	17.30	1.32	59.75	-329.02	1.06	-270.33	-139.19
9	13	151	6.11	-7.26	5.96	-7.10	1.43	-17.77	-378.98	-378.07	-18.69	-18.11
9	13	152	10.20	3.81	7.17	6.83	-3.19	220.23	-59.39	211.01	-50.17	-49.93
9	13	153	7.68	-6.83	-6.64	7.50	1.63	184.83	-10.20	7.47	167.15	55.99
9	13	160	-9.98	-17.31	-10.42	-16.87	-1.74	202.42	-308.65	-275.06	168.83	-126.65
9	14	14	36.34	1.44	19.68	18.10	17.43	573.87	276.18	331.02	519.03	115.41
9	14	15	3.54	-12.27	-4.21	-4.52	-7.90	-12.79	-305.12	-290.42	-27.49	-63.89
9	14	108	46.29	5.19	38.94	12.54	15.75	-50.77	-602.97	-587.90	-65.83	-89.95
9	14	115	-4.44	-13.44	-10.04	-7.84	-4.36	9.67e-02	-395.16	-383.27	-11.79	-67.51
9	14	116	1.42	-0.91	8.19e-02	0.43	-1.15	241.90	-93.85	-93.24	241.29	-14.35
9	14	117	-2.45	-13.71	-8.35	-7.81	-5.63	81.44	-46.61	-20.87	55.70	-51.32
9	14	121	38.12	2.39	8.55	31.96	13.50	1311.26	-25.23	186.93	1099.09	488.41
9	14	122	8.56	-5.44	-5.43	8.55	-0.20	457.59	-479.58	-477.66	455.67	-42.32
9	14	151	3.78	-4.40	3.67	-4.29	0.94	-21.02	-117.13	-42.74	-95.41	-40.19
9	14	152	5.30	1.90	3.52	3.68	-1.70	102.24	-37.75	53.01	11.48	-66.84
9	14	153	2.92	-2.66	-2.58	2.84	0.67	24.57	-179.51	-177.02	22.07	22.43
9	14	160	-6.66	-16.04	-16.02	-6.69	-0.50	216.11	-226.36	-166.95	156.70	150.86
9	15	14	-0.89	-29.98	-15.00	-15.88	-14.54	-225.01	-1326.72	-618.34	-933.39	-527.85
9	15	15	13.17	-3.04	5.19	4.95	8.10	235.28	-38.71	234.83	-38.25	-11.19
9	15	108	-1.68	-34.84	-30.40	-6.11	-11.29	329.20	-463.80	28.65	-163.24	-384.72
9	15	115	13.63	4.90	10.64	7.89	4.14	244.12	-82.97	229.82	-68.67	-66.87
9	15	116	2.61	-1.47	1.85	-0.71	1.59	107.15	-411.82	25.13	-329.79	-189.31
9	15	117	15.33	2.05	9.28	8.10	6.62	77.69	-103.73	72.63	-98.67	29.85
9	15	121	-1.01	-37.90	-6.71	-32.21	-13.32	129.92	-2036.00	-268.95	-1637.13	-839.53
9	15	122	7.01	-8.91	6.94	-8.84	1.06	535.00	-757.80	519.75	-742.55	-139.57
9	15	151	4.66	-4.12	-4.00	4.54	-1.01	41.11	2.26	25.20	18.17	19.10
9	15	152	-2.01	-5.63	-3.86	-3.78	1.81	-1.72	-171.40	-81.85	-91.27	84.71
9	15	153	2.90	-2.93	2.82	-2.84	-0.70	135.82	74.52	110.35	99.98	-30.21

9	15	160	18.08	6.45	18.06	6.46	0.47	286.55	-416.96	-25.53	-104.89	-349.51
9	16	14	-2.20	-69.25	-34.59	-36.86	-33.51	-94.67	-210.71	-136.43	-168.95	55.69
9	16	15	24.47	-6.53	9.01	8.92	15.50	-15.37	-221.46	-89.93	-146.90	-99.03
9	16	108	-7.33	-95.45	-81.88	-20.89	-31.80	505.61	94.06	460.76	138.91	128.25
9	16	115	29.49	10.11	22.30	17.30	9.36	152.24	-124.49	144.04	-116.28	46.94
9	16	116	3.20	-3.23	2.64	-2.67	1.81	4.35	-128.22	4.35	-128.22	0.60
9	16	117	24.66	3.29	15.43	12.52	10.58	-32.55	-621.90	-373.14	-281.31	-291.08
9	16	121	-2.32	-70.03	-13.33	-59.03	-24.98	29.00	-294.46	-136.82	-128.63	-161.68
9	16	122	10.40	-16.75	10.39	-16.74	-0.34	69.04	-47.36	50.54	-28.87	-42.55
9	16	151	7.16	-6.18	-6.02	7.00	-1.44	349.91	-58.01	349.90	-58.00	-1.42
9	16	152	-3.70	-10.00	-7.12	-6.58	3.14	-10.42	-253.29	-233.87	-29.84	65.87
9	16	153	6.67	-7.24	6.49	-7.06	-1.57	4.14	-123.11	-71.05	-47.91	-62.56
9	16	160	16.37	12.31	13.05	15.63	1.57	106.08	-146.98	80.90	-121.80	-75.75
9	17	14	77.81	2.83	40.40	40.24	37.49	280.61	-672.03	-149.42	-242.00	-474.07
9	17	15	7.31	-24.20	-8.22	-8.68	-15.76	94.27	25.13	37.09	82.32	26.15
9	17	108	110.30	11.11	93.30	28.11	37.39	-6.35	-1375.21	-1018.69	-362.87	-600.77
9	17	115	-9.91	-30.18	-22.33	-17.76	-9.88	118.06	-378.22	-299.17	39.01	-181.60
9	17	116	2.98	-1.26	-0.73	2.46	-1.39	197.43	-228.73	-71.26	39.96	-205.70
9	17	117	-3.86	-23.69	-14.92	-12.63	-9.85	625.37	45.12	431.22	239.27	273.79
9	17	121	72.21	3.78	15.58	60.41	25.85	122.51	-499.10	53.79	-430.38	-194.92
9	17	122	16.94	-9.11	-9.05	16.88	1.26	56.74	-324.61	-3.70	-264.17	-139.26
9	17	151	5.98	-7.08	5.82	-6.93	1.41	-17.95	-373.76	-372.76	-18.96	-18.89
9	17	152	9.93	3.70	6.97	6.66	-3.11	217.00	-59.04	208.02	-50.06	-48.97
9	17	153	7.46	-6.63	-6.45	7.28	1.58	185.63	-11.14	5.93	168.56	55.39
9	17	160	-10.26	-16.82	-10.72	-16.36	-1.67	203.79	-306.79	-274.21	171.22	-124.78
9	18	14	38.57	1.49	20.81	19.26	18.52	572.40	282.53	332.49	522.44	109.47
9	18	15	3.81	-12.91	-4.39	-4.70	-8.36	-12.50	-301.50	-287.66	-26.34	-61.70
9	18	108	49.66	5.49	41.82	13.33	16.87	-46.45	-600.85	-586.57	-60.72	-87.80
9	18	115	-4.71	-14.31	-10.67	-8.35	-4.66	3.24	-396.79	-384.95	-8.60	-67.80
9	18	116	1.48	-0.92	5.97e-02	0.50	-1.18	242.28	-92.79	-92.04	241.53	-15.79
9	18	117	-2.60	-14.38	-8.77	-8.20	-5.88	80.11	-38.03	-14.55	56.63	-47.14
9	18	121	40.07	2.48	8.96	33.59	14.20	1289.46	-25.42	185.92	1078.12	482.93
9	18	122	8.98	-5.60	-5.60	8.97	-0.14	451.44	-474.84	-472.91	449.51	-42.24
9	18	151	3.92	-4.58	3.80	-4.47	0.97	-25.69	-117.50	-48.05	-95.14	-39.41
9	18	152	5.57	2.00	3.72	3.86	-1.78	105.07	-37.70	56.00	11.37	-67.81
9	18	153	3.15	-2.86	-2.78	3.06	0.71	23.33	-178.14	-175.47	20.66	23.03
9	18	160	-7.16	-15.76	-15.72	-7.20	-0.57	212.66	-226.14	-167.79	154.31	148.99
9	19	14	22.12	-21.85	16.39	-16.12	-14.80	-207.58	-1316.30	-603.31	-920.57	-531.18
9	19	15	13.30	-3.08	5.21	5.02	8.19	232.55	-40.65	232.13	-40.23	-10.59
9	19	108	31.97	-33.17	-31.06	29.86	-11.53	333.56	-469.69	26.39	-162.52	-390.36
9	19	115	13.78	4.93	10.72	7.99	4.21	237.73	-83.36	223.59	-69.23	-65.87
9	19	116	2.63	-1.53	1.83	-0.74	1.63	105.02	-408.16	25.05	-328.19	-186.13
9	19	117	15.38	2.03	9.37	8.04	6.64	73.61	-102.91	69.48	-98.78	26.68
9	19	121	-1.06	-38.35	-6.83	-32.58	-13.49	123.30	-2043.81	-261.65	-1658.86	-828.28
9	19	122	7.00	-9.01	6.93	-8.94	1.06	536.40	-756.69	522.18	-742.48	-134.84
9	19	151	4.69	-4.13	-4.02	4.58	-1.01	43.36	-0.31	25.67	17.38	21.44
9	19	152	-2.02	-5.67	-3.89	-3.80	1.83	-4.88	-172.61	-82.42	-95.08	83.63
9	19	153	2.94	-2.98	2.86	-2.89	-0.71	137.03	77.21	112.66	101.58	-29.39
9	19	160	19.05	6.56	19.03	6.57	0.45	277.82	-412.30	-24.15	-110.33	-342.36
9	20	14	17.32	-62.19	-5.45	-39.43	-35.94	-76.58	-210.71	-124.34	-162.96	64.23
9	20	15	25.87	-7.11	9.39	9.36	16.49	-18.48	-230.85	-98.13	-151.20	-102.82
9	20	108	23.97	-98.77	-88.29	13.49	-34.29	494.21	91.04	455.84	129.40	118.31
9	20	115	31.39	10.68	23.64	18.43	10.02	149.79	-131.83	141.17	-123.21	48.51
9	20	116	3.27	-3.43	2.67	-2.84	1.90	2.22	-127.44	1.87	-127.10	6.65
9	20	117	26.03	3.57	16.36	13.24	11.12	-28.92	-643.28	-388.92	-283.28	-

302.60												
9	20	121	-2.54	-74.38	-14.27	-62.66	-26.55	21.85	-257.76	-127.50	-108.41	-
139.48												
9	20	122	10.72	-17.69	10.71	-17.69	-0.47	61.86	-34.87	43.46	-16.47	-37.97
9	20	151	7.55	-6.46	-6.30	7.38	-1.51	361.00	-59.35	361.00	-59.35	-0.65
9	20	152	-3.92	-10.58	-7.53	-6.96	3.32	-13.79	-260.05	-240.41	-33.43	66.72
9	20	153	7.11	-7.74	6.92	-7.55	-1.67	6.87	-122.20	-71.83	-43.49	-62.96
9	20	160	17.47	12.72	13.43	16.76	1.69	102.65	-141.14	83.96	-122.46	-64.86
9	21	14	69.96	-15.89	11.26	42.81	39.92	279.78	-689.29	-161.51	-248.00	-
482.60												
9	21	15	7.89	-25.61	-8.59	-9.12	-16.75	102.33	29.58	45.29	86.61	29.93
9	21	108	113.04	-19.60	99.71	-6.27	39.88	-6.73	-1360.40	-1013.77	-353.36	-
590.82												
9	21	115	-10.48	-32.09	-23.68	-18.89	-10.54	125.49	-375.86	-296.31	45.94	-
183.18												
9	21	116	3.19	-1.32	-0.76	2.63	-1.49	203.51	-233.45	-68.78	38.84	-
211.75												
9	21	117	-4.13	-25.06	-15.85	-13.34	-10.39	647.41	40.82	447.00	241.23	285.31
9	21	121	76.56	4.00	16.52	64.04	27.42	126.20	-532.33	44.47	-450.60	-
217.12												
9	21	122	17.89	-9.44	-9.37	17.82	1.39	64.12	-337.30	3.38	-276.57	-
143.85												
9	21	151	6.26	-7.47	6.10	-7.31	1.47	-16.56	-384.91	-383.86	-17.61	-19.66
9	21	152	10.50	3.92	7.39	7.04	-3.29	223.75	-55.65	214.56	-46.46	-49.82
9	21	153	7.96	-7.07	-6.88	7.77	1.68	181.90	-11.05	6.71	164.14	55.78
9	21	160	-10.63	-17.96	-11.10	-17.49	-1.79	209.67	-315.08	-277.28	171.88	-
135.67												
9	22	14	28.52	-19.60	-10.58	19.51	18.78	561.71	265.37	317.46	509.62	112.80
9	22	15	3.85	-13.04	-4.41	-4.78	-8.44	-10.23	-299.10	-284.97	-24.35	-62.29
9	22	108	46.70	-26.87	42.47	-22.64	17.12	-48.83	-596.93	-584.32	-61.44	-82.16
9	22	115	-4.74	-14.47	-10.76	-8.45	-4.72	4.31	-391.08	-378.72	-8.05	-68.79
9	22	116	1.55	-0.94	7.71e-02	0.53	-1.22	241.01	-93.04	-91.96	239.93	-18.97
9	22	117	-2.58	-14.42	-8.86	-8.14	-5.91	78.29	-32.96	-11.40	56.74	-43.97
9	22	121	40.52	2.52	9.08	33.96	14.36	1298.51	-20.04	178.62	1099.85	471.68
9	22	122	9.08	-5.59	-5.59	9.08	-0.13	451.82	-477.72	-475.34	449.44	-46.98
9	22	151	3.93	-4.62	3.82	-4.50	0.97	-23.82	-119.05	-48.53	-94.34	-41.74
9	22	152	5.61	2.02	3.74	3.88	-1.79	105.73	-33.99	56.57	15.18	-66.73
9	22	153	3.20	-2.90	-2.81	3.11	0.72	21.54	-180.25	-177.77	19.07	22.21
9	22	160	-7.28	-16.73	-16.69	-7.31	-0.55	212.46	-221.88	-169.17	159.75	141.84
9	23	14	21.74	-23.75	15.27	-17.29	-15.89	-215.42	-1313.34	-604.78	-923.98	-
525.25												
9	23	15	13.94	-3.35	5.39	5.21	8.64	229.98	-41.99	229.38	-41.39	-12.78
9	23	108	31.51	-36.38	-33.94	29.07	-12.66	332.88	-475.45	25.06	-167.64	-
392.51												
9	23	115	14.66	5.20	11.35	8.51	4.51	239.08	-86.22	225.27	-72.41	-65.58
9	23	116	2.65	-1.60	1.86	-0.81	1.66	102.93	-407.51	23.85	-328.43	-
184.70												
9	23	117	16.04	2.17	9.79	8.43	6.90	66.22	-102.76	63.17	-99.71	22.50
9	23	121	-1.15	-40.30	-7.24	-34.21	-14.19	123.68	-2022.21	-260.64	-1637.89	-
822.80												
9	23	122	7.15	-9.42	7.10	-9.36	0.99	531.78	-750.67	517.43	-736.32	-
134.91												
9	23	151	4.87	-4.27	-4.15	4.75	-1.04	45.83	2.25	30.98	17.10	20.65
9	23	152	-2.12	-5.94	-4.08	-3.98	1.91	-5.46	-174.91	-85.40	-94.97	84.59
9	23	153	3.14	-3.20	3.05	-3.11	-0.75	137.32	76.78	111.11	102.99	-30.00
9	23	160	18.76	7.06	18.73	7.08	0.52	277.49	-408.73	-23.30	-107.94	-
340.49												
9	24	14	17.47	-60.06	-4.32	-38.27	-34.85	-80.09	-202.32	-122.87	-159.54	58.30
9	24	15	25.24	-6.84	9.21	9.18	16.04	-18.44	-226.98	-95.37	-150.04	-
100.63												
9	24	108	24.31	-95.44	-85.41	14.28	-33.17	497.18	94.51	457.18	134.51	120.46
9	24	115	30.52	10.41	23.01	17.92	9.72	148.16	-128.70	139.49	-120.03	48.22
9	24	116	3.24	-3.35	2.65	-2.77	1.88	3.28	-127.06	3.07	-126.85	5.21
9	24	117	25.37	3.42	15.94	12.85	10.87	-29.87	-635.08	-382.61	-282.34	-
298.42												
9	24	121	-2.45	-72.43	-13.86	-61.03	-25.85	16.01	-273.90	-128.51	-129.38	-
144.95												
9	24	122	10.55	-17.27	10.55	-17.27	-0.41	64.67	-39.08	48.22	-22.63	-37.89
9	24	151	7.37	-6.33	-6.17	7.21	-1.48	355.69	-59.08	355.69	-59.08	0.13
9	24	152	-3.81	-10.31	-7.34	-6.78	3.24	-14.17	-256.79	-237.42	-33.54	65.75
9	24	153	6.91	-7.51	6.73	-7.33	-1.62	6.03	-121.23	-70.29	-44.91	-62.35
9	24	160	17.04	12.94	13.73	16.25	1.62	102.69	-144.41	83.12	-124.85	-66.73

9	25	14	67.80	-16.02	10.13	41.65	38.83	271.52	-685.91	-162.98	-251.41	-476.67
9	25	15	7.62	-24.97	-8.41	-8.93	-16.29	99.07	28.92	42.54	85.46	27.74
9	25	108	109.70	-19.93	96.83	-7.07	38.76	-8.99	-1364.59	-1015.10	-358.47	-592.97
9	25	115	-10.21	-31.22	-23.05	-18.38	-10.24	122.87	-374.74	-294.62	42.75	-182.89
9	25	116	3.12	-1.29	-0.74	2.56	-1.46	201.51	-232.90	-69.98	38.59	-210.31
9	25	117	-3.98	-24.40	-15.43	-12.95	-10.13	638.95	42.04	440.69	240.30	281.13
9	25	121	74.61	3.91	16.11	62.41	26.72	126.09	-510.24	45.48	-429.63	-211.65
9	25	122	17.47	-9.27	-9.20	17.40	1.33	61.11	-332.89	-1.37	-270.41	-143.92
9	25	151	6.13	-7.29	5.97	-7.14	1.44	-16.73	-379.70	-378.54	-17.89	-20.44
9	25	152	10.23	3.82	7.19	6.86	-3.20	220.52	-55.30	211.58	-46.36	-48.85
9	25	153	7.73	-6.87	-6.68	7.55	1.64	182.70	-11.98	5.17	165.55	55.17
9	25	160	-10.91	-17.47	-11.39	-16.98	-1.72	210.99	-313.16	-276.44	174.27	-133.80
9	26	14	30.54	-19.33	-9.46	20.67	19.87	560.34	271.62	318.93	513.03	106.87
9	26	15	4.12	-13.67	-4.59	-4.96	-8.90	-9.93	-295.48	-282.22	-23.19	-60.10
9	26	108	49.98	-26.48	45.35	-21.85	18.24	-44.44	-594.88	-582.99	-56.32	-80.01
9	26	115	-5.01	-15.34	-11.39	-8.97	-5.02	7.44	-392.71	-380.41	-4.86	-69.08
9	26	116	1.60	-0.95	5.48e-02	0.60	-1.25	241.42	-92.02	-90.76	240.17	-20.40
9	26	117	-2.73	-15.08	-9.28	-8.53	-6.16	76.97	-24.38	-5.08	57.67	-39.79
9	26	121	42.47	2.61	9.49	35.59	15.06	1276.64	-20.16	177.61	1078.87	466.21
9	26	122	9.50	-5.75	-5.75	9.50	-7.16e-02	445.68	-472.99	-470.58	443.28	-46.90
9	26	151	4.06	-4.79	3.95	-4.68	1.00	-28.32	-119.58	-53.84	-94.06	-40.96
9	26	152	5.87	2.12	3.94	4.06	-1.88	108.56	-33.94	59.55	15.07	-67.69
9	26	153	3.42	-3.10	-3.01	3.33	0.77	20.30	-178.88	-176.23	17.66	22.82
9	26	160	-7.77	-16.44	-16.40	-7.82	-0.62	209.04	-221.70	-170.02	157.36	139.97
9	27	14	60.99	2.12	31.00	32.12	29.43	-50.09	-2533.33	-1011.55	-1571.87	-1209.60
9	27	15	5.57	-15.21	-4.57	-5.07	-10.39	581.58	106.67	553.68	134.56	111.67
9	27	108	98.01	10.29	82.55	25.76	33.43	357.11	-1763.30	-837.61	-568.58	-1051.63
9	27	115	-7.22	-23.17	-16.61	-13.79	-7.85	333.48	-159.15	139.14	35.19	-240.77
9	27	116	2.93	-6.60e-02	-5.22e-02	2.92	0.20	271.18	-686.29	19.63	-434.74	-421.40
9	27	117	-1.94	-11.44	-7.76	-5.61	-4.63	1050.50	-75.47	739.26	235.78	503.57
9	27	121	44.67	2.46	10.18	36.94	16.33	293.16	-3651.27	-313.51	-3044.60	-1423.00
9	27	122	11.39	-3.83	-3.23	10.79	2.98	926.86	-1455.33	899.81	-1428.28	-252.41
9	27	151	2.27	-2.96	2.23	-2.92	0.45	96.69	-512.34	-510.62	94.97	32.35
9	27	152	5.82	2.29	4.38	3.73	-1.73	215.73	-157.68	206.92	-148.87	56.69
9	27	153	6.49	-5.49	-5.36	6.35	1.27	330.73	251.69	290.59	291.83	39.52
9	27	160	14.93	-14.03	14.81	-13.91	-1.80	490.71	-726.75	-239.55	3.51	-596.48
9	28	14	-2.59	-84.79	-41.81	-45.57	-41.06	1565.95	-27.42	585.03	953.50	775.09
9	28	15	26.69	-7.89	9.39	9.41	17.29	-140.99	-641.53	-547.20	-235.32	-195.75
9	28	108	-10.40	-126.65	-108.24	-28.81	-42.44	1150.05	-151.66	593.89	404.51	643.93
9	28	115	35.60	11.89	26.46	21.02	11.54	0.42	-280.77	-135.58	-144.77	140.52
9	28	116	2.91	-4.25	2.74	-4.07	1.10	354.34	-176.41	-57.62	235.56	221.21
9	28	117	24.10	3.15	15.53	11.73	10.30	44.37	-1212.32	-788.75	-379.21	-594.04
9	28	121	-2.46	-75.50	-14.62	-63.34	-27.21	2452.27	-195.05	133.66	2123.56	873.02
9	28	122	9.53	-18.53	9.37	-18.37	-2.11	994.67	-698.87	-695.93	991.73	70.50
9	28	151	6.56	-5.50	-5.38	6.44	-1.21	609.36	-163.00	607.15	-160.79	-41.26
9	28	152	-4.00	-10.56	-7.78	-6.78	3.24	56.61	-319.73	-319.73	56.61	0.32
9	28	153	8.40	-9.38	8.18	-9.17	-1.94	-159.91	-356.22	-324.38	-191.76	-72.37
9	28	160	20.26	-4.08	-3.85	20.03	2.34	379.82	-295.91	120.83	-36.92	328.53
9	29	14	93.33	3.24	47.62	48.95	45.04	101.05	-2336.38	-870.88	-1364.45	-1193.46
9	29	15	8.67	-26.42	-8.59	-9.16	-17.54	535.73	129.37	494.36	170.73	122.87
9	29	108	141.52	14.16	119.66	36.03	48.03	256.56	-2036.84	-1151.81	-628.47	-1116.45
9	29	115	-11.68	-36.30	-26.50	-21.48	-12.06	302.58	-254.64	-19.55	67.49	-275.19
9	29	116	3.97	-0.93	-0.83	3.87	-0.69	287.84	-620.95	-9.29	-323.82	-

426.31												
9	29	117	-3.73	-23.12	-15.02	-11.83	-9.57	1222.54	-38.54	846.83	337.16	576.75
9	29	121	77.69	3.91	16.87	64.72	28.08	291.66	-3190.92	-216.69	-2682.57	-
1229.61												
9	29	122	18.84	-8.37	-8.02	18.50	3.03	773.70	-1315.69	742.77	-1284.77	-
252.32												
9	29	151	5.30	-6.48	5.18	-6.36	1.17	84.44	-630.62	-630.00	83.83	20.96
9	29	152	10.48	4.01	7.63	6.86	-3.21	294.52	-137.14	293.88	-136.51	16.58
9	29	153	9.60	-8.35	-8.14	9.39	1.95	356.23	215.43	259.26	312.40	65.20
9	29	160	6.40	-20.98	6.18	-20.76	-2.45	451.78	-679.59	-314.15	86.34	-
529.06												
9	30	14	-1.45	-52.47	-25.19	-28.73	-25.45	1763.91	122.71	725.71	1160.92	791.22
9	30	15	15.48	-4.79	5.37	5.32	10.13	-127.98	-677.69	-606.52	-199.15	-
184.55												
9	30	108	-6.54	-83.13	-71.13	-18.54	-27.84	892.18	-267.87	279.69	344.62	579.11
9	30	115	22.46	7.44	16.57	13.33	7.33	-63.65	-343.09	-294.28	-112.46	106.10
9	30	116	1.97	-3.13	1.96	-3.12	0.21	436.01	-176.07	-86.54	346.48	216.30
9	30	117	12.43	1.35	8.27	5.51	5.36	79.04	-1038.04	-681.18	-277.82	-
520.86												
9	30	121	-1.02	-42.47	-7.93	-35.56	-15.45	2909.99	-193.92	230.48	2485.59	
1066.40												
9	30	122	4.84	-10.92	4.57	-10.65	-2.05	1137.74	-855.47	-852.96	1135.24	70.59
9	30	151	3.04	-2.47	-2.43	3.00	-0.49	491.94	-176.11	487.76	-171.93	-52.66
9	30	152	-2.27	-5.91	-4.53	-3.65	1.77	74.13	-237.93	-232.77	68.97	-39.79
9	30	153	5.54	-6.27	5.40	-6.13	-1.25	-160.04	-366.85	-355.70	-171.18	-46.69
9	30	160	13.29	-12.59	-12.48	13.18	1.70	442.02	-349.88	46.23	45.91	395.95
9	31	14	65.21	6.56	40.08	31.69	29.03	-47.27	-2529.27	-1007.49	-1569.05	-
1208.82												
9	31	15	5.48	-14.98	-4.51	-5.00	-10.23	579.76	105.91	552.05	133.62	111.19
9	31	108	98.90	18.90	81.49	36.31	33.01	358.21	-1766.80	-838.69	-569.90	-
1053.97												
9	31	115	-7.13	-22.86	-16.39	-13.60	-7.74	331.83	-159.99	137.78	34.07	-
240.38												
9	31	116	2.90	-6.77e-02	-5.08e-02	2.89	0.22	269.79	-684.88	19.25	-434.34	-
420.01												
9	31	117	-1.90	-11.22	-7.61	-5.52	-4.54	1046.39	-74.50	736.42	235.47	501.36
9	31	121	43.95	2.42	10.03	36.34	16.07	291.62	-3647.46	-311.02	-3044.82	-
1417.98												
9	31	122	11.23	-3.78	-3.18	10.63	2.95	925.90	-1453.19	899.11	-1426.41	-
251.01												
9	31	151	2.22	-2.90	2.19	-2.86	0.44	96.42	-510.66	-508.88	94.64	32.82
9	31	152	5.73	2.26	4.31	3.67	-1.71	214.66	-158.78	205.85	-149.98	56.65
9	31	153	6.40	-5.42	-5.29	6.27	1.25	331.36	252.18	290.81	292.73	39.58
9	31	160	15.13	-13.84	15.02	-13.73	-1.79	487.78	-724.06	-238.88	2.59	-
593.77												
9	32	14	2.63	-81.35	-32.73	-45.99	-41.46	1570.01	-24.59	589.10	956.32	775.87
9	32	15	26.92	-7.99	9.45	9.48	17.45	-141.69	-643.41	-548.84	-236.26	-
196.23												
9	32	108	-1.26	-126.30	-109.30	-18.25	-42.85	1146.56	-150.56	592.81	403.19	641.59
9	32	115	35.91	11.98	26.68	21.21	11.65	-0.44	-282.39	-136.95	-145.89	140.91
9	32	116	2.92	-4.28	2.74	-4.10	1.13	355.73	-177.77	-58.01	235.97	222.60
9	32	117	24.32	3.19	15.68	11.83	10.39	45.29	-1216.39	-791.59	-379.52	-
596.24												
9	32	121	-2.50	-76.22	-14.78	-63.94	-27.47	2455.70	-196.21	136.15	2123.33	878.03
9	32	122	9.57	-18.69	9.41	-18.52	-2.13	996.65	-699.68	-696.63	993.60	71.90
9	32	151	6.62	-5.54	-5.42	6.50	-1.22	611.04	-163.27	608.88	-161.11	-40.80
9	32	152	-4.03	-10.65	-7.84	-6.84	3.27	55.50	-320.80	-320.80	55.50	0.28
9	32	153	8.47	-9.47	8.25	-9.25	-1.95	-159.16	-355.84	-324.15	-190.85	-72.31
9	32	160	20.44	-3.88	-3.64	20.21	2.36	382.52	-298.85	121.50	-37.84	331.24
9	33	14	89.72	-1.81	38.54	49.38	45.44	98.24	-2340.46	-874.95	-1367.28	-
1194.25												
9	33	15	8.77	-26.65	-8.65	-9.24	-17.71	537.58	130.10	496.00	171.68	123.35
9	33	108	141.02	5.17	120.71	25.47	48.44	255.51	-2033.40	-1150.74	-627.15	-
1114.11												
9	33	115	-11.77	-36.61	-26.71	-21.67	-12.16	304.18	-253.76	-18.19	68.61	-
275.57												
9	33	116	4.00	-0.93	-0.83	3.90	-0.71	289.26	-622.40	-8.90	-324.23	-
427.70												
9	33	117	-3.76	-23.34	-15.17	-11.93	-9.65	1226.64	-39.49	849.67	337.47	578.95
9	33	121	78.41	3.95	17.03	65.32	28.34	293.11	-3194.64	-219.18	-2682.35	-
1234.63												
9	33	122	19.00	-8.41	-8.07	18.66	3.06	774.70	-1317.86	743.47	-1286.64	-

253.71												
9	33	151	5.34	-6.54	5.22	-6.43	1.18	84.73	-632.33	-631.74	84.15	20.49
9	33	152	10.57	4.05	7.70	6.92	-3.24	295.59	-136.04	294.95	-135.40	16.62
9	33	153	9.68	-8.42	-8.21	9.47	1.97	355.48	215.05	259.03	311.50	65.13
9	33	160	6.20	-21.17	5.98	-20.95	-2.46	454.71	-682.28	-314.82	87.26	-
531.76												
9	34	14	-6.07	-56.51	-34.27	-28.31	-25.04	1759.88	119.86	721.64	1158.10	790.44
9	34	15	15.25	-4.70	5.31	5.24	9.97	-127.27	-675.83	-604.89	-198.21	-
184.07												
9	34	108	-15.35	-83.82	-70.07	-29.09	-27.43	895.71	-269.02	280.76	345.94	581.45
9	34	115	22.15	7.35	16.36	13.14	7.22	-62.78	-341.47	-292.91	-111.34	105.71
9	34	116	1.97	-3.10	1.96	-3.09	0.19	434.74	-174.82	-86.16	346.07	214.91
9	34	117	12.21	1.32	8.12	5.41	5.28	78.10	-1033.95	-678.34	-277.51	-
518.66												
9	34	121	-0.98	-41.75	-7.77	-34.96	-15.19	2906.41	-192.60	227.99	2485.81	
1061.38												
9	34	122	4.79	-10.76	4.52	-10.49	-2.03	1135.78	-854.68	-852.27	1133.37	69.20
9	34	151	2.98	-2.43	-2.38	2.93	-0.48	490.29	-175.87	486.03	-171.61	-53.13
9	34	152	-2.24	-5.82	-4.46	-3.59	1.74	75.23	-236.85	-231.70	70.08	-39.75
9	34	153	5.47	-6.18	5.33	-6.05	-1.24	-160.88	-367.14	-355.93	-172.08	-46.76
9	34	160	13.10	-12.79	-12.68	12.99	1.69	439.44	-347.05	45.56	46.83	393.25
9	35	14	53.54	1.94	27.25	28.24	25.80	-76.74	-2522.96	-1016.45	-1583.25	-
1189.83												
9	35	15	4.67	-13.09	-3.96	-4.45	-8.88	569.33	105.87	544.50	130.71	104.37
9	35	108	86.79	9.27	72.95	23.11	29.68	352.70	-1780.37	-842.05	-585.62	-
1058.80												
9	35	115	-6.33	-20.25	-14.51	-12.07	-6.85	331.88	-162.56	144.75	24.57	-
239.81												
9	35	116	2.72	-9.66e-03	2.18e-02	2.69	0.29	263.81	-683.73	15.64	-435.56	-
416.61												
9	35	117	-1.43	-9.25	-6.36	-4.31	-3.77	1021.96	-71.07	718.21	232.68	489.64
9	35	121	38.16	2.15	8.82	31.49	13.99	293.63	-3578.46	-310.13	-2974.69	-
1404.74												
9	35	122	9.99	-3.29	-2.68	9.38	2.77	911.48	-1435.28	883.96	-1407.76	-
252.65												
9	35	151	1.82	-2.37	1.80	-2.34	0.35	95.55	-494.42	-492.91	94.05	29.74
9	35	152	4.92	1.95	3.73	3.14	-1.46	207.06	-158.61	196.97	-148.52	59.90
9	35	153	5.74	-4.83	-4.71	5.62	1.11	328.89	253.08	285.44	296.53	37.49
9	35	160	13.92	-12.31	13.82	-12.21	-1.55	490.52	-715.77	-236.72	11.47	-
590.24												
9	36	14	-2.41	-77.34	-38.05	-41.69	-37.42	1555.64	-0.83	589.93	964.88	755.32
9	36	15	24.57	-6.99	8.78	8.79	15.78	-141.82	-627.65	-538.01	-231.46	-
188.45												
9	36	108	-9.38	-115.42	-98.64	-26.16	-38.70	1167.01	-147.13	598.32	421.55	651.10
9	36	115	32.67	10.99	24.36	19.30	10.54	1.94	-277.27	-141.19	-134.15	139.56
9	36	116	2.82	-4.00	2.66	-3.85	1.02	351.88	-169.14	-53.63	236.37	216.43
9	36	117	21.91	2.65	14.13	10.43	9.45	40.36	-1184.17	-767.70	-376.10	-
580.11												
9	36	121	-2.16	-68.99	-13.26	-57.90	-24.87	2378.61	-194.68	130.28	2053.65	854.76
9	36	122	8.96	-17.10	8.82	-16.96	-1.91	974.23	-683.10	-680.08	971.20	70.74
9	36	151	5.97	-5.05	-4.94	5.86	-1.11	591.43	-161.86	589.44	-159.87	-38.65
9	36	152	-3.66	-9.66	-7.13	-6.19	2.97	56.28	-309.80	-309.78	56.26	-2.89
9	36	153	7.73	-8.63	7.53	-8.43	-1.79	-164.48	-351.21	-319.23	-196.46	-70.35
9	36	160	18.53	-3.06	-2.86	18.33	2.09	368.99	-295.87	118.01	-44.89	322.30
9	37	14	85.88	3.06	43.86	45.08	41.40	74.23	-2325.83	-875.77	-1375.83	-
1173.69												
9	37	15	7.77	-24.30	-7.99	-8.54	-16.03	522.71	129.34	485.18	166.88	115.57
9	37	108	130.30	13.14	110.06	33.38	44.29	251.39	-2053.15	-1156.25	-645.51	-
1123.61												
9	37	115	-10.78	-33.38	-24.40	-19.76	-11.06	297.96	-255.04	-13.94	56.87	-
274.23												
9	37	116	3.72	-0.84	-0.75	3.64	-0.60	280.40	-618.31	-13.28	-324.63	-
421.53												
9	37	117	-3.22	-20.93	-13.62	-10.53	-8.71	1194.10	-34.25	825.78	334.06	562.82
9	37	121	71.18	3.61	15.51	59.28	25.74	291.89	-3117.87	-213.31	-2612.67	-
1211.36												
9	37	122	17.42	-7.80	-7.48	17.10	2.83	758.46	-1295.78	726.92	-1264.24	-
252.56												
9	37	151	4.85	-5.89	4.74	-5.79	1.07	83.39	-612.78	-612.30	82.91	18.34
9	37	152	9.58	3.67	6.98	6.27	-2.93	284.86	-137.09	283.93	-136.16	19.79
9	37	153	8.85	-7.69	-7.49	8.65	1.80	356.20	215.02	254.11	317.10	63.17
9	37	160	5.39	-19.26	5.19	-19.06	-2.20	452.27	-669.30	-311.33	94.31	-

522.82												
9	38	14	-1.27	-45.03	-21.44	-24.86	-21.81	1753.89	149.01	730.60	1172.30	771.45
9	38	15	13.35	-3.89	4.76	4.70	8.62	-128.31	-664.32	-597.33	-195.29	-
177.25												
9	38	108	-5.53	-71.90	-61.53	-15.89	-24.10	910.45	-264.67	284.12	361.66	586.28
9	38	115	19.53	6.54	14.47	11.61	6.33	-56.43	-345.29	-299.89	-101.84	105.14
9	38	116	1.89	-2.90	1.89	-2.90	0.12	433.92	-169.17	-82.55	347.30	211.51
9	38	117	10.24	0.84	6.87	4.21	4.51	74.90	-1009.74	-660.13	-274.72	-
506.93												
9	38	121	-0.72	-35.96	-6.57	-30.11	-13.11	2836.67	-193.89	227.11	2415.68	
1048.15												
9	38	122	4.28	-9.50	4.03	-9.25	-1.85	1117.28	-839.68	-837.11	1114.72	70.84
9	38	151	2.45	-2.03	-1.99	2.42	-0.39	473.94	-174.89	470.06	-171.01	-50.05
9	38	152	-1.92	-5.01	-3.88	-3.06	1.49	74.83	-229.03	-222.81	68.62	-43.00
9	38	153	4.87	-5.52	4.75	-5.40	-1.10	-165.12	-361.32	-350.56	-175.88	-44.67
9	38	160	11.57	-11.58	-11.49	11.48	1.45	430.40	-349.05	43.41	37.95	389.72
9	39	14	57.82	6.33	36.33	27.82	25.39	-73.91	-2518.90	-1012.38	-1580.43	-
1189.05												
9	39	15	4.58	-12.86	-3.90	-4.38	-8.72	567.52	105.11	542.86	129.76	103.89
9	39	108	87.74	17.82	71.89	33.67	29.27	353.81	-1783.87	-843.13	-586.94	-
1061.14												
9	39	115	-6.24	-19.94	-14.29	-11.88	-6.74	330.23	-163.40	143.39	23.44	-
239.42												
9	39	116	2.70	-1.33e-02	2.32e-02	2.66	0.31	262.42	-682.31	15.26	-435.15	-
415.23												
9	39	117	-1.39	-9.03	-6.21	-4.21	-3.69	1017.85	-70.11	715.37	232.37	487.43
9	39	121	37.44	2.11	8.66	30.89	13.73	292.07	-3574.62	-307.64	-2974.92	-
1399.73												
9	39	122	9.83	-3.24	-2.64	9.22	2.75	910.51	-1433.14	883.26	-1405.89	-
251.25												
9	39	151	1.78	-2.31	1.75	-2.28	0.34	95.28	-492.73	-491.18	93.72	30.21
9	39	152	4.83	1.91	3.66	3.08	-1.43	205.98	-159.71	195.90	-149.63	59.86
9	39	153	5.65	-4.76	-4.64	5.54	1.10	329.57	253.54	285.67	297.43	37.56
9	39	160	14.12	-12.12	14.03	-12.03	-1.54	487.59	-713.09	-236.06	10.56	-
587.54												
9	40	14	2.85	-73.94	-28.97	-42.12	-37.83	1559.69	2.01	593.99	967.70	756.10
9	40	15	24.80	-7.09	8.84	8.87	15.94	-142.52	-629.53	-539.65	-232.40	-
188.93												
9	40	108	-0.23	-115.08	-99.70	-15.61	-39.11	1163.51	-146.03	597.25	420.23	648.76
9	40	115	32.98	11.08	24.58	19.49	10.65	1.08	-278.90	-142.55	-135.27	139.95
9	40	116	2.83	-4.04	2.67	-3.88	1.04	353.26	-170.50	-54.02	236.78	217.81
9	40	117	22.12	2.69	14.28	10.52	9.53	41.28	-1188.23	-770.54	-376.41	-
582.32												
9	40	121	-2.20	-69.71	-13.41	-58.50	-25.13	2382.07	-195.87	132.78	2053.43	859.78
9	40	122	9.01	-17.26	8.87	-17.12	-1.93	976.21	-683.92	-680.77	973.07	72.14
9	40	151	6.04	-5.10	-4.98	5.92	-1.12	593.12	-162.13	591.18	-160.19	-38.19
9	40	152	-3.69	-9.75	-7.19	-6.25	2.99	55.17	-310.87	-310.84	55.15	-2.93
9	40	153	7.80	-8.71	7.60	-8.52	-1.80	-163.74	-350.82	-319.00	-195.56	-70.29
9	40	160	18.72	-2.86	-2.65	18.51	2.11	371.69	-298.81	118.68	-45.80	325.00
9	41	14	82.29	-2.01	34.79	45.50	41.81	71.41	-2329.91	-879.84	-1378.66	-
1174.47												
9	41	15	7.87	-24.53	-8.04	-8.62	-16.20	524.56	130.07	486.81	167.82	116.05
9	41	108	129.80	4.15	111.12	22.83	44.70	250.33	-2049.70	-1155.18	-644.19	-
1121.28												
9	41	115	-10.87	-33.69	-24.61	-19.95	-11.17	299.57	-254.16	-12.58	57.99	-
274.61												
9	41	116	3.76	-0.84	-0.76	3.67	-0.62	281.82	-619.76	-12.89	-325.04	-
422.91												
9	41	117	-3.26	-21.14	-13.77	-10.63	-8.80	1198.20	-35.20	828.62	334.37	565.02
9	41	121	71.90	3.65	15.67	59.88	26.00	293.37	-3121.62	-215.80	-2612.44	-
1216.38												
9	41	122	17.58	-7.85	-7.53	17.25	2.85	759.46	-1297.95	727.62	-1266.11	-
253.96												
9	41	151	4.90	-5.96	4.79	-5.85	1.08	83.69	-614.49	-614.04	83.23	17.88
9	41	152	9.67	3.71	7.05	6.33	-2.96	285.93	-135.98	284.99	-135.05	19.83
9	41	153	8.93	-7.76	-7.56	8.73	1.81	355.43	214.66	253.89	316.20	63.11
9	41	160	5.19	-19.45	4.99	-19.25	-2.21	455.21	-671.98	-312.00	95.22	-
525.53												
9	42	14	-5.85	-49.10	-30.52	-24.44	-21.41	1749.87	146.14	726.53	1169.48	770.67
9	42	15	13.12	-3.80	4.70	4.62	8.46	-127.59	-662.46	-595.70	-194.35	-
176.77												
9	42	108	-14.30	-72.62	-60.47	-26.45	-23.69	913.99	-265.81	285.20	362.98	588.62

9	42	115	19.22	6.45	14.26	11.42	6.23	-55.56	-343.69	-298.52	-100.72	104.75
9	42	116	1.89	-2.87	1.89	-2.87	9.92e-02	432.65	-167.93	-82.17	346.89	210.13
9	42	117	10.03	0.80	6.72	4.11	4.42	73.96	-1005.66	-657.29	-274.41	-504.73
9	42	121	-0.68	-35.24	-6.41	-29.51	-12.86	2833.06	-192.54	224.61	2415.90	1043.13
9	42	122	4.23	-9.34	3.98	-9.09	-1.83	1115.32	-838.89	-836.42	1112.85	69.44
9	42	151	2.39	-1.98	-1.95	2.36	-0.38	472.29	-174.66	468.32	-170.69	-50.52
9	42	152	-1.89	-4.92	-3.81	-3.00	1.46	75.93	-227.95	-221.75	69.73	-42.96
9	42	153	4.80	-5.43	4.68	-5.32	-1.09	-165.96	-361.61	-350.79	-176.79	-44.74
9	42	160	11.38	-11.78	-11.69	11.29	1.44	427.82	-346.22	42.74	38.86	387.01
9	43	14	-0.58	-20.94	-10.30	-11.22	-10.17	-164.01	-1132.60	-520.32	-776.28	-467.08
9	43	15	9.94	-2.10	4.05	3.79	6.02	181.91	-36.51	180.88	-35.47	-14.97
9	43	108	-0.63	-23.10	-20.35	-3.38	-7.37	265.14	-458.32	-43.10	-150.08	-357.75
9	43	115	10.01	3.68	7.91	5.78	2.98	180.72	-79.06	161.76	-60.10	-67.58
9	43	116	2.24	-1.11	1.65	-0.53	1.28	94.49	-350.40	12.85	-268.76	-172.21
9	43	117	11.71	1.44	7.05	6.10	5.11	72.87	-84.78	68.69	-80.60	25.33
9	43	121	-0.58	-28.19	-4.74	-24.03	-9.88	113.70	-1700.59	-221.04	-1365.85	-703.75
9	43	122	5.59	-6.73	5.51	-6.65	0.98	432.94	-637.26	417.03	-621.35	-129.53
9	43	151	3.55	-3.17	-3.08	3.46	-0.78	23.59	-3.82	13.37	6.40	13.26
9	43	152	-1.50	-4.25	-2.92	-2.84	1.37	-4.53	-141.38	-65.07	-80.85	67.97
9	43	153	2.14	-2.11	2.08	-2.05	-0.52	110.94	61.63	81.24	91.33	-24.13
9	43	160	14.73	4.60	14.72	4.61	0.31	237.59	-359.92	-44.96	-77.36	-298.32
9	44	14	-1.71	-55.53	-27.58	-29.66	-26.89	-140.69	-176.83	-141.30	-176.22	4.66
9	44	15	19.86	-5.29	7.35	7.22	12.58	-11.46	-192.53	-80.36	-123.62	-87.91
9	44	108	-5.61	-76.36	-65.63	-16.33	-25.38	304.45	71.86	295.28	81.03	45.27
9	44	115	23.93	8.24	18.13	14.04	7.58	99.80	-105.58	97.21	-102.98	22.95
9	44	116	2.76	-2.64	2.31	-2.19	1.49	-1.98	-113.25	-5.51	-109.72	-19.50
9	44	117	20.10	2.66	12.56	10.20	8.64	-22.98	-498.17	-294.39	-226.76	-235.18
9	44	121	-1.76	-56.67	-10.63	-47.80	-20.21	31.99	-284.58	-115.14	-137.45	-157.89
9	44	122	8.47	-13.57	8.47	-13.57	-0.22	63.96	-72.13	38.04	-46.21	-53.44
9	44	151	5.79	-5.00	-4.88	5.67	-1.17	278.74	-54.43	278.69	-54.37	-4.17
9	44	152	-3.00	-8.13	-5.80	-5.33	2.55	-15.08	-207.25	-190.19	-32.14	54.65
9	44	153	5.44	-5.88	5.29	-5.73	-1.28	10.55	-98.85	-64.87	-23.43	-50.63
9	44	160	13.23	9.73	10.29	12.66	1.29	76.21	-124.47	38.51	-86.77	-78.39
9	45	14	64.09	2.34	33.39	33.04	30.87	235.80	-615.08	-144.55	-234.73	-423.04
9	45	15	6.07	-19.59	-6.55	-6.97	-12.83	65.05	21.50	27.53	59.03	15.03
9	45	108	91.22	9.38	77.05	23.55	30.97	6.77	-1164.97	-853.20	-304.99	-517.79
9	45	115	-8.03	-24.63	-18.16	-14.50	-8.09	96.85	-323.48	-252.34	25.71	-157.61
9	45	116	2.40	-0.81	-0.40	1.99	-1.07	170.20	-210.14	-61.40	21.46	-185.60
9	45	117	-3.22	-19.13	-12.05	-10.30	-7.90	502.07	35.12	352.48	184.71	217.88
9	45	121	58.85	3.22	12.88	49.18	21.08	106.83	-496.29	32.11	-421.57	-198.71
9	45	122	13.76	-7.19	-7.12	13.70	1.15	62.14	-300.17	8.80	-246.83	-128.38
9	45	151	4.80	-5.71	4.68	-5.59	1.13	-21.66	-302.48	-301.55	-22.59	-16.14
9	45	152	8.05	3.01	5.65	5.41	-2.52	170.86	-54.28	164.34	-47.76	-37.75
9	45	153	6.09	-5.39	-5.25	5.95	1.29	156.15	-12.32	-0.25	144.08	43.45
9	45	160	-7.62	-13.73	-7.96	-13.40	-1.39	173.04	-268.68	-231.83	136.19	-122.14
9	46	14	29.52	1.19	16.11	14.60	14.15	381.47	218.34	234.47	365.33	48.70
9	46	15	2.87	-9.67	-3.25	-3.55	-6.27	-13.86	-248.97	-233.72	-29.11	-57.91
9	46	108	37.91	4.45	31.76	10.60	12.96	-45.79	-542.91	-514.83	-73.88	-114.77
9	46	115	-3.50	-10.69	-7.95	-6.24	-3.49	-2.84	-331.22	-316.89	-17.17	-67.09
9	46	116	1.15	-0.58	0.26	0.32	-0.86	184.59	-83.86	-79.76	180.50	-32.89
9	46	117	-2.00	-10.75	-6.54	-6.20	-4.37	63.17	-35.23	-10.61	38.55	-42.62
9	46	121	30.36	2.04	7.00	25.41	10.76	954.45	-9.60	138.02	806.84	347.16
9	46	122	6.78	-4.16	-4.16	6.78	-5.88e-02	332.20	-374.08	-370.19	328.31	-52.29
9	46	151	2.97	-3.47	2.89	-3.39	0.74	-18.78	-100.81	-36.22	-83.36	-33.56

9	46	152	4.19	1.50	2.77	2.92	-1.34	74.62	-34.45	39.22	0.95	-51.07
9	46	153	2.33	-2.10	-2.03	2.26	0.53	30.94	-147.98	-146.36	29.32	16.96
9	46	160	-5.32	-12.41	-12.39	-5.34	-0.41	157.99	-179.57	-148.35	126.78	97.79
9	47	14	-0.63	-22.71	-11.20	-12.15	-11.03	-170.27	-1130.18	-521.49	-778.96	-462.37
9	47	15	10.44	-2.31	4.19	3.94	6.38	180.01	-37.69	178.72	-36.41	-16.68
9	47	108	-0.88	-25.77	-22.64	-4.01	-8.26	264.47	-462.75	-44.17	-154.11	-359.43
9	47	115	10.70	3.90	8.41	6.19	3.21	181.64	-81.21	163.07	-62.64	-67.35
9	47	116	2.26	-1.17	1.67	-0.58	1.30	92.79	-349.85	11.89	-268.95	-171.07
9	47	117	12.23	1.56	7.38	6.41	5.31	67.00	-84.58	63.72	-81.29	22.07
9	47	121	-0.65	-29.75	-5.07	-25.33	-10.44	114.03	-1683.54	-220.26	-1349.25	-699.40
9	47	122	5.70	-7.05	5.63	-6.98	0.93	429.35	-632.56	413.28	-616.49	-129.63
9	47	151	3.69	-3.28	-3.19	3.60	-0.80	25.70	-2.01	17.52	6.18	12.64
9	47	152	-1.59	-4.46	-3.07	-2.98	1.44	-5.04	-143.16	-67.42	-80.78	68.74
9	47	153	2.30	-2.29	2.23	-2.22	-0.55	111.61	60.86	80.03	92.45	-24.60
9	47	160	14.50	5.00	14.49	5.01	0.37	237.29	-357.17	-44.43	-75.45	-296.83
9	48	14	-1.66	-53.75	-26.68	-28.73	-26.02	-140.14	-173.54	-140.14	-173.54	-4.83e-02
9	48	15	19.35	-5.08	7.20	7.07	12.22	-11.42	-189.48	-78.21	-122.68	-86.21
9	48	108	-5.36	-73.68	-63.34	-15.70	-24.49	306.31	75.10	296.35	85.06	46.95
9	48	115	23.24	8.02	17.63	13.63	7.34	98.49	-103.04	95.90	-100.44	22.72
9	48	116	2.74	-2.58	2.30	-2.14	1.47	-0.63	-113.45	-4.54	-109.54	-20.64
9	48	117	19.57	2.54	12.22	9.89	8.44	-23.67	-491.81	-289.42	-226.06	-231.92
9	48	121	-1.69	-55.12	-10.30	-46.50	-19.65	28.38	-298.34	-115.92	-154.04	-162.25
9	48	122	8.34	-13.23	8.34	-13.23	-0.18	66.07	-75.35	41.79	-51.07	-53.33
9	48	151	5.65	-4.90	-4.77	5.53	-1.14	274.58	-54.19	274.54	-54.15	-3.55
9	48	152	-2.92	-7.91	-5.64	-5.19	2.49	-15.37	-204.67	-187.84	-32.21	53.88
9	48	153	5.28	-5.70	5.14	-5.56	-1.24	9.74	-97.93	-63.65	-24.55	-50.16
9	48	160	12.90	9.89	10.53	12.26	1.23	76.58	-127.28	37.98	-88.68	-79.87
9	49	14	62.31	2.30	32.49	32.11	30.00	229.27	-612.39	-145.71	-237.41	-418.33
9	49	15	5.86	-19.09	-6.40	-6.82	-12.47	62.84	20.63	25.37	58.10	13.33
9	49	108	88.54	9.14	74.76	22.92	30.07	5.02	-1168.31	-854.27	-309.02	-519.47
9	49	115	-7.82	-23.93	-17.66	-14.09	-7.85	94.80	-322.66	-251.03	23.17	-157.39
9	49	116	2.34	-0.79	-0.39	1.93	-1.05	168.60	-209.69	-62.37	21.27	-184.46
9	49	117	-3.10	-18.60	-11.71	-9.99	-7.70	495.43	36.09	347.50	184.02	214.63
9	49	121	57.29	3.15	12.56	47.88	20.52	106.72	-478.79	32.90	-404.97	-194.35
9	49	122	13.42	-7.06	-7.00	13.36	1.10	59.77	-296.68	5.06	-241.97	-128.48
9	49	151	4.69	-5.58	4.57	-5.46	1.10	-21.79	-298.41	-297.40	-22.81	-16.75
9	49	152	7.84	2.93	5.50	5.27	-2.45	168.32	-54.02	161.99	-47.69	-36.98
9	49	153	5.92	-5.24	-5.09	5.77	1.25	156.86	-13.14	-1.47	145.19	42.98
9	49	160	-7.85	-13.34	-8.19	-12.99	-1.33	174.01	-267.21	-231.30	138.10	-120.65
9	50	14	31.30	1.24	17.01	15.53	15.01	381.29	222.35	235.64	368.01	43.99
9	50	15	3.09	-10.17	-3.39	-3.69	-6.63	-13.68	-246.06	-231.56	-28.18	-56.20
9	50	108	40.59	4.70	34.05	11.23	13.85	-42.70	-540.91	-513.76	-69.85	-113.09
9	50	115	-3.71	-11.38	-8.45	-6.65	-3.73	-0.38	-332.46	-318.20	-14.64	-67.32
9	50	116	1.19	-0.58	0.24	0.37	-0.88	185.07	-83.19	-78.80	180.69	-34.03
9	50	117	-2.11	-11.27	-6.87	-6.52	-4.58	62.12	-28.50	-5.63	39.25	-39.36
9	50	121	31.91	2.11	7.32	26.71	11.31	937.15	-9.68	137.23	790.24	342.80
9	50	122	7.12	-4.29	-4.29	7.12	-9.92e-03	327.37	-370.36	-366.44	323.45	-52.18
9	50	151	3.08	-3.61	2.99	-3.52	0.76	-22.48	-101.04	-40.37	-83.14	-32.95
9	50	152	4.40	1.58	2.92	3.06	-1.41	76.91	-34.46	41.57	0.88	-51.84
9	50	153	2.51	-2.26	-2.19	2.44	0.57	29.93	-146.88	-145.14	28.20	17.42
9	50	160	-5.71	-12.19	-12.15	-5.75	-0.47	155.35	-179.37	-148.89	124.87	96.30
9	51	14	17.69	-16.50	13.50	-12.31	-11.21	-156.02	-1120.26	-508.55	-767.72	-464.38
9	51	15	10.53	-2.34	4.20	3.99	6.44	177.30	-39.09	176.06	-37.86	-16.29
9	51	108	25.74	-24.51	-23.06	24.28	-8.42	267.94	-468.11	-46.40	-153.77	-

364.09												
9	51	115	10.81	3.92	8.47	6.26	3.26	176.10	-81.65	157.54	-63.09	-66.63
9	51	116	2.27	-1.22	1.66	-0.60	1.33	90.87	-346.42	11.63	-267.17	-
168.44												
9	51	117	12.26	1.54	7.45	6.36	5.33	63.90	-83.67	61.27	-81.04	19.53
9	51	121	-0.68	-30.07	-5.16	-25.59	-10.56	108.55	-1686.19	-214.03	-1363.60	-
689.13												
9	51	122	5.69	-7.13	5.63	-7.06	0.92	429.23	-630.39	414.08	-615.24	-
125.79												
9	51	151	3.72	-3.29	-3.20	3.62	-0.81	27.44	-3.95	17.97	5.51	14.41
9	51	152	-1.60	-4.49	-3.09	-3.00	1.45	-7.54	-144.15	-67.86	-83.83	67.84
9	51	153	2.33	-2.32	2.26	-2.26	-0.56	112.51	63.07	81.67	93.91	-23.95
9	51	160	15.26	5.08	15.24	5.09	0.35	230.13	-352.56	-43.01	-79.42	-
290.78												
9	52	14	13.75	-48.28	-3.78	-30.75	-27.93	-128.16	-169.03	-129.54	-167.66	7.36
9	52	15	20.45	-5.54	7.50	7.42	13.00	-14.05	-197.13	-85.18	-126.00	-89.23
9	52	108	19.30	-76.32	-68.35	11.33	-26.43	298.82	70.50	291.98	77.35	38.93
9	52	115	24.74	8.47	18.69	14.52	7.86	95.82	-108.80	92.99	-105.97	23.89
9	52	116	2.79	-2.74	2.32	-2.27	1.54	-4.35	-110.52	-6.74	-108.13	-15.73
9	52	117	20.65	2.76	12.95	10.46	8.86	-20.67	-508.35	-301.81	-227.20	-
240.97												
9	52	121	-1.87	-58.55	-11.05	-49.37	-20.88	22.24	-265.56	-108.12	-135.20	-
143.26												
9	52	122	8.59	-13.98	8.59	-13.98	-0.28	59.81	-64.82	35.09	-40.09	-49.70
9	52	151	5.96	-5.12	-4.99	5.83	-1.19	283.32	-55.29	283.29	-55.26	-3.02
9	52	152	-3.09	-8.37	-5.97	-5.49	2.63	-18.12	-209.98	-192.98	-35.12	54.51
9	52	153	5.62	-6.09	5.47	-5.94	-1.32	12.30	-97.59	-64.43	-20.86	-50.44
9	52	160	13.74	10.21	10.81	13.14	1.33	71.73	-120.09	40.47	-88.84	-70.84
9	53	14	56.05	-12.33	9.59	34.13	31.91	228.15	-627.76	-156.31	-243.30	-
425.74												
9	53	15	6.32	-20.19	-6.70	-7.17	-13.25	68.76	25.00	32.34	61.42	16.35
9	53	108	90.59	-14.94	79.76	-4.11	32.02	4.75	-1155.97	-849.91	-301.31	-
511.45												
9	53	115	-8.27	-25.43	-18.72	-14.98	-8.38	100.76	-320.19	-248.12	28.70	-
158.56												
9	53	116	2.50	-0.85	-0.41	2.06	-1.13	173.40	-213.70	-60.17	19.87	-
189.37												
9	53	117	-3.32	-19.68	-12.44	-10.56	-8.12	512.66	32.39	359.89	185.16	223.68
9	53	121	60.73	3.32	13.30	50.75	21.76	110.31	-509.03	25.10	-423.82	-
213.34												
9	53	122	14.18	-7.31	-7.24	14.11	1.20	66.41	-307.60	11.75	-252.95	-
132.11												
9	53	151	4.92	-5.88	4.79	-5.75	1.15	-20.66	-307.19	-306.15	-21.70	-17.29
9	53	152	8.29	3.10	5.82	5.57	-2.59	173.61	-51.26	167.14	-44.78	-37.61
9	53	153	6.31	-5.58	-5.43	6.16	1.33	153.63	-12.81	-0.68	141.50	43.26
9	53	160	-8.12	-14.23	-8.48	-13.88	-1.43	179.00	-274.53	-233.79	138.26	-
129.68												
9	54	14	23.17	-15.17	-7.69	15.69	15.19	371.04	208.44	222.71	356.77	46.00
9	54	15	3.12	-10.27	-3.40	-3.75	-6.69	-11.97	-243.66	-228.90	-26.73	-56.59
9	54	108	38.04	-20.63	34.47	-17.06	14.01	-44.99	-536.73	-511.53	-70.19	-
108.43												
9	54	115	-3.73	-11.50	-8.51	-6.72	-3.78	0.60	-327.45	-312.67	-14.18	-68.04
9	54	116	1.24	-0.60	0.25	0.40	-0.92	184.03	-83.65	-78.54	178.91	-36.66
9	54	117	-2.10	-11.30	-6.94	-6.46	-4.59	60.34	-24.53	-3.19	39.00	-36.83
9	54	121	32.24	2.15	7.41	26.97	11.43	941.09	-5.49	131.01	804.59	332.53
9	54	122	7.19	-4.28	-4.28	7.19	-1.65e-03	326.72	-371.76	-367.24	322.20	-56.03
9	54	151	3.09	-3.64	3.00	-3.55	0.77	-21.17	-102.13	-40.82	-82.48	-34.71
9	54	152	4.42	1.59	2.94	3.08	-1.41	77.35	-31.41	42.01	3.93	-50.94
9	54	153	2.54	-2.29	-2.22	2.47	0.57	28.35	-148.40	-146.79	26.74	16.77
9	54	160	-5.79	-12.94	-12.91	-5.82	-0.45	155.48	-176.95	-150.31	128.84	90.25
9	55	14	17.37	-18.00	12.60	-13.24	-12.07	-162.27	-1117.85	-509.72	-770.40	-
459.67												
9	55	15	11.04	-2.55	4.34	4.14	6.80	175.42	-40.31	173.91	-38.79	-18.00
9	55	108	25.36	-27.06	-25.35	23.65	-9.32	267.28	-472.54	-47.46	-157.80	-
365.77												
9	55	115	11.50	4.14	8.97	6.67	3.50	177.02	-83.80	158.85	-65.63	-66.40
9	55	116	2.29	-1.28	1.68	-0.66	1.35	89.17	-345.86	10.66	-267.36	-
167.30												
9	55	117	12.79	1.66	7.78	6.67	5.53	58.19	-83.63	56.30	-81.73	16.28
9	55	121	-0.75	-31.62	-5.48	-26.89	-11.12	108.84	-1669.09	-213.24	-1347.01	-
684.77												
9	55	122	5.81	-7.45	5.75	-7.39	0.88	425.63	-625.68	410.33	-610.38	-

125.89												
9	55	151	3.86	-3.40	-3.30	3.76	-0.83	29.86	-2.45	22.12	5.29	13.79
9	55	152	-1.68	-4.70	-3.24	-3.14	1.51	-8.05	-145.93	-70.21	-83.76	68.61
9	55	153	2.49	-2.50	2.42	-2.43	-0.59	113.22	62.26	80.46	95.02	-24.42
9	55	160	15.02	5.48	15.01	5.49	0.41	229.82	-349.81	-42.47	-77.51	-
289.29												
9	56	14	13.88	-46.58	-2.88	-29.82	-27.06	-128.18	-165.17	-128.37	-164.98	2.65
9	56	15	19.95	-5.32	7.36	7.27	12.64	-14.03	-194.06	-83.02	-125.07	-87.53
9	56	108	19.58	-73.67	-66.06	11.96	-25.54	300.57	73.85	293.05	81.38	40.61
9	56	115	24.04	8.26	18.19	14.11	7.62	94.51	-106.27	91.68	-103.44	23.67
9	56	116	2.77	-2.68	2.30	-2.21	1.52	-3.06	-110.66	-5.77	-107.95	-16.87
9	56	117	20.13	2.64	12.62	10.15	8.66	-21.37	-501.97	-296.84	-226.50	-
237.71												
9	56	121	-1.79	-56.99	-10.72	-48.07	-20.32	18.81	-279.52	-108.91	-151.79	-
147.62												
9	56	122	8.46	-13.64	8.46	-13.64	-0.23	61.86	-67.98	38.84	-44.96	-49.60
9	56	151	5.82	-5.01	-4.89	5.69	-1.17	279.16	-55.06	279.14	-55.04	-2.41
9	56	152	-3.01	-8.15	-5.82	-5.35	2.56	-18.41	-207.40	-190.63	-35.18	53.74
9	56	153	5.47	-5.91	5.32	-5.77	-1.28	11.47	-96.66	-63.22	-21.97	-49.98
9	56	160	13.42	10.37	11.05	12.74	1.27	72.07	-122.88	39.94	-90.74	-72.33
9	57	14	54.33	-12.43	8.69	33.20	31.05	221.62	-625.07	-157.48	-245.97	-
421.03												
9	57	15	6.10	-19.68	-6.56	-7.02	-12.89	66.40	24.26	30.19	60.48	14.65
9	57	108	87.93	-15.20	77.47	-4.74	31.13	2.99	-1159.31	-850.98	-305.34	-
513.13												
9	57	115	-8.06	-24.74	-18.23	-14.57	-8.14	98.72	-319.37	-246.81	26.16	-
158.33												
9	57	116	2.44	-0.82	-0.39	2.01	-1.11	171.80	-213.25	-61.14	19.69	-
188.23												
9	57	117	-3.20	-19.16	-12.11	-10.25	-7.92	506.01	33.37	354.92	184.46	220.42
9	57	121	59.17	3.25	12.97	49.45	21.20	110.28	-491.61	25.88	-407.22	-
208.98												
9	57	122	13.84	-7.18	-7.12	13.78	1.16	64.02	-304.10	8.01	-248.08	-
132.22												
9	57	151	4.81	-5.74	4.69	-5.62	1.13	-20.78	-303.14	-302.00	-21.92	-17.90
9	57	152	8.08	3.02	5.67	5.43	-2.53	171.07	-51.00	164.78	-44.71	-36.84
9	57	153	6.13	-5.42	-5.28	5.98	1.29	154.34	-13.62	-1.90	142.62	42.80
9	57	160	-8.35	-13.84	-8.71	-13.47	-1.37	179.94	-273.03	-233.26	140.16	-
128.19												
9	58	14	24.78	-14.96	-6.79	16.62	16.06	371.03	212.29	223.87	359.45	41.29
9	58	15	3.33	-10.77	-3.54	-3.89	-7.05	-11.78	-240.76	-226.75	-25.79	-54.89
9	58	108	40.66	-20.32	36.77	-16.43	14.90	-41.84	-534.78	-510.46	-66.16	-
106.75												
9	58	115	-3.95	-12.19	-9.01	-7.13	-4.01	3.05	-328.68	-313.98	-11.64	-68.26
9	58	116	1.29	-0.60	0.24	0.45	-0.94	184.55	-83.02	-77.57	179.10	-37.80
9	58	117	-2.22	-11.83	-7.27	-6.77	-4.80	59.29	-17.81	1.79	39.69	-33.57
9	58	121	33.79	2.22	7.74	28.27	11.99	923.72	-5.51	130.22	787.99	328.17
9	58	122	7.53	-4.41	-4.41	7.53	4.72e-02	321.90	-368.05	-363.49	317.34	-55.92
9	58	151	3.19	-3.78	3.10	-3.69	0.79	-24.75	-102.48	-44.97	-82.26	-34.10
9	58	152	4.64	1.68	3.10	3.22	-1.48	79.64	-31.42	44.36	3.86	-51.70
9	58	153	2.72	-2.44	-2.37	2.65	0.61	27.34	-147.29	-145.57	25.62	17.24
9	58	160	-6.19	-12.71	-12.67	-6.23	-0.51	152.87	-176.79	-150.85	126.93	88.76
9	59	14	49.18	1.75	25.15	25.78	23.71	-31.28	-2086.53	-830.99	-1286.82	-
1002.03												
9	59	15	4.50	-11.97	-3.51	-3.96	-8.23	450.55	81.87	431.99	100.44	80.63
9	59	108	79.20	8.54	66.58	21.16	27.06	294.90	-1490.25	-721.41	-473.94	-
883.96												
9	59	115	-5.68	-18.40	-13.13	-10.95	-6.26	263.90	-151.81	92.13	19.96	-
204.70												
9	59	116	2.32	0.14	0.16	2.30	0.21	226.09	-570.53	8.29	-352.73	-
355.06												
9	59	117	-1.59	-8.90	-6.06	-4.42	-3.56	833.41	-59.02	591.61	182.78	396.64
9	59	121	35.53	2.10	8.30	29.33	13.00	243.45	-2967.95	-256.00	-2468.49	-
1163.83												
9	59	122	9.07	-2.89	-2.37	8.54	2.45	741.26	-1186.23	716.31	-1161.27	-
217.89												
9	59	151	1.75	-2.31	1.73	-2.28	0.34	68.30	-407.54	-406.40	67.15	23.30
9	59	152	4.59	1.81	3.44	2.95	-1.37	168.55	-133.44	161.21	-126.10	46.52
9	59	153	5.16	-4.34	-4.23	5.05	1.00	265.54	201.32	223.18	243.68	30.43
9	59	160	12.05	-11.18	11.96	-11.09	-1.43	405.25	-604.63	-207.76	8.37	-
493.24												
9	60	14	-1.98	-66.14	-32.44	-35.68	-32.04	1160.39	-14.59	432.41	713.40	570.44

9	60	15	21.10	-6.17	7.49	7.44	13.63	-112.45	-519.74	-438.82	-193.38	-162.51
9	60	108	-7.82	-98.58	-84.38	-22.02	-32.97	814.22	-111.25	406.51	296.45	459.45
9	60	115	28.07	9.42	20.92	16.58	9.07	-25.96	-220.05	-123.03	-122.98	97.04
9	60	116	2.51	-3.40	2.36	-3.26	0.91	254.52	-130.04	-52.93	177.40	153.98
9	60	117	19.11	2.43	12.30	9.24	8.20	35.64	-958.72	-618.67	-304.42	-471.70
9	60	121	-1.80	-59.45	-11.33	-49.92	-21.41	1868.86	-145.64	97.03	1626.19	655.72
9	60	122	7.61	-14.63	7.50	-14.51	-1.57	756.86	-547.97	-546.99	755.88	35.73
9	60	151	5.17	-4.35	-4.25	5.07	-0.95	479.98	-137.39	478.02	-135.42	-34.79
9	60	152	-3.16	-8.35	-6.16	-5.35	2.56	36.29	-255.90	-255.88	36.27	2.10
9	60	153	6.64	-7.40	6.48	-7.23	-1.53	-116.17	-286.54	-263.85	-138.86	-57.88
9	60	160	15.94	-3.00	-2.82	15.76	1.83	268.12	-220.64	70.50	-23.01	239.86
9	61	14	74.68	2.63	38.25	39.06	36.02	88.15	-1930.75	-718.25	-1124.35	-988.82
9	61	15	6.95	-20.83	-6.69	-7.19	-13.89	414.13	100.64	385.98	128.79	89.63
9	61	108	113.45	11.58	95.80	29.24	38.56	215.62	-1700.47	-964.44	-520.42	-931.97
9	61	115	-9.21	-28.78	-20.95	-17.04	-9.58	241.75	-228.15	-32.10	45.70	-231.71
9	61	116	3.12	-0.52	-0.45	3.05	-0.50	240.66	-520.31	-13.98	-265.67	-359.08
9	61	117	-3.00	-18.13	-11.79	-9.34	-7.47	968.97	-29.85	676.75	262.37	454.41
9	61	121	61.63	3.25	13.58	51.30	22.28	242.13	-2607.39	-180.06	-2185.21	-1012.31
9	61	122	14.94	-6.45	-6.16	14.65	2.50	622.16	-1077.24	593.84	-1048.92	-217.55
9	61	151	4.15	-5.09	4.05	-5.00	0.91	58.83	-501.25	-500.87	58.46	14.48
9	61	152	8.27	3.17	6.01	5.43	-2.53	230.66	-116.80	230.03	-116.17	14.80
9	61	153	7.62	-6.60	-6.43	7.45	1.54	288.23	170.01	198.73	259.51	50.70
9	61	160	5.33	-16.67	5.16	-16.49	-1.94	375.70	-567.08	-263.82	72.43	-440.39
9	62	14	-1.08	-40.65	-19.34	-22.40	-19.73	1317.13	103.88	545.14	875.87	583.65
9	62	15	12.24	-3.72	4.31	4.21	7.98	-103.26	-546.58	-484.82	-165.02	-153.51
9	62	108	-4.79	-64.32	-55.16	-13.94	-21.47	620.43	-206.97	163.48	249.98	411.44
9	62	115	17.69	5.90	13.10	10.49	5.75	-69.62	-274.87	-247.26	-97.23	70.03
9	62	116	1.76	-2.51	1.75	-2.50	0.20	321.20	-131.93	-75.20	264.47	149.96
9	62	117	9.89	1.00	6.57	4.32	4.30	62.60	-820.95	-533.53	-224.82	-413.93
9	62	121	-0.66	-33.34	-6.04	-27.96	-12.12	2226.76	-144.30	172.97	1909.48	807.23
9	62	122	3.90	-8.60	3.71	-8.41	-1.52	869.08	-670.31	-669.46	868.23	36.08
9	62	151	2.39	-1.96	-1.92	2.36	-0.38	387.12	-147.70	383.54	-144.12	-43.61
9	62	152	-1.79	-4.68	-3.59	-2.87	1.40	49.90	-190.76	-187.06	46.20	-29.61
9	62	153	4.38	-4.94	4.28	-4.83	-0.99	-114.88	-296.45	-288.30	-123.03	-37.61
9	62	160	10.45	-9.71	-9.62	10.36	1.33	320.76	-265.27	14.44	41.05	292.72
9	63	14	52.52	5.22	32.29	25.45	23.40	-28.91	-2082.79	-827.46	-1284.25	-1001.22
9	63	15	4.42	-11.79	-3.46	-3.90	-8.11	448.97	81.29	430.54	99.72	80.23
9	63	108	79.93	15.29	65.76	29.46	26.74	295.73	-1493.17	-722.40	-475.05	-885.86
9	63	115	-5.61	-18.16	-12.96	-10.81	-6.18	262.51	-152.58	90.86	19.06	-204.42
9	63	116	2.30	0.14	0.17	2.27	0.22	224.94	-569.28	7.92	-352.26	-353.93
9	63	117	-1.56	-8.73	-5.94	-4.34	-3.50	830.21	-58.17	589.39	182.65	394.90
9	63	121	34.97	2.06	8.17	28.86	12.79	242.16	-2963.87	-253.90	-2467.82	-1159.44
9	63	122	8.94	-2.86	-2.33	8.42	2.43	740.16	-1184.17	715.42	-1159.44	-216.77
9	63	151	1.72	-2.26	1.69	-2.23	0.33	68.07	-406.20	-405.02	66.89	23.65
9	63	152	4.51	1.79	3.39	2.91	-1.34	167.70	-134.32	160.37	-126.99	46.48
9	63	153	5.09	-4.28	-4.18	4.99	0.99	266.15	201.62	223.31	244.45	30.48
9	63	160	12.20	-11.03	12.12	-10.95	-1.41	402.89	-602.31	-207.17	7.75	-490.98
9	64	14	2.14	-63.44	-25.30	-36.00	-32.35	1164.11	-12.21	435.94	715.97	571.25
9	64	15	21.27	-6.24	7.53	7.50	13.76	-113.00	-521.35	-440.26	-194.09	-162.91
9	64	108	-0.62	-98.30	-85.20	-13.72	-33.29	811.29	-110.42	405.52	295.35	457.55
9	64	115	28.31	9.49	21.09	16.72	9.15	-26.76	-221.42	-124.30	-123.87	97.33
9	64	116	2.51	-3.43	2.37	-3.28	0.93	255.73	-131.15	-53.29	177.88	155.11
9	64	117	19.28	2.46	12.42	9.32	8.27	36.44	-961.88	-620.89	-304.55	-

473.44												
9	64	121	-1.83	-60.01	-11.45	-50.39	-21.61	1872.57	-146.57	99.13	1626.87	660.10
9	64	122	7.65	-14.75	7.54	-14.64	-1.59	758.75	-548.92	-547.88	757.71	36.85
9	64	151	5.22	-4.38	-4.29	5.12	-0.96	481.32	-137.61	479.40	-135.69	-34.45
9	64	152	-3.19	-8.42	-6.21	-5.40	2.59	35.39	-256.73	-256.72	35.38	2.06
9	64	153	6.70	-7.46	6.53	-7.29	-1.54	-115.52	-286.28	-263.72	-138.09	-57.83
9	64	160	16.09	-2.85	-2.66	15.90	1.85	270.44	-222.99	71.08	-23.63	242.13
9	65	14	71.82	-1.32	31.11	39.39	36.33	85.79	-1934.50	-721.78	-1126.92	-
989.63												
9	65	15	7.02	-21.01	-6.73	-7.25	-14.01	415.74	101.19	387.43	129.50	90.02
9	65	108	113.02	4.53	96.61	20.94	38.88	214.83	-1697.59	-963.45	-519.31	-
930.06												
9	65	115	-9.28	-29.02	-21.12	-17.18	-9.67	243.09	-227.32	-30.84	46.60	-
232.00												
9	65	116	3.15	-0.53	-0.45	3.07	-0.51	241.82	-521.57	-13.62	-266.14	-
360.21												
9	65	117	-3.03	-18.30	-11.91	-9.42	-7.53	972.17	-30.69	678.97	262.51	456.15
9	65	121	62.20	3.28	13.71	51.77	22.49	243.36	-2611.40	-182.16	-2185.88	-
1016.70												
9	65	122	15.07	-6.49	-6.19	14.77	2.51	623.29	-1079.31	594.72	-1050.75	-
218.67												
9	65	151	4.18	-5.14	4.09	-5.05	0.92	59.08	-502.61	-502.25	58.72	14.14
9	65	152	8.34	3.20	6.07	5.48	-2.55	231.50	-115.91	230.87	-115.28	14.84
9	65	153	7.68	-6.66	-6.49	7.51	1.56	287.57	169.77	198.60	258.73	50.65
9	65	160	5.17	-16.81	5.00	-16.64	-1.95	378.04	-569.39	-264.40	73.05	-
442.65												
9	66	14	-4.73	-43.81	-26.48	-22.07	-19.42	1313.43	101.47	541.61	873.30	582.84
9	66	15	12.06	-3.65	4.26	4.15	7.85	-102.72	-544.97	-483.38	-164.31	-
153.11												
9	66	108	-11.73	-64.85	-54.35	-22.24	-21.16	623.38	-207.82	164.47	251.09	413.34
9	66	115	17.45	5.83	12.93	10.35	5.66	-68.87	-273.46	-245.99	-96.34	69.75
9	66	116	1.75	-2.49	1.75	-2.48	0.19	320.08	-130.92	-74.83	263.99	148.83
9	66	117	9.72	0.97	6.45	4.24	4.23	61.78	-817.78	-531.31	-224.69	-
412.19												
9	66	121	-0.63	-32.78	-5.92	-27.49	-11.92	2222.91	-143.23	170.87	1908.80	802.84
9	66	122	3.86	-8.47	3.68	-8.29	-1.51	867.19	-669.37	-668.58	866.40	34.95
9	66	151	2.34	-1.92	-1.89	2.31	-0.37	385.81	-147.50	382.16	-143.85	-43.95
9	66	152	-1.76	-4.60	-3.54	-2.83	1.38	50.78	-189.91	-186.22	47.09	-29.57
9	66	153	4.33	-4.87	4.22	-4.77	-0.98	-115.60	-296.63	-288.43	-123.81	-37.66
9	66	160	10.30	-9.87	-9.78	10.21	1.31	318.55	-263.03	13.85	41.67	290.45
9	67	14	43.25	1.61	22.16	22.69	20.82	-52.42	-2078.19	-834.88	-1295.74	-
986.32												
9	67	15	3.78	-10.29	-3.03	-3.48	-7.03	441.14	80.98	424.81	97.32	74.94
9	67	108	70.27	7.73	58.94	19.05	24.08	291.29	-1503.63	-724.97	-487.37	-
889.56												
9	67	115	-4.98	-16.08	-11.47	-9.59	-5.47	262.33	-154.33	96.50	11.50	-
203.95												
9	67	116	2.15	0.18	0.22	2.11	0.28	220.20	-568.47	5.07	-353.35	-
351.26												
9	67	117	-1.18	-7.16	-4.95	-3.39	-2.89	811.05	-55.56	575.03	180.46	385.78
9	67	121	30.36	1.86	7.21	25.00	11.13	243.78	-2910.33	-253.37	-2413.17	-
1149.31												
9	67	122	7.95	-2.47	-1.95	7.43	2.28	729.23	-1170.48	703.82	-1145.07	-
218.24												
9	67	151	1.40	-1.85	1.38	-1.82	0.27	67.40	-393.55	-392.56	66.42	21.25
9	67	152	3.87	1.54	2.93	2.48	-1.15	161.73	-134.25	153.36	-125.87	49.08
9	67	153	4.56	-3.81	-3.72	4.47	0.88	265.41	201.12	219.12	247.41	28.87
9	67	160	11.24	-9.81	11.17	-9.74	-1.23	404.97	-596.22	-205.98	14.73	-
488.28												
9	68	14	-1.83	-60.21	-29.45	-32.59	-29.15	1152.18	6.43	436.30	722.32	554.74
9	68	15	19.42	-5.45	7.01	6.95	12.43	-113.06	-508.84	-431.64	-190.26	-
156.83												
9	68	108	-7.01	-89.65	-76.75	-19.91	-30.00	827.73	-107.77	410.08	309.88	465.06
9	68	115	25.76	8.72	19.26	15.21	8.28	-24.46	-217.47	-127.41	-114.52	96.29
9	68	116	2.44	-3.20	2.31	-3.07	0.84	252.62	-124.31	-49.71	178.02	150.18
9	68	117	17.37	2.02	11.19	8.20	7.53	32.55	-936.73	-602.08	-302.10	-
460.84												
9	68	121	-1.56	-54.27	-10.25	-45.59	-19.55	1810.45	-145.18	94.40	1570.87	641.20
9	68	122	7.18	-13.49	7.08	-13.40	-1.41	740.69	-535.53	-534.51	739.67	36.08
9	68	151	4.70	-4.00	-3.91	4.61	-0.88	465.97	-136.47	464.18	-134.69	-32.74
9	68	152	-2.89	-7.64	-5.65	-4.88	2.34	36.05	-248.03	-248.03	36.05	-0.46
9	68	153	6.12	-6.81	5.96	-6.65	-1.41	-119.90	-282.47	-259.79	-142.58	-56.33

9	68	160	14.57	-2.19	-2.03	14.41	1.64	259.64	-220.29	68.72	-29.37	234.90
9	69	14	68.75	2.49	35.27	35.97	33.13	66.88	-1922.30	-722.14	-1133.27	-973.11
9	69	15	6.23	-19.15	-6.21	-6.71	-12.69	404.11	100.36	378.80	125.67	83.95
9	69	108	104.52	10.77	88.16	27.13	35.58	211.45	-1713.30	-968.00	-533.84	-937.57
9	69	115	-8.51	-26.46	-19.29	-15.67	-8.79	237.99	-228.47	-27.73	37.24	-230.96
9	69	116	2.92	-0.45	-0.40	2.87	-0.43	234.73	-518.22	-17.20	-266.28	-355.28
9	69	117	-2.60	-16.39	-10.68	-8.31	-6.79	946.69	-26.47	660.16	260.06	443.55
9	69	121	56.45	3.01	12.50	46.97	20.42	242.28	-2549.59	-177.43	-2129.88	-997.80
9	69	122	13.81	-6.01	-5.73	13.53	2.33	610.25	-1061.61	581.35	-1032.71	-217.90
9	69	151	3.79	-4.62	3.71	-4.54	0.84	58.01	-487.32	-487.04	57.73	12.43
9	69	152	7.56	2.90	5.50	4.96	-2.31	223.07	-116.83	222.18	-115.95	17.36
9	69	153	7.02	-6.08	-5.92	6.87	1.42	288.87	169.03	194.68	263.23	49.15
9	69	160	4.52	-15.30	4.36	-15.14	-1.74	375.96	-559.21	-262.04	78.79	-435.43
9	70	14	-0.93	-34.73	-16.35	-19.31	-16.84	1309.15	124.67	549.03	884.79	567.95
9	70	15	10.56	-3.00	3.83	3.72	6.78	-103.50	-536.05	-477.64	-161.90	-147.83
9	70	108	-3.98	-55.38	-47.53	-11.83	-18.50	635.05	-204.59	167.04	263.41	417.04
9	70	115	15.37	5.19	11.44	9.13	4.96	-63.29	-277.12	-251.64	-88.78	69.28
9	70	116	1.70	-2.33	1.69	-2.32	0.14	319.64	-126.53	-71.98	265.09	146.16
9	70	117	8.15	0.59	5.46	3.28	3.62	59.39	-798.85	-516.95	-222.50	-403.08
9	70	121	-0.42	-28.16	-4.96	-23.62	-10.26	2168.63	-144.12	170.35	1854.16	792.71
9	70	122	3.46	-7.47	3.29	-7.29	-1.36	852.91	-657.85	-656.98	852.03	36.43
9	70	151	1.93	-1.60	-1.58	1.90	-0.31	373.05	-146.73	369.71	-143.38	-41.56
9	70	152	-1.52	-3.97	-3.08	-2.40	1.18	50.48	-183.72	-179.21	45.97	-32.18
9	70	153	3.86	-4.34	3.77	-4.25	-0.87	-118.90	-292.10	-284.24	-126.76	-36.05
9	70	160	9.08	-8.90	-8.83	9.01	1.13	311.64	-264.29	12.66	34.69	287.76
9	71	14	46.63	5.04	29.30	22.37	20.51	-50.05	-2074.46	-831.35	-1293.17	-985.51
9	71	15	3.71	-10.11	-2.99	-3.42	-6.91	439.57	80.40	423.36	96.60	74.55
9	71	108	71.05	14.42	58.13	27.35	23.77	292.12	-1506.56	-725.96	-488.48	-891.46
9	71	115	-4.91	-15.84	-11.30	-9.45	-5.39	260.93	-155.09	95.24	10.60	-203.66
9	71	116	2.13	0.18	0.22	2.09	0.29	219.05	-567.22	4.70	-352.87	-350.13
9	71	117	-1.15	-6.99	-4.83	-3.31	-2.82	807.84	-54.71	572.80	180.33	384.05
9	71	121	29.79	1.82	7.09	24.53	10.93	242.47	-2906.23	-251.27	-2412.49	-1144.92
9	71	122	7.83	-2.44	-1.91	7.30	2.27	728.13	-1168.42	702.94	-1143.23	-217.12
9	71	151	1.37	-1.80	1.35	-1.78	0.26	67.17	-392.20	-391.18	66.16	21.59
9	71	152	3.80	1.51	2.88	2.44	-1.12	160.88	-135.12	152.52	-126.77	49.04
9	71	153	4.50	-3.76	-3.67	4.41	0.87	266.06	201.37	219.25	248.18	28.93
9	71	160	11.39	-9.67	11.32	-9.60	-1.22	402.61	-593.90	-205.40	14.11	-486.02
9	72	14	2.32	-57.55	-22.31	-32.92	-29.46	1155.89	8.82	439.83	724.89	555.54
9	72	15	19.60	-5.52	7.06	7.01	12.56	-113.60	-510.46	-433.08	-190.97	-157.22
9	72	108	0.20	-89.38	-77.56	-11.61	-30.31	824.79	-106.93	409.09	308.78	463.15
9	72	115	26.00	8.79	19.43	15.36	8.36	-25.24	-218.85	-128.67	-115.42	96.58
9	72	116	2.44	-3.23	2.31	-3.10	0.86	253.83	-125.41	-50.07	178.50	151.31
9	72	117	17.54	2.05	11.31	8.28	7.59	33.35	-939.89	-604.31	-302.23	-462.58
9	72	121	-1.59	-54.83	-10.37	-46.06	-19.75	1814.19	-146.14	96.50	1571.55	645.59
9	72	122	7.21	-13.62	7.11	-13.52	-1.43	742.59	-536.48	-535.39	741.50	37.21
9	72	151	4.75	-4.03	-3.94	4.66	-0.89	467.31	-136.70	465.56	-134.95	-32.39
9	72	152	-2.91	-7.71	-5.70	-4.93	2.37	35.15	-248.87	-248.87	35.15	-0.50
9	72	153	6.17	-6.87	6.02	-6.71	-1.42	-119.26	-282.21	-259.66	-141.81	-56.27
9	72	160	14.72	-2.04	-1.87	14.55	1.65	261.97	-222.65	69.31	-29.99	237.17
9	73	14	65.90	-1.48	28.13	36.30	33.44	64.52	-1926.04	-725.67	-1135.84	-973.92
9	73	15	6.30	-19.33	-6.26	-6.77	-12.81	405.71	100.92	380.25	126.39	84.34
9	73	108	104.09	3.72	88.98	18.83	35.90	210.66	-1710.41	-967.01	-532.74	-935.67

9	73	115	-8.58	-26.70	-19.46	-15.82	-8.88	239.33	-227.65	-26.46	38.14	-231.24
9	73	116	2.95	-0.46	-0.40	2.89	-0.45	235.88	-519.48	-16.84	-266.76	-356.41
9	73	117	-2.63	-16.55	-10.80	-8.38	-6.86	949.88	-27.31	662.39	260.19	445.29
9	73	121	57.02	3.04	12.62	47.44	20.63	243.53	-2553.62	-179.53	-2130.56	-1002.19
9	73	122	13.94	-6.05	-5.77	13.65	2.35	611.38	-1063.69	582.24	-1034.54	-219.02
9	73	151	3.83	-4.67	3.74	-4.59	0.85	58.26	-488.69	-488.42	57.99	12.09
9	73	152	7.63	2.93	5.55	5.01	-2.33	223.91	-115.94	223.02	-115.05	17.40
9	73	153	7.09	-6.13	-5.97	6.93	1.44	288.19	168.81	194.55	262.46	49.09
9	73	160	4.36	-15.44	4.21	-15.29	-1.75	378.31	-561.53	-262.63	79.41	-437.69
9	74	14	-4.56	-37.91	-23.49	-18.98	-16.52	1305.46	122.26	545.50	882.22	567.14
9	74	15	10.38	-2.93	3.79	3.66	6.65	-102.95	-534.43	-476.20	-161.19	-147.43
9	74	108	-10.90	-55.94	-46.71	-20.13	-18.18	637.99	-205.44	168.03	264.52	418.95
9	74	115	15.13	5.12	11.27	8.99	4.87	-62.53	-275.71	-250.37	-87.88	69.00
9	74	116	1.69	-2.30	1.69	-2.30	0.12	318.53	-125.53	-71.61	264.61	145.03
9	74	117	7.99	0.56	5.34	3.20	3.56	58.58	-795.68	-514.72	-222.37	-401.34
9	74	121	-0.39	-27.60	-4.83	-23.15	-10.06	2164.75	-143.03	168.24	1853.48	788.33
9	74	122	3.42	-7.34	3.25	-7.17	-1.34	851.02	-656.92	-656.09	850.19	35.31
9	74	151	1.88	-1.57	-1.54	1.85	-0.30	371.74	-146.53	368.33	-143.12	-41.90
9	74	152	-1.49	-3.89	-3.03	-2.36	1.16	51.36	-182.87	-178.37	46.87	-32.14
9	74	153	3.80	-4.28	3.71	-4.19	-0.86	-119.62	-292.28	-284.37	-127.53	-36.11
9	74	160	8.93	-9.06	-8.99	8.86	1.12	309.42	-262.04	12.08	35.31	285.49
9	75	14	-0.43	-16.59	-8.02	-8.99	-8.06	-129.56	-1003.44	-455.19	-677.82	-422.52
9	75	15	8.24	-1.67	3.41	3.16	4.95	147.20	-36.92	145.29	-35.01	-18.66
9	75	108	-0.17	-17.88	-15.86	-2.18	-5.62	224.49	-450.96	-83.08	-143.38	-336.38
9	75	115	8.22	3.06	6.54	4.74	2.42	143.54	-79.12	120.77	-56.35	-67.46
9	75	116	2.01	-0.94	1.53	-0.45	1.09	86.12	-311.23	4.99	-230.09	-160.18
9	75	117	9.76	1.15	5.87	5.03	4.29	64.57	-73.31	61.78	-70.52	19.42
9	75	121	-0.35	-23.12	-3.72	-19.74	-8.09	103.22	-1472.41	-190.26	-1178.93	-613.42
9	75	122	4.75	-5.56	4.67	-5.48	0.89	366.08	-556.23	349.43	-539.58	-122.81
9	75	151	2.94	-2.64	-2.56	2.87	-0.65	14.49	-6.75	9.09	-1.35	9.25
9	75	152	-1.24	-3.52	-2.42	-2.34	1.14	-6.56	-123.25	-56.06	-73.75	57.67
9	75	153	1.77	-1.73	1.72	-1.67	-0.43	97.64	49.84	61.62	85.87	-20.60
9	75	160	12.39	3.74	12.38	3.75	0.25	207.41	-321.05	-53.66	-59.97	-264.21
9	76	14	-1.36	-45.17	-22.30	-24.23	-21.89	-123.61	-200.19	-141.92	-181.89	-32.66
9	76	15	16.44	-4.31	6.14	5.99	10.37	-8.14	-170.35	-70.66	-107.84	-78.95
9	76	108	-4.30	-61.88	-53.29	-12.89	-20.50	196.75	47.56	196.67	47.63	-3.31
9	76	115	19.72	6.82	14.98	11.56	6.22	67.69	-92.12	67.35	-91.78	7.35
9	76	116	2.45	-2.20	2.08	-1.83	1.26	1.35	-110.17	-10.19	-98.63	-33.97
9	76	117	16.70	2.15	10.42	8.42	7.20	-17.50	-412.09	-238.29	-191.30	-195.89
9	76	121	-1.33	-46.65	-8.59	-39.39	-16.62	31.93	-298.35	-102.70	-163.72	-162.29
9	76	122	7.12	-11.20	7.12	-11.20	-0.10	64.13	-92.19	36.19	-64.26	-59.89
9	76	151	4.80	-4.15	-4.05	4.69	-0.97	228.47	-51.67	228.38	-51.57	-5.16
9	76	152	-2.48	-6.72	-4.81	-4.40	2.11	-18.09	-174.87	-159.47	-33.49	46.66
9	76	153	4.50	-4.84	4.38	-4.72	-1.05	15.28	-83.40	-59.14	-8.98	-42.50
9	76	160	10.91	8.21	8.72	10.41	1.05	66.20	-118.51	15.45	-67.76	-82.45
9	77	14	53.73	1.99	28.11	27.61	25.87	201.56	-574.56	-143.93	-229.06	-385.72
9	77	15	5.09	-16.17	-5.34	-5.74	-10.63	44.63	16.45	17.82	43.25	6.06
9	77	108	76.73	8.08	64.71	20.10	26.09	14.62	-1040.81	-754.60	-271.59	-469.21
9	77	115	-6.62	-20.42	-15.01	-12.02	-6.73	80.97	-288.95	-222.48	14.50	-142.02
9	77	116	1.96	-0.51	-0.17	1.62	-0.85	151.21	-197.56	-56.72	10.37	-171.13
9	77	117	-2.71	-15.73	-9.91	-8.52	-6.47	415.97	29.66	296.37	149.26	178.60
9	77	121	48.83	2.78	10.84	40.77	17.50	96.45	-472.07	19.67	-395.29	-194.31

9	77	122	11.40	-5.83	-5.77	11.33	1.03	61.81	-279.94	10.65	-228.78	-
121.92												
9	77	151	3.95	-4.72	3.85	-4.62	0.93	-24.38	-252.24	-251.23	-25.39	-15.15
9	77	152	6.65	2.49	4.66	4.48	-2.08	138.41	-51.20	133.62	-46.41	-29.76
9	77	153	5.06	-4.45	-4.33	4.94	1.07	138.28	-14.63	-5.98	129.63	35.32
9	77	160	-6.11	-11.41	-6.38	-11.14	-1.16	155.45	-247.04	-208.77	117.18	-
118.07												
9	78	14	25.17	1.03	13.83	12.37	12.05	267.04	169.17	169.34	266.86	4.15
9	78	15	2.44	-7.97	-2.62	-2.91	-5.21	-13.64	-214.06	-198.12	-29.58	-54.22
9	78	108	32.67	4.00	27.28	9.40	11.21	-38.14	-517.28	-474.84	-80.58	-
136.14												
9	78	115	-2.87	-8.90	-6.57	-5.20	-2.93	-4.30	-292.53	-275.90	-20.93	-67.20
9	78	116	0.99	-0.37	0.38	0.25	-0.68	150.89	-80.96	-71.90	141.83	-44.92
9	78	117	-1.70	-8.80	-5.36	-5.14	-3.55	52.47	-27.69	-3.70	28.48	-36.71
9	78	121	25.28	1.81	5.98	21.12	8.97	726.43	0.72	107.23	619.92	256.82
9	78	122	5.62	-3.32	-3.32	5.62	3.00e-02	252.81	-308.85	-302.58	246.54	-59.00
9	78	151	2.44	-2.86	2.37	-2.79	0.61	-17.03	-90.53	-31.94	-75.62	-29.55
9	78	152	3.45	1.24	2.28	2.42	-1.10	56.67	-32.61	30.21	-6.15	-40.77
9	78	153	1.94	-1.73	-1.68	1.89	0.44	35.88	-127.84	-126.74	34.78	13.42
9	78	160	-4.46	-10.07	-10.05	-4.48	-0.35	124.73	-155.00	-139.66	109.39	63.69
9	79	14	-0.46	-18.05	-8.76	-9.76	-8.78	-134.76	-1001.43	-456.16	-680.03	-
418.63												
9	79	15	8.65	-1.84	3.53	3.28	5.25	145.73	-38.00	143.51	-35.78	-20.07
9	79	108	-0.38	-20.08	-17.76	-2.70	-6.36	223.88	-454.56	-83.97	-146.71	-
337.77												
9	79	115	8.79	3.24	6.95	5.08	2.61	144.19	-80.78	121.86	-58.44	-67.28
9	79	116	2.03	-0.98	1.55	-0.50	1.11	84.70	-310.75	4.19	-230.24	-
159.23												
9	79	117	10.19	1.24	6.15	5.29	4.45	59.80	-73.24	57.66	-71.10	16.72
9	79	121	-0.41	-24.40	-3.99	-20.81	-8.56	103.51	-1458.33	-189.61	-1165.22	-
609.82												
9	79	122	4.84	-5.83	4.77	-5.76	0.85	363.14	-552.37	346.33	-535.56	-
122.89												
9	79	151	3.06	-2.73	-2.65	2.98	-0.66	16.71	-5.71	12.52	-1.53	8.74
9	79	152	-1.31	-3.70	-2.55	-2.46	1.19	-7.02	-124.68	-58.00	-73.69	58.31
9	79	153	1.90	-1.87	1.85	-1.82	-0.45	98.43	48.97	60.61	86.79	-20.98
9	79	160	12.19	4.07	12.18	4.08	0.29	207.19	-318.80	-53.21	-58.40	-
262.98												
9	80	14	-1.32	-43.70	-21.56	-23.46	-21.17	-118.95	-201.68	-140.95	-179.68	-36.55
9	80	15	16.02	-4.13	6.02	5.86	10.08	-8.12	-167.82	-68.87	-107.07	-77.54
9	80	108	-4.10	-59.66	-51.40	-12.36	-19.77	197.58	50.94	197.56	50.96	-1.92
9	80	115	19.15	6.65	14.57	11.23	6.02	66.59	-90.01	66.26	-89.68	7.17
9	80	116	2.43	-2.15	2.06	-1.78	1.25	2.66	-110.53	-9.39	-98.48	-34.91
9	80	117	16.26	2.05	10.15	8.16	7.04	-18.04	-406.86	-234.18	-190.72	-
193.20												
9	80	121	-1.27	-45.37	-8.32	-38.32	-16.16	29.58	-310.37	-103.35	-177.44	-
165.89												
9	80	122	7.01	-10.92	7.01	-10.92	-6.40e-02	65.94	-94.92	39.29	-68.27	-59.81
9	80	151	4.68	-4.07	-3.96	4.58	-0.95	225.02	-51.47	224.94	-51.39	-4.65
9	80	152	-2.41	-6.55	-4.68	-4.28	2.06	-18.33	-172.74	-157.52	-33.54	46.02
9	80	153	4.37	-4.69	4.25	-4.57	-1.02	14.51	-82.54	-58.13	-9.91	-42.11
9	80	160	10.65	8.33	8.91	10.07	1.01	66.54	-120.87	15.00	-69.33	-83.68
9	81	14	52.26	1.95	27.37	26.85	25.15	196.17	-572.35	-144.90	-231.28	-
381.83												
9	81	15	4.91	-15.75	-5.22	-5.62	-10.33	43.28	15.24	16.04	42.48	4.65
9	81	108	74.52	7.88	62.82	19.58	25.35	13.19	-1043.60	-755.48	-274.92	-
470.60												
9	81	115	-6.45	-19.84	-14.60	-11.69	-6.54	79.31	-288.29	-221.39	12.41	-
141.83												
9	81	116	1.92	-0.49	-0.15	1.58	-0.84	149.88	-197.18	-57.52	10.22	-
170.19												
9	81	117	-2.61	-15.29	-9.64	-8.27	-6.30	410.46	30.48	292.26	148.68	175.90
9	81	121	47.55	2.72	10.57	39.70	17.04	96.41	-457.67	20.32	-381.58	-
190.71												
9	81	122	11.12	-5.72	-5.67	11.06	0.99	59.86	-277.07	7.56	-224.77	-
122.01												
9	81	151	3.86	-4.60	3.76	-4.50	0.91	-24.48	-248.90	-247.80	-25.57	-15.66
9	81	152	6.47	2.42	4.53	4.36	-2.02	136.31	-51.00	131.67	-46.35	-29.12
9	81	153	4.91	-4.32	-4.21	4.79	1.04	138.92	-15.35	-6.99	130.55	34.93
9	81	160	-6.30	-11.08	-6.58	-10.81	-1.11	156.20	-245.77	-208.32	118.75	-
116.84												
9	82	14	26.64	1.07	14.57	13.14	12.76	269.08	170.31	170.31	269.08	0.25

9	82	15	2.62	-8.39	-2.73	-3.03	-5.50	-13.55	-211.60	-196.34	-28.80	-52.81
9	82	108	34.89	4.21	29.17	9.92	11.94	-35.81	-515.40	-473.96	-77.25	-
134.75												
9	82	115	-3.05	-9.47	-6.98	-5.54	-3.13	-2.30	-293.52	-276.99	-18.83	-67.39
9	82	116	1.03	-0.37	0.37	0.29	-0.70	151.43	-80.55	-71.10	141.98	-45.86
9	82	117	-1.79	-9.24	-5.64	-5.39	-3.72	51.64	-22.17	0.42	29.06	-34.01
9	82	121	26.57	1.87	6.25	22.19	9.43	712.10	0.69	106.58	606.20	253.22
9	82	122	5.89	-3.43	-3.43	5.89	7.03e-02	248.86	-305.82	-299.48	242.52	-58.92
9	82	151	2.52	-2.98	2.45	-2.91	0.62	-20.12	-90.69	-35.37	-75.44	-29.05
9	82	152	3.63	1.31	2.40	2.54	-1.16	58.61	-32.66	32.15	-6.21	-41.40
9	82	153	2.09	-1.86	-1.81	2.03	0.47	35.04	-126.92	-125.73	33.85	13.81
9	82	160	-4.79	-9.88	-9.85	-4.82	-0.40	122.66	-154.95	-140.11	107.81	62.46
9	83	14	14.89	-13.11	11.67	-9.89	-8.93	-122.98	-993.25	-445.45	-670.78	-
420.29												
9	83	15	8.73	-1.87	3.54	3.32	5.30	143.47	-39.14	141.31	-36.98	-19.75
9	83	108	21.76	-19.17	-18.11	20.71	-6.49	226.84	-459.02	-85.77	-146.41	-
341.59												
9	83	115	8.88	3.26	7.00	5.14	2.65	139.68	-81.22	117.28	-58.82	-66.68
9	83	116	2.04	-1.02	1.54	-0.52	1.13	83.08	-307.88	3.99	-228.79	-
157.05												
9	83	117	10.22	1.23	6.20	5.25	4.47	57.31	-72.56	55.64	-70.89	14.63
9	83	121	-0.43	-24.67	-4.07	-21.04	-8.65	98.94	-1460.51	-184.44	-1177.13	-
601.34												
9	83	122	4.83	-5.89	4.77	-5.82	0.85	362.99	-550.53	347.03	-534.57	-
119.71												
9	83	151	3.08	-2.74	-2.66	3.00	-0.67	18.05	-7.25	12.87	-2.08	10.20
9	83	152	-1.32	-3.72	-2.57	-2.47	1.20	-9.04	-125.53	-58.36	-76.21	57.56
9	83	153	1.93	-1.90	1.87	-1.85	-0.46	99.21	50.76	61.98	87.99	-20.44
9	83	160	12.82	4.14	12.81	4.15	0.28	201.16	-314.88	-52.03	-61.69	-
257.97												
9	84	14	11.52	-39.25	-2.61	-25.13	-22.75	-116.34	-190.68	-132.17	-174.85	-30.43
9	84	15	16.93	-4.51	6.27	6.15	10.72	-10.28	-174.16	-74.63	-109.81	-80.03
9	84	108	16.36	-61.90	-55.54	10.00	-21.38	194.47	44.11	193.98	44.60	-8.52
9	84	115	20.39	7.02	15.44	11.96	6.45	64.28	-94.67	63.86	-94.25	8.14
9	84	116	2.47	-2.29	2.08	-1.89	1.31	-1.28	-107.24	-11.19	-97.33	-30.85
9	84	117	17.16	2.23	10.75	8.63	7.39	-15.64	-420.46	-244.43	-191.67	-
200.68												
9	84	121	-1.41	-48.21	-8.93	-40.69	-17.18	24.29	-283.10	-96.88	-161.93	-
150.22												
9	84	122	7.22	-11.54	7.21	-11.54	-0.15	60.68	-86.13	33.79	-59.24	-56.79
9	84	151	4.93	-4.25	-4.14	4.82	-0.99	232.23	-52.36	232.17	-52.30	-4.21
9	84	152	-2.56	-6.92	-4.95	-4.53	2.17	-20.60	-177.11	-161.77	-35.95	46.55
9	84	153	4.65	-5.02	4.53	-4.89	-1.09	16.84	-82.48	-58.77	-6.86	-42.34
9	84	160	11.34	8.61	9.15	10.81	1.09	61.45	-113.84	17.08	-69.48	-76.22
9	85	14	47.02	-10.09	8.42	28.51	26.73	195.24	-585.02	-153.68	-236.10	-
387.95												
9	85	15	5.29	-16.66	-5.47	-5.90	-10.97	47.24	19.78	21.79	45.23	7.15
9	85	108	76.17	-11.99	66.96	-2.78	26.96	12.93	-1033.40	-751.91	-268.56	-
464.00												
9	85	115	-6.82	-21.09	-15.48	-12.42	-6.97	84.23	-286.25	-218.99	16.98	-
142.80												
9	85	116	2.05	-0.53	-0.17	1.69	-0.90	153.91	-200.56	-55.72	9.07	-
174.25												
9	85	117	-2.80	-16.18	-10.24	-8.74	-6.65	424.75	27.38	302.51	149.63	183.39
9	85	121	50.38	2.87	11.19	42.07	18.06	99.61	-482.84	13.85	-397.09	-
206.38												
9	85	122	11.74	-5.94	-5.87	11.67	1.07	65.31	-286.06	13.05	-233.80	-
125.03												
9	85	151	4.05	-4.85	3.94	-4.75	0.95	-23.54	-256.14	-255.02	-24.66	-16.10
9	85	152	6.85	2.56	4.80	4.61	-2.14	140.68	-48.71	135.92	-43.95	-29.65
9	85	153	5.24	-4.61	-4.48	5.11	1.10	136.18	-15.02	-6.35	127.51	35.16
9	85	160	-6.53	-11.82	-6.81	-11.54	-1.19	160.55	-252.06	-210.40	118.90	-
124.31												
9	86	14	19.78	-12.36	-5.86	13.28	12.91	259.86	159.56	159.60	259.83	1.92
9	86	15	2.65	-8.47	-2.74	-3.08	-5.55	-12.10	-209.66	-194.15	-27.60	-53.13
9	86	108	32.69	-16.65	29.53	-13.49	12.08	-38.06	-511.65	-472.15	-77.55	-
130.93												
9	86	115	-3.07	-9.56	-7.04	-5.60	-3.17	-1.40	-289.47	-272.42	-18.46	-67.98
9	86	116	1.07	-0.38	0.38	0.31	-0.72	150.93	-81.30	-70.90	140.52	-48.04
9	86	117	-1.78	-9.26	-5.69	-5.35	-3.73	50.18	-18.90	2.44	28.85	-31.92
9	86	121	26.84	1.90	6.32	22.41	9.53	715.64	3.90	101.41	618.12	244.74
9	86	122	5.96	-3.42	-3.42	5.96	7.72e-02	248.56	-307.21	-300.18	241.53	-62.11

9	86	151	2.53	-3.00	2.46	-2.93	0.63	-19.06	-91.56	-35.73	-74.89	-30.51
9	86	152	3.65	1.32	2.42	2.55	-1.17	58.91	-30.09	32.51	-3.69	-40.66
9	86	153	2.12	-1.89	-1.83	2.07	0.47	33.75	-128.19	-127.10	32.66	13.26
9	86	160	-4.86	-10.50	-10.48	-4.88	-0.38	123.57	-153.75	-141.29	111.11	57.45
9	87	14	14.61	-14.34	10.93	-10.66	-9.64	-128.16	-991.24	-446.41	-672.99	-
416.40												
9	87	15	9.15	-2.05	3.66	3.44	5.60	142.02	-40.24	139.53	-37.75	-21.16
9	87	108	21.45	-21.26	-20.00	20.19	-7.23	226.22	-462.63	-86.66	-149.74	-
342.98												
9	87	115	9.45	3.43	7.41	5.47	2.85	140.34	-82.89	118.37	-60.92	-66.50
9	87	116	2.06	-1.07	1.55	-0.56	1.15	81.66	-307.41	3.19	-228.94	-
156.11												
9	87	117	10.65	1.33	6.48	5.50	4.64	52.67	-72.62	51.53	-71.47	11.93
9	87	121	-0.49	-25.95	-4.34	-22.11	-9.12	99.19	-1446.40	-183.79	-1163.42	-
597.74												
9	87	122	4.93	-6.16	4.87	-6.10	0.81	360.04	-546.66	343.93	-530.55	-
119.79												
9	87	151	3.19	-2.82	-2.74	3.11	-0.69	20.45	-6.40	16.31	-2.26	9.69
9	87	152	-1.39	-3.89	-2.69	-2.59	1.25	-9.50	-126.96	-60.30	-76.16	58.19
9	87	153	2.06	-2.05	2.00	-1.99	-0.49	100.02	49.87	60.98	88.91	-20.82
9	87	160	12.63	4.47	12.61	4.48	0.33	200.93	-312.63	-51.58	-60.12	-
256.74												
9	88	14	11.62	-37.86	-1.87	-24.37	-22.03	-111.83	-192.01	-131.21	-172.64	-34.32
9	88	15	16.51	-4.33	6.15	6.03	10.42	-10.26	-171.62	-72.85	-109.04	-78.62
9	88	108	16.59	-59.71	-53.65	10.52	-20.64	195.21	47.58	194.87	47.93	-7.13
9	88	115	19.81	6.84	15.03	11.62	6.26	63.18	-92.56	62.77	-92.16	7.95
9	88	116	2.46	-2.24	2.07	-1.85	1.29	8.46e-03	-107.57	-10.39	-97.18	-31.79
9	88	117	16.72	2.13	10.48	8.38	7.22	-16.19	-415.21	-240.32	-191.09	-
197.99												
9	88	121	-1.36	-46.92	-8.67	-39.61	-16.72	22.11	-295.28	-97.53	-175.64	-
153.81												
9	88	122	7.11	-11.26	7.11	-11.26	-0.11	62.46	-88.83	36.89	-63.26	-56.70
9	88	151	4.82	-4.16	-4.06	4.71	-0.97	228.78	-52.17	228.73	-52.12	-3.70
9	88	152	-2.49	-6.74	-4.82	-4.41	2.12	-20.84	-174.99	-159.82	-36.01	45.91
9	88	153	4.52	-4.87	4.40	-4.75	-1.06	16.05	-81.61	-57.77	-7.79	-41.95
9	88	160	11.09	8.72	9.34	10.47	1.04	61.78	-116.20	16.63	-71.05	-77.44
9	89	14	45.60	-10.17	7.68	27.75	26.02	189.85	-582.80	-154.64	-238.31	-
384.05												
9	89	15	5.11	-16.25	-5.35	-5.78	-10.68	45.74	18.73	20.01	44.45	5.74
9	89	108	73.97	-12.21	65.06	-3.31	26.23	11.50	-1036.18	-752.79	-271.89	-
465.39												
9	89	115	-6.64	-20.51	-15.07	-12.08	-6.77	82.57	-285.59	-217.91	14.88	-
142.61												
9	89	116	2.00	-0.52	-0.16	1.64	-0.88	152.57	-200.17	-56.52	8.92	-
173.31												
9	89	117	-2.70	-15.75	-9.97	-8.48	-6.48	419.24	28.20	298.40	149.05	180.70
9	89	121	49.10	2.81	10.92	40.99	17.60	99.64	-468.51	14.51	-383.37	-
202.79												
9	89	122	11.46	-5.83	-5.77	11.40	1.03	63.36	-283.18	9.96	-229.78	-
125.11												
9	89	151	3.96	-4.74	3.86	-4.64	0.93	-23.63	-252.80	-251.59	-24.84	-16.61
9	89	152	6.67	2.49	4.67	4.49	-2.09	138.58	-48.50	133.97	-43.89	-29.01
9	89	153	5.09	-4.48	-4.36	4.97	1.07	136.82	-15.74	-7.35	128.43	34.77
9	89	160	-6.72	-11.49	-7.01	-11.20	-1.14	161.28	-250.76	-209.95	120.47	-
123.08												
9	90	14	21.12	-12.20	-5.12	14.04	13.63	262.08	160.53	160.56	262.04	-1.98
9	90	15	2.82	-8.88	-2.86	-3.20	-5.85	-12.00	-207.20	-192.37	-26.83	-51.72
9	90	108	34.85	-16.40	31.42	-12.97	12.82	-35.69	-509.80	-471.27	-74.22	-
129.54												
9	90	115	-3.24	-10.14	-7.45	-5.93	-3.36	0.60	-290.46	-273.50	-16.36	-68.17
9	90	116	1.10	-0.38	0.36	0.35	-0.74	151.51	-80.93	-70.10	140.68	-48.99
9	90	117	-1.88	-9.69	-5.97	-5.61	-3.90	49.37	-13.39	6.55	29.43	-29.22
9	90	121	28.12	1.96	6.59	23.49	9.99	701.25	3.92	100.76	604.41	241.14
9	90	122	6.24	-3.53	-3.53	6.23	0.12	244.61	-304.19	-297.09	237.51	-62.02
9	90	151	2.62	-3.11	2.55	-3.04	0.65	-22.06	-91.80	-39.16	-74.70	-30.00
9	90	152	3.83	1.38	2.55	2.67	-1.22	60.85	-30.14	34.45	-3.74	-41.29
9	90	153	2.27	-2.02	-1.96	2.21	0.50	32.91	-127.26	-126.09	31.74	13.65
9	90	160	-5.18	-10.32	-10.28	-5.22	-0.43	121.54	-153.75	-141.74	109.54	56.22
9	91	14	41.38	1.50	21.28	21.60	19.94	-19.60	-1791.47	-711.74	-1099.33	-
864.48												
9	91	15	3.78	-9.87	-2.83	-3.26	-6.83	365.24	64.71	352.60	77.35	60.33
9	91	108	66.74	7.38	56.01	18.11	22.85	252.42	-1308.02	-644.50	-411.10	-

771.45												
9	91	115	-4.68	-15.27	-10.86	-9.09	-5.22	219.16	-146.42	62.95	9.79	-
180.85												
9	91	116	1.91	0.27	0.30	1.88	0.21	196.49	-494.69	1.09	-299.29	-
311.25												
9	91	117	-1.36	-7.27	-4.97	-3.67	-2.88	690.14	-48.86	493.97	147.31	326.32
9	91	121	29.56	1.85	7.05	24.36	10.82	209.99	-2517.99	-218.93	-2089.07	-
993.04												
9	91	122	7.54	-2.31	-1.84	7.07	2.10	620.20	-1009.25	596.30	-985.35	-
195.90												
9	91	151	1.43	-1.90	1.41	-1.88	0.28	49.63	-338.66	-337.86	48.83	17.52
9	91	152	3.78	1.50	2.83	2.45	-1.13	137.39	-117.57	130.98	-111.15	39.92
9	91	153	4.28	-3.58	-3.50	4.19	0.83	224.90	165.78	178.84	211.85	24.53
9	91	160	10.16	-9.30	10.09	-9.23	-1.19	347.95	-525.41	-188.58	11.11	-
425.11												
9	92	14	-1.58	-53.93	-26.31	-29.20	-26.14	892.04	-5.77	332.51	553.75	435.06
9	92	15	17.46	-5.03	6.26	6.17	11.25	-93.23	-439.38	-367.20	-165.42	-
140.63												
9	92	108	-6.13	-80.21	-68.76	-17.58	-26.77	597.03	-83.40	288.02	225.60	338.78
9	92	115	23.14	7.81	17.29	13.66	7.45	-43.09	-180.35	-115.11	-108.32	68.55
9	92	116	2.24	-2.83	2.12	-2.71	0.79	189.09	-99.69	-49.49	138.89	109.44
9	92	117	15.88	1.96	10.21	7.63	6.84	30.22	-791.77	-506.26	-255.29	-
391.37												
9	92	121	-1.36	-48.94	-9.17	-41.14	-17.62	1480.29	-112.40	72.93	1294.96	510.70
9	92	122	6.40	-12.07	6.32	-11.98	-1.22	599.25	-448.00	-447.82	599.07	13.82
9	92	151	4.28	-3.61	-3.53	4.20	-0.79	394.92	-120.39	393.11	-118.58	-30.51
9	92	152	-2.61	-6.91	-5.11	-4.41	2.12	23.10	-213.77	-213.73	23.05	3.21
9	92	153	5.50	-6.10	5.36	-5.96	-1.26	-87.12	-240.88	-223.67	-104.33	-48.48
9	92	160	13.11	-2.28	-2.13	12.96	1.51	196.42	-169.47	41.79	-14.84	180.75
9	93	14	62.47	2.23	32.12	32.58	30.12	79.30	-1662.37	-618.36	-964.71	-
853.44												
9	93	15	5.81	-17.19	-5.46	-5.92	-11.50	334.04	81.15	314.36	100.83	67.74
9	93	108	95.08	9.90	80.18	24.79	32.36	187.40	-1482.91	-845.95	-449.57	-
811.30												
9	93	115	-7.60	-23.85	-17.32	-14.12	-7.97	201.81	-210.78	-40.02	31.04	-
203.21												
9	93	116	2.55	-0.26	-0.21	2.50	-0.38	209.27	-453.84	-17.42	-227.15	-
314.54												
9	93	117	-2.53	-14.90	-9.70	-7.73	-6.11	802.02	-24.43	564.35	213.24	374.08
9	93	121	51.13	2.81	11.42	42.52	18.49	208.72	-2218.65	-155.95	-1853.97	-
867.30												
9	93	122	12.38	-5.24	-4.97	12.12	2.14	521.74	-919.18	494.67	-892.11	-
195.64												
9	93	151	3.41	-4.20	3.33	-4.13	0.75	41.85	-416.19	-415.96	41.62	10.20
9	93	152	6.83	2.62	4.96	4.49	-2.09	188.52	-103.60	187.88	-102.95	13.69
9	93	153	6.32	-5.45	-5.31	6.18	1.28	244.76	138.77	158.56	224.97	41.30
9	93	160	4.60	-13.84	4.46	-13.70	-1.61	324.17	-495.02	-235.11	64.26	-
381.27												
9	94	14	-0.83	-32.86	-15.47	-18.22	-15.96	1022.15	92.12	425.89	688.38	446.11
9	94	15	10.14	-3.01	3.63	3.50	6.57	-86.33	-461.05	-405.44	-141.94	-
133.21												
9	94	108	-3.62	-51.86	-44.59	-10.89	-17.26	439.99	-166.27	86.57	187.14	298.93
9	94	115	14.56	4.90	10.82	8.63	4.70	-72.42	-232.73	-218.09	-87.06	46.18
9	94	116	1.62	-2.10	1.61	-2.09	0.21	246.82	-103.80	-68.00	211.03	106.15
9	94	117	8.26	0.78	5.48	3.56	3.62	52.44	-677.68	-435.89	-189.35	-
343.61												
9	94	121	-0.42	-27.37	-4.80	-22.99	-9.94	1776.89	-110.93	135.91	1530.05	636.44
9	94	122	3.32	-7.08	3.19	-6.94	-1.18	692.47	-549.61	-549.45	692.31	14.09
9	94	151	1.98	-1.64	-1.61	1.95	-0.32	318.23	-129.02	315.01	-125.80	-37.82
9	94	152	-1.48	-3.87	-2.98	-2.37	1.16	34.03	-159.60	-156.83	31.26	-23.02
9	94	153	3.63	-4.06	3.54	-3.98	-0.82	-84.88	-250.27	-243.95	-91.20	-31.70
9	94	160	8.57	-7.83	-7.75	8.50	1.09	242.40	-208.83	-4.74	38.31	224.59
9	95	14	44.16	4.36	27.19	21.33	19.68	-17.64	-1788.39	-708.81	-1097.22	-
863.81												
9	95	15	3.72	-9.73	-2.79	-3.21	-6.72	363.95	64.23	351.41	76.76	60.00
9	95	108	67.36	12.94	55.33	24.98	22.58	253.10	-1310.42	-645.30	-412.01	-
773.01												
9	95	115	-4.62	-15.07	-10.72	-8.97	-5.15	218.01	-147.06	61.91	9.05	-
180.61												
9	95	116	1.89	0.27	0.30	1.86	0.22	195.55	-493.65	0.79	-298.90	-
310.31												
9	95	117	-1.34	-7.13	-4.87	-3.60	-2.83	687.49	-48.16	492.13	147.20	324.89

9	95	121	29.10	1.83	6.95	23.98	10.65	208.91	-2514.63	-217.19	-2088.53	-989.41
9	95	122	7.44	-2.28	-1.81	6.97	2.09	619.29	-1007.56	595.58	-983.84	-194.97
9	95	151	1.40	-1.86	1.38	-1.84	0.27	49.44	-337.55	-336.73	48.61	17.80
9	95	152	3.72	1.48	2.79	2.41	-1.11	136.69	-118.29	130.29	-111.89	39.89
9	95	153	4.23	-3.54	-3.45	4.14	0.82	225.46	165.96	178.95	212.48	24.57
9	95	160	10.29	-9.18	10.22	-9.11	-1.18	346.00	-523.49	-188.09	10.60	-423.24
9	96	14	1.85	-51.72	-20.40	-29.47	-26.40	895.11	-3.81	335.43	555.87	435.73
9	96	15	17.61	-5.09	6.30	6.22	11.35	-93.69	-440.72	-368.39	-166.01	-140.95
9	96	108	-0.16	-79.99	-69.44	-10.71	-27.03	594.62	-82.71	287.22	224.70	337.22
9	96	115	23.34	7.86	17.43	13.78	7.52	-43.74	-181.48	-116.16	-109.06	68.78
9	96	116	2.25	-2.86	2.12	-2.73	0.80	190.07	-100.58	-49.79	139.28	110.37
9	96	117	16.02	1.98	10.31	7.69	6.90	30.88	-794.38	-508.11	-255.40	-392.81
9	96	121	-1.39	-49.41	-9.27	-41.53	-17.79	1483.30	-113.12	74.67	1295.50	514.33
9	96	122	6.43	-12.17	6.35	-12.09	-1.24	600.78	-448.75	-448.54	600.57	14.75
9	96	151	4.32	-3.64	-3.56	4.24	-0.80	396.02	-120.58	394.24	-118.80	-30.22
9	96	152	-2.63	-6.97	-5.15	-4.45	2.14	22.36	-214.46	-214.42	22.31	3.17
9	96	153	5.54	-6.15	5.40	-6.01	-1.27	-86.57	-240.69	-223.56	-103.69	-48.43
9	96	160	13.23	-2.15	-2.00	13.08	1.52	198.34	-171.41	42.28	-15.35	182.62
9	97	14	60.09	-1.03	26.22	32.85	30.38	77.36	-1665.46	-621.28	-966.82	-854.11
9	97	15	5.87	-17.34	-5.50	-5.97	-11.60	335.36	81.62	315.55	101.42	68.07
9	97	108	94.71	4.07	80.85	17.93	32.62	186.75	-1480.55	-845.14	-448.66	-809.73
9	97	115	-7.65	-24.05	-17.46	-14.24	-8.04	202.91	-210.10	-38.97	31.79	-203.45
9	97	116	2.58	-0.26	-0.21	2.52	-0.39	210.22	-454.89	-17.12	-227.54	-315.47
9	97	117	-2.55	-15.04	-9.80	-7.80	-6.16	804.66	-25.12	566.19	213.35	375.51
9	97	121	51.60	2.83	11.52	42.91	18.66	209.75	-2221.96	-157.70	-1854.51	-870.93
9	97	122	12.49	-5.27	-5.00	12.22	2.16	522.67	-920.90	495.39	-893.61	-196.57
9	97	151	3.44	-4.24	3.36	-4.17	0.76	42.05	-417.31	-417.10	41.84	9.91
9	97	152	6.89	2.65	5.00	4.53	-2.11	189.22	-102.86	188.57	-102.21	13.73
9	97	153	6.37	-5.50	-5.36	6.23	1.29	244.19	138.60	158.45	224.34	41.25
9	97	160	4.48	-13.96	4.33	-13.82	-1.62	326.11	-496.94	-235.60	64.77	-383.14
9	98	14	-3.87	-35.46	-21.38	-17.94	-15.70	1019.10	90.13	422.97	686.27	445.44
9	98	15	9.99	-2.94	3.59	3.45	6.47	-85.88	-459.71	-404.25	-141.35	-132.88
9	98	108	-9.39	-52.28	-43.92	-17.76	-17.00	442.39	-166.97	87.38	188.05	300.49
9	98	115	14.36	4.84	10.68	8.51	4.63	-71.79	-231.58	-217.04	-86.32	45.95
9	98	116	1.62	-2.08	1.61	-2.07	0.19	245.94	-103.00	-67.70	210.64	105.22
9	98	117	8.12	0.75	5.38	3.50	3.56	51.77	-675.05	-434.04	-189.24	-342.18
9	98	121	-0.39	-26.90	-4.69	-22.60	-9.78	1773.75	-110.08	134.16	1529.51	632.81
9	98	122	3.29	-6.97	3.16	-6.84	-1.17	690.94	-548.87	-548.73	690.81	13.16
9	98	151	1.94	-1.61	-1.58	1.91	-0.31	317.15	-128.86	313.87	-125.58	-38.11
9	98	152	-1.45	-3.81	-2.94	-2.33	1.14	34.76	-158.90	-156.14	31.99	-22.99
9	98	153	3.58	-4.01	3.49	-3.92	-0.81	-85.48	-250.42	-244.06	-91.84	-31.75
9	98	160	8.45	-7.95	-7.88	8.38	1.08	240.60	-207.01	-5.23	38.82	222.72
9	99	14	36.48	1.38	18.82	19.05	17.55	-37.09	-1784.58	-714.96	-1106.71	-851.51
9	99	15	3.19	-8.49	-2.44	-2.85	-5.84	357.61	63.84	346.67	74.78	55.62
9	99	108	59.36	6.70	49.70	16.37	20.39	249.39	-1319.03	-647.44	-422.20	-776.08
9	99	115	-4.10	-13.36	-9.48	-7.97	-4.57	217.72	-148.33	66.59	2.80	-180.22
9	99	116	1.78	0.30	0.35	1.73	0.26	191.62	-492.99	-1.56	-299.81	-308.11
9	99	117	-1.02	-5.83	-4.05	-2.81	-2.32	671.62	-45.99	480.26	145.38	317.34
9	99	121	25.29	1.66	6.15	20.79	9.28	210.30	-2470.42	-216.76	-2043.35	-981.05
9	99	122	6.63	-1.97	-1.49	6.15	1.97	610.30	-996.28	585.98	-971.96	-196.19
9	99	151	1.14	-1.52	1.12	-1.50	0.22	48.90	-327.09	-326.42	48.23	15.82
9	99	152	3.19	1.27	2.41	2.06	-0.94	131.77	-118.24	124.49	-110.96	42.04

9	99	153	3.79	-3.15	-3.07	3.71	0.73	225.68	164.73	175.48	214.92	23.24
9	99	160	9.49	-8.17	9.43	-8.11	-1.03	347.77	-518.49	-187.08	16.36	-421.02
9	100	14	-1.46	-49.04	-23.84	-26.65	-23.75	885.31	11.56	335.73	561.13	422.09
9	100	15	16.07	-4.44	5.87	5.77	10.26	-93.78	-430.33	-361.26	-162.84	-135.92
9	100	108	-5.46	-72.83	-62.45	-15.84	-24.31	608.32	-80.65	290.97	236.71	343.41
9	100	115	21.23	7.22	15.91	12.53	6.80	-41.56	-178.52	-118.75	-101.33	67.92
9	100	116	2.19	-2.67	2.07	-2.56	0.73	187.61	-95.03	-46.83	139.41	106.30
9	100	117	14.44	1.62	9.29	6.77	6.28	27.70	-773.61	-492.55	-253.36	-382.39
9	100	121	-1.17	-44.67	-8.27	-37.56	-16.08	1431.97	-111.96	70.76	1249.25	498.72
9	100	122	6.04	-11.13	5.97	-11.06	-1.09	585.87	-437.70	-437.50	585.68	14.10
9	100	151	3.90	-3.32	-3.25	3.82	-0.73	383.32	-119.63	381.66	-117.98	-28.81
9	100	152	-2.38	-6.32	-4.68	-4.03	1.94	22.87	-207.24	-207.24	22.86	1.09
9	100	153	5.06	-5.61	4.93	-5.48	-1.16	-90.28	-237.44	-220.32	-107.40	-47.19
9	100	160	11.98	-1.61	-1.47	11.85	1.35	189.31	-169.11	40.29	-20.09	176.65
9	101	14	57.57	2.11	29.66	30.03	27.73	61.71	-1655.37	-621.58	-972.09	-840.47
9	101	15	5.22	-15.81	-5.07	-5.52	-10.51	325.89	80.80	308.43	98.26	63.04
9	101	108	87.70	9.22	73.87	23.05	29.90	183.92	-1493.49	-848.90	-460.67	-815.93
9	101	115	-7.01	-21.93	-15.95	-13.00	-7.31	198.66	-211.00	-36.39	24.06	-202.59
9	101	116	2.39	-0.20	-0.16	2.35	-0.32	204.37	-452.11	-20.08	-227.67	-311.40
9	101	117	-2.20	-13.46	-8.78	-6.88	-5.55	783.56	-21.62	550.64	211.31	365.09
9	101	121	46.85	2.61	10.53	38.94	16.96	208.89	-2170.93	-153.78	-1808.26	-855.32
9	101	122	11.45	-4.88	-4.62	11.20	2.01	511.95	-906.32	484.35	-878.72	-195.92
9	101	151	3.12	-3.82	3.05	-3.75	0.69	41.18	-404.68	-404.52	41.02	8.50
9	101	152	6.24	2.40	4.53	4.10	-1.91	182.27	-103.64	181.39	-102.76	15.81
9	101	153	5.82	-5.02	-4.89	5.69	1.18	245.73	137.52	155.20	228.05	40.01
9	101	160	3.93	-12.71	3.81	-12.58	-1.45	324.43	-488.54	-233.61	69.51	-377.17
9	102	14	-0.70	-27.97	-13.01	-15.67	-13.57	1015.62	109.25	429.11	695.76	433.13
9	102	15	8.75	-2.41	3.24	3.10	5.58	-86.59	-452.28	-399.51	-139.36	-128.51
9	102	108	-2.95	-44.48	-38.28	-9.15	-14.80	452.27	-164.52	89.51	198.24	303.57
9	102	115	12.64	4.31	9.45	7.51	4.05	-66.69	-235.11	-221.72	-80.08	45.56
9	102	116	1.57	-1.94	1.56	-1.94	0.15	245.67	-99.47	-65.35	211.54	103.01
9	102	117	6.83	0.44	4.56	2.70	3.06	49.82	-659.42	-422.18	-187.42	-334.63
9	102	121	-0.22	-23.09	-3.90	-19.41	-8.41	1728.80	-110.73	133.74	1484.34	624.45
9	102	122	2.96	-6.14	2.84	-6.02	-1.05	679.09	-539.30	-539.13	678.92	14.37
9	102	151	1.60	-1.34	-1.32	1.58	-0.26	306.59	-128.21	303.57	-125.19	-36.13
9	102	152	-1.25	-3.29	-2.56	-1.98	0.98	34.48	-153.76	-150.34	31.06	-25.14
9	102	153	3.19	-3.57	3.12	-3.49	-0.72	-88.21	-246.67	-240.60	-94.28	-30.41
9	102	160	7.44	-7.16	-7.10	7.38	0.92	234.77	-207.96	-6.24	33.06	220.49
9	103	14	39.30	4.21	24.72	18.78	17.29	-35.13	-1781.50	-712.03	-1104.60	-850.84
9	103	15	3.13	-8.34	-2.40	-2.80	-5.73	356.31	63.35	345.48	74.19	55.30
9	103	108	60.03	12.23	49.02	23.23	20.12	250.07	-1321.43	-648.25	-423.11	-777.65
9	103	115	-4.04	-13.16	-9.35	-7.85	-4.50	216.56	-148.97	65.54	2.06	-179.99
9	103	116	1.76	0.29	0.35	1.71	0.28	190.67	-491.95	-1.86	-299.42	-307.18
9	103	117	-1.00	-5.69	-3.95	-2.74	-2.27	668.97	-45.29	478.42	145.27	315.90
9	103	121	24.82	1.63	6.05	20.40	9.11	209.21	-2467.04	-215.02	-2042.81	-977.43
9	103	122	6.53	-1.94	-1.46	6.05	1.95	609.39	-994.58	585.26	-970.45	-195.25
9	103	151	1.11	-1.48	1.10	-1.46	0.21	48.70	-325.98	-325.28	48.01	16.11
9	103	152	3.13	1.25	2.37	2.02	-0.93	131.07	-118.97	123.80	-111.70	42.00
9	103	153	3.74	-3.10	-3.03	3.66	0.72	226.26	164.89	175.59	215.56	23.28
9	103	160	9.62	-8.05	9.56	-8.00	-1.02	345.82	-516.56	-186.59	15.85	-419.14
9	104	14	2.00	-46.85	-17.94	-26.92	-24.01	888.37	13.53	338.65	563.25	422.76
9	104	15	16.22	-4.50	5.90	5.82	10.36	-94.23	-431.67	-362.46	-163.44	-136.25

9	104	108	0.52	-72.62	-63.13	-8.97	-24.57	605.91	-79.95	290.16	235.80	341.85
9	104	115	21.43	7.28	16.05	12.65	6.87	-42.20	-179.66	-119.79	-102.07	68.16
9	104	116	2.19	-2.69	2.07	-2.58	0.74	188.58	-95.92	-47.13	139.80	107.24
9	104	117	14.58	1.65	9.39	6.84	6.34	28.35	-776.21	-494.39	-253.47	-383.82
9	104	121	-1.19	-45.13	-8.38	-37.95	-16.25	1435.00	-112.71	72.50	1249.79	502.34
9	104	122	6.07	-11.23	6.00	-11.16	-1.10	587.40	-438.44	-438.22	587.18	15.04
9	104	151	3.94	-3.35	-3.27	3.86	-0.74	384.42	-119.82	382.80	-118.20	-28.52
9	104	152	-2.41	-6.38	-4.72	-4.07	1.96	22.13	-207.93	-207.93	22.12	1.06
9	104	153	5.11	-5.66	4.98	-5.53	-1.18	-89.74	-237.24	-220.21	-106.77	-47.14
9	104	160	12.10	-1.48	-1.34	11.97	1.35	191.23	-171.05	40.78	-20.60	178.52
9	105	14	55.20	-1.16	23.75	30.30	27.99	59.77	-1658.46	-624.50	-974.20	-841.13
9	105	15	5.28	-15.95	-5.10	-5.57	-10.61	327.20	81.27	309.62	98.85	63.37
9	105	108	87.33	3.40	74.54	16.19	30.16	183.27	-1491.12	-848.09	-459.76	-814.37
9	105	115	-7.07	-22.13	-16.09	-13.11	-7.38	199.77	-210.31	-35.34	24.80	-202.82
9	105	116	2.41	-0.21	-0.16	2.37	-0.33	205.32	-453.16	-19.78	-228.06	-312.34
9	105	117	-2.22	-13.60	-8.88	-6.94	-5.60	786.21	-22.31	552.48	211.42	366.53
9	105	121	47.32	2.64	10.63	39.33	17.12	209.94	-2174.26	-155.53	-1808.80	-858.94
9	105	122	11.55	-4.91	-4.65	11.30	2.02	512.88	-908.04	485.07	-880.22	-196.85
9	105	151	3.15	-3.86	3.08	-3.79	0.70	41.39	-405.80	-405.65	41.23	8.22
9	105	152	6.30	2.42	4.58	4.14	-1.93	182.96	-102.90	182.08	-102.02	15.84
9	105	153	5.88	-5.06	-4.93	5.75	1.19	245.15	137.36	155.09	227.42	39.96
9	105	160	3.81	-12.83	3.68	-12.70	-1.46	326.37	-490.45	-234.10	70.02	-379.04
9	106	14	-3.73	-30.58	-18.91	-15.39	-13.31	1012.58	107.25	426.18	693.65	432.46
9	106	15	8.60	-2.35	3.20	3.05	5.48	-86.14	-450.94	-398.31	-138.77	-128.18
9	106	108	-8.71	-44.92	-37.61	-16.02	-14.54	454.68	-165.21	90.32	199.15	305.13
9	106	115	12.44	4.25	9.31	7.39	3.98	-66.05	-233.96	-220.67	-79.33	45.32
9	106	116	1.57	-1.92	1.56	-1.92	0.14	244.78	-98.68	-65.05	211.15	102.08
9	106	117	6.69	0.41	4.46	2.64	3.00	49.16	-656.80	-420.33	-187.31	-333.19
9	106	121	-0.19	-22.62	-3.80	-19.02	-8.24	1725.65	-109.86	131.99	1483.80	620.83
9	106	122	2.93	-6.03	2.81	-5.91	-1.03	677.56	-538.56	-538.41	677.41	13.44
9	106	151	1.56	-1.32	-1.29	1.54	-0.25	305.51	-128.05	302.43	-124.97	-36.41
9	106	152	-1.23	-3.23	-2.51	-1.94	0.96	35.21	-153.06	-149.65	31.80	-25.10
9	106	153	3.15	-3.52	3.07	-3.44	-0.71	-88.80	-246.82	-240.71	-94.91	-30.46
9	106	160	7.32	-7.29	-7.23	7.26	0.91	232.97	-206.12	-6.73	33.57	218.62
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-126.65	-109.30	-63.94	-42.85		-3651.27	-1156.25	-3044.82	-1423.00
			141.52		120.71	65.32	48.44	2909.99		899.81	2485.81	1066.40

Macro	Tipo	Angolo 1-X (gradi)
11	**Guscio**	**0.0**

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
11	1	3	8.03e-02	-0.37	7.57e-02	-0.37	4.53e-02	8.15	-82.71	4.20	-78.77	-18.52
11	1	10	0.60	-7.48e-02	0.27	0.25	0.34	-2.34	-56.51	-10.51	-48.33	-19.39
11	1	118	0.39	0.13	0.33	0.19	0.11	16.78	-53.23	-1.27	-35.18	-30.63
11	1	119	0.51	-2.09e-02	0.30	0.19	0.26	28.54	-16.84	28.08	-16.38	4.56
11	1	120	0.75	-8.00e-02	0.43	0.23	0.40	95.49	-20.83	94.66	-20.01	9.75
11	1	123	0.41	-1.52e-02	0.30	9.46e-02	0.19	53.32	-57.11	48.95	-52.74	-21.52
11	1	124	-0.15	-1.52	-0.34	-1.33	-0.48	-37.52	-296.40	-37.63	-296.29	-5.28
11	1	132	0.57	2.29e-03	0.32	0.25	0.28	48.03	-19.30	27.42	1.31	31.03
11	1	135	0.91	0.12	0.46	0.56	0.40	-6.78	-46.38	-18.59	-34.57	-18.12
11	1	154	0.10	-1.52e-02	9.40e-02	-9.21e-03	-2.56e-02	23.72	-16.18	-13.84	21.37	-9.38
11	1	155	-8.90e-02	-0.25	-0.21	-0.13	7.11e-02	-3.24	-12.10	-3.36	-11.99	-0.99
11	1	156	0.13	-0.16	-0.14	0.11	-7.96e-02	16.92	-24.05	16.66	-23.79	-3.24
11	2	3	-1.41	-7.29	-2.78	-5.92	-2.48	-31.47	-489.85	-58.98	-462.34	-

108.87												
11	2	10	5.49	-0.99	2.06	2.44	3.24	-28.94	-168.80	-42.85	-154.90	-41.84
11	2	118	4.59	1.26	3.18	2.67	1.65	49.21	-181.23	1.70	-133.72	-93.23
11	2	119	2.78	-0.31	1.10	1.37	1.54	125.23	-55.14	108.90	-38.80	51.76
11	2	120	-1.69	-3.31	-2.56	-2.44	-0.81	236.83	-139.74	232.62	-135.53	-39.57
11	2	123	1.35	-0.17	0.53	0.65	0.76	174.67	-151.01	163.04	-139.38	-60.44
11	2	124	-1.44	-15.66	-4.06	-13.04	-5.51	-178.48	-1368.37	-179.01	-1367.84	-25.18
11	2	132	3.79	0.82	2.37	2.24	1.48	234.48	-95.71	114.57	24.19	158.79
11	2	135	7.39	1.44	3.86	4.97	2.92	-17.21	-101.17	-66.91	-51.48	-41.26
11	2	154	1.00	-0.38	0.95	-0.33	-0.26	83.87	-47.92	-42.91	78.85	-25.21
11	2	155	-0.83	-2.23	-1.75	-1.31	0.66	-25.13	-76.19	-30.85	-70.47	16.10
11	2	156	1.10	-1.21	-1.04	0.92	-0.62	49.47	-73.88	47.38	-71.79	-15.93
11	3	3	0.13	-0.20	0.11	-0.18	8.25e-02	7.03	-55.95	4.43	-53.35	-12.54
11	3	10	0.37	-4.04e-02	0.17	0.15	0.20	-1.28	-41.37	-7.48	-35.17	-14.49
11	3	118	0.22	7.22e-02	0.20	9.62e-02	5.50e-02	12.31	-38.55	-1.03	-25.20	-22.38
11	3	119	0.35	-1.20e-02	0.21	0.12	0.18	20.29	-12.39	20.08	-12.17	2.62
11	3	120	0.65	-3.10e-02	0.39	0.23	0.33	71.06	-14.05	70.21	-13.21	8.43
11	3	123	0.30	-1.14e-02	0.22	6.22e-02	0.13	38.73	-42.16	35.50	-38.93	-15.82
11	3	124	-9.14e-02	-0.91	-0.19	-0.80	-0.27	-26.20	-207.77	-26.28	-207.70	-3.69
11	3	132	0.38	-1.38e-02	0.21	0.15	0.19	33.45	-13.43	19.45	0.58	21.46
11	3	135	0.58	6.39e-02	0.29	0.35	0.26	-4.88	-34.79	-13.39	-26.28	-13.50
11	3	154	6.00e-02	-4.85e-03	5.61e-02	-1.03e-03	-1.53e-02	17.12	-11.86	-10.10	15.36	-6.92
11	3	155	-5.41e-02	-0.16	-0.14	-7.73e-02	4.35e-02	-1.88	-8.31	-2.06	-8.12	-1.08
11	3	156	8.44e-02	-0.11	-9.01e-02	6.95e-02	-5.10e-02	12.40	-17.57	12.23	-17.40	-2.26
11	4	3	-1.37	-7.10	-2.74	-5.73	-2.45	-32.57	-463.11	-58.75	-436.93	-
102.89												
11	4	10	5.26	-0.96	1.96	2.34	3.10	-27.83	-153.72	-39.81	-141.73	-36.95
11	4	118	4.43	1.20	3.05	2.58	1.59	44.78	-166.59	1.94	-123.75	-84.98
11	4	119	2.63	-0.30	1.02	1.31	1.46	117.24	-50.95	100.89	-34.60	49.82
11	4	120	-1.64	-3.41	-2.60	-2.45	-0.88	213.07	-133.63	208.17	-128.73	-40.89
11	4	123	1.24	-0.17	0.45	0.62	0.70	160.08	-136.06	149.59	-125.57	-54.74
11	4	124	-1.38	-15.04	-3.91	-12.51	-5.31	-167.16	-1279.74	-167.66	-1279.24	-23.59
11	4	132	3.60	0.81	2.26	2.14	1.40	219.93	-89.87	106.60	23.46	149.22
11	4	135	7.06	1.39	3.69	4.76	2.78	-14.64	-90.24	-61.70	-43.18	-36.64
11	4	154	0.96	-0.37	0.92	-0.32	-0.25	77.28	-43.61	-39.16	72.83	-22.75
11	4	155	-0.79	-2.13	-1.67	-1.26	0.64	-23.60	-72.56	-29.56	-66.60	16.01
11	4	156	1.05	-1.16	-0.99	0.88	-0.59	44.98	-67.41	42.96	-65.39	-14.94
11	5	3	9.10e-02	-0.25	8.17e-02	-0.24	5.56e-02	6.60	-60.29	3.75	-57.44	-13.50
11	5	10	0.42	-5.01e-02	0.19	0.18	0.23	-1.57	-42.55	-7.82	-36.30	-14.73
11	5	118	0.26	8.67e-02	0.23	0.12	7.14e-02	12.65	-39.91	-1.00	-26.25	-23.05
11	5	119	0.37	-1.43e-02	0.22	0.14	0.19	21.23	-12.70	20.94	-12.41	3.12
11	5	120	0.61	-4.83e-02	0.36	0.20	0.32	72.40	-15.16	71.69	-14.44	7.90
11	5	123	0.31	-1.15e-02	0.23	6.82e-02	0.14	40.02	-43.16	36.72	-39.86	-16.24
11	5	124	-0.11	-1.06	-0.23	-0.93	-0.32	-27.70	-219.21	-27.78	-219.13	-3.90
11	5	132	0.41	-5.01e-03	0.23	0.18	0.21	35.43	-14.23	20.38	0.82	22.82
11	5	135	0.65	7.82e-02	0.33	0.40	0.28	-5.07	-35.29	-13.91	-26.46	-13.75
11	5	154	6.96e-02	-8.71e-03	6.53e-02	-4.45e-03	-1.77e-02	17.75	-12.19	-10.41	15.97	-7.09
11	5	155	-6.22e-02	-0.18	-0.15	-8.99e-02	4.98e-02	-2.23	-8.87	-2.36	-8.74	-0.90
11	5	156	9.48e-02	-0.12	-9.97e-02	7.82e-02	-5.68e-02	12.75	-18.09	12.56	-17.91	-2.39
11	6	3	-0.94	-4.82	-1.82	-3.94	-1.63	-19.83	-331.70	-38.37	-313.16	-73.74
11	6	10	3.68	-0.66	1.38	1.63	2.17	-19.35	-117.37	-29.38	-107.35	-29.70
11	6	118	3.07	0.84	2.13	1.78	1.10	34.23	-125.20	0.98	-91.95	-64.78
11	6	119	1.89	-0.21	0.76	0.93	1.04	85.42	-37.97	74.82	-27.37	34.59
11	6	120	-1.12	-2.10	-1.64	-1.58	-0.49	166.08	-93.88	163.66	-91.46	-24.98
11	6	123	0.93	-0.11	0.38	0.44	0.52	120.92	-105.76	112.78	-97.62	-42.18
11	6	124	-0.96	-10.48	-2.71	-8.73	-3.68	-121.68	-933.85	-122.04	-933.49	-17.17
11	6	132	2.56	0.54	1.60	1.50	1.01	159.69	-65.13	78.48	16.07	107.99
11	6	135	4.97	0.96	2.60	3.34	1.97	-12.44	-71.40	-46.11	-37.73	-29.18
11	6	154	0.67	-0.25	0.64	-0.22	-0.17	57.84	-33.34	-29.78	54.29	-17.64
11	6	155	-0.56	-1.49	-1.17	-0.88	0.45	-17.09	-51.32	-20.69	-47.73	10.49
11	6	156	0.74	-0.82	-0.70	0.62	-0.42	34.44	-51.30	33.04	-49.91	-10.85
11	7	3	9.10e-02	-0.25	8.17e-02	-0.24	5.56e-02	6.60	-60.29	3.75	-57.44	-13.50
11	7	10	0.42	-5.01e-02	0.19	0.18	0.23	-1.57	-42.55	-7.82	-36.30	-14.73
11	7	118	0.26	8.67e-02	0.23	0.12	7.14e-02	12.65	-39.91	-1.00	-26.25	-23.05
11	7	119	0.37	-1.43e-02	0.22	0.14	0.19	21.23	-12.70	20.94	-12.41	3.12
11	7	120	0.61	-4.83e-02	0.36	0.20	0.32	72.40	-15.16	71.69	-14.44	7.90
11	7	123	0.31	-1.15e-02	0.23	6.82e-02	0.14	40.02	-43.16	36.72	-39.86	-16.24
11	7	124	-0.11	-1.06	-0.23	-0.93	-0.32	-27.70	-219.21	-27.78	-219.13	-3.90
11	7	132	0.41	-5.01e-03	0.23	0.18	0.21	35.43	-14.23	20.38	0.82	22.82
11	7	135	0.65	7.82e-02	0.33	0.40	0.28	-5.07	-35.29	-13.91	-26.46	-13.75
11	7	154	6.96e-02	-8.71e-03	6.53e-02	-4.45e-03	-1.77e-02	17.75	-12.19	-10.41	15.97	-7.09
11	7	155	-6.22e-02	-0.18	-0.15	-8.99e-02	4.98e-02	-2.23	-8.87	-2.36	-8.74	-0.90

11	7	156	9.48e-02	-0.12	-9.97e-02	7.82e-02	-5.68e-02	12.75	-18.09	12.56	-17.91 -2.39
11	8	3	-0.67	-3.41	-1.25	-2.83	-1.12	-11.93	-250.25	-25.73	-236.44 -55.67
11	8	10	2.70	-0.48	1.03	1.20	1.59	-14.08	-94.87	-22.91	-86.03 -25.21
11	8	118	2.22	0.62	1.56	1.28	0.79	27.71	-99.56	0.39	-72.24 -52.26
11	8	119	1.43	-0.15	0.60	0.69	0.79	65.79	-30.01	58.65	-22.88 25.15
11	8	120	-0.80	-1.29	-1.04	-1.05	-0.25	137.18	-69.47	136.07	-68.35 -15.11
11	8	123	0.74	-7.23e-02	0.33	0.33	0.40	96.65	-86.98	89.96	-80.29 -34.40
11	8	124	-0.71	-7.65	-1.97	-6.39	-2.67	-93.49	-719.46	-93.76	-719.18 -13.19
11	8	132	1.91	0.38	1.19	1.10	0.77	122.36	-49.81	61.05	11.50 82.44
11	8	135	3.67	0.70	1.92	2.45	1.46	-10.83	-59.97	-36.45	-34.34 -24.55
11	8	154	0.49	-0.18	0.47	-0.15	-0.13	45.80	-26.97	-23.97	42.79 -14.48
11	8	155	-0.41	-1.10	-0.87	-0.64	0.33	-13.01	-38.21	-15.19	-36.03 7.08
11	8	156	0.55	-0.61	-0.52	0.46	-0.31	27.91	-41.32	26.90	-40.31 -8.31
11	9	3	9.10e-02	-0.25	8.17e-02	-0.24	5.56e-02	6.60	-60.29	3.75	-57.44 -13.50
11	9	10	0.42	-5.01e-02	0.19	0.18	0.23	-1.57	-42.55	-7.82	-36.30 -14.73
11	9	118	0.26	8.67e-02	0.23	0.12	7.14e-02	12.65	-39.91	-1.00	-26.25 -23.05
11	9	119	0.37	-1.43e-02	0.22	0.14	0.19	21.23	-12.70	20.94	-12.41 3.12
11	9	120	0.61	-4.83e-02	0.36	0.20	0.32	72.40	-15.16	71.69	-14.44 7.90
11	9	123	0.31	-1.15e-02	0.23	6.82e-02	0.14	40.02	-43.16	36.72	-39.86 -16.24
11	9	124	-0.11	-1.06	-0.23	-0.93	-0.32	-27.70	-219.21	-27.78	-219.13 -3.90
11	9	132	0.41	-5.01e-03	0.23	0.18	0.21	35.43	-14.23	20.38	0.82 22.82
11	9	135	0.65	7.82e-02	0.33	0.40	0.28	-5.07	-35.29	-13.91	-26.46 -13.75
11	9	154	6.96e-02	-8.71e-03	6.53e-02	-4.45e-03	-1.77e-02	17.75	-12.19	-10.41	15.97 -7.09
11	9	155	-6.22e-02	-0.18	-0.15	-8.99e-02	4.98e-02	-2.23	-8.87	-2.36	-8.74 -0.90
11	9	156	9.48e-02	-0.12	-9.97e-02	7.82e-02	-5.68e-02	12.75	-18.09	12.56	-17.91 -2.39
11	10	3	-0.58	-2.94	-1.06	-2.46	-0.96	-9.29	-223.10	-21.52	-210.87 -49.64
11	10	10	2.37	-0.42	0.91	1.05	1.39	-12.31	-87.37	-20.76	-78.93 -23.71
11	10	118	1.94	0.54	1.37	1.12	0.69	25.54	-91.02	0.19	-65.67 -48.09
11	10	119	1.28	-0.13	0.54	0.61	0.70	59.27	-27.39	53.26	-21.38 22.00
11	10	120	-0.69	-1.02	-0.84	-0.87	-0.17	127.61	-61.40	126.87	-60.65 -11.82
11	10	123	0.67	-6.09e-02	0.32	0.29	0.37	88.56	-80.72	82.35	-74.51 -31.81
11	10	124	-0.62	-6.71	-1.72	-5.61	-2.34	-84.09	-647.99	-84.34	-647.74 -11.86
11	10	132	1.70	0.32	1.05	0.97	0.69	109.92	-44.71	55.24	9.97 73.92
11	10	135	3.24	0.61	1.69	2.16	1.29	-10.22	-56.23	-33.23	-33.22 -23.00
11	10	154	0.43	-0.15	0.41	-0.13	-0.11	41.78	-24.86	-22.03	38.96 -13.42
11	10	155	-0.36	-0.97	-0.77	-0.56	0.29	-11.64	-33.85	-13.35	-32.14 5.94
11	10	156	0.48	-0.54	-0.46	0.40	-0.27	25.74	-37.99	24.85	-37.11 -7.46
11	11	3	-4.21	-34.25	-17.29	-21.17	-14.90	338.90	-967.53	272.38	-901.02287.19
11	11	10	13.87	-3.64	4.50	5.73	8.74	-4.25	-398.68	-4.88	-398.05 -15.77
11	11	118	16.99	3.75	10.53	10.21	6.62	247.43	-338.97	243.65	-335.19 -46.92
11	11	119	1.98	-2.12	-0.83	0.69	1.90	616.09	-339.19	436.03	-159.13373.61
11	11	120	-1.37	-35.22	-28.19	-8.41	-13.73	1528.10	-457.63	1384.68	-314.20514.04
11	11	123	6.85	-8.00	-7.97	6.82	-0.68	755.73	-579.87	749.03	-573.18 94.34
11	11	124	-5.32	-46.37	-10.36	-41.33	-13.47	-81.86	-2201.17	-122.54	-2160.50290.79
11	11	132	5.44	9.18e-02	3.94	1.60	2.41	804.89	-304.90	377.75	122.23539.99
11	11	135	14.00	2.92	7.15	9.77	5.39	-129.18	-348.82	-181.51	-296.49 -93.57
11	11	154	4.83	-4.14	4.78	-4.09	-0.67	104.38	-59.54	-17.80	62.63 -71.42
11	11	155	-2.15	-6.03	-4.46	-3.72	1.90	-24.92	-98.30	-63.59	-59.63 36.64
11	11	156	2.54	-2.85	-2.65	2.35	-1.00	136.75	-60.65	136.22	-60.12 10.22
11	12	3	-6.95	-67.63	-33.57	-41.01	-30.11	-210.22	-846.95	-212.71	-844.46 -39.75
11	12	10	22.27	-6.51	6.91	8.85	14.36	51.47	-138.28	-47.81	-39.01 94.77
11	12	118	27.81	5.81	15.89	17.72	10.96	322.75	-101.32	190.73	30.71196.36
11	12	119	0.24	-3.57	-2.38	-0.96	1.77	256.81	-129.80	110.54	16.47187.49
11	12	120	-3.50	-72.38	-57.44	-18.44	-28.39	27.37	-431.24	27.37	-431.24 -0.19
11	12	123	11.52	-17.19	-16.92	11.24	-2.80	73.49	-82.01	27.27	-35.80 71.07
11	12	124	-7.68	-86.16	-17.70	-76.15	-26.18	-218.17	-1288.86	-219.24	-1287.79 33.82
11	12	132	7.63	7.10e-02	6.69	1.02	2.50	449.26	-61.56	118.03	269.67243.90
11	12	135	21.75	4.85	11.66	14.94	8.29	-32.45	-171.05	-120.16	-83.34 -66.81
11	12	154	8.25	-7.14	8.17	-7.06	-1.09	7.54	-160.76	7.38	-160.60 -5.10
11	12	155	-3.32	-9.34	-6.88	-5.78	2.96	24.01	-168.10	-135.01	-9.09 72.54
11	12	156	4.15	-4.40	-4.12	3.87	-1.52	120.30	63.85	106.70	77.45 24.14
11	13	3	62.07	5.48	31.45	36.09	28.20	436.03	156.36	169.68	422.71 -59.54
11	13	10	5.67	-17.52	-5.10	-6.75	-11.57	99.08	-211.64	6.29	-118.85 -
142.20											
11	13	118	-4.66	-23.98	-13.15	-15.49	-9.59	116.67	-469.07	-190.35	-162.05 -
292.53											
11	13	119	3.56	2.08	3.47	2.18	-0.36	114.49	-177.74	-4.01	-59.24 -
143.48											
11	13	120	70.41	2.05	55.76	16.70	28.05	316.07	220.23	226.37	309.94 -23.46
11	13	123	17.99	-11.09	17.56	-10.66	3.53	196.08	-171.87	137.43	-113.23 -
134.68											
11	13	124	72.82	6.36	14.26	64.92	21.51	85.92	-43.06	50.56	-7.70 -57.54

11	13	132	1.15	-4.81	-4.58	0.92	-1.13	25.91	-283.19	-7.55	-249.73	-96.05
11	13	135	-3.63	-15.27	-8.28	-10.62	-5.70	63.07	7.53	53.70	16.91	20.80
11	13	154	6.85	-7.40	-7.35	6.80	0.87	240.15	-53.07	-51.45	238.53	-21.74
11	13	155	7.41	2.60	5.35	4.66	-2.38	128.36	-75.24	108.30	-55.18	-60.67
11	13	156	3.36	-3.21	3.21	-3.06	0.98	-42.96	-165.71	-57.00	-151.67	-39.07
11	14	3	28.71	2.71	15.17	16.25	12.98	636.23	-472.37	-315.42	479.27	-
386.48												
11	14	10	2.81	-9.12	-2.68	-3.63	-5.95	243.76	-40.20	-36.63	240.19	-31.66
11	14	118	-2.64	-13.13	-7.79	-7.98	-5.24	209.21	-248.63	-243.27	203.85	-49.25
11	14	119	2.08	0.37	1.92	0.53	-0.49	291.34	-504.49	-329.50	116.36	-
329.60												
11	14	120	33.26	-8.38e-02	26.51	6.67	13.40	383.77	-1321.81	-1130.94	192.90	-
537.69												
11	14	123	8.74	-6.37	8.61	-6.24	1.41	448.31	-608.49	-584.33	424.15	-
157.95												
11	14	124	33.06	3.96	6.92	30.10	8.79	963.02	-144.15	-46.14	865.01	-
314.51												
11	14	132	0.76	-2.25	-1.84	0.35	-1.03	215.94	-585.50	-267.27	-102.29	-
392.14												
11	14	135	-1.69	-7.53	-3.77	-5.45	-2.80	247.17	97.92	115.05	230.05	47.57
11	14	154	3.85	-3.99	-3.96	3.83	0.45	43.69	-54.67	-26.27	15.29	44.58
11	14	155	4.10	1.43	2.93	2.60	-1.33	48.44	-16.20	36.88	-4.65	-24.76
11	14	156	1.80	-1.60	1.74	-1.54	0.45	-6.22	-94.39	-86.52	-14.10	-25.15
11	15	3	-4.33	-35.79	-18.05	-22.07	-15.60	332.88	-977.54	268.10	-912.77	284.05
11	15	10	14.28	-3.78	4.61	5.89	9.01	-5.94	-394.93	-6.40	-394.47	-13.35
11	15	118	17.54	3.84	10.80	10.58	6.85	247.34	-336.31	244.06	-333.03	-43.63
11	15	119	1.92	-2.19	-0.92	0.65	1.90	618.87	-341.58	436.22	-158.92	376.92
11	15	120	-1.44	-37.06	-29.64	-8.86	-14.47	1504.00	-444.05	1364.87	-304.92	501.67
11	15	123	7.11	-8.48	-8.44	7.07	-0.77	751.26	-572.61	744.48	-565.83	94.54
11	15	124	-5.45	-48.09	-10.70	-42.84	-14.01	-78.75	-2209.94	-120.06	-2168.62	293.84
11	15	132	5.44	-9.47e-02	4.06	1.29	2.40	845.71	-250.91	378.55	216.25	542.27
11	15	135	14.37	3.03	7.38	10.02	5.52	-128.20	-343.05	-181.67	-289.58	-92.90
11	15	154	5.01	-4.30	4.95	-4.25	-0.69	102.08	-58.66	-16.98	60.40	-70.44
11	15	155	-2.21	-6.19	-4.58	-3.82	1.95	-24.26	-99.79	-64.63	-59.42	37.68
11	15	156	2.61	-2.91	-2.72	2.42	-1.02	135.76	-58.58	135.22	-58.03	10.29
11	16	3	-6.83	-66.09	-32.81	-40.10	-29.41	-206.30	-834.85	-208.44	-832.71	-36.61
11	16	10	21.86	-6.37	6.80	8.69	14.08	47.93	-136.80	-46.28	-42.59	92.35
11	16	118	27.25	5.72	15.63	17.35	10.73	318.76	-99.90	190.31	28.54	193.07
11	16	119	0.29	-3.50	-2.29	-0.92	1.77	253.41	-126.79	110.36	16.26	184.19
11	16	120	-3.44	-70.54	-55.99	-17.99	-27.65	47.49	-440.83	47.18	-440.53	12.17
11	16	123	11.26	-16.72	-16.45	10.99	-2.72	74.52	-85.83	31.83	-43.15	70.87
11	16	124	-7.56	-84.44	-17.36	-74.63	-25.64	-220.81	-1280.56	-221.71	-1279.66	30.76
11	16	132	7.58	0.32	6.57	1.33	2.51	389.81	-96.93	117.23	175.65	241.61
11	16	135	21.38	4.74	11.44	14.68	8.16	-36.02	-174.23	-120.00	-90.25	-67.48
11	16	154	8.07	-6.98	8.00	-6.91	-1.07	6.79	-158.60	6.57	-158.38	-6.07
11	16	155	-3.27	-9.18	-6.76	-5.68	2.90	23.23	-166.49	-133.97	-9.29	71.50
11	16	156	4.07	-4.34	-4.06	3.80	-1.50	120.53	62.54	107.70	75.37	24.07
11	17	3	60.53	5.35	30.69	35.19	27.50	426.04	150.33	165.40	410.96	-62.68
11	17	10	5.53	-17.11	-4.99	-6.59	-11.29	96.87	-207.37	4.77	-115.27	-
139.77												
11	17	118	-4.58	-23.43	-12.89	-15.12	-9.36	114.72	-464.54	-189.94	-159.89	-
289.24												
11	17	119	3.47	2.04	3.38	2.14	-0.36	111.44	-174.30	-3.83	-59.03	-
140.18												
11	17	120	68.57	1.98	54.31	16.25	27.32	329.65	196.13	206.56	319.22	-35.82
11	17	123	17.51	-10.83	17.09	-10.41	3.45	193.32	-166.32	132.88	-105.88	-
134.48												
11	17	124	71.10	6.23	13.92	63.41	20.97	83.05	-45.84	53.03	-15.82	-54.48
11	17	132	0.86	-4.71	-4.46	0.62	-1.14	38.51	-200.98	-6.76	-155.71	-93.76
11	17	135	-3.52	-14.90	-8.06	-10.36	-5.57	64.79	12.56	53.54	23.81	21.48
11	17	154	6.69	-7.23	-7.18	6.64	0.85	237.79	-52.13	-50.64	236.30	-20.77
11	17	155	7.25	2.54	5.23	4.56	-2.33	126.82	-74.54	107.26	-54.98	-59.63
11	17	156	3.29	-3.14	3.14	-2.99	0.95	-43.64	-163.94	-58.00	-149.58	-39.00
11	18	3	30.25	2.84	15.93	17.16	13.69	644.75	-464.87	-311.14	491.02	-
383.34												
11	18	10	2.95	-9.53	-2.80	-3.79	-6.22	240.82	-39.32	-35.11	236.61	-34.08
11	18	118	-2.73	-13.68	-8.05	-8.35	-5.47	207.80	-249.80	-243.69	201.69	-52.54
11	18	119	2.16	0.41	2.01	0.57	-0.50	293.89	-507.42	-329.69	116.16	-
332.91												
11	18	120	35.10	-1.98e-02	27.96	7.12	14.14	369.94	-1297.45	-1111.13	183.62	-
525.32												
11	18	123	9.22	-6.63	9.07	-6.49	1.50	441.30	-604.26	-579.77	416.80	-

158.15												
11	18	124	34.78	4.10	7.26	31.62	9.33	971.95	-147.42	-48.61	873.14	-
317.56												
11	18	132	1.01	-2.31	-1.96	0.65	-1.02	163.86	-628.24	-268.07	-196.31	-
394.42												
11	18	135	-1.80	-7.90	-4.00	-5.70	-2.93	240.67	97.68	115.21	223.14	46.89
11	18	154	4.01	-4.16	-4.14	3.99	0.47	44.19	-53.76	-27.09	17.52	43.60
11	18	155	4.26	1.48	3.05	2.70	-1.38	50.05	-16.98	37.92	-4.85	-25.80
11	18	156	1.87	-1.68	1.80	-1.61	0.48	-7.98	-93.72	-85.52	-16.18	-25.22
11	19	3	-4.36	-36.11	-18.21	-22.27	-15.74	340.24	-977.14	274.66	-911.56	286.52
11	19	10	14.27	-3.80	4.59	5.88	9.01	-7.88	-393.29	-8.41	-392.75	-14.41
11	19	118	17.45	3.77	10.66	10.55	6.84	237.69	-341.33	234.34	-337.97	-43.97
11	19	119	1.87	-2.20	-0.96	0.62	1.87	611.55	-337.82	427.82	-154.08	375.07
11	19	120	-1.46	-37.44	-29.93	-8.97	-14.62	1533.84	-466.78	1386.65	-319.60	522.30
11	19	123	7.08	-8.59	-8.55	7.04	-0.80	750.97	-583.04	743.97	-576.04	96.40
11	19	124	-5.44	-48.41	-10.74	-43.11	-14.14	-81.17	-2198.75	-122.04	-2157.89	291.32
11	19	132	5.52	0.11	4.07	1.56	2.40	803.75	-302.12	371.64	129.98	539.57
11	19	135	14.43	3.06	7.42	10.07	5.53	-130.58	-341.44	-179.37	-292.65	-88.92
11	19	154	4.97	-4.30	4.92	-4.25	-0.69	104.98	-59.00	-16.71	62.68	-71.74
11	19	155	-2.22	-6.19	-4.58	-3.83	1.95	-26.31	-100.64	-62.94	-64.01	37.16
11	19	156	2.62	-2.93	-2.74	2.43	-1.02	129.28	-56.25	128.88	-55.84	8.68
11	20	3	-7.10	-69.50	-34.49	-42.11	-30.96	-207.91	-857.53	-210.44	-855.00	-40.42
11	20	10	22.67	-6.66	7.00	9.01	14.63	54.01	-139.06	-51.34	-33.71	96.13
11	20	118	28.28	5.82	16.03	18.07	11.18	318.25	-108.91	181.41	27.93	199.31
11	20	119	0.13	-3.66	-2.51	-1.03	1.74	255.14	-131.30	102.33	21.51	188.95
11	20	120	-3.59	-74.60	-59.18	-19.01	-29.27	29.49	-436.78	29.35	-436.64	8.07
11	20	123	11.75	-17.79	-17.50	11.45	-2.92	70.98	-87.44	22.21	-38.66	73.13
11	20	124	-7.80	-88.21	-18.08	-77.93	-26.85	-217.63	-1286.29	-218.73	-1285.18	34.35
11	20	132	7.74	5.81e-02	6.82	0.98	2.49	451.83	-62.49	111.93	277.41	243.48
11	20	135	22.18	4.99	11.92	15.25	8.43	-33.69	-163.83	-118.02	-79.51	-62.16
11	20	154	8.38	-7.30	8.30	-7.22	-1.10	8.65	-160.72	8.47	-160.55	-5.42
11	20	155	-3.39	-9.50	-7.00	-5.89	3.01	20.92	-168.74	-134.36	-13.47	73.07
11	20	156	4.24	-4.49	-4.21	3.95	-1.55	114.80	66.28	99.36	81.73	22.60
11	21	3	63.93	5.63	32.37	37.20	29.05	445.72	154.94	167.40	433.26	-58.87
11	21	10	5.83	-17.92	-5.19	-6.90	-11.85	101.26	-215.58	9.83	-124.15	-
143.56												
11	21	118	-4.68	-24.45	-13.29	-15.84	-9.81	125.53	-465.84	-181.04	-159.27	-
295.48												
11	21	119	3.67	2.17	3.59	2.25	-0.34	118.89	-178.97	4.20	-64.28	-
144.94												
11	21	120	72.63	2.14	57.50	17.27	28.94	325.30	214.42	224.39	315.33	-31.72
11	21	123	18.59	-11.32	18.14	-10.87	3.65	202.30	-170.17	142.50	-110.36	-
136.74												
11	21	124	74.86	6.48	14.64	66.70	22.17	85.32	-45.57	50.06	-10.30	-58.07
11	21	132	1.18	-4.93	-4.72	0.96	-1.12	30.33	-289.25	-1.45	-257.47	-95.63
11	21	135	-3.77	-15.70	-8.55	-10.92	-5.84	57.44	7.19	51.56	13.07	16.15
11	21	154	7.01	-7.54	-7.49	6.96	0.88	240.04	-54.11	-52.54	238.47	-21.42
11	21	155	7.58	2.66	5.47	4.77	-2.43	128.53	-71.69	107.65	-50.80	-61.20
11	21	156	3.44	-3.30	3.29	-3.15	1.00	-37.74	-167.86	-49.65	-155.95	-37.53
11	22	3	30.57	2.87	16.08	17.35	13.83	644.51	-472.39	-317.70	489.82	-
385.81												
11	22	10	2.97	-9.52	-2.77	-3.78	-6.23	238.90	-37.10	-33.10	234.89	-33.02
11	22	118	-2.66	-13.59	-7.92	-8.32	-5.46	212.73	-240.06	-233.96	206.63	-52.20
11	22	119	2.18	0.46	2.04	0.60	-0.47	290.47	-500.44	-321.29	111.31	-
331.06												
11	22	120	35.48	6.44e-03	28.25	7.24	14.29	393.55	-1328.17	-1132.91	198.29	-
545.95												
11	22	123	9.33	-6.60	9.19	-6.45	1.53	451.85	-604.09	-579.26	427.02	-
160.01												
11	22	124	35.10	4.08	7.30	31.88	9.46	960.91	-145.15	-46.64	862.40	-
315.04												
11	22	132	0.77	-2.35	-1.97	0.39	-1.02	213.34	-584.55	-261.17	-110.04	-
391.72												
11	22	135	-1.83	-7.96	-4.04	-5.75	-2.94	240.63	98.49	112.91	226.22	42.91
11	22	154	4.01	-4.13	-4.10	3.98	0.47	43.63	-55.76	-27.36	15.24	44.90
11	22	155	4.26	1.49	3.05	2.71	-1.38	49.17	-13.20	36.23	-0.27	-25.29
11	22	156	1.89	-1.69	1.82	-1.62	0.48	-10.28	-87.27	-79.17	-18.38	-23.61
11	23	3	-4.48	-37.66	-18.97	-23.18	-16.45	334.24	-987.17	270.38	-923.31	283.38
11	23	10	14.68	-3.94	4.70	6.04	9.29	-9.56	-389.55	-9.94	-389.17	-11.98
11	23	118	18.00	3.86	10.93	10.93	7.07	237.64	-338.69	234.75	-335.81	-40.68
11	23	119	1.81	-2.28	-1.05	0.58	1.87	614.35	-340.24	428.00	-153.88	378.37
11	23	120	-1.53	-39.28	-31.38	-9.43	-15.36	1509.71	-453.19	1366.84	-310.31	509.93

11	23	123	7.33	-9.07	-9.02	7.29	-0.88	746.51	-575.78	739.41	-568.69	96.60
11	23	124	-5.56	-50.14	-11.08	-44.62	-14.67	-78.06	-2207.52	-119.56	-2166.02	294.38
11	23	132	5.53	-8.45e-02	4.19	1.25	2.39	845.14	-248.70	372.44	224.00	541.86
11	23	135	14.80	3.17	7.64	10.33	5.66	-129.64	-335.63	-179.53	-285.75	-88.25
11	23	154	5.14	-4.46	5.09	-4.41	-0.71	102.69	-58.12	-15.89	60.46	-70.77
11	23	155	-2.27	-6.35	-4.69	-3.93	2.00	-25.69	-102.09	-63.98	-63.80	38.20
11	23	156	2.70	-3.00	-2.80	2.50	-1.05	128.30	-54.17	127.87	-53.75	8.75
11	24	3	-6.98	-67.95	-33.73	-41.21	-30.26	-203.99	-845.43	-206.16	-843.25	-37.28
11	24	10	22.26	-6.52	6.89	8.85	14.36	50.36	-137.47	-49.82	-37.29	93.71
11	24	118	27.72	5.73	15.76	17.69	10.95	314.21	-107.45	181.00	25.76	196.02
11	24	119	0.18	-3.58	-2.41	-0.99	1.74	251.72	-128.26	102.15	21.31	185.64
11	24	120	-3.53	-72.76	-57.73	-18.55	-28.54	50.00	-446.76	49.16	-445.92	20.43
11	24	123	11.49	-17.31	-17.03	11.20	-2.83	71.88	-91.13	26.77	-46.01	72.93
11	24	124	-7.67	-86.48	-17.74	-76.41	-26.31	-220.28	-1277.98	-221.21	-1277.05	31.30
11	24	132	7.68	0.31	6.70	1.29	2.50	391.15	-96.63	111.13	183.40	241.20
11	24	135	21.81	4.88	11.70	14.99	8.30	-37.37	-166.91	-117.86	-86.42	-62.83
11	24	154	8.21	-7.14	8.13	-7.06	-1.08	7.90	-158.57	7.66	-158.32	-6.40
11	24	155	-3.33	-9.34	-6.88	-5.79	2.96	20.14	-167.13	-133.32	-13.67	72.03
11	24	156	4.16	-4.42	-4.14	3.88	-1.52	114.80	65.20	100.36	79.65	22.53
11	25	3	62.39	5.51	31.61	36.29	28.34	435.62	149.01	163.12	421.51	-62.01
11	25	10	5.69	-17.51	-5.08	-6.75	-11.57	99.02	-211.28	8.31	-120.57	-141.14
11	25	118	-4.59	-23.90	-13.02	-15.46	-9.58	123.56	-461.30	-180.63	-157.11	-292.19
11	25	119	3.58	2.13	3.50	2.21	-0.34	115.86	-175.56	4.38	-64.08	-141.63
11	25	120	70.79	2.07	56.05	16.81	28.21	339.06	190.13	204.58	324.61	-44.08
11	25	123	18.11	-11.06	17.67	-10.62	3.56	199.56	-164.63	137.94	-103.01	-136.54
11	25	124	73.14	6.35	14.30	65.19	21.63	82.51	-48.41	52.53	-18.43	-55.01
11	25	132	0.89	-4.83	-4.60	0.66	-1.13	41.80	-205.91	-0.65	-163.46	-93.35
11	25	135	-3.66	-15.32	-8.32	-10.67	-5.71	58.71	12.67	51.40	19.98	16.82
11	25	154	6.85	-7.37	-7.31	6.80	0.86	237.68	-53.17	-51.73	236.24	-20.44
11	25	155	7.42	2.60	5.35	4.67	-2.38	126.99	-70.98	106.61	-50.60	-60.16
11	25	156	3.38	-3.22	3.23	-3.07	0.98	-38.49	-166.03	-50.65	-153.86	-37.46
11	26	3	32.11	2.99	16.84	18.26	14.54	653.08	-464.93	-313.42	501.57	-382.67
11	26	10	3.11	-9.94	-2.89	-3.94	-6.50	236.00	-36.27	-31.57	231.31	-35.44
11	26	118	-2.75	-14.14	-8.19	-8.70	-5.69	211.37	-241.28	-234.38	204.47	-55.49
11	26	119	2.27	0.50	2.14	0.64	-0.47	293.04	-503.40	-321.47	111.11	-334.36
11	26	120	37.32	7.04e-02	29.70	7.69	15.03	379.73	-1303.82	-1113.10	189.01	-533.58
11	26	123	9.81	-6.86	9.65	-6.70	1.61	444.84	-599.88	-574.70	419.67	-160.21
11	26	124	36.82	4.21	7.64	33.40	10.00	969.84	-148.42	-49.11	870.53	-318.10
11	26	132	1.02	-2.42	-2.09	0.69	-1.01	162.06	-628.08	-261.97	-204.05	-394.01
11	26	135	-1.95	-8.33	-4.26	-6.01	-3.07	234.06	98.32	113.06	219.31	42.24
11	26	154	4.17	-4.30	-4.27	4.14	0.49	44.15	-54.86	-28.18	17.47	43.93
11	26	155	4.42	1.54	3.16	2.81	-1.43	50.80	-13.99	37.27	-0.47	-26.33
11	26	156	1.95	-1.76	1.88	-1.70	0.50	-11.99	-86.65	-78.17	-20.46	-23.68
11	27	3	38.41	2.38	18.76	22.03	17.94	1001.36	-702.68	802.37	-503.70	547.25
11	27	10	2.96	-6.92	-1.68	-2.28	-4.93	93.08	-763.18	49.11	-719.22	-188.98
11	27	118	-1.31	-10.27	-4.02	-7.56	-4.12	322.99	-870.98	153.49	-701.48	-416.71
11	27	119	4.11	1.50	2.48	3.13	1.26	809.27	-476.54	661.75	-329.03	409.77
11	27	120	45.11	2.29	35.32	12.08	17.99	2866.18	-262.60	2562.79	40.79	925.85
11	27	123	12.05	-5.10	11.41	-4.45	3.27	1377.73	-1039.84	1377.02	-1039.14	41.33
11	27	124	41.78	1.52	6.82	36.48	13.60	136.60	-2510.91	50.86	-2425.17	468.67
11	27	132	2.28	-2.49	-2.25	2.04	1.05	938.64	-572.70	545.90	-179.96	662.82
11	27	135	-1.58	-5.33	-3.51	-3.40	-1.88	-145.94	-460.29	-170.76	-435.47	-84.77
11	27	154	3.21	-3.43	-3.42	3.19	0.35	420.64	-94.96	-58.95	384.63	-131.40
11	27	155	2.54	0.87	1.80	1.62	-0.83	87.45	-124.59	79.89	-117.03	-39.32
11	27	156	1.15	-1.36	1.11	-1.33	0.31	104.55	-254.18	103.03	-252.66	-23.27
11	28	3	-6.75	-72.88	-35.51	-44.12	-32.78	32.35	-1162.12	-814.60	-315.17	-542.52
11	28	10	21.08	-6.58	6.37	8.13	13.81	529.28	-145.66	-93.97	477.60	179.48
11	28	118	26.19	5.17	13.87	17.50	10.36	725.77	-230.50	-22.92	518.19	394.23

11	28	119	-1.69	-3.36	-2.68	-2.36	0.82	316.29	-483.21	-423.21	256.29	-210.63
11	28	120	-4.77	-78.76	-62.18	-21.36	-30.86	-27.99	-2282.91	-1961.56	-349.34	-788.26
11	28	123	10.77	-18.92	-18.43	10.28	-3.80	752.86	-1029.57	-1028.84	752.13	-36.24
11	28	124	-6.34	-90.88	-17.64	-79.58	-28.77	647.56	-435.18	-271.47	483.84	-387.89
11	28	132	7.18	-0.16	6.91	0.11	1.38	448.29	-456.63	-319.83	311.49	-324.15
11	28	135	20.56	4.80	11.52	13.84	7.79	275.10	33.65	33.74	275.01	4.45
11	28	154	7.95	-6.79	7.87	-6.72	-1.03	44.86	-379.36	24.98	-359.48	89.66
11	28	155	-3.03	-8.50	-6.27	-5.25	2.69	78.70	-185.44	-158.16	51.43	80.38
11	28	156	4.02	-4.05	-3.79	3.76	-1.44	208.53	2.01	4.63	205.91	23.13
11	29	3	67.31	5.29	33.39	39.21	30.87	956.38	-291.40	771.56	-106.58	443.23
11	29	10	5.75	-16.33	-4.56	-6.02	-11.02	120.57	-703.56	52.46	-635.46	-226.91
11	29	118	-3.98	-22.41	-11.12	-15.27	-8.98	281.57	-907.82	23.29	-649.53	-490.40
11	29	119	4.27	3.08	3.77	3.58	0.59	601.72	-371.04	529.74	-299.06	254.64
11	29	120	76.80	3.32	60.50	19.62	30.52	2475.43	-32.10	2215.30	228.03	764.61
11	29	123	19.76	-10.39	19.06	-9.69	4.53	1193.90	-901.51	1193.54	-901.15	-27.37
11	29	124	77.53	5.03	14.20	68.36	24.09	170.80	-1847.34	102.79	-1779.33	364.18
11	29	132	1.83	-4.80	-4.80	1.83	-6.25e-03	663.57	-524.80	430.31	-291.55	472.00
11	29	135	-3.58	-14.08	-8.14	-9.52	-5.20	-90.07	-351.58	-100.20	-341.45	-50.46
11	29	154	6.50	-7.10	-7.06	6.45	0.81	462.92	-94.56	-69.05	437.40	-116.50
11	29	155	6.57	2.30	4.74	4.13	-2.11	149.17	-133.42	131.45	-115.70	-68.51
11	29	156	3.01	-3.08	2.87	-2.95	0.90	49.46	-284.52	45.07	-280.12	-38.06
11	30	3	-3.83	-44.00	-20.88	-26.95	-19.86	413.89	-1177.35	-845.41	81.95	-646.54
11	30	10	11.67	-3.79	3.49	4.38	7.72	590.76	-120.03	-90.62	561.36	141.55
11	30	118	13.97	2.58	6.76	9.79	5.49	691.75	-274.73	-153.12	570.13	320.54
11	30	119	-1.36	-1.95	-1.39	-1.91	0.14	423.02	-691.98	-555.23	286.26	-365.76
11	30	120	-3.73	-47.08	-37.00	-13.82	-18.32	197.57	-2668.72	-2309.05	-162.10	-949.50
11	30	123	5.43	-11.17	-10.77	5.03	-2.54	895.34	-1217.54	-1212.32	890.11	-104.94
11	30	124	-2.81	-55.15	-10.25	-47.71	-18.28	1290.27	-380.12	-219.54	1129.68	-492.39
11	30	132	4.37	-0.12	4.35	-9.28e-02	0.32	487.30	-722.82	-435.42	199.90	-514.97
11	30	135	11.79	2.82	6.89	7.72	4.47	374.59	98.74	104.30	369.03	38.76
11	30	154	4.28	-3.50	4.23	-3.45	-0.57	45.89	-337.72	14.88	-306.71	104.56
11	30	155	-1.60	-4.47	-3.33	-2.74	1.40	67.79	-121.62	-106.60	52.76	51.19
11	30	156	2.30	-2.20	-2.03	2.13	-0.85	178.74	-53.63	-53.33	178.44	8.35
11	31	3	37.86	2.33	18.49	21.70	17.69	1001.47	-705.27	803.06	-506.86	547.05
11	31	10	2.91	-6.80	-1.65	-2.23	-4.84	91.97	-761.55	48.05	-717.63	-188.57
11	31	118	-1.31	-10.13	-3.98	-7.45	-4.05	319.86	-871.47	150.70	-702.31	-415.83
11	31	119	4.08	1.48	2.44	3.11	1.26	807.54	-475.76	659.29	-327.51	410.21
11	31	120	44.45	2.26	34.79	11.91	17.72	2868.03	-265.47	2563.38	39.17	928.33
11	31	123	11.88	-5.03	11.23	-4.39	3.24	1376.23	-1040.72	1375.51	-1039.99	41.95
11	31	124	41.16	1.49	6.70	35.95	13.40	136.83	-2510.21	51.01	-2424.39	468.83
11	31	132	2.27	-2.45	-2.21	2.02	1.05	937.78	-571.35	544.07	-177.63	662.69
11	31	135	-1.53	-5.21	-3.43	-3.31	-1.83	-146.01	-458.43	-170.12	-434.32	-83.37
11	31	154	3.16	-3.39	-3.37	3.14	0.35	420.72	-94.70	-58.62	384.65	-131.50
11	31	155	2.49	0.86	1.76	1.58	-0.81	87.53	-125.79	80.08	-118.35	-39.16
11	31	156	1.12	-1.34	1.09	-1.30	0.30	102.42	-252.97	100.83	-251.38	-23.73
11	32	3	-6.80	-73.44	-35.78	-44.46	-33.04	30.49	-1162.74	-813.92	-318.33	-542.72
11	32	10	21.20	-6.63	6.40	8.17	13.89	530.89	-146.73	-95.03	479.19	179.89
11	32	118	26.34	5.17	13.91	17.60	10.42	725.24	-233.60	-25.71	517.36	395.11
11	32	119	-1.72	-3.38	-2.72	-2.38	0.81	317.28	-485.14	-425.68	257.81	-210.20
11	32	120	-4.80	-79.43	-62.70	-21.53	-31.12	-31.03	-2280.90	-1960.97	-350.96	-785.78
11	32	123	10.84	-19.10	-18.60	10.34	-3.84	751.98	-1031.07	-1030.36	751.27	-35.62
11	32	124	-6.37	-91.50	-17.75	-80.12	-28.97	648.13	-434.82	-271.32	484.63	-387.73

11	32	132	7.21	-0.17	6.95	9.70e-02	1.38	450.07	-457.92	-321.66	313.81	-324.28
11	32	135	20.69	4.84	11.60	13.93	7.83	276.31	34.24	34.38	276.16	5.84
11	32	154	7.99	-6.84	7.91	-6.77	-1.04	45.13	-379.29	25.31	-359.46	89.56
11	32	155	-3.05	-8.55	-6.31	-5.29	2.70	77.64	-185.50	-157.97	50.11	80.54
11	32	156	4.05	-4.08	-3.81	3.78	-1.45	209.67	-5.02e-02	2.43	207.19	22.67
11	33	3	67.87	5.33	33.66	39.54	31.13	956.41	-288.95	770.88	-103.41	443.43
11	33	10	5.80	-16.45	-4.59	-6.07	-11.10	121.63	-705.16	53.52	-637.05	-227.32
11	33	118	-3.98	-22.56	-11.16	-15.37	-9.05	284.67	-907.29	26.08	-648.70	-491.28
11	33	119	4.31	3.10	3.81	3.60	0.59	603.67	-372.04	532.21	-300.57	254.20
11	33	120	77.46	3.35	61.02	19.79	30.79	2473.56	-29.20	2214.70	229.65	762.13
11	33	123	19.94	-10.46	19.24	-9.76	4.57	1195.44	-900.67	1195.06	-900.29	-27.99
11	33	124	78.14	5.07	14.32	68.89	24.29	170.57	-1848.04	102.64	-1780.11	364.01
11	33	132	1.85	-4.85	-4.85	1.85	-3.55e-03	664.68	-526.41	432.14	-293.87	472.13
11	33	135	-3.62	-14.21	-8.22	-9.61	-5.25	-90.19	-353.25	-100.84	-342.60	-51.85
11	33	154	6.55	-7.14	-7.10	6.50	0.82	462.84	-94.83	-69.38	437.38	-116.40
11	33	155	6.62	2.32	4.78	4.16	-2.13	149.15	-132.28	131.26	-114.39	-68.67
11	33	156	3.03	-3.11	2.90	-2.97	0.91	51.52	-285.65	47.27	-281.41	-37.60
11	34	3	-3.78	-43.44	-20.61	-26.62	-19.60	416.09	-1177.07	-846.10	85.12	-646.34
11	34	10	11.55	-3.74	3.47	4.34	7.63	589.12	-118.91	-89.56	559.77	141.15
11	34	118	13.83	2.57	6.72	9.68	5.43	692.24	-271.60	-150.32	570.97	319.66
11	34	119	-1.32	-1.93	-1.36	-1.89	0.15	422.28	-690.29	-552.76	284.75	-366.20
11	34	120	-3.71	-46.42	-36.47	-13.65	-18.05	200.56	-2670.68	-2309.64	-160.48	-951.98
11	34	123	5.36	-10.99	-10.60	4.97	-2.50	896.26	-1216.09	-1210.80	890.97	-105.56
11	34	124	-2.78	-54.54	-10.14	-47.17	-18.08	1289.64	-380.42	-219.69	1128.90	-492.55
11	34	132	4.33	-0.10	4.31	-8.06e-02	0.32	485.86	-721.87	-433.59	197.58	-514.84
11	34	135	11.66	2.78	6.81	7.63	4.42	373.06	98.47	103.66	367.88	37.36
11	34	154	4.23	-3.45	4.19	-3.41	-0.57	45.64	-337.81	14.56	-306.73	104.66
11	34	155	-1.58	-4.42	-3.29	-2.71	1.39	68.90	-121.61	-106.79	54.07	51.03
11	34	156	2.27	-2.17	-2.01	2.11	-0.84	177.50	-51.47	-51.13	177.16	8.81
11	35	3	33.27	1.97	16.23	19.00	15.59	977.64	-732.38	788.13	-542.86	536.80
11	35	10	2.49	-5.55	-1.30	-1.75	-4.01	85.33	-748.56	44.04	-707.27	-180.91
11	35	118	-1.00	-8.43	-3.13	-6.30	-3.36	317.57	-856.97	154.87	-694.26	-405.74
11	35	119	3.92	1.26	2.17	3.01	1.26	816.96	-482.95	662.36	-328.35	420.79
11	35	120	38.98	2.08	30.48	10.57	15.54	2785.16	-216.67	2496.76	71.74	884.63
11	35	123	10.47	-4.25	9.84	-3.62	2.98	1362.58	-1015.38	1361.83	-1014.64	41.99
11	35	124	36.03	1.10	5.69	31.44	11.80	147.31	-2540.48	59.10	-2452.27	478.86
11	35	132	1.34	-2.18	-1.85	1.01	1.02	1042.82	-360.84	548.56	133.43	670.43
11	35	135	-1.20	-4.10	-2.76	-2.54	-1.45	-145.76	-437.98	-171.29	-412.44	-82.52
11	35	154	2.67	-2.86	-2.84	2.66	0.28	412.26	-91.29	-56.23	377.20	-128.15
11	35	155	2.01	0.69	1.41	1.29	-0.66	82.87	-122.80	76.42	-116.35	-35.85
11	35	156	0.93	-1.11	0.90	-1.08	0.22	101.23	-247.24	99.70	-245.71	-23.04
11	36	3	-6.34	-67.74	-32.98	-41.10	-30.43	54.98	-1131.33	-800.36	-276.00	-532.07
11	36	10	19.71	-6.12	5.99	7.60	12.89	514.35	-137.60	-88.90	465.65	171.41
11	36	118	24.34	4.88	12.98	16.24	9.59	710.80	-224.12	-24.30	510.98	383.26
11	36	119	-1.48	-3.13	-2.38	-2.23	0.82	321.53	-489.73	-423.81	255.61	-221.65
11	36	120	-4.56	-72.63	-57.35	-19.84	-28.40	-73.93	-2201.88	-1895.52	-380.28	-747.03
11	36	123	9.90	-17.32	-16.86	9.44	-3.51	728.41	-1014.43	-1013.65	727.63	-36.90
11	36	124	-5.91	-85.14	-16.52	-74.53	-26.97	676.65	-445.41	-279.71	510.94	-398.08
11	36	132	6.86	0.79	6.51	1.14	1.41	206.27	-530.66	-322.49	-1.89	-331.77
11	36	135	19.32	4.43	10.77	12.98	7.36	252.01	34.24	34.27	251.99	2.20
11	36	154	7.37	-6.26	7.30	-6.19	-0.97	41.25	-371.03	22.26	-352.05	86.41
11	36	155	-2.84	-7.97	-5.88	-4.93	2.52	76.35	-180.30	-154.70	50.75	76.91
11	36	156	3.77	-3.83	-3.58	3.51	-1.36	201.67	5.26	7.97	198.96	22.90
11	37	3	62.16	4.88	30.86	36.18	28.52	931.23	-319.66	757.32	-145.74	432.78

11	37	10	5.28	-14.96	-4.18	-5.50	-10.10	112.46	-688.58	47.39	-623.51	-218.83
11	37	118	-3.69	-20.56	-10.24	-14.01	-8.22	275.19	-892.84	24.67	-642.32	-479.43
11	37	119	4.05	2.87	3.46	3.45	0.59	608.19	-376.23	530.34	-298.38	265.66
11	37	120	70.66	3.11	55.67	18.11	28.07	2394.32	13.92	2149.26	258.98	723.38
11	37	123	18.17	-9.53	17.50	-8.86	4.24	1178.70	-877.00	1178.35	-876.65	-26.71
11	37	124	71.78	4.61	13.08	63.31	22.30	181.53	-1876.93	111.03	-1806.43	374.37
11	37	132	0.81	-4.41	-4.41	0.81	-3.73e-02	749.22	-294.41	432.97	21.84	479.62
11	37	135	-3.21	-12.84	-7.39	-8.66	-4.77	-90.53	-328.62	-100.73	-318.43	-48.20
11	37	154	5.97	-6.53	-6.48	5.92	0.74	454.59	-90.95	-66.33	429.97	-113.25
11	37	155	6.04	2.11	4.35	3.80	-1.94	144.30	-131.33	127.99	-115.02	-65.04
11	37	156	2.78	-2.83	2.66	-2.71	0.82	46.21	-277.66	41.73	-273.18	-37.83
11	38	3	-3.42	-38.86	-18.36	-23.92	-17.50	439.53	-1149.58	-831.17	121.12	-636.09
11	38	10	10.29	-3.32	3.11	3.86	6.80	576.33	-112.47	-85.55	549.41	133.48
11	38	118	12.12	2.29	5.87	8.53	4.73	678.03	-269.61	-154.50	562.92	309.57
11	38	119	-1.06	-1.82	-1.09	-1.79	0.14	429.64	-699.89	-555.83	285.58	-376.78
11	38	120	-3.52	-40.95	-32.16	-12.31	-15.87	151.49	-2587.54	-2243.02	-193.04	-908.28
11	38	123	4.57	-9.57	-9.21	4.20	-2.25	871.00	-1202.52	-1197.13	865.61	-105.60
11	38	124	-2.39	-49.40	-9.13	-42.66	-16.48	1319.98	-390.97	-227.78	1156.78	-502.58
11	38	132	3.99	0.89	3.95	0.93	0.35	271.42	-822.99	-438.08	-113.48	-522.58
11	38	135	10.55	2.45	6.14	6.86	4.04	351.41	99.42	104.83	346.01	36.51
11	38	154	3.70	-2.96	3.66	-2.92	-0.50	42.22	-329.34	12.16	-299.28	101.31
11	38	155	-1.41	-3.94	-2.94	-2.41	1.23	65.58	-116.63	-103.13	52.08	47.72
11	38	156	2.04	-1.97	-1.82	1.89	-0.77	171.79	-50.29	-50.00	171.50	8.11
11	39	3	32.71	1.92	15.96	18.67	15.33	977.77	-734.99	788.81	-546.03	536.60
11	39	10	2.44	-5.42	-1.27	-1.71	-3.93	84.22	-746.93	42.98	-705.68	-180.50
11	39	118	-1.00	-8.28	-3.09	-6.20	-3.29	314.44	-857.46	152.08	-695.10	-404.86
11	39	119	3.89	1.24	2.14	2.99	1.26	815.25	-482.19	659.89	-326.83	421.22
11	39	120	38.31	2.05	29.96	10.40	15.27	2787.00	-219.54	2497.35	70.12	887.11
11	39	123	10.30	-4.18	9.67	-3.55	2.95	1361.08	-1016.26	1360.31	-1015.50	42.61
11	39	124	35.42	1.07	5.58	30.90	11.60	147.54	-2539.77	59.25	-2451.49	479.02
11	39	132	1.33	-2.14	-1.81	1.00	1.02	1042.34	-359.86	546.73	135.75	670.31
11	39	135	-1.15	-3.98	-2.68	-2.45	-1.41	-145.86	-436.09	-170.65	-411.29	-81.12
11	39	154	2.62	-2.82	-2.80	2.61	0.28	412.34	-91.03	-55.91	377.22	-128.25
11	39	155	1.96	0.67	1.37	1.26	-0.64	82.96	-124.01	76.61	-117.66	-35.69
11	39	156	0.90	-1.08	0.88	-1.06	0.22	99.10	-246.03	97.50	-244.43	-23.50
11	40	3	-6.39	-68.29	-33.25	-41.43	-30.68	53.07	-1131.91	-799.67	-279.16	-532.27
11	40	10	19.83	-6.17	6.02	7.65	12.97	515.96	-138.68	-89.96	467.24	171.81
11	40	118	24.48	4.88	13.02	16.35	9.66	710.27	-227.22	-27.09	510.14	384.14
11	40	119	-1.52	-3.15	-2.41	-2.26	0.81	322.48	-491.63	-426.28	257.13	-221.21
11	40	120	-4.59	-73.29	-57.87	-20.01	-28.67	-76.97	-2199.87	-1894.93	-381.90	-744.55
11	40	123	9.97	-17.50	-17.04	9.51	-3.55	727.52	-1015.92	-1015.17	726.77	-36.28
11	40	124	-5.95	-85.75	-16.63	-75.07	-27.17	677.22	-445.05	-279.56	511.72	-397.92
11	40	132	6.90	0.78	6.55	1.12	1.41	207.54	-531.43	-324.32	0.43	-331.89
11	40	135	19.45	4.47	10.85	13.07	7.41	253.20	34.85	34.91	253.14	3.59
11	40	154	7.41	-6.30	7.34	-6.24	-0.97	41.52	-370.96	22.59	-352.03	86.31
11	40	155	-2.86	-8.01	-5.91	-4.96	2.53	75.28	-180.35	-154.50	49.43	77.07
11	40	156	3.79	-3.85	-3.60	3.54	-1.37	202.80	3.21	5.76	200.24	22.44
11	41	3	62.72	4.93	31.13	36.51	28.77	931.22	-317.17	756.63	-142.58	432.98
11	41	10	5.33	-15.08	-4.21	-5.54	-10.18	113.53	-690.18	48.45	-625.10	-219.24
11	41	118	-3.69	-20.70	-10.28	-14.12	-8.28	278.29	-892.31	27.46	-641.49	-480.31
11	41	119	4.08	2.89	3.50	3.48	0.59	610.11	-377.19	532.81	-299.89	265.22
11	41	120	71.33	3.14	56.19	18.28	28.34	2392.45	16.82	2148.67	260.60	720.90
11	41	123	18.35	-9.59	17.67	-8.92	4.28	1180.24	-876.16	1179.87	-875.79	-27.33

11	41	124	72.39	4.64	13.19	63.85	22.50	181.30	-1877.63	110.88	-1807.21	374.20
11	41	132	0.82	-4.45	-4.45	0.82	-3.46e-02	749.91	-295.60	434.80	19.51	479.74
11	41	135	-3.25	-12.97	-7.47	-8.75	-4.82	-90.63	-330.32	-101.37	-319.58	-49.60
11	41	154	6.01	-6.57	-6.52	5.97	0.75	454.52	-91.22	-66.66	429.95	-113.15
11	41	155	6.09	2.13	4.38	3.84	-1.96	144.27	-130.18	127.79	-113.70	-65.20
11	41	156	2.81	-2.85	2.68	-2.73	0.82	48.26	-278.79	43.94	-274.46	-37.37
11	42	3	-3.37	-38.30	-18.08	-23.59	-17.24	441.77	-1149.33	-831.85	124.29	-635.89
11	42	10	10.17	-3.28	3.09	3.81	6.72	574.68	-111.35	-84.49	547.82	133.07
11	42	118	11.97	2.29	5.83	8.43	4.67	678.53	-266.48	-151.70	563.75	308.69
11	42	119	-1.02	-1.80	-1.05	-1.77	0.15	428.92	-698.22	-553.36	284.07	-377.22
11	42	120	-3.49	-40.29	-31.64	-12.14	-15.60	154.47	-2589.50	-2243.61	-191.42	-910.76
11	42	123	4.50	-9.39	-9.03	4.14	-2.21	871.93	-1201.06	-1195.61	866.47	-106.22
11	42	124	-2.35	-48.79	-9.02	-42.13	-16.28	1319.35	-391.28	-227.93	1156.00	-502.74
11	42	132	3.95	0.90	3.91	0.95	0.35	270.44	-822.50	-436.25	-115.80	-522.46
11	42	135	10.43	2.40	6.06	6.77	4.00	349.88	99.17	104.19	344.86	35.11
11	42	154	3.66	-2.91	3.62	-2.87	-0.50	41.97	-329.43	11.84	-299.30	101.41
11	42	155	-1.39	-3.89	-2.90	-2.38	1.22	66.70	-116.63	-103.32	53.39	47.56
11	42	156	2.02	-1.94	-1.79	1.87	-0.76	170.55	-48.13	-47.79	170.21	8.57
11	43	3	-3.48	-27.68	-13.90	-17.26	-11.98	256.16	-802.57	210.37	-756.78	215.38
11	43	10	11.47	-2.97	3.75	4.75	7.20	-8.15	-331.14	-9.07	-330.21	-17.27
11	43	118	13.84	3.07	8.61	8.31	5.38	196.57	-282.63	191.86	-277.92	-47.25
11	43	119	1.83	-1.69	-0.54	0.68	1.65	497.80	-272.64	354.99	-129.83	299.39
11	43	120	-1.24	-28.06	-22.47	-6.83	-10.89	1226.11	-371.78	1117.13	-262.80	402.81
11	43	123	5.48	-6.25	-6.23	5.46	-0.46	611.73	-471.90	607.47	-467.64	67.80
11	43	124	-4.35	-38.08	-8.56	-33.87	-11.15	-84.49	-1869.71	-113.88	-1840.32	227.18
11	43	132	4.64	0.16	3.33	1.47	2.04	658.30	-249.20	309.63	99.47	441.41
11	43	135	11.74	2.42	6.00	8.16	4.53	-104.65	-285.51	-149.80	-240.36	-78.27
11	43	154	3.92	-3.31	3.87	-3.27	-0.56	89.95	-51.02	-18.87	57.80	-59.15
11	43	155	-1.78	-4.97	-3.69	-3.06	1.56	-23.18	-83.72	-53.00	-53.89	30.27
11	43	156	2.10	-2.36	-2.19	1.94	-0.84	112.05	-55.98	111.80	-55.73	6.49
11	44	3	-5.65	-54.07	-26.77	-32.95	-24.01	-170.16	-714.76	-173.62	-711.31	-43.25
11	44	10	18.09	-5.24	5.65	7.21	11.64	25.88	-113.93	-41.86	-46.18	69.87
11	44	118	22.37	4.71	12.84	14.24	8.80	241.06	-80.32	149.44	11.30	145.09
11	44	119	0.44	-2.84	-1.77	-0.63	1.54	211.76	-105.70	97.37	8.69	152.41
11	44	120	-2.93	-57.43	-45.59	-14.77	-22.48	41.90	-353.19	41.85	-353.13	-4.63
11	44	123	9.13	-13.51	-13.31	8.93	-2.14	59.90	-65.83	35.98	-41.91	49.35
11	44	124	-6.21	-69.53	-14.35	-61.39	-21.20	-189.47	-1150.53	-190.08	-1149.92	24.24
11	44	132	6.35	0.19	5.50	1.03	2.12	373.86	-55.16	103.97	214.72	207.24
11	44	135	17.86	3.95	9.57	12.25	6.82	-27.26	-146.06	-101.50	-71.82	-57.52
11	44	154	6.60	-5.67	6.54	-5.61	-0.88	1.27	-118.79	0.90	-118.42	-6.60
11	44	155	-2.70	-7.58	-5.60	-4.69	2.40	13.35	-137.36	-109.43	-14.58	58.56
11	44	156	3.37	-3.59	-3.36	3.14	-1.26	96.58	46.21	89.68	53.11	17.32
11	45	3	48.51	4.18	24.65	28.04	22.10	307.33	112.81	130.58	289.56	-56.04
11	45	10	4.40	-13.34	-3.84	-5.11	-8.85	74.32	-185.65	0.35	-111.68	-117.30
11	45	118	-3.56	-18.55	-10.10	-12.01	-7.43	95.43	-387.14	-149.06	-142.64	-241.26
11	45	119	2.87	1.83	2.85	1.85	-0.13	91.41	-133.71	9.16	-51.46	-108.40
11	45	120	55.47	1.48	43.91	13.03	22.14	243.33	200.39	211.89	231.83	-19.02
11	45	123	14.31	-8.71	13.94	-8.34	2.87	174.10	-152.48	128.73	-107.11	-112.96
11	45	124	56.19	4.88	10.91	50.17	16.52	34.20	-158.36	21.41	-145.56	-47.95
11	45	132	1.04	-3.52	-3.40	0.91	-0.74	22.72	-210.99	6.50	-194.78	-59.39
11	45	135	-2.74	-11.38	-6.19	-7.93	-4.23	38.98	1.44	35.03	5.38	11.51
11	45	154	5.38	-5.76	-5.72	5.34	0.66	198.03	-46.66	-44.97	196.35	-20.24
11	45	155	5.66	1.98	4.07	3.57	-1.82	97.53	-64.50	82.72	-49.69	-46.69
11	45	156	2.54	-2.44	2.44	-2.33	0.71	-29.36	-137.94	-39.98	-127.33	-32.24
11	46	3	22.13	1.99	11.78	12.34	10.07	471.60	-389.97	-253.41	335.03	-314.66
11	46	10	2.14	-6.72	-1.94	-2.65	-4.41	176.70	-36.78	-32.44	172.35	-30.15
11	46	118	-1.96	-9.98	-5.86	-6.08	-4.01	153.52	-198.43	-191.49	146.58	-48.92
11	46	119	1.68	0.49	1.63	0.54	-0.24	224.85	-386.25	-248.46	87.06	-255.38
11	46	120	26.10	-0.22	20.79	5.09	10.56	298.08	-1019.98	-863.39	141.50	-

426.46												
11	46	123	6.98	-5.00	6.86	-4.88	1.19	340.66	-464.81	-442.76	318.62	-
131.41												
11	46	124	24.78	2.99	5.12	22.65	6.47	635.96	-145.92	-54.79	544.83	-
250.90												
11	46	132	0.70	-1.46	-1.23	0.47	-0.67	160.26	-438.93	-199.15	-79.52	-
293.56												
11	46	135	-1.20	-5.27	-2.62	-3.84	-1.94	184.24	73.02	83.34	173.92	32.27
11	46	154	3.02	-3.07	-3.05	3.00	0.34	36.92	-42.00	-25.20	20.12	32.31
11	46	155	3.05	1.05	2.16	1.94	-0.99	33.93	-18.02	26.29	-10.38	-18.40
11	46	156	1.31	-1.17	1.28	-1.13	0.30	-9.72	-70.86	-62.10	-18.48	-21.42
11	47	3	-3.58	-28.91	-14.51	-17.98	-12.54	251.54	-810.71	206.99	-766.17	212.92
11	47	10	11.80	-3.08	3.84	4.87	7.42	-9.38	-328.17	-10.13	-327.43	-15.40
11	47	118	14.28	3.15	8.82	8.61	5.56	196.34	-280.53	192.11	-276.30	-44.71
11	47	119	1.78	-1.75	-0.61	0.65	1.65	500.02	-274.63	355.15	-129.76	302.05
11	47	120	-1.29	-29.52	-23.62	-7.19	-11.48	1207.08	-360.82	1101.45	-255.19	393.00
11	47	123	5.68	-6.62	-6.60	5.66	-0.53	608.22	-466.15	603.90	-461.83	67.97
11	47	124	-4.45	-39.45	-8.83	-35.08	-11.58	-82.04	-1876.73	-111.93	-1846.84	229.67
11	47	132	4.64	2.26e-02	3.43	1.24	2.03	690.14	-206.97	310.27	172.90	443.26
11	47	135	12.04	2.51	6.18	8.37	4.64	-103.79	-281.08	-149.96	-234.91	-77.80
11	47	154	4.05	-3.44	4.01	-3.39	-0.57	88.15	-50.28	-18.25	56.12	-58.37
11	47	155	-1.83	-5.10	-3.78	-3.14	1.60	-22.74	-84.89	-53.81	-53.83	31.08
11	47	156	2.16	-2.41	-2.25	1.99	-0.86	111.43	-54.36	111.17	-54.10	6.52
11	48	3	-5.56	-52.84	-26.17	-32.23	-23.45	-167.13	-705.03	-170.24	-701.92	-40.79
11	48	10	17.76	-5.12	5.56	7.08	11.42	23.23	-113.01	-40.81	-48.97	68.00
11	48	118	21.93	4.64	12.63	13.94	8.62	238.14	-79.27	149.19	9.68	142.55
11	48	119	0.49	-2.78	-1.69	-0.60	1.54	209.07	-103.24	97.21	8.62	149.74
11	48	120	-2.88	-55.97	-44.44	-14.41	-21.89	57.59	-360.80	57.53	-360.74	5.18
11	48	123	8.93	-13.13	-12.93	8.73	-2.07	61.66	-69.84	39.54	-47.73	49.18
11	48	124	-6.11	-68.16	-14.08	-60.18	-20.77	-191.54	-1143.90	-192.04	-1143.40	21.74
11	48	132	6.30	0.37	5.41	1.26	2.12	328.57	-83.96	103.33	141.29	205.39
11	48	135	17.56	3.86	9.39	12.04	6.72	-30.08	-148.53	-101.34	-77.27	-57.99
11	48	154	6.47	-5.55	6.40	-5.48	-0.87	0.75	-117.21	0.29	-116.75	-7.37
11	48	155	-2.66	-7.46	-5.51	-4.61	2.36	12.82	-136.09	-108.63	-14.64	57.75
11	48	156	3.31	-3.54	-3.30	3.08	-1.24	96.89	44.90	90.31	51.49	17.29
11	49	3	47.28	4.08	24.04	27.31	21.54	299.98	107.40	127.21	280.18	-58.50
11	49	10	4.29	-13.02	-3.75	-4.98	-8.63	72.68	-182.27	-0.71	-108.89	-
115.43												
11	49	118	-3.49	-18.11	-9.89	-11.71	-7.25	93.83	-383.67	-148.82	-141.02	-
238.72												
11	49	119	2.80	1.80	2.78	1.82	-0.13	88.97	-131.04	9.32	-51.39	-
105.74												
11	49	120	54.00	1.43	42.76	12.67	21.56	253.85	181.79	196.21	239.43	-28.83
11	49	123	13.93	-8.50	13.57	-8.15	2.80	171.76	-147.89	125.16	-101.30	-
112.79												
11	49	124	54.82	4.78	10.64	48.96	16.09	34.44	-163.16	23.36	-152.08	-45.46
11	49	132	0.82	-3.44	-3.31	0.68	-0.75	29.14	-143.34	7.14	-121.34	-57.54
11	49	135	-2.65	-11.08	-6.01	-7.72	-4.13	39.83	5.88	34.88	10.83	11.98
11	49	154	5.26	-5.62	-5.58	5.22	0.65	196.25	-45.93	-44.35	194.67	-19.47
11	49	155	5.53	1.93	3.98	3.49	-1.78	96.34	-64.05	81.92	-49.63	-45.88
11	49	156	2.49	-2.38	2.39	-2.28	0.69	-29.78	-136.52	-40.61	-125.70	-32.22
11	50	3	23.36	2.09	12.38	13.07	10.63	478.26	-383.87	-250.03	344.42	-
312.21												
11	50	10	2.25	-7.05	-2.02	-2.77	-4.63	174.55	-36.36	-31.38	169.57	-32.03
11	50	118	-2.04	-10.42	-6.08	-6.38	-4.19	152.65	-199.42	-191.73	144.96	-51.46
11	50	119	1.75	0.52	1.70	0.57	-0.24	226.99	-388.62	-248.62	86.99	-
258.04												
11	50	120	27.56	-0.16	21.94	5.46	11.15	286.89	-1000.72	-847.71	133.89	-
416.65												
11	50	123	7.37	-5.20	7.24	-5.08	1.26	335.16	-461.55	-439.20	312.80	-
131.58												
11	50	124	26.15	3.09	5.39	23.85	6.90	643.10	-148.49	-56.75	551.35	-
253.39												
11	50	132	0.90	-1.52	-1.32	0.70	-0.66	119.97	-472.71	-199.79	-152.96	-
295.41												
11	50	135	-1.29	-5.57	-2.80	-4.05	-2.05	179.06	72.92	83.49	168.48	31.80
11	50	154	3.15	-3.21	-3.19	3.13	0.35	37.50	-41.52	-25.82	21.80	31.53
11	50	155	3.17	1.10	2.25	2.02	-1.03	35.18	-18.53	27.10	-10.45	-19.21
11	50	156	1.37	-1.23	1.33	-1.19	0.32	-11.00	-70.59	-61.47	-20.11	-21.45
11	51	3	-3.61	-29.14	-14.62	-18.13	-12.65	256.67	-809.39	211.77	-764.48	214.14
11	51	10	11.79	-3.10	3.82	4.87	7.42	-11.07	-326.19	-11.91	-325.36	-16.17
11	51	118	14.20	3.09	8.71	8.59	5.55	188.34	-283.87	184.03	-279.56	-44.91

11	51	119	1.74	-1.75	-0.64	0.62	1.63	493.31	-271.10	347.86	-125.66	300.04
11	51	120	-1.31	-29.80	-23.83	-7.28	-11.59	1227.68	-378.72	1115.99	-267.04	408.58
11	51	123	5.66	-6.71	-6.68	5.63	-0.55	606.45	-473.59	601.99	-469.13	69.27
11	51	124	-4.44	-39.70	-8.86	-35.28	-11.67	-83.60	-1865.06	-113.09	-1835.57	227.30
11	51	132	4.70	0.17	3.44	1.44	2.03	656.24	-246.53	304.30	105.41	440.29
11	51	135	12.08	2.54	6.21	8.40	4.64	-105.60	-279.24	-147.80	-237.04	-74.47
11	51	154	4.02	-3.43	3.98	-3.39	-0.57	90.34	-50.53	-18.03	57.84	-59.35
11	51	155	-1.83	-5.10	-3.78	-3.15	1.60	-24.19	-85.74	-52.44	-57.49	30.67
11	51	156	2.17	-2.43	-2.26	2.00	-0.87	106.00	-52.62	105.83	-52.45	5.24
11	52	3	-5.78	-55.54	-27.49	-33.82	-24.68	-168.63	-722.60	-172.22	-719.01	-44.48
11	52	10	18.41	-5.36	5.72	7.33	11.86	27.98	-114.00	-44.69	-41.33	70.97
11	52	118	22.74	4.72	12.95	14.51	8.98	237.15	-85.88	141.60	9.66	147.43
11	52	119	0.35	-2.90	-1.86	-0.68	1.52	209.44	-106.33	90.24	12.86	153.07
11	52	120	-3.00	-59.18	-46.96	-15.22	-23.17	40.71	-357.37	40.70	-357.37	1.14
11	52	123	9.31	-13.98	-13.76	9.09	-2.23	56.37	-69.27	30.50	-43.40	50.81
11	52	124	-6.30	-71.15	-14.65	-62.80	-21.72	-188.67	-1145.79	-189.29	-1145.17	24.36
11	52	132	6.43	0.18	5.61	1.00	2.11	374.61	-55.30	98.64	220.66	206.12
11	52	135	18.20	4.07	9.77	12.49	6.93	-28.09	-139.91	-99.49	-68.50	-53.72
11	52	154	6.71	-5.80	6.64	-5.73	-0.89	2.12	-118.77	1.74	-118.39	-6.79
11	52	155	-2.75	-7.71	-5.69	-4.78	2.44	10.86	-137.91	-108.87	-18.18	58.97
11	52	156	3.44	-3.66	-3.42	3.21	-1.28	91.13	48.97	83.70	56.40	16.06
11	53	3	49.97	4.30	25.37	28.91	22.77	313.56	112.89	129.18	297.26	-54.81
11	53	10	4.53	-13.66	-3.90	-5.23	-9.07	75.99	-189.35	3.18	-116.53	-118.40
11	53	118	-3.57	-18.92	-10.21	-12.28	-7.60	102.48	-384.72	-141.23	-141.01	-243.60
11	53	119	2.96	1.89	2.95	1.90	-0.11	95.16	-134.51	16.29	-55.63	-109.06
11	53	120	57.21	1.55	45.28	13.48	22.84	251.88	197.21	213.03	236.06	-24.79
11	53	123	14.77	-8.89	14.40	-8.51	2.96	180.04	-151.46	134.21	-105.63	-114.42
11	53	124	57.81	4.98	11.21	51.57	17.05	33.21	-162.91	20.62	-150.32	-48.08
11	53	132	1.06	-3.62	-3.51	0.94	-0.73	26.76	-215.64	11.83	-200.72	-58.27
11	53	135	-2.85	-11.72	-6.39	-8.17	-4.34	34.84	0.25	33.03	2.07	7.71
11	53	154	5.51	-5.87	-5.83	5.47	0.67	197.96	-47.46	-45.81	196.31	-20.05
11	53	155	5.79	2.03	4.16	3.65	-1.86	97.59	-61.53	82.16	-46.09	-47.09
11	53	156	2.61	-2.51	2.51	-2.40	0.74	-24.91	-139.70	-34.00	-130.61	-30.99
11	54	3	23.60	2.11	12.50	13.21	10.74	476.98	-389.05	-254.80	342.74	-313.43
11	54	10	2.26	-7.04	-2.00	-2.77	-4.63	172.33	-34.44	-29.61	167.50	-31.26
11	54	118	-1.98	-10.35	-5.97	-6.36	-4.18	155.95	-191.39	-183.65	148.22	-51.26
11	54	119	1.77	0.55	1.73	0.60	-0.22	223.82	-382.26	-241.33	82.89	-256.04
11	54	120	27.84	-0.14	22.15	5.54	11.26	305.69	-1022.21	-862.25	145.73	-432.23
11	54	123	7.45	-5.18	7.32	-5.05	1.28	342.74	-459.92	-437.28	320.10	-132.88
11	54	124	26.39	3.09	5.42	24.06	6.99	631.75	-147.26	-55.58	540.08	-251.02
11	54	132	0.72	-1.55	-1.33	0.50	-0.66	157.77	-437.06	-193.82	-85.46	-292.44
11	54	135	-1.31	-5.61	-2.83	-4.08	-2.05	178.91	73.03	81.34	170.61	28.47
11	54	154	3.14	-3.18	-3.16	3.13	0.35	36.88	-42.83	-26.04	20.08	32.51
11	54	155	3.18	1.10	2.25	2.03	-1.03	34.33	-15.38	25.73	-6.78	-18.80
11	54	156	1.38	-1.23	1.34	-1.19	0.32	-12.46	-65.44	-56.13	-21.77	-20.17
11	55	3	-3.70	-30.37	-15.23	-18.85	-13.21	252.07	-817.54	208.39	-773.87	211.69
11	55	10	12.11	-3.21	3.91	5.00	7.64	-12.30	-323.23	-12.96	-322.57	-14.30
11	55	118	14.64	3.17	8.92	8.88	5.74	188.12	-281.79	184.27	-277.94	-42.37
11	55	119	1.70	-1.81	-0.71	0.59	1.63	495.55	-273.11	348.02	-125.58	302.71
11	55	120	-1.36	-31.26	-24.99	-7.64	-12.18	1208.63	-367.75	1100.31	-259.43	398.77
11	55	123	5.86	-7.09	-7.06	5.83	-0.62	602.94	-467.83	598.42	-463.31	69.43
11	55	124	-4.54	-41.07	-9.12	-36.49	-12.10	-81.15	-1872.07	-111.14	-1842.08	229.80
11	55	132	4.70	3.55e-02	3.53	1.21	2.02	688.50	-204.72	304.94	178.84	442.14
11	55	135	12.38	2.63	6.39	8.61	4.75	-104.77	-274.78	-147.95	-231.59	-74.00
11	55	154	4.16	-3.56	4.11	-3.52	-0.58	88.54	-49.79	-17.42	56.16	-58.57
11	55	155	-1.87	-5.23	-3.88	-3.23	1.65	-23.78	-86.88	-53.24	-57.43	31.48
11	55	156	2.23	-2.48	-2.31	2.06	-0.89	105.37	-51.00	105.20	-50.82	5.27
11	56	3	-5.68	-54.31	-26.89	-33.10	-24.12	-165.60	-712.87	-168.84	-709.62	-42.03
11	56	10	18.08	-5.25	5.63	7.20	11.64	25.23	-112.98	-43.64	-44.11	69.10
11	56	118	22.30	4.65	12.74	14.21	8.80	234.18	-84.79	141.36	8.04	144.89
11	56	119	0.40	-2.84	-1.79	-0.65	1.52	206.73	-103.85	90.08	12.79	150.40
11	56	120	-2.95	-57.71	-45.80	-14.86	-22.59	56.67	-365.26	56.38	-364.97	10.95

11	56	123	9.11	-13.59	-13.39	8.90	-2.16	57.99	-73.14	34.06	-49.21	50.65
11	56	124	-6.20	-69.77	-14.38	-61.59	-21.29	-190.74	-1139.15	-191.25	-1138.65	21.86
11	56	132	6.38	0.36	5.51	1.23	2.11	328.36	-83.13	98.00	147.23	204.27
11	56	135	17.90	3.98	9.59	12.28	6.83	-30.99	-142.30	-99.34	-73.95	-54.19
11	56	154	6.57	-5.67	6.51	-5.61	-0.88	1.61	-117.20	1.12	-116.71	-7.57
11	56	155	-2.71	-7.59	-5.60	-4.70	2.40	10.32	-136.63	-108.06	-18.24	58.16
11	56	156	3.38	-3.61	-3.37	3.15	-1.26	91.36	47.75	84.33	54.77	16.03
11	57	3	48.74	4.20	24.76	28.18	22.20	306.07	107.62	125.81	287.88	-57.26
11	57	10	4.41	-13.33	-3.81	-5.10	-8.85	74.33	-185.95	2.13	-113.75	-
116.53												
11	57	118	-3.50	-18.48	-9.99	-11.98	-7.42	100.87	-381.24	-140.98	-139.39	-
241.06												
11	57	119	2.89	1.86	2.88	1.87	-0.11	92.76	-131.88	16.45	-55.56	-
106.39												
11	57	120	55.74	1.50	44.12	13.12	22.26	262.15	178.88	197.36	243.67	-34.60
11	57	123	14.39	-8.68	14.02	-8.32	2.89	177.69	-146.86	130.64	-99.81	-
114.26												
11	57	124	56.43	4.87	10.94	50.37	16.62	33.49	-167.75	22.57	-156.84	-45.58
11	57	132	0.84	-3.54	-3.41	0.71	-0.74	32.40	-147.22	12.47	-127.28	-56.42
11	57	135	-2.76	-11.42	-6.21	-7.96	-4.24	35.29	5.10	32.88	7.51	8.18
11	57	154	5.38	-5.73	-5.69	5.34	0.66	196.17	-46.73	-45.19	194.63	-19.27
11	57	155	5.66	1.98	4.07	3.57	-1.82	96.40	-61.07	81.35	-46.03	-46.28
11	57	156	2.56	-2.45	2.45	-2.34	0.72	-25.38	-138.24	-34.63	-128.99	-30.96
11	58	3	24.83	2.21	13.10	13.94	11.30	483.68	-382.98	-251.43	352.12	-
310.98												
11	58	10	2.37	-7.36	-2.09	-2.89	-4.85	170.23	-34.07	-28.55	164.71	-33.13
11	58	118	-2.05	-10.78	-6.18	-6.65	-4.36	155.13	-192.44	-183.90	146.59	-53.80
11	58	119	1.84	0.58	1.80	0.63	-0.22	225.98	-384.66	-241.49	82.82	-
258.70												
11	58	120	29.30	-9.24e-02	23.31	5.90	11.84	294.50	-1002.95	-846.57	138.13	-
422.42												
11	58	123	7.83	-5.38	7.69	-5.24	1.35	337.25	-456.67	-433.71	314.29	-
133.04												
11	58	124	27.76	3.19	5.69	25.26	7.42	638.88	-149.82	-57.54	546.60	-
253.52												
11	58	132	0.92	-1.61	-1.43	0.74	-0.65	118.15	-471.51	-194.46	-158.90	-
294.29												
11	58	135	-1.40	-5.90	-3.01	-4.29	-2.16	173.66	72.99	81.49	165.16	28.00
11	58	154	3.27	-3.32	-3.30	3.25	0.36	37.47	-42.36	-26.65	21.76	31.73
11	58	155	3.30	1.15	2.34	2.10	-1.07	35.59	-15.91	26.53	-6.85	-19.61
11	58	156	1.44	-1.30	1.39	-1.25	0.34	-13.65	-65.24	-55.50	-23.40	-20.19
11	59	3	29.79	1.72	14.61	16.90	13.98	776.46	-589.64	630.43	-443.61	422.11
11	59	10	2.25	-4.94	-1.12	-1.57	-3.59	68.72	-621.34	32.47	-585.09	-
153.95												
11	59	118	-0.90	-7.70	-2.89	-5.71	-3.09	261.09	-707.06	122.04	-568.01	-
339.55												
11	59	119	3.53	1.16	2.08	2.61	1.15	652.04	-381.54	534.50	-264.00	328.13
11	59	120	35.46	1.67	27.75	9.38	14.18	2289.49	-218.99	2054.80	15.71	730.52
11	59	123	9.64	-3.95	9.09	-3.41	2.67	1107.00	-838.49	1106.65	-838.14	26.07
11	59	124	31.61	1.05	5.02	27.65	10.26	85.58	-2115.83	22.37	-2052.62	367.65
11	59	132	2.05	-1.83	-1.56	1.78	0.98	765.45	-459.96	443.47	-137.98	539.34
11	59	135	-1.12	-3.54	-2.42	-2.24	-1.21	-119.64	-372.81	-141.47	-350.98	-71.07
11	59	154	2.49	-2.61	-2.59	2.48	0.25	341.00	-80.19	-51.07	311.88	-
106.84												
11	59	155	1.80	0.61	1.25	1.16	-0.59	65.70	-103.66	60.33	-98.29	-29.68
11	59	156	0.80	-0.98	0.78	-0.96	0.18	85.82	-209.10	84.50	-207.78	-19.69
11	60	3	-5.49	-58.21	-28.29	-35.41	-26.12	4.11	-945.68	-649.53	-292.04	-
439.97												
11	60	10	17.13	-5.30	5.21	6.62	11.19	400.71	-115.84	-76.81	361.67	136.53
11	60	118	21.07	4.21	11.24	14.04	8.31	554.55	-177.85	-19.38	396.08	301.58
11	60	119	-1.08	-2.67	-2.01	-1.74	0.79	243.81	-370.30	-324.22	197.73	-
161.79												
11	60	120	-3.94	-62.48	-49.34	-17.08	-24.43	-23.79	-1791.09	-1529.49	-285.40	-
627.62												
11	60	123	8.51	-14.88	-14.51	8.14	-2.93	581.87	-799.24	-798.32	580.96	-35.45
11	60	124	-5.13	-73.24	-14.29	-64.08	-23.24	399.76	-382.68	-231.63	248.71	-
308.82												
11	60	132	5.95	5.55e-02	5.68	0.32	1.23	345.29	-341.14	-242.05	246.20	-
241.25												
11	60	135	16.92	3.92	9.45	11.38	6.43	210.84	19.53	19.55	210.82	-1.88
11	60	154	6.35	-5.39	6.29	-5.33	-0.84	30.11	-290.80	14.84	-275.53	68.33
11	60	155	-2.47	-6.91	-5.11	-4.27	2.18	55.55	-150.55	-127.76	32.76	64.64

11	60	156	3.28	-3.32	-3.09	3.05	-1.20	156.88	8.90	10.74	155.04	16.39
11	61	3	52.63	4.03	26.17	30.49	24.21	739.95	-263.17	606.49	-129.71	340.68
11	61	10	4.46	-12.38	-3.40	-4.52	-8.40	90.75	-574.98	35.30	-519.53	-183.96
11	61	118	-3.02	-17.29	-8.50	-11.81	-6.94	228.93	-736.59	19.76	-527.42	-397.75
11	61	119	3.65	2.41	3.10	2.96	0.62	488.82	-298.56	430.75	-240.49	205.79
11	61	120	60.51	2.49	47.66	15.34	24.10	1983.69	-36.37	1783.22	164.10	603.97
11	61	123	15.72	-8.13	15.14	-7.55	3.66	963.50	-730.45	963.03	-729.98	-28.16
11	61	124	59.89	3.83	10.86	52.86	18.56	112.04	-1593.27	62.96	-1544.19	285.11
11	61	132	1.62	-3.58	-3.58	1.62	0.14	548.05	-421.78	352.53	-226.25	389.10
11	61	135	-2.70	-10.44	-6.07	-7.06	-3.84	-76.32	-286.95	-86.01	-277.26	-44.13
11	61	154	5.10	-5.51	-5.47	5.06	0.62	374.35	-79.81	-58.90	353.45	-95.17
11	61	155	4.99	1.74	3.58	3.14	-1.61	114.23	-110.21	101.05	-97.03	-52.76
11	61	156	2.27	-2.34	2.17	-2.24	0.65	42.57	-232.86	38.96	-229.26	-31.32
11	62	3	-3.17	-35.37	-16.73	-21.82	-15.90	300.88	-952.48	-673.46	21.87	-521.40
11	62	10	9.69	-3.09	2.94	3.67	6.38	448.93	-95.68	-73.98	427.23	106.52
11	62	118	11.40	2.17	5.63	7.94	4.47	527.86	-212.85	-121.66	436.66	243.38
11	62	119	-0.87	-1.51	-0.99	-1.39	0.25	328.02	-534.75	-427.97	221.24	-284.12
11	62	120	-3.11	-37.43	-29.42	-11.12	-14.52	153.92	-2091.99	-1801.06	-137.01	-754.17
11	62	123	4.29	-8.75	-8.45	3.99	-1.93	694.04	-946.86	-941.95	689.12	-89.68
11	62	124	-2.34	-44.98	-8.45	-38.87	-14.94	897.80	-331.71	-191.05	757.13	-391.36
11	62	132	3.71	0.11	3.66	0.16	0.40	374.54	-549.61	-332.99	157.93	-391.49
11	62	135	9.99	2.36	5.80	6.56	3.80	287.50	72.05	75.00	284.55	25.06
11	62	154	3.45	-2.78	3.41	-2.74	-0.47	31.15	-258.10	7.01	-233.96	80.00
11	62	155	-1.34	-3.72	-2.78	-2.28	1.17	46.91	-99.93	-87.04	34.02	41.55
11	62	156	1.92	-1.85	-1.70	1.77	-0.73	133.70	-34.93	-34.79	133.56	4.77
11	63	3	29.35	1.69	14.39	16.64	13.78	776.36	-591.43	630.85	-445.92	421.74
11	63	10	2.21	-4.84	-1.10	-1.53	-3.52	67.84	-619.86	31.62	-583.64	-153.62
11	63	118	-0.90	-7.59	-2.86	-5.63	-3.04	258.52	-707.33	119.68	-568.50	-338.84
11	63	119	3.50	1.14	2.05	2.60	1.15	650.41	-380.80	532.36	-262.75	328.33
11	63	120	34.94	1.65	27.34	9.25	13.97	2290.07	-221.18	2054.45	14.44	732.25
11	63	123	9.50	-3.90	8.96	-3.36	2.64	1105.37	-838.95	1105.01	-838.59	26.51
11	63	124	31.12	1.03	4.93	27.22	10.11	85.87	-2114.45	22.61	-2051.19	367.68
11	63	132	2.04	-1.79	-1.53	1.78	0.98	764.44	-458.77	441.87	-136.20	539.00
11	63	135	-1.08	-3.44	-2.36	-2.16	-1.17	-119.64	-371.21	-140.86	-349.99	-69.93
11	63	154	2.45	-2.57	-2.56	2.44	0.25	341.06	-79.98	-50.82	311.89	-106.90
11	63	155	1.76	0.60	1.23	1.13	-0.58	65.79	-104.66	60.50	-99.37	-29.56
11	63	156	0.78	-0.96	0.76	-0.94	0.18	84.09	-208.18	82.70	-206.79	-20.07
11	64	3	-5.53	-58.65	-28.51	-35.67	-26.32	3.00	-946.45	-649.11	-294.35	-440.34
11	64	10	17.23	-5.33	5.23	6.66	11.26	402.17	-116.69	-77.66	363.13	136.86
11	64	118	21.18	4.21	11.27	14.12	8.36	554.23	-180.38	-21.73	395.59	302.28
11	64	119	-1.11	-2.69	-2.04	-1.76	0.78	244.70	-372.08	-326.36	198.98	-161.59
11	64	120	-3.96	-63.00	-49.75	-17.21	-24.64	-26.16	-1790.35	-1529.83	-286.67	-625.88
11	64	123	8.56	-15.02	-14.64	8.19	-2.96	581.40	-800.86	-799.97	580.51	-35.01
11	64	124	-5.16	-73.73	-14.38	-64.50	-23.40	400.93	-382.19	-231.40	250.13	-308.79
11	64	132	5.98	4.93e-02	5.71	0.32	1.23	346.82	-342.49	-243.65	247.98	-241.59
11	64	135	17.02	3.95	9.52	11.46	6.46	211.82	20.15	20.15	211.82	-0.74
11	64	154	6.38	-5.42	6.32	-5.36	-0.84	30.33	-290.76	15.09	-275.51	68.27
11	64	155	-2.48	-6.95	-5.14	-4.29	2.19	54.69	-150.60	-127.59	31.68	64.76
11	64	156	3.30	-3.34	-3.11	3.07	-1.20	157.75	7.22	8.95	156.03	16.01
11	65	3	53.08	4.06	26.39	30.75	24.41	740.15	-261.47	606.07	-127.40	341.05
11	65	10	4.50	-12.48	-3.42	-4.56	-8.47	91.59	-576.43	36.14	-520.99	-184.29
11	65	118	-3.02	-17.40	-8.53	-11.89	-6.99	231.45	-736.27	22.11	-526.93	-398.45
11	65	119	3.68	2.42	3.13	2.98	0.63	490.60	-299.46	432.89	-241.75	205.60
11	65	120	61.03	2.51	48.07	15.48	24.30	1983.09	-34.16	1783.57	165.37	602.24
11	65	123	15.86	-8.18	15.28	-7.60	3.69	965.16	-730.02	964.68	-729.54	-28.60

11	65	124	60.37	3.85	10.95	53.28	18.72	111.75	-1594.65	62.72	-1545.62	285.07
11	65	132	1.63	-3.62	-3.61	1.63	0.15	549.24	-423.15	354.13	-228.04	389.44
11	65	135	-2.73	-10.54	-6.14	-7.14	-3.87	-76.46	-288.41	-86.62	-278.25	-45.27
11	65	154	5.13	-5.54	-5.50	5.10	0.62	374.31	-80.02	-59.15	353.44	-95.11
11	65	155	5.02	1.75	3.61	3.17	-1.62	114.19	-109.26	100.88	-95.95	-52.89
11	65	156	2.29	-2.36	2.19	-2.26	0.66	44.24	-233.73	40.75	-230.24	-30.94
11	66	3	-3.14	-34.93	-16.51	-21.56	-15.70	302.27	-951.98	-673.88	24.18	-
521.03												
11	66	10	9.59	-3.05	2.91	3.63	6.31	447.44	-94.79	-73.13	425.78	106.19
11	66	118	11.29	2.17	5.60	7.86	4.42	528.12	-210.27	-119.31	437.15	242.67
11	66	119	-0.84	-1.50	-0.96	-1.38	0.26	327.32	-533.16	-425.83	219.98	-
284.32												
11	66	120	-3.09	-36.91	-29.01	-10.99	-14.31	156.23	-2092.69	-1800.71	-135.74	-
755.90												
11	66	123	4.23	-8.61	-8.32	3.94	-1.91	694.53	-945.27	-940.30	689.56	-90.12
11	66	124	-2.32	-44.50	-8.36	-38.45	-14.78	896.53	-332.11	-191.28	755.71	-
391.40												
11	66	132	3.68	0.12	3.63	0.17	0.40	373.27	-548.52	-331.39	156.14	-
391.15												
11	66	135	9.89	2.33	5.73	6.48	3.76	286.25	71.70	74.40	283.55	23.92
11	66	154	3.42	-2.74	3.38	-2.71	-0.47	30.95	-258.17	6.75	-233.97	80.06
11	66	155	-1.32	-3.69	-2.76	-2.25	1.15	47.81	-99.92	-87.21	35.10	41.43
11	66	156	1.90	-1.83	-1.68	1.75	-0.72	132.74	-33.16	-33.00	132.58	5.14
11	67	3	25.68	1.40	12.59	14.49	12.11	758.13	-613.85	619.17	-474.90	413.93
11	67	10	1.88	-3.85	-0.82	-1.15	-2.86	63.11	-609.96	28.96	-575.81	-
147.71												
11	67	118	-0.66	-6.25	-2.18	-4.72	-2.49	256.65	-696.39	122.85	-562.60	-
331.07												
11	67	119	3.38	0.97	1.83	2.51	1.15	658.23	-386.96	535.04	-263.77	337.02
11	67	120	30.58	1.50	23.89	8.18	12.23	2225.45	-181.86	2002.53	41.06	697.81
11	67	123	8.38	-3.29	7.84	-2.76	2.43	1095.13	-819.13	1094.76	-818.76	26.62
11	67	124	27.03	0.72	4.12	23.62	8.83	94.07	-2139.53	28.88	-2074.34	375.97
11	67	132	1.36	-1.59	-1.24	1.01	0.95	847.39	-295.00	445.60	106.80	545.50
11	67	135	-0.81	-2.56	-1.82	-1.55	-0.86	-119.36	-355.45	-141.98	-332.82	-69.50
11	67	154	2.07	-2.15	-2.14	2.06	0.20	334.64	-77.35	-49.02	306.30	-
104.26												
11	67	155	1.37	0.46	0.94	0.89	-0.46	62.20	-102.61	57.66	-98.07	-26.98
11	67	156	0.62	-0.78	0.61	-0.77	0.12	83.74	-203.69	82.40	-202.35	-19.60
11	68	3	-5.16	-54.11	-26.28	-32.99	-24.24	21.74	-920.76	-638.28	-260.75	-
431.79												
11	68	10	16.04	-4.92	4.91	6.21	10.46	389.10	-110.01	-73.30	352.39	130.29
11	68	118	19.60	3.98	10.54	13.05	7.71	543.17	-172.70	-20.20	390.67	293.11
11	68	119	-0.92	-2.49	-1.77	-1.64	0.79	248.32	-375.59	-324.76	197.49	-
170.67												
11	68	120	-3.77	-57.60	-45.49	-15.88	-22.48	-60.87	-1727.11	-1477.22	-310.75	-
594.91												
11	68	123	7.83	-13.61	-13.26	7.48	-2.70	562.54	-787.39	-786.43	561.58	-36.00
11	68	124	-4.79	-68.66	-13.40	-60.05	-21.81	422.65	-390.36	-238.14	270.43	-
317.15												
11	68	132	5.71	0.75	5.37	1.10	1.26	154.83	-397.59	-244.18	1.42	-
247.41												
11	68	135	15.93	3.62	8.85	10.69	6.08	192.73	20.00	20.07	192.66	-3.45
11	68	154	5.90	-4.96	5.84	-4.91	-0.78	27.32	-284.49	12.78	-269.94	65.75
11	68	155	-2.32	-6.49	-4.80	-4.00	2.05	53.96	-146.51	-125.09	32.54	61.94
11	68	156	3.07	-3.13	-2.92	2.86	-1.13	151.53	10.92	12.84	149.62	16.29
11	69	3	48.53	3.70	24.16	28.08	22.33	720.64	-286.40	595.24	-161.00	332.50
11	69	10	4.09	-11.29	-3.10	-4.11	-7.68	84.86	-563.32	31.79	-510.25	-
177.72												
11	69	118	-2.79	-15.82	-7.79	-10.82	-6.33	223.77	-725.20	20.58	-522.01	-
389.28												
11	69	119	3.48	2.24	2.85	2.86	0.62	494.05	-303.02	431.29	-240.26	214.68
11	69	120	55.63	2.32	43.81	14.14	22.14	1919.58	0.83	1730.96	189.45	571.26
11	69	123	14.45	-7.45	13.90	-6.90	3.43	951.60	-711.06	951.14	-710.60	-27.61
11	69	124	55.30	3.49	9.96	48.83	17.13	120.52	-1616.97	69.47	-1565.92	293.43
11	69	132	0.85	-3.27	-3.26	0.85	0.12	616.10	-242.91	354.66	18.53	395.26
11	69	135	-2.40	-9.45	-5.47	-6.37	-3.49	-76.61	-269.03	-86.53	-259.10	-42.56
11	69	154	4.67	-5.05	-5.02	4.64	0.56	368.04	-77.02	-56.85	347.87	-92.59
11	69	155	4.56	1.59	3.27	2.88	-1.47	110.47	-108.90	98.38	-96.81	-50.06
11	69	156	2.09	-2.13	2.00	-2.05	0.59	40.55	-227.52	36.86	-223.83	-31.22
11	70	3	-2.85	-31.27	-14.71	-19.41	-14.02	321.03	-930.09	-662.21	53.16	-
513.22												
11	70	10	8.60	-2.71	2.64	3.25	5.65	437.74	-90.26	-70.47	417.95	100.28

11	70	118	9.93	1.94	4.92	6.95	3.87	517.48	-208.70	-122.48	431.25	234.90
11	70	119	-0.65	-1.39	-0.75	-1.29	0.25	333.65	-541.16	-428.51	221.00	-293.01
11	70	120	-2.94	-32.55	-25.57	-9.92	-12.57	116.66	-2027.82	-1748.80	-162.37	-721.46
11	70	123	3.61	-7.48	-7.21	3.34	-1.70	674.81	-935.13	-930.06	669.73	-90.23
11	70	124	-2.00	-40.40	-7.56	-34.84	-13.51	921.60	-340.30	-197.56	778.86	-399.69
11	70	132	3.42	0.86	3.35	0.93	0.42	205.59	-627.56	-335.12	-86.86	-397.65
11	70	135	9.00	2.06	5.20	5.87	3.45	269.23	72.67	75.52	266.39	23.49
11	70	154	2.99	-2.36	2.96	-2.32	-0.42	28.30	-251.73	4.95	-228.38	77.42
11	70	155	-1.19	-3.30	-2.47	-2.01	1.03	45.42	-96.00	-84.37	33.80	38.85
11	70	156	1.71	-1.67	-1.53	1.58	-0.66	128.27	-32.83	-32.70	128.14	4.67
11	71	3	25.24	1.36	12.37	14.23	11.91	758.05	-615.67	619.59	-477.21	413.56
11	71	10	1.84	-3.76	-0.80	-1.11	-2.79	62.24	-608.47	28.11	-574.35	-147.38
11	71	118	-0.66	-6.13	-2.15	-4.64	-2.44	254.07	-696.65	120.50	-563.09	-330.37
11	71	119	3.35	0.95	1.80	2.50	1.15	656.62	-386.24	532.90	-262.52	337.22
11	71	120	30.05	1.48	23.48	8.04	12.02	2226.03	-184.05	2002.19	39.79	699.54
11	71	123	8.24	-3.24	7.71	-2.71	2.41	1093.50	-819.59	1093.12	-819.20	27.05
11	71	124	26.54	0.69	4.03	23.20	8.67	94.35	-2138.15	29.12	-2072.92	376.01
11	71	132	1.36	-1.56	-1.21	1.01	0.95	846.67	-294.09	444.00	108.58	545.16
11	71	135	-0.77	-2.46	-1.76	-1.47	-0.83	-119.39	-353.82	-141.38	-331.83	-68.36
11	71	154	2.03	-2.12	-2.11	2.02	0.19	334.69	-77.15	-48.76	306.31	-104.32
11	71	155	1.34	0.44	0.91	0.87	-0.44	62.30	-103.62	57.83	-99.15	-26.86
11	71	156	0.60	-0.76	0.59	-0.75	0.11	82.01	-202.77	80.61	-201.37	-19.98
11	72	3	-5.20	-54.55	-26.49	-33.25	-24.44	20.59	-921.50	-637.86	-263.06	-432.16
11	72	10	16.14	-4.96	4.93	6.24	10.53	390.56	-110.87	-74.15	353.84	130.62
11	72	118	19.71	3.98	10.57	13.13	7.76	542.85	-175.23	-22.55	390.18	293.81
11	72	119	-0.95	-2.51	-1.79	-1.66	0.78	249.19	-377.34	-326.90	198.74	-170.48
11	72	120	-3.79	-58.12	-45.90	-16.01	-22.69	-63.24	-1726.35	-1477.57	-312.02	-593.18
11	72	123	7.88	-13.75	-13.40	7.53	-2.73	562.07	-789.01	-788.08	561.13	-35.56
11	72	124	-4.82	-69.15	-13.49	-60.48	-21.97	423.82	-389.87	-237.91	271.86	-317.11
11	72	132	5.73	0.75	5.40	1.09	1.25	155.97	-398.56	-245.78	3.20	-247.75
11	72	135	16.03	3.66	8.92	10.77	6.12	193.69	20.64	20.67	193.66	-2.31
11	72	154	5.93	-5.00	5.87	-4.94	-0.79	27.54	-284.44	13.03	-269.93	65.69
11	72	155	-2.33	-6.53	-4.83	-4.03	2.06	53.09	-146.55	-124.92	31.46	62.06
11	72	156	3.09	-3.15	-2.94	2.88	-1.14	152.39	9.25	11.04	150.60	15.92
11	73	3	48.97	3.74	24.37	28.34	22.53	720.80	-284.67	594.82	-158.69	332.87
11	73	10	4.13	-11.39	-3.12	-4.14	-7.74	85.71	-564.77	32.64	-511.70	-178.05
11	73	118	-2.79	-15.93	-7.82	-10.90	-6.39	226.30	-724.89	22.93	-521.52	-389.98
11	73	119	3.51	2.26	2.88	2.88	0.62	495.82	-303.90	433.43	-241.51	214.48
11	73	120	56.15	2.34	44.22	14.27	22.35	1918.99	3.04	1731.31	190.72	569.53
11	73	123	14.59	-7.51	14.03	-6.95	3.46	953.26	-710.63	952.79	-710.15	-28.05
11	73	124	55.79	3.52	10.05	49.25	17.29	120.24	-1618.35	69.23	-1567.34	293.39
11	73	132	0.86	-3.30	-3.29	0.86	0.12	616.98	-243.98	356.26	16.74	395.60
11	73	135	-2.44	-9.55	-5.54	-6.45	-3.53	-76.72	-270.51	-87.13	-260.09	-43.70
11	73	154	4.71	-5.09	-5.05	4.68	0.57	368.00	-77.24	-57.10	347.85	-92.53
11	73	155	4.60	1.60	3.30	2.91	-1.49	110.43	-107.95	98.21	-95.73	-50.19
11	73	156	2.11	-2.15	2.02	-2.07	0.59	42.22	-228.38	38.66	-224.82	-30.84
11	74	3	-2.81	-30.83	-14.50	-19.14	-13.82	322.46	-929.62	-662.63	55.47	-512.85
11	74	10	8.51	-2.67	2.62	3.21	5.58	436.24	-89.37	-69.62	416.49	99.95
11	74	118	9.82	1.94	4.89	6.87	3.81	517.74	-206.12	-120.13	431.74	234.20
11	74	119	-0.62	-1.38	-0.72	-1.28	0.26	332.97	-539.59	-426.37	219.75	-293.21
11	74	120	-2.92	-32.03	-25.16	-9.78	-12.36	118.97	-2028.52	-1748.45	-161.09	-723.19
11	74	123	3.56	-7.34	-7.07	3.29	-1.68	675.31	-933.54	-928.41	670.18	-90.67
11	74	124	-1.98	-39.91	-7.47	-34.42	-13.35	920.33	-340.69	-197.79	777.43	-399.73
11	74	132	3.39	0.86	3.31	0.94	0.42	204.67	-626.83	-333.52	-88.64	-

397.31												
11	74	135	8.90	2.03	5.13	5.79	3.42	267.98	72.33	74.92	265.39	22.35
11	74	154	2.96	-2.32	2.93	-2.29	-0.42	28.10	-251.80	4.70	-228.39	77.48
11	74	155	-1.17	-3.26	-2.44	-1.99	1.02	46.34	-96.00	-84.54	34.88	38.73
11	74	156	1.69	-1.64	-1.51	1.56	-0.66	127.31	-31.07	-30.90	127.15	5.05
11	75	3	-3.00	-23.36	-11.67	-14.69	-10.07	203.63	-695.69	170.33	-662.39	169.80
11	75	10	9.89	-2.53	3.26	4.11	6.19	-9.81	-288.25	-11.03	-287.03	-18.40
11	75	118	11.78	2.64	7.35	7.06	4.57	164.49	-246.87	158.96	-241.34	-47.38
11	75	119	1.73	-1.41	-0.35	0.67	1.49	421.76	-229.87	303.03	-111.14	251.53
11	75	120	-1.15	-23.36	-18.71	-5.80	-9.03	1033.91	-314.68	946.88	-227.65	331.35
11	75	123	4.58	-5.10	-5.09	4.57	-0.32	519.90	-402.68	517.11	-399.90	50.61
11	75	124	-3.71	-32.63	-7.37	-28.97	-9.62	-86.68	-1657.26	-108.98	-1634.95	185.83
11	75	132	4.13	0.19	2.94	1.38	1.81	563.76	-213.99	265.80	83.97	378.10
11	75	135	10.27	2.11	5.26	7.12	3.97	-88.92	-245.64	-129.79	-204.76	-68.81
11	75	154	3.31	-2.76	3.27	-2.72	-0.48	80.74	-45.65	-19.41	54.51	-51.26
11	75	155	-1.53	-4.28	-3.18	-2.63	1.34	-22.01	-74.28	-46.19	-50.11	26.06
11	75	156	1.82	-2.04	-1.89	1.67	-0.74	97.05	-52.57	96.94	-52.45	4.11
11	76	3	-4.80	-45.17	-22.31	-27.66	-20.01	-143.03	-628.84	-147.04	-624.83	-43.96
11	76	10	15.36	-4.40	4.83	6.14	9.86	8.87	-99.34	-38.20	-52.27	53.65
11	76	118	18.83	3.99	10.86	11.96	7.40	189.02	-67.38	123.92	-2.27	111.60
11	76	119	0.58	-2.36	-1.37	-0.41	1.39	183.82	-90.34	90.11	3.37	130.04
11	76	120	-2.55	-47.64	-37.83	-12.36	-18.61	58.29	-302.51	58.21	-302.43	-5.38
11	76	123	7.59	-11.10	-10.94	7.43	-1.71	56.72	-59.98	44.79	-48.05	35.35
11	76	124	-5.24	-58.63	-12.16	-51.71	-17.93	-171.62	-1064.65	-171.98	-1064.28	18.07
11	76	132	5.51	0.24	4.73	1.02	1.87	326.76	-51.63	95.83	179.31	184.53
11	76	135	15.32	3.37	8.20	10.50	5.86	-24.59	-130.70	-89.85	-65.45	-51.63
11	76	154	5.53	-4.71	5.47	-4.66	-0.75	-2.37	-91.86	-3.06	-91.16	-7.83
11	76	155	-2.30	-6.44	-4.76	-3.97	2.03	6.94	-117.34	-92.83	-17.58	49.45
11	76	156	2.87	-3.06	-2.85	2.67	-1.09	82.37	33.70	78.57	37.51	13.07
11	77	3	39.61	3.32	20.19	22.74	18.10	227.82	79.27	104.00	203.09	-55.33
11	77	10	3.56	-10.62	-3.01	-4.04	-7.07	58.83	-167.73	-3.31	-105.59	-
101.07												
11	77	118	-2.85	-15.00	-8.12	-9.73	-6.02	81.48	-334.10	-123.55	-129.07	-
207.77												
11	77	119	2.45	1.63	2.45	1.63	1.02e-02	76.68	-106.40	16.42	-46.14	-86.03
11	77	120	45.67	1.09	36.15	10.62	18.27	207.97	168.69	195.53	181.13	-18.27
11	77	123	11.90	-7.16	11.58	-6.85	2.44	157.77	-138.82	119.92	-100.97	-98.96
11	77	124	45.29	3.92	8.72	40.49	13.25	10.53	-238.43	3.31	-231.20	-41.79
11	77	132	0.99	-2.70	-2.63	0.92	-0.50	22.07	-166.78	14.65	-159.37	-36.68
11	77	135	-2.16	-8.84	-4.82	-6.18	-3.27	24.62	-2.23	23.38	-0.99	5.62
11	77	154	4.42	-4.69	-4.66	4.39	0.53	170.79	-42.71	-41.00	169.09	-19.01
11	77	155	4.51	1.57	3.23	2.85	-1.46	77.49	-58.07	66.12	-46.69	-37.58
11	77	156	2.01	-1.93	1.94	-1.86	0.54	-20.30	-120.29	-28.87	-111.72	-27.99
11	78	3	17.82	1.51	9.55	9.77	8.16	365.70	-338.42	-213.37	240.65	-
269.09												
11	78	10	1.69	-5.14	-1.44	-2.01	-3.41	134.29	-35.59	-30.48	129.17	-29.03
11	78	118	-1.53	-7.92	-4.61	-4.83	-3.19	118.58	-167.18	-158.59	109.99	-48.79
11	78	119	1.45	0.55	1.44	0.55	-8.11e-02	182.12	-310.25	-196.50	68.37	-
207.53												
11	78	120	21.40	-0.31	17.04	4.06	8.70	241.22	-828.01	-693.14	106.35	-
355.00												
11	78	123	5.84	-4.09	5.73	-3.98	1.05	271.77	-373.31	-352.41	250.87	-
114.22												
11	78	124	19.33	2.35	3.93	17.74	4.94	429.27	-149.50	-59.69	339.47	-
209.55												
11	78	132	0.68	-0.96	-0.83	0.56	-0.43	125.05	-344.40	-155.32	-64.03	-
230.25												
11	78	135	-0.88	-3.80	-1.88	-2.80	-1.38	144.71	56.94	63.33	138.32	22.81
11	78	154	2.47	-2.47	-2.45	2.46	0.26	33.65	-34.88	-24.65	23.42	24.42
11	78	155	2.35	0.81	1.65	1.50	-0.77	24.66	-19.35	19.48	-14.16	-14.19
11	78	156	1.00	-0.88	0.98	-0.86	0.20	-11.59	-57.40	-47.24	-21.76	-19.03
11	79	3	-3.08	-24.38	-12.17	-15.29	-10.53	199.90	-702.50	167.54	-670.15	167.78
11	79	10	10.16	-2.62	3.33	4.21	6.38	-10.87	-285.76	-11.91	-284.73	-16.85
11	79	118	12.14	2.70	7.53	7.31	4.72	164.24	-245.06	159.17	-239.99	-45.27
11	79	119	1.69	-1.46	-0.41	0.64	1.49	423.58	-231.49	303.17	-111.07	253.74
11	79	120	-1.19	-24.57	-19.67	-6.10	-9.52	1018.21	-305.67	933.92	-221.38	323.24
11	79	123	4.74	-5.42	-5.40	4.73	-0.37	516.99	-397.92	514.16	-395.09	50.74
11	79	124	-3.79	-33.77	-7.59	-29.96	-9.97	-84.67	-1663.03	-107.37	-1640.34	187.89
11	79	132	4.12	8.27e-02	3.01	1.19	1.80	589.99	-178.94	266.33	144.72	379.62
11	79	135	10.51	2.18	5.40	7.29	4.06	-88.16	-242.02	-129.92	-200.26	-68.42
11	79	154	3.42	-2.87	3.38	-2.83	-0.49	79.23	-45.02	-18.90	53.12	-50.62
11	79	155	-1.57	-4.38	-3.26	-2.69	1.38	-21.67	-75.23	-46.85	-50.05	26.73

11	79	156	1.87	-2.09	-1.94	1.72	-0.76	96.52	-51.22	96.41	-51.11	4.13
11	80	3	-4.72	-44.16	-21.81	-27.06	-19.54	-140.56	-620.77	-144.25	-617.08	-41.93
11	80	10	15.09	-4.31	4.75	6.04	9.68	6.86	-98.75	-37.32	-54.57	52.10
11	80	118	18.46	3.93	10.68	11.72	7.25	186.70	-66.61	123.71	-3.62	109.50
11	80	119	0.62	-2.31	-1.31	-0.39	1.39	181.62	-88.34	89.98	3.31	127.83
11	80	120	-2.50	-46.43	-36.87	-12.06	-18.12	71.18	-308.72	71.16	-308.70	2.73
11	80	123	7.42	-10.79	-10.63	7.27	-1.65	58.84	-63.96	47.73	-52.86	35.22
11	80	124	-5.16	-57.49	-11.94	-50.71	-17.57	-173.31	-1059.19	-173.60	-1058.90	16.02
11	80	132	5.48	0.39	4.65	1.21	1.88	290.31	-76.45	95.30	118.56	183.01
11	80	135	15.08	3.30	8.05	10.33	5.78	-26.88	-132.79	-89.72	-69.95	-52.02
11	80	154	5.42	-4.61	5.36	-4.56	-0.74	-2.75	-90.60	-3.58	-89.77	-8.47
11	80	155	-2.26	-6.33	-4.68	-3.91	2.00	6.48	-116.29	-92.17	-17.64	48.78
11	80	156	2.82	-3.01	-2.81	2.62	-1.07	82.75	32.51	79.10	36.16	13.04
11	81	3	38.59	3.24	19.69	22.15	17.63	222.47	74.07	101.21	195.33	-57.36
11	81	10	3.47	-10.35	-2.94	-3.93	-6.89	57.44	-164.91	-4.19	-103.29	-99.52
11	81	118	-2.79	-14.64	-7.94	-9.48	-5.87	80.15	-331.21	-123.34	-127.72	-205.67
11	81	119	2.39	1.61	2.39	1.61	1.00e-02	74.72	-104.24	16.55	-46.07	-83.83
11	81	120	44.46	1.05	35.19	10.32	17.79	211.47	158.50	182.58	187.40	-26.38
11	81	123	11.58	-7.00	11.27	-6.69	2.38	155.75	-134.94	116.97	-96.17	-98.83
11	81	124	44.15	3.84	8.50	39.49	12.89	11.29	-242.96	4.92	-236.59	-39.73
11	81	132	0.81	-2.63	-2.55	0.73	-0.50	25.17	-108.60	15.18	-98.62	-35.16
11	81	135	-2.08	-8.60	-4.67	-6.01	-3.19	24.94	1.82	23.26	3.51	6.02
11	81	154	4.32	-4.57	-4.54	4.29	0.51	169.30	-42.10	-40.49	167.70	-18.37
11	81	155	4.40	1.53	3.15	2.78	-1.42	76.52	-57.70	65.46	-46.63	-36.91
11	81	156	1.97	-1.88	1.89	-1.81	0.53	-20.67	-119.10	-29.39	-110.38	-27.97
11	82	3	18.83	1.59	10.05	10.37	8.62	371.03	-333.21	-210.58	248.40	-267.06
11	82	10	1.79	-5.41	-1.52	-2.11	-3.59	132.63	-35.37	-29.60	126.87	-30.58
11	82	118	-1.59	-8.28	-4.79	-5.08	-3.34	118.01	-168.16	-158.80	108.65	-50.90
11	82	119	1.51	0.57	1.50	0.58	-8.09e-02	183.90	-312.23	-196.64	68.31	-209.73
11	82	120	22.61	-0.26	17.99	4.36	9.18	232.00	-812.10	-680.18	100.08	-346.89
11	82	123	6.16	-4.26	6.04	-4.14	1.11	267.27	-370.66	-349.46	246.07	-114.35
11	82	124	20.46	2.43	4.15	18.74	5.30	435.06	-151.52	-61.31	344.85	-211.61
11	82	132	0.86	-1.01	-0.91	0.75	-0.43	91.98	-372.61	-155.85	-124.78	-231.77
11	82	135	-0.96	-4.04	-2.02	-2.97	-1.47	140.35	56.93	63.46	133.82	22.42
11	82	154	2.58	-2.58	-2.57	2.56	0.27	34.32	-34.68	-25.16	24.80	23.78
11	82	155	2.46	0.84	1.73	1.57	-0.80	25.67	-19.76	20.14	-14.22	-14.86
11	82	156	1.04	-0.94	1.02	-0.91	0.22	-12.49	-57.32	-46.71	-23.11	-19.06
11	83	3	-3.10	-24.57	-12.27	-15.41	-10.62	204.15	-701.41	171.51	-668.77	168.80
11	83	10	10.15	-2.63	3.31	4.21	6.38	-12.25	-284.16	-13.38	-283.03	-17.50
11	83	118	12.07	2.65	7.44	7.29	4.71	157.62	-247.90	152.46	-242.74	-45.45
11	83	119	1.65	-1.47	-0.43	0.62	1.47	418.03	-228.58	297.15	-107.69	252.09
11	83	120	-1.21	-24.80	-19.85	-6.17	-9.61	1035.20	-320.37	945.99	-231.16	336.11
11	83	123	4.72	-5.48	-5.47	4.70	-0.39	515.58	-404.07	512.65	-401.14	51.82
11	83	124	-3.78	-33.97	-7.62	-30.13	-10.05	-85.95	-1653.47	-108.33	-1631.09	185.95
11	83	132	4.17	0.21	3.02	1.36	1.80	562.07	-211.78	261.40	88.90	377.19
11	83	135	10.55	2.20	5.43	7.32	4.06	-89.73	-240.39	-128.14	-201.98	-65.66
11	83	154	3.40	-2.86	3.36	-2.83	-0.49	81.06	-45.22	-18.72	54.55	-51.43
11	83	155	-1.57	-4.38	-3.26	-2.70	1.38	-22.75	-76.05	-45.71	-53.10	26.39
11	83	156	1.88	-2.10	-1.95	1.72	-0.76	92.04	-49.79	91.97	-49.73	3.06
11	84	3	-4.90	-46.39	-22.91	-28.38	-20.56	-141.73	-635.34	-145.86	-631.21	-44.96
11	84	10	15.63	-4.50	4.88	6.24	10.04	10.28	-99.09	-40.55	-48.27	54.55
11	84	118	19.13	4.00	10.94	12.19	7.54	185.53	-71.79	117.42	-3.68	113.52
11	84	119	0.51	-2.42	-1.45	-0.46	1.38	181.73	-90.69	84.22	6.81	130.59
11	84	120	-2.61	-49.08	-38.96	-12.73	-19.18	57.32	-305.94	57.32	-305.94	-0.61
11	84	123	7.73	-11.49	-11.32	7.57	-1.78	53.35	-62.32	40.32	-49.30	36.57
11	84	124	-5.32	-59.96	-12.41	-52.87	-18.36	-170.96	-1060.79	-171.33	-1060.42	18.20
11	84	132	5.58	0.24	4.82	0.99	1.86	327.23	-51.57	91.42	184.23	183.63
11	84	135	15.60	3.47	8.37	10.70	5.96	-25.30	-125.56	-88.19	-62.66	-48.48
11	84	154	5.62	-4.82	5.56	-4.76	-0.76	-1.66	-91.83	-2.37	-91.12	-8.00
11	84	155	-2.34	-6.54	-4.84	-4.04	2.06	4.92	-117.83	-92.35	-20.56	49.78
11	84	156	2.93	-3.12	-2.91	2.72	-1.11	77.48	36.35	73.60	40.23	12.02
11	85	3	40.82	3.42	20.78	23.46	18.65	232.27	80.02	102.82	209.47	-54.33
11	85	10	3.67	-10.88	-3.07	-4.14	-7.25	60.26	-170.82	-0.96	-109.59	-101.98
11	85	118	-2.85	-15.30	-8.20	-9.96	-6.16	87.40	-332.11	-117.05	-127.67	-

209.69												
11	85	119	2.54	1.68	2.53	1.68	2.72e-02	80.11	-107.39	22.31	-49.58	-86.59
11	85	120	47.12	1.15	37.28	10.99	18.85	214.31	166.75	196.42	184.63	-23.04
11	85	123	12.28	-7.31	11.96	-6.98	2.51	162.64	-137.98	124.39	-99.73	-
100.18												
11	85	124	46.62	4.00	8.97	41.65	13.68	9.83	-242.24	2.66	-235.07	-41.92
11	85	132	1.01	-2.78	-2.72	0.95	-0.49	25.79	-171.02	19.05	-164.29	-35.78
11	85	135	-2.25	-9.12	-4.99	-6.38	-3.37	21.96	-4.01	21.73	-3.77	2.47
11	85	154	4.53	-4.78	-4.75	4.50	0.54	170.71	-43.37	-41.70	169.04	-18.84
11	85	155	4.62	1.61	3.31	2.92	-1.49	77.50	-55.57	65.64	-43.71	-37.91
11	85	156	2.07	-1.99	1.99	-1.91	0.56	-16.49	-121.86	-23.90	-114.45	-26.95
11	86	3	19.03	1.61	10.15	10.49	8.71	369.98	-337.50	-214.55	247.03	-
268.09												
11	86	10	1.80	-5.40	-1.50	-2.11	-3.59	130.81	-33.77	-28.13	125.17	-29.93
11	86	118	-1.54	-8.22	-4.70	-5.06	-3.34	120.82	-161.51	-152.09	111.40	-50.72
11	86	119	1.53	0.59	1.52	0.60	-6.41e-02	181.34	-307.03	-190.62	64.93	-
208.09												
11	86	120	22.84	-0.25	18.17	4.43	9.28	247.57	-829.97	-692.25	109.85	-
359.76												
11	86	123	6.23	-4.24	6.11	-4.12	1.12	273.56	-369.38	-347.94	252.12	-
115.43												
11	86	124	20.66	2.43	4.18	18.91	5.37	425.99	-150.74	-60.35	335.60	-
209.67												
11	86	132	0.70	-1.03	-0.92	0.59	-0.43	123.04	-342.91	-150.92	-68.95	-
229.34												
11	86	135	-0.98	-4.07	-2.05	-3.00	-1.47	140.44	56.77	61.68	135.54	19.65
11	86	154	2.57	-2.56	-2.54	2.56	0.27	33.62	-35.60	-25.35	23.37	24.59
11	86	155	2.46	0.85	1.73	1.58	-0.80	24.85	-17.03	19.00	-11.18	-14.52
11	86	156	1.05	-0.94	1.03	-0.92	0.22	-13.31	-53.45	-42.27	-24.49	-17.99
11	87	3	-3.19	-25.59	-12.77	-16.01	-11.09	200.44	-708.24	168.72	-676.53	166.77
11	87	10	10.42	-2.72	3.39	4.31	6.56	-13.30	-281.68	-14.25	-280.73	-15.95
11	87	118	12.43	2.71	7.61	7.54	4.86	157.38	-246.11	152.67	-241.39	-43.35
11	87	119	1.62	-1.52	-0.49	0.60	1.47	419.87	-230.22	297.28	-107.63	254.29
11	87	120	-1.25	-26.01	-20.80	-6.47	-10.09	1019.50	-311.35	933.04	-224.89	328.01
11	87	123	4.88	-5.80	-5.78	4.87	-0.45	512.67	-399.31	509.70	-396.34	51.95
11	87	124	-3.87	-35.10	-7.84	-31.13	-10.41	-83.95	-1659.24	-106.72	-1636.47	188.01
11	87	132	4.17	9.47e-02	3.10	1.16	1.79	588.64	-177.07	261.92	149.65	378.72
11	87	135	10.79	2.28	5.58	7.49	4.15	-88.99	-236.75	-128.27	-197.47	-65.27
11	87	154	3.51	-2.97	3.47	-2.93	-0.50	79.55	-44.59	-18.21	53.17	-50.79
11	87	155	-1.61	-4.49	-3.34	-2.77	1.41	-22.44	-76.97	-46.37	-53.03	27.06
11	87	156	1.93	-2.14	-1.99	1.77	-0.78	91.51	-48.45	91.45	-48.38	3.09
11	88	3	-4.82	-45.37	-22.41	-27.78	-20.10	-139.26	-627.26	-143.07	-623.46	-42.93
11	88	10	15.36	-4.41	4.81	6.14	9.86	8.16	-98.40	-39.67	-50.57	53.00
11	88	118	18.77	3.94	10.77	11.94	7.39	183.17	-70.98	117.21	-5.02	111.42
11	88	119	0.55	-2.37	-1.39	-0.43	1.38	179.51	-88.67	84.09	6.75	128.39
11	88	120	-2.56	-47.87	-38.00	-12.43	-18.70	70.42	-312.36	70.27	-312.21	7.49
11	88	123	7.57	-11.17	-11.01	7.41	-1.72	55.39	-66.22	43.27	-54.10	36.43
11	88	124	-5.23	-58.83	-12.18	-51.88	-18.00	-172.65	-1055.33	-172.95	-1055.03	16.14
11	88	132	5.54	0.38	4.74	1.18	1.87	290.02	-75.64	90.90	123.49	182.10
11	88	135	15.36	3.39	8.22	10.53	5.87	-27.64	-127.59	-88.06	-67.17	-48.87
11	88	154	5.51	-4.71	5.45	-4.66	-0.74	-2.03	-90.58	-2.88	-89.73	-8.63
11	88	155	-2.30	-6.44	-4.76	-3.98	2.03	4.46	-116.77	-91.69	-20.63	49.11
11	88	156	2.88	-3.07	-2.87	2.67	-1.09	77.83	35.19	74.13	38.89	12.00
11	89	3	39.81	3.34	20.28	22.87	18.19	226.77	74.97	100.03	201.71	-56.36
11	89	10	3.58	-10.61	-3.00	-4.04	-7.07	58.86	-167.99	-1.84	-107.29	-
100.43												
11	89	118	-2.80	-14.94	-8.03	-9.71	-6.01	86.06	-329.22	-116.84	-126.32	-
207.59												
11	89	119	2.48	1.65	2.47	1.65	2.70e-02	78.20	-105.27	22.44	-49.52	-84.38
11	89	120	45.90	1.11	36.32	10.69	18.37	218.55	155.82	183.46	190.90	-31.14
11	89	123	11.97	-7.14	11.65	-6.82	2.45	160.61	-134.09	121.44	-94.92	-
100.04												
11	89	124	45.49	3.91	8.75	40.65	13.33	10.60	-246.78	4.27	-240.46	-39.86
11	89	132	0.83	-2.71	-2.64	0.76	-0.49	28.47	-112.43	19.58	-103.54	-34.25
11	89	135	-2.17	-8.88	-4.84	-6.21	-3.28	21.99	0.35	21.60	0.73	2.86
11	89	154	4.42	-4.66	-4.63	4.39	0.52	169.22	-42.76	-41.19	167.65	-18.21
11	89	155	4.51	1.57	3.23	2.86	-1.46	76.52	-55.19	64.98	-43.65	-37.24
11	89	156	2.03	-1.94	1.95	-1.87	0.54	-16.89	-120.64	-24.43	-113.10	-26.93
11	90	3	20.05	1.69	10.65	11.09	9.17	375.35	-332.33	-211.76	254.78	-
266.06												
11	90	10	1.89	-5.67	-1.57	-2.21	-3.77	129.20	-33.59	-27.26	122.87	-31.48
11	90	118	-1.60	-8.58	-4.87	-5.31	-3.48	120.29	-162.53	-152.30	110.05	-52.82

11	90	119	1.59	0.62	1.58	0.62	-6.39e-02	183.13	-309.02	-190.75	64.86	-210.29
11	90	120	24.05	-0.20	19.12	4.73	9.76	238.35	-814.06	-679.30	103.58	-351.66
11	90	123	6.54	-4.41	6.41	-4.28	1.18	269.06	-366.74	-344.99	247.31	-115.57
11	90	124	21.79	2.51	4.40	19.91	5.73	431.78	-152.76	-61.96	340.99	-211.73
11	90	132	0.87	-1.09	-1.00	0.78	-0.42	90.55	-371.70	-151.45	-129.70	-230.87
11	90	135	-1.05	-4.32	-2.20	-3.17	-1.56	136.04	56.81	61.80	131.04	19.26
11	90	154	2.68	-2.67	-2.65	2.66	0.28	34.29	-35.39	-25.86	24.76	23.95
11	90	155	2.56	0.88	1.81	1.64	-0.84	25.88	-17.45	19.66	-11.24	-15.19
11	90	156	1.10	-0.99	1.07	-0.97	0.23	-14.09	-53.48	-41.74	-25.83	-18.02
11	91	3	24.14	1.29	11.89	13.54	11.39	629.56	-515.47	517.38	-403.29	340.39
11	91	10	1.79	-3.67	-0.77	-1.11	-2.72	54.64	-528.69	23.37	-497.42	-131.39
11	91	118	-0.62	-6.05	-2.15	-4.53	-2.44	220.09	-600.08	100.97	-480.95	-288.99
11	91	119	3.14	0.94	1.81	2.27	1.08	549.28	-320.13	451.13	-221.98	275.14
11	91	120	29.14	1.25	22.79	7.60	11.69	1910.53	-187.18	1720.69	2.67	601.83
11	91	123	8.04	-3.24	7.57	-2.77	2.27	929.30	-705.92	929.14	-705.76	16.05
11	91	124	24.97	0.76	3.85	21.88	8.08	52.76	-1858.36	3.82	-1809.42	301.87
11	91	132	1.93	-1.39	-1.11	1.65	0.93	651.64	-387.86	376.20	-112.42	458.75
11	91	135	-0.81	-2.37	-1.71	-1.47	-0.77	-102.41	-316.35	-122.79	-295.97	-62.81
11	91	154	2.03	-2.08	-2.07	2.03	0.19	289.08	-70.56	-46.05	264.56	-90.64
11	91	155	1.32	0.44	0.90	0.86	-0.44	51.53	-90.86	47.54	-86.87	-23.50
11	91	156	0.58	-0.74	0.57	-0.73	0.11	75.55	-179.37	74.34	-178.15	-17.58
11	92	3	-4.66	-48.60	-23.57	-29.69	-21.75	-14.71	-803.90	-540.52	-278.10	-372.14
11	92	10	14.57	-4.45	4.46	5.66	9.49	315.99	-98.07	-67.20	285.12	108.76
11	92	118	17.74	3.58	9.53	11.80	6.99	442.56	-142.47	-15.84	315.93	240.93
11	92	119	-0.67	-2.23	-1.57	-1.34	0.77	196.75	-295.65	-258.61	159.71	-129.86
11	92	120	-3.38	-51.81	-40.92	-14.27	-20.22	-24.01	-1464.14	-1241.55	-246.61	-520.59
11	92	123	7.07	-12.23	-11.93	6.78	-2.36	468.14	-646.37	-645.28	467.06	-34.79
11	92	124	-4.35	-61.70	-12.11	-53.94	-19.61	240.89	-354.27	-206.18	92.81	-257.30
11	92	132	5.15	0.16	4.88	0.43	1.14	279.38	-264.39	-190.38	205.37	-186.46
11	92	135	14.54	3.35	8.11	9.78	5.54	168.60	10.18	10.37	168.40	-5.53
11	92	154	5.32	-4.48	5.27	-4.43	-0.71	20.58	-233.14	8.45	-221.01	54.13
11	92	155	-2.10	-5.88	-4.36	-3.62	1.85	41.43	-127.80	-107.94	21.57	54.47
11	92	156	2.79	-2.83	-2.63	2.59	-1.04	123.09	11.73	13.11	121.72	12.28
11	93	3	43.02	3.20	21.45	24.77	19.84	597.88	-244.05	497.48	-143.65	272.85
11	93	10	3.62	-9.82	-2.65	-3.56	-6.70	72.97	-490.27	25.69	-442.98	-156.19
11	93	118	-2.39	-13.96	-6.79	-9.57	-5.62	193.55	-624.60	16.21	-447.27	-337.10
11	93	119	3.24	1.97	2.65	2.56	0.63	414.17	-251.51	365.14	-202.48	173.87
11	93	120	49.84	1.93	39.24	12.53	19.89	1656.56	-35.97	1495.29	125.30	496.94
11	93	123	13.07	-6.69	12.57	-6.19	3.09	810.57	-616.66	809.99	-616.08	-28.82
11	93	124	48.34	3.05	8.67	42.71	14.94	74.80	-1425.59	37.51	-1388.30	233.59
11	93	132	1.52	-2.79	-2.78	1.51	0.24	471.09	-355.66	300.85	-185.42	334.31
11	93	135	-2.13	-8.07	-4.73	-5.46	-2.95	-67.07	-244.61	-76.84	-234.84	-40.48
11	93	154	4.19	-4.48	-4.45	4.16	0.49	316.69	-70.28	-52.52	298.93	-80.97
11	93	155	3.95	1.37	2.83	2.50	-1.28	91.46	-96.08	81.23	-85.84	-42.60
11	93	156	1.79	-1.85	1.72	-1.79	0.49	39.74	-199.08	36.60	-195.93	-27.21
11	94	3	-2.75	-29.72	-14.01	-18.46	-13.30	227.05	-805.92	-560.42	-18.45	-439.68
11	94	10	8.42	-2.62	2.58	3.21	5.51	356.29	-81.62	-64.88	339.56	83.96
11	94	118	9.75	1.90	4.89	6.76	3.81	420.90	-171.88	-100.59	349.61	192.82
11	94	119	-0.52	-1.25	-0.73	-1.05	0.33	266.61	-432.00	-344.60	179.21	-231.13
11	94	120	-2.70	-31.11	-24.46	-9.34	-12.03	122.21	-1713.13	-1466.95	-123.97	-625.48
11	94	123	3.58	-7.16	-6.93	3.35	-1.53	561.52	-769.22	-764.44	556.74	-79.66
11	94	124	-2.05	-38.34	-7.29	-33.10	-12.75	643.80	-302.36	-172.50	513.93	-325.59
11	94	132	3.28	0.23	3.21	0.30	0.45	302.48	-435.83	-265.72	132.36	-310.90

11	94	135	8.82	2.06	5.08	5.79	3.36	231.15	54.71	56.33	229.53	16.80
11	94	154	2.92	-2.32	2.89	-2.29	-0.41	21.53	-206.19	1.98	-186.64	63.80
11	94	155	-1.17	-3.25	-2.43	-1.98	1.01	34.14	-85.79	-74.25	22.60	35.38
11	94	156	1.67	-1.62	-1.49	1.53	-0.65	103.99	-24.69	-24.64	103.94	2.65
11	95	3	23.77	1.26	11.71	13.33	11.23	629.51	-516.99	517.73	-405.20	340.09
11	95	10	1.76	-3.59	-0.75	-1.08	-2.67	53.92	-527.47	22.67	-496.22	-
131.12												
11	95	118	-0.63	-5.96	-2.12	-4.46	-2.40	217.96	-600.31	99.02	-481.37	-
288.41												
11	95	119	3.12	0.92	1.79	2.25	1.07	547.94	-319.52	449.36	-220.95	275.30
11	95	120	28.70	1.23	22.45	7.49	11.52	1911.02	-188.98	1720.42	1.62	603.26
11	95	123	7.93	-3.20	7.46	-2.73	2.24	927.97	-706.30	927.80	-706.13	16.41
11	95	124	24.57	0.74	3.77	21.53	7.95	52.99	-1857.23	4.02	-1808.26	301.91
11	95	132	1.92	-1.37	-1.08	1.64	0.93	650.82	-386.88	374.88	-110.94	458.48
11	95	135	-0.78	-2.29	-1.65	-1.41	-0.75	-102.43	-314.99	-122.29	-295.14	-61.86
11	95	154	2.00	-2.06	-2.05	1.99	0.18	289.13	-70.39	-45.84	264.57	-90.69
11	95	155	1.29	0.43	0.88	0.84	-0.43	51.61	-91.69	47.68	-87.76	-23.41
11	95	156	0.56	-0.72	0.55	-0.71	9.95e-02	74.12	-178.61	72.85	-177.34	-17.89
11	96	3	-4.69	-48.96	-23.75	-29.90	-21.92	-15.58	-804.59	-540.16	-280.01	-
372.44												
11	96	10	14.65	-4.48	4.48	5.69	9.55	317.19	-98.77	-67.90	286.32	109.03
11	96	118	17.84	3.58	9.56	11.86	7.03	442.28	-144.57	-17.79	315.51	241.51
11	96	119	-0.69	-2.25	-1.59	-1.35	0.77	197.48	-297.12	-260.38	160.75	-
129.69												
11	96	120	-3.40	-52.24	-41.26	-14.38	-20.39	-25.98	-1463.50	-1241.81	-247.66	-
519.16												
11	96	123	7.12	-12.34	-12.05	6.82	-2.38	467.75	-647.68	-646.62	466.68	-34.42
11	96	124	-4.38	-62.10	-12.19	-54.29	-19.74	241.78	-353.80	-205.99	93.97	-
257.27												
11	96	132	5.18	0.16	4.91	0.43	1.13	280.66	-265.52	-191.70	206.84	-
186.74												
11	96	135	14.63	3.37	8.16	9.84	5.56	169.37	10.74	10.87	169.24	-4.58
11	96	154	5.35	-4.51	5.30	-4.46	-0.71	20.76	-233.09	8.66	-221.00	54.08
11	96	155	-2.11	-5.91	-4.38	-3.65	1.86	40.72	-127.85	-107.80	20.68	54.57
11	96	156	2.81	-2.85	-2.65	2.61	-1.04	123.81	10.34	11.62	122.54	11.97
11	97	3	43.39	3.23	21.63	24.99	20.01	597.99	-242.60	497.12	-141.73	273.15
11	97	10	3.65	-9.90	-2.67	-3.59	-6.76	73.66	-491.46	26.39	-444.18	-
156.46												
11	97	118	-2.39	-14.05	-6.81	-9.63	-5.66	195.64	-624.33	18.16	-446.85	-
337.68												
11	97	119	3.26	1.98	2.68	2.57	0.64	415.64	-252.25	366.91	-203.52	173.70
11	97	120	50.27	1.95	39.58	12.64	20.06	1656.06	-34.16	1495.55	126.35	495.51
11	97	123	13.18	-6.73	12.68	-6.24	3.11	811.92	-616.31	811.33	-615.71	-29.19
11	97	124	48.74	3.07	8.75	43.06	15.07	74.57	-1426.71	37.31	-1389.46	233.55
11	97	132	1.53	-2.82	-2.80	1.52	0.24	472.06	-356.78	302.17	-186.90	334.59
11	97	135	-2.15	-8.15	-4.78	-5.52	-2.97	-67.15	-245.86	-77.33	-235.67	-41.42
11	97	154	4.22	-4.51	-4.48	4.19	0.49	316.64	-70.46	-52.73	298.92	-80.92
11	97	155	3.99	1.39	2.85	2.52	-1.29	91.42	-95.28	81.09	-84.95	-42.70
11	97	156	1.80	-1.87	1.73	-1.80	0.50	41.13	-199.79	38.08	-196.75	-26.90
11	98	3	-2.72	-29.36	-13.83	-18.24	-13.14	228.16	-805.47	-560.77	-16.54	-
439.38												
11	98	10	8.34	-2.59	2.57	3.18	5.46	355.06	-80.88	-64.18	338.36	83.69
11	98	118	9.66	1.90	4.86	6.69	3.77	421.13	-169.74	-98.64	350.03	192.24
11	98	119	-0.49	-1.24	-0.70	-1.03	0.33	266.04	-430.69	-342.83	178.18	-
231.30												
11	98	120	-2.68	-30.68	-24.13	-9.23	-11.85	124.13	-1713.74	-1466.69	-122.92	-
626.91												
11	98	123	3.53	-7.04	-6.82	3.31	-1.51	561.94	-767.93	-763.10	557.11	-80.02
11	98	124	-2.02	-37.94	-7.21	-32.75	-12.62	642.80	-302.72	-172.69	512.77	-
325.63												
11	98	132	3.25	0.24	3.18	0.31	0.45	301.42	-434.93	-264.40	130.89	-
310.63												
11	98	135	8.74	2.03	5.03	5.73	3.34	230.14	54.39	55.83	228.70	15.86
11	98	154	2.90	-2.29	2.87	-2.26	-0.41	21.37	-206.25	1.77	-186.65	63.85
11	98	155	-1.16	-3.21	-2.41	-1.96	1.00	34.88	-85.78	-74.39	23.49	35.28
11	98	156	1.65	-1.60	-1.47	1.52	-0.64	103.19	-23.22	-23.15	103.12	2.97
11	99	3	20.75	1.02	10.22	11.55	9.84	614.71	-535.78	508.08	-429.14	333.63
11	99	10	1.48	-2.77	-0.52	-0.77	-2.12	49.96	-519.25	20.45	-489.73	-
126.22												
11	99	118	-0.42	-4.85	-1.56	-3.71	-1.94	216.41	-591.21	101.66	-476.46	-
281.97												
11	99	119	3.01	0.78	1.61	2.18	1.08	554.38	-324.57	451.57	-221.77	282.48

11	99	120	25.10	1.11	19.60	6.61	10.08	1857.65	-156.58	1677.51	23.56	574.81
11	99	123	7.01	-2.70	6.54	-2.23	2.08	919.48	-689.91	919.31	-689.74	16.50
11	99	124	21.18	0.48	3.11	18.55	6.89	59.71	-1877.89	9.20	-1827.38	308.74
11	99	132	1.38	-1.22	-0.84	1.01	0.91	719.67	-251.64	377.96	90.07	463.84
11	99	135	-0.54	-1.57	-1.21	-0.90	-0.49	-102.07	-302.11	-123.21	-280.96	-61.50
11	99	154	1.68	-1.71	-1.70	1.68	0.14	283.80	-68.21	-44.34	259.93	-88.51
11	99	155	0.97	0.31	0.65	0.64	-0.33	48.67	-90.01	45.33	-86.66	-21.27
11	99	156	0.43	-0.57	0.43	-0.57	5.12e-02	73.81	-174.90	72.58	-173.67	-17.50
11	100	3	-4.39	-45.21	-21.90	-27.70	-20.20	-0.63	-782.83	-531.22	-252.24	-365.38
11	100	10	13.67	-4.14	4.22	5.31	8.89	306.39	-93.23	-64.27	277.44	103.59
11	100	118	16.53	3.39	8.95	10.98	6.49	433.13	-138.22	-16.54	311.44	233.92
11	100	119	-0.54	-2.08	-1.36	-1.25	0.77	200.46	-300.02	-259.06	159.50	-137.20
11	100	120	-3.24	-47.77	-37.74	-13.27	-18.61	-54.52	-1411.34	-1198.36	-267.50	-493.57
11	100	123	6.51	-11.17	-10.90	6.24	-2.17	452.18	-636.59	-635.45	451.04	-35.24
11	100	124	-4.07	-57.91	-11.37	-50.61	-18.43	259.05	-359.85	-211.56	110.77	-264.17
11	100	132	4.96	0.73	4.62	1.07	1.16	120.31	-309.57	-192.14	2.87	-191.55
11	100	135	13.73	3.10	7.61	9.21	5.25	153.72	10.47	10.80	153.39	-6.84
11	100	154	4.95	-4.13	4.90	-4.08	-0.67	18.27	-227.90	6.75	-216.38	52.00
11	100	155	-1.98	-5.53	-4.10	-3.41	1.74	40.08	-124.44	-105.73	21.37	52.23
11	100	156	2.62	-2.68	-2.49	2.43	-0.98	118.66	13.43	14.87	117.23	12.20
11	101	3	39.63	2.93	19.78	22.78	18.29	582.35	-263.67	488.18	-169.50	266.09
11	101	10	3.31	-8.92	-2.40	-3.21	-6.10	68.07	-480.61	22.76	-435.30	-151.02
11	101	118	-2.20	-12.75	-6.20	-8.75	-5.12	189.29	-615.16	16.91	-442.78	-330.09
11	101	119	3.10	1.83	2.45	2.47	0.63	418.49	-255.16	365.59	-202.27	181.21
11	101	120	45.81	1.79	36.06	11.53	18.27	1603.62	-5.32	1452.10	146.20	469.92
11	101	123	12.02	-6.13	11.54	-5.65	2.90	800.73	-600.64	800.16	-600.06	-28.37
11	101	124	44.55	2.77	7.94	39.39	13.75	81.74	-1445.11	42.89	-1406.25	240.45
11	101	132	0.88	-2.53	-2.51	0.87	0.22	528.05	-208.37	302.61	17.07	339.40
11	101	135	-1.88	-7.25	-4.23	-4.89	-2.66	-67.21	-229.88	-77.26	-219.83	-39.17
11	101	154	3.84	-4.10	-4.08	3.81	0.45	311.46	-67.97	-50.82	294.30	-78.84
11	101	155	3.60	1.25	2.57	2.28	-1.17	88.38	-95.00	79.02	-85.64	-40.36
11	101	156	1.63	-1.68	1.58	-1.63	0.44	38.04	-194.65	34.84	-191.45	-27.13
11	102	3	-2.47	-26.34	-12.34	-16.47	-11.75	243.32	-787.03	-551.12	7.40	-432.92
11	102	10	7.52	-2.31	2.34	2.87	4.91	347.05	-77.13	-61.96	331.87	78.79
11	102	118	8.54	1.71	4.30	5.94	3.31	412.33	-168.50	-101.29	345.12	185.80
11	102	119	-0.35	-1.14	-0.52	-0.96	0.33	271.27	-437.31	-345.04	179.00	-238.47
11	102	120	-2.56	-27.07	-21.28	-8.35	-10.41	91.49	-1660.13	-1423.77	-144.87	-598.46
11	102	123	3.02	-6.10	-5.90	2.81	-1.34	545.65	-759.54	-754.61	540.72	-80.11
11	102	124	-1.77	-34.55	-6.55	-29.77	-11.57	663.29	-309.27	-177.88	531.89	-332.46
11	102	132	3.05	0.83	2.95	0.94	0.47	162.23	-499.84	-267.48	-70.13	-315.99
11	102	135	8.00	1.81	4.59	5.22	3.08	216.03	55.24	56.75	214.52	15.49
11	102	154	2.55	-1.97	2.52	-1.94	-0.37	19.18	-200.91	0.27	-182.00	61.67
11	102	155	-1.04	-2.89	-2.18	-1.76	0.90	32.86	-82.51	-72.04	22.39	33.14
11	102	156	1.50	-1.47	-1.34	1.37	-0.60	99.50	-22.93	-22.88	99.45	2.57
11	103	3	20.38	0.99	10.04	11.33	9.67	614.68	-537.31	508.43	-431.06	333.33
11	103	10	1.45	-2.69	-0.51	-0.74	-2.07	49.24	-518.03	19.74	-488.53	-125.95
11	103	118	-0.42	-4.76	-1.54	-3.64	-1.90	214.28	-591.45	99.71	-476.88	-281.39
11	103	119	2.99	0.77	1.59	2.17	1.07	553.05	-323.98	449.81	-220.73	282.64
11	103	120	24.67	1.09	19.26	6.50	9.91	1858.13	-158.38	1677.24	22.51	576.24
11	103	123	6.89	-2.65	6.43	-2.19	2.05	918.15	-690.29	917.97	-690.11	16.86
11	103	124	20.78	0.46	3.03	18.20	6.76	59.95	-1876.77	9.40	-1826.22	308.77
11	103	132	1.37	-1.19	-0.82	1.00	0.91	719.08	-250.89	376.64	91.55	463.56
11	103	135	-0.51	-1.49	-1.16	-0.84	-0.46	-102.12	-300.73	-122.72	-280.13	-60.56
11	103	154	1.65	-1.68	-1.67	1.65	0.14	283.85	-68.04	-44.13	259.94	-88.56
11	103	155	0.94	0.30	0.62	0.62	-0.32	48.76	-90.85	45.47	-87.56	-21.17
11	103	156	0.41	-0.55	0.41	-0.55	4.55e-02	72.38	-174.14	71.09	-172.85	-17.81
11	104	3	-4.42	-45.57	-22.08	-27.91	-20.37	-1.53	-783.49	-530.87	-254.16	-365.68

11	104	10	13.75	-4.17	4.23	5.34	8.94	307.60	-93.93	-64.98	278.64	103.86
11	104	118	16.62	3.39	8.97	11.05	6.53	432.85	-140.32	-18.49	311.02	234.49
11	104	119	-0.56	-2.10	-1.39	-1.27	0.77	201.18	-301.47	-260.82	160.53	-137.03
11	104	120	-3.26	-48.21	-38.08	-13.38	-18.78	-56.49	-1410.69	-1198.63	-268.55	-492.14
11	104	123	6.55	-11.29	-11.02	6.28	-2.19	451.78	-637.91	-636.79	450.67	-34.87
11	104	124	-4.10	-58.31	-11.45	-50.96	-18.56	259.95	-359.39	-211.37	111.93	-264.13
11	104	132	4.98	0.73	4.64	1.07	1.15	121.27	-310.37	-193.46	4.35	-191.82
11	104	135	13.81	3.13	7.66	9.27	5.28	154.47	11.05	11.30	154.23	-5.89
11	104	154	4.97	-4.16	4.92	-4.11	-0.67	18.45	-227.86	6.96	-216.36	51.95
11	104	155	-1.99	-5.56	-4.12	-3.43	1.75	39.37	-124.48	-105.59	20.47	52.33
11	104	156	2.64	-2.70	-2.51	2.45	-0.99	119.38	12.04	13.38	118.05	11.89
11	105	3	40.00	2.96	19.96	23.00	18.46	582.44	-262.20	487.83	-167.59	266.39
11	105	10	3.34	-9.00	-2.42	-3.24	-6.16	68.77	-481.80	23.47	-436.50	-151.29
11	105	118	-2.20	-12.84	-6.23	-8.82	-5.16	191.39	-614.89	18.86	-442.36	-330.66
11	105	119	3.12	1.84	2.48	2.49	0.64	419.94	-255.89	367.35	-203.30	181.04
11	105	120	46.24	1.81	36.40	11.64	18.45	1603.13	-3.51	1452.37	147.25	468.49
11	105	123	12.13	-6.18	11.65	-5.70	2.92	802.08	-600.28	801.50	-599.69	-28.74
11	105	124	44.95	2.79	8.01	39.73	13.88	81.51	-1446.23	42.69	-1407.41	240.41
11	105	132	0.89	-2.55	-2.54	0.88	0.22	528.77	-209.24	303.93	15.59	339.67
11	105	135	-1.91	-7.33	-4.28	-4.95	-2.69	-67.27	-231.16	-77.76	-220.67	-40.12
11	105	154	3.87	-4.13	-4.11	3.84	0.45	311.41	-68.15	-51.02	294.28	-78.79
11	105	155	3.64	1.26	2.59	2.30	-1.18	88.33	-94.20	78.88	-84.74	-40.46
11	105	156	1.65	-1.70	1.59	-1.64	0.44	39.43	-195.37	36.32	-192.26	-26.81
11	106	3	-2.44	-25.97	-12.16	-16.25	-11.59	244.46	-786.62	-551.47	9.32	-432.62
11	106	10	7.44	-2.28	2.32	2.84	4.86	345.82	-76.40	-61.25	330.67	78.52
11	106	118	8.44	1.71	4.28	5.87	3.27	412.56	-166.36	-99.34	345.54	185.22
11	106	119	-0.32	-1.13	-0.50	-0.95	0.33	270.71	-436.02	-343.28	177.96	-238.64
11	106	120	-2.54	-26.64	-20.94	-8.24	-10.24	93.42	-1660.74	-1423.50	-143.82	-599.89
11	106	123	2.97	-5.99	-5.79	2.77	-1.32	546.07	-758.25	-753.27	541.09	-80.47
11	106	124	-1.74	-34.15	-6.47	-29.42	-11.44	662.28	-309.63	-178.07	530.73	-332.49
11	106	132	3.03	0.84	2.92	0.94	0.47	161.48	-499.24	-266.16	-71.61	-315.71
11	106	135	7.92	1.78	4.54	5.16	3.05	215.02	54.92	56.25	213.69	14.55
11	106	154	2.52	-1.94	2.49	-1.91	-0.36	19.01	-200.97	6.33e-02	-182.02	61.72
11	106	155	-1.03	-2.86	-2.15	-1.74	0.89	33.61	-82.50	-72.18	23.29	33.04
11	106	156	1.48	-1.45	-1.33	1.36	-0.59	98.70	-21.46	-21.39	98.63	2.88
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-91.50	-62.70	-80.12	-33.04		-2670.68	-2309.64	-2452.27	-951.98
			78.14		61.02	68.89	31.13	2868.03		2563.38	1156.78	928.33

Macro	Tipo	Angolo 1-X (gradi)
13	**Guscio**	**0.0**

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
13	1	1	0.20	-2.88	0.20	-2.88	-2.34e-02	57.85	-124.84	4.18	-71.17	83.21
13	1	7	1.26	0.29	0.29	1.26	1.47e-02	7.87	-59.39	-26.82	-24.70	33.61
13	1	127	1.93	0.57	0.64	1.85	0.32	36.69	-13.32	24.18	-0.80	21.66
13	1	128	1.46	-9.24e-02	-7.88e-02	1.45	0.14	31.89	-33.71	8.94	-10.76	31.28
13	1	129	0.57	0.27	0.55	0.29	7.55e-02	82.48	-47.27	13.29	21.92	64.73
13	1	130	-1.07	-3.17	-1.07	-3.16	6.96e-02	74.03	-18.60	17.92	37.51	45.26
13	1	131	-0.23	-3.08	-0.23	-3.08	5.91e-03	196.45	-14.64	34.64	147.17	89.30
13	1	133	0.40	-0.36	-0.32	0.35	0.17	55.16	-49.35	10.34	-4.53	51.72
13	1	134	0.58	4.26e-02	0.17	0.45	0.23	67.09	-71.11	17.37	-21.39	66.32
13	1	157	0.34	-0.51	-0.29	0.11	0.38	8.64	7.86	8.26	8.23	-0.39
13	1	158	0.30	-0.23	-0.21	0.28	0.10	5.26	-42.76	-42.19	4.69	5.21
13	1	159	1.25	-0.21	0.86	0.19	0.65	13.13	1.06	11.81	2.39	3.78

13	2	1	1.87	-17.55	1.86	-17.54	-0.40	299.46	-776.68	35.48	-512.70463.02
13	2	7	7.69	1.85	1.85	7.69	-0.10	25.31	-317.11	-162.24	-129.56170.42
13	2	127	12.13	3.25	3.52	11.86	1.54	192.04	-29.47	112.34	50.22106.31
13	2	128	9.17	-0.59	-0.55	9.13	0.60	159.36	-162.32	26.92	-29.89158.31
13	2	129	3.65	1.74	3.64	1.75	0.17	458.41	-250.01	84.41	123.99353.66
13	2	130	-6.50	-19.74	-6.50	-19.74	-6.53e-03	280.60	-137.36	70.26	72.99208.98
13	2	131	-1.26	-19.57	-1.28	-19.55	-0.62	923.56	-93.93	158.28	671.36439.33
13	2	133	2.16	-2.07	-1.98	2.06	0.62	262.14	-265.37	39.64	-42.86260.51
13	2	134	2.69	0.29	0.54	2.44	0.73	283.88	-388.81	61.02	-165.94316.62
13	2	157	1.96	-3.16	-1.82	0.61	2.25	51.26	19.78	21.57	49.47 -7.28
13	2	158	1.92	-1.22	-1.12	1.81	0.56	43.58	-247.62	-245.44	41.41 25.07
13	2	159	7.55	-1.42	5.18	0.95	3.95	70.93	-13.93	47.66	9.35 37.86
13	3	1	0.12	-1.94	0.12	-1.94	-1.08e-02	40.01	-83.80	2.62	-46.41 56.84
13	3	7	0.85	0.20	0.20	0.84	1.34e-02	5.74	-40.83	-18.07	-17.02 23.27
13	3	127	1.30	0.38	0.44	1.24	0.22	25.36	-10.00	16.94	-1.58 15.06
13	3	128	0.98	-6.20e-02	-5.18e-02	0.97	0.10	22.15	-23.53	6.54	-7.91 21.67
13	3	129	0.38	0.18	0.37	0.19	5.62e-02	56.35	-32.54	8.88	14.93 44.34
13	3	130	-0.72	-2.12	-0.72	-2.12	5.50e-02	53.14	-12.16	12.80	28.18 31.73
13	3	131	-0.16	-2.06	-0.16	-2.06	1.63e-02	137.40	-9.77	24.31	103.32 62.09
13	3	133	0.27	-0.25	-0.22	0.24	0.13	38.52	-33.88	7.40	-2.76 35.85
13	3	134	0.41	2.62e-02	0.13	0.31	0.17	47.53	-48.72	12.54	-13.72 46.30
13	3	157	0.23	-0.34	-0.19	7.76e-02	0.25	6.15	5.50	6.10	5.55 -0.17
13	3	158	0.20	-0.16	-0.15	0.19	6.86e-02	3.33	-29.03	-28.62	2.91 3.63
13	3	159	0.85	-0.14	0.58	0.13	0.44	9.10	1.02	8.40	1.71 2.26
13	4	1	1.80	-16.60	1.79	-16.60	-0.39	281.67	-735.68	33.93	-487.94436.65
13	4	7	7.28	1.75	1.75	7.28	-0.10	23.18	-298.55	-153.50	-121.88160.09
13	4	127	11.49	3.07	3.32	11.24	1.44	180.79	-26.25	105.10	49.45 99.71
13	4	128	8.69	-0.56	-0.52	8.65	0.56	149.65	-152.18	24.52	-27.05148.70
13	4	129	3.47	1.65	3.45	1.66	0.15	432.29	-235.28	80.00	117.01333.27
13	4	130	-6.15	-18.70	-6.15	-18.70	-2.12e-02	259.84	-131.05	65.13	63.66195.44
13	4	131	-1.19	-18.55	-1.21	-18.53	-0.61	864.52	-89.06	147.95	627.51412.11
13	4	133	2.03	-1.96	-1.87	1.95	0.57	245.51	-249.90	36.70	-41.10244.63
13	4	134	2.52	0.28	0.50	2.30	0.67	264.34	-366.43	56.19	-158.28296.59
13	4	157	1.85	-2.99	-1.72	0.58	2.13	48.51	17.70	19.41	46.79 -7.06
13	4	158	1.82	-1.15	-1.06	1.72	0.52	41.65	-233.89	-231.87	39.63 23.49
13	4	159	7.14	-1.35	4.90	0.89	3.74	66.93	-14.01	44.25	8.66 36.34
13	5	1	0.14	-2.09	0.14	-2.09	-1.49e-02	42.54	-90.71	2.96	-51.12 60.89
13	5	7	0.91	0.21	0.21	0.91	1.22e-02	5.92	-43.57	-19.52	-18.14 24.73
13	5	127	1.40	0.41	0.47	1.34	0.24	26.98	-10.14	17.88	-1.04 15.97
13	5	128	1.06	-6.72e-02	-5.68e-02	1.05	0.11	23.49	-24.88	6.73	-8.12 23.02
13	5	129	0.42	0.19	0.40	0.21	5.73e-02	60.36	-34.70	9.64	16.02 47.42
13	5	130	-0.78	-2.30	-0.78	-2.30	5.42e-02	55.29	-13.37	13.35	28.56 33.48
13	5	131	-0.17	-2.23	-0.17	-2.23	9.65e-03	145.15	-10.62	25.63	108.91 65.82
13	5	133	0.29	-0.27	-0.23	0.26	0.13	40.73	-36.19	7.71	-3.17 38.07
13	5	134	0.43	3.00e-02	0.13	0.33	0.17	49.83	-52.10	13.00	-15.27 48.97
13	5	157	0.25	-0.37	-0.21	8.29e-02	0.27	6.40	5.84	6.25	5.99 -0.24
13	5	158	0.22	-0.17	-0.16	0.20	7.35e-02	3.73	-31.21	-30.79	3.31 3.84
13	5	159	0.91	-0.15	0.62	0.14	0.47	9.66	0.91	8.79	1.78 2.62
13	6	1	1.25	-11.87	1.25	-11.87	-0.27	203.53	-525.18	23.83	-345.48314.10
13	6	7	5.20	1.25	1.25	5.20	-6.45e-02	17.53	-215.37	-109.80	-88.05115.94
13	6	127	8.20	2.20	2.39	8.01	1.05	130.44	-20.80	76.65	32.98 72.40
13	6	128	6.20	-0.40	-0.37	6.17	0.41	108.44	-110.59	18.72	-20.87107.71
13	6	129	2.47	1.17	2.46	1.19	0.12	310.98	-169.86	57.05	84.07240.04
13	6	130	-4.40	-13.35	-4.40	-13.35	3.41e-03	192.86	-92.40	48.25	52.21142.62
13	6	131	-0.86	-13.22	-0.87	-13.21	-0.40	629.89	-63.46	108.06	458.37299.17
13	6	133	1.46	-1.40	-1.34	1.40	0.43	178.72	-180.20	27.24	-28.73177.26
13	6	134	1.83	0.20	0.38	1.65	0.51	194.34	-263.88	42.10	-111.64215.83
13	6	157	1.33	-2.14	-1.23	0.41	1.53	34.68	13.92	15.12	33.49 -4.84
13	6	158	1.30	-0.83	-0.76	1.23	0.38	29.28	-167.78	-166.29	27.78 17.08
13	6	159	5.11	-0.96	3.51	0.64	2.68	48.10	-8.99	32.69	6.42 25.35
13	7	1	0.14	-2.09	0.14	-2.09	-1.49e-02	42.54	-90.71	2.96	-51.12 60.89
13	7	7	0.91	0.21	0.21	0.91	1.22e-02	5.92	-43.57	-19.52	-18.14 24.73
13	7	127	1.40	0.41	0.47	1.34	0.24	26.98	-10.14	17.88	-1.04 15.97
13	7	128	1.06	-6.72e-02	-5.68e-02	1.05	0.11	23.49	-24.88	6.73	-8.12 23.02
13	7	129	0.42	0.19	0.40	0.21	5.73e-02	60.36	-34.70	9.64	16.02 47.42
13	7	130	-0.78	-2.30	-0.78	-2.30	5.42e-02	55.29	-13.37	13.35	28.56 33.48
13	7	131	-0.17	-2.23	-0.17	-2.23	9.65e-03	145.15	-10.62	25.63	108.91 65.82
13	7	133	0.29	-0.27	-0.23	0.26	0.13	40.73	-36.19	7.71	-3.17 38.07
13	7	134	0.43	3.00e-02	0.13	0.33	0.17	49.83	-52.10	13.00	-15.27 48.97
13	7	157	0.25	-0.37	-0.21	8.29e-02	0.27	6.40	5.84	6.25	5.99 -0.24
13	7	158	0.22	-0.17	-0.16	0.20	7.35e-02	3.73	-31.21	-30.79	3.31 3.84
13	7	159	0.91	-0.15	0.62	0.14	0.47	9.66	0.91	8.79	1.78 2.62

13	8	1	0.92	-8.94	0.92	-8.93	-0.19	155.12	-394.72	17.57	-257.17	238.14
13	8	7	3.92	0.94	0.94	3.92	-4.15e-02	14.03	-163.82	-82.71	-67.07	88.58
13	8	127	6.16	1.67	1.82	6.01	0.80	99.25	-17.46	59.02	22.78	55.47
13	8	128	4.66	-0.30	-0.28	4.64	0.32	82.90	-84.82	15.12	-17.05	82.30
13	8	129	1.85	0.88	1.84	0.89	0.10	235.80	-129.31	42.83	63.66	182.26
13	8	130	-3.31	-10.03	-3.31	-10.03	1.86e-02	151.38	-68.49	37.78	45.12	109.87
13	8	131	-0.65	-9.93	-0.66	-9.92	-0.28	484.45	-47.60	83.33	353.53	229.17
13	8	133	1.11	-1.06	-1.01	1.06	0.34	137.32	-137.00	21.38	-21.06	135.51
13	8	134	1.41	0.15	0.30	1.26	0.41	150.96	-200.32	33.37	-82.73	165.77
13	8	157	1.00	-1.61	-0.92	0.32	1.15	26.11	11.58	12.46	25.24	-3.46
13	8	158	0.97	-0.63	-0.58	0.92	0.29	21.61	-126.80	-125.64	20.44	13.11
13	8	159	3.85	-0.72	2.64	0.49	2.01	36.45	-5.90	25.52	5.03	18.53
13	9	1	0.14	-2.09	0.14	-2.09	-1.49e-02	42.54	-90.71	2.96	-51.12	60.89
13	9	7	0.91	0.21	0.21	0.91	1.22e-02	5.92	-43.57	-19.52	-18.14	24.73
13	9	127	1.40	0.41	0.47	1.34	0.24	26.98	-10.14	17.88	-1.04	15.97
13	9	128	1.06	-6.72e-02	-5.68e-02	1.05	0.11	23.49	-24.88	6.73	-8.12	23.02
13	9	129	0.42	0.19	0.40	0.21	5.73e-02	60.36	-34.70	9.64	16.02	47.42
13	9	130	-0.78	-2.30	-0.78	-2.30	5.42e-02	55.29	-13.37	13.35	28.56	33.48
13	9	131	-0.17	-2.23	-0.17	-2.23	9.65e-03	145.15	-10.62	25.63	108.91	65.82
13	9	133	0.29	-0.27	-0.23	0.26	0.13	40.73	-36.19	7.71	-3.17	38.07
13	9	134	0.43	3.00e-02	0.13	0.33	0.17	49.83	-52.10	13.00	-15.27	48.97
13	9	157	0.25	-0.37	-0.21	8.29e-02	0.27	6.40	5.84	6.25	5.99	-0.24
13	9	158	0.22	-0.17	-0.16	0.20	7.35e-02	3.73	-31.21	-30.79	3.31	3.84
13	9	159	0.91	-0.15	0.62	0.14	0.47	9.66	0.91	8.79	1.78	2.62
13	10	1	0.81	-7.96	0.80	-7.96	-0.17	138.98	-351.24	15.48	-227.73	212.82
13	10	7	3.49	0.84	0.84	3.49	-3.38e-02	12.87	-146.63	-73.69	-60.08	79.46
13	10	127	5.48	1.49	1.62	5.35	0.72	88.87	-16.35	53.14	19.37	49.83
13	10	128	4.14	-0.26	-0.24	4.13	0.29	74.39	-76.24	13.92	-15.77	73.83
13	10	129	1.64	0.79	1.63	0.80	9.66e-02	210.73	-115.79	38.08	56.85	162.99
13	10	130	-2.95	-8.93	-2.95	-8.93	2.37e-02	137.57	-60.53	34.29	42.75	98.96
13	10	131	-0.58	-8.83	-0.59	-8.82	-0.24	435.98	-42.31	75.09	318.58	205.83
13	10	133	0.99	-0.95	-0.90	0.94	0.31	123.52	-122.59	19.43	-18.50	121.59
13	10	134	1.27	0.14	0.28	1.12	0.37	136.51	-179.13	30.46	-73.09	149.08
13	10	157	0.89	-1.43	-0.82	0.28	1.02	23.26	10.80	11.57	22.49	-3.00
13	10	158	0.86	-0.57	-0.52	0.82	0.26	19.05	-113.15	-112.09	17.99	11.79
13	10	159	3.43	-0.63	2.35	0.44	1.79	32.57	-4.88	23.13	4.56	16.26
13	11	1	4.08	-25.85	3.86	-25.63	2.59	406.64	-896.32	-134.29	-355.40	642.03
13	11	7	9.62	2.20	2.33	9.49	0.98	266.30	-306.27	-160.63	120.66	249.36
13	11	127	14.71	1.08	1.28	14.51	1.65	255.68	-9.08	167.11	79.49	124.92
13	11	128	11.46	-1.65	-1.61	11.42	0.71	311.41	-125.79	78.47	107.15	218.13
13	11	129	7.12	0.48	6.39	1.20	2.08	425.70	-540.66	-75.52	-39.44	482.84
13	11	130	-9.15	-28.82	-9.27	-28.70	-1.56	764.25	-168.77	214.49	381.00	459.02
13	11	131	-1.22	-27.98	-1.41	-27.78	-2.29	1578.29	-210.99	288.97	1078.33	802.87
13	11	133	2.16	-3.31	-3.21	2.07	-0.71	319.29	-567.43	29.80	-277.94	415.80
13	11	134	3.08	-5.58	-2.19	-0.31	-4.23	358.05	-719.08	45.44	-406.47	488.87
13	11	157	0.78	-3.14	-2.58	0.22	1.37	35.38	-13.46	-0.25	22.17	21.69
13	11	158	1.93	-2.33	-2.30	1.91	-0.32	-25.18	-289.13	-282.98	-31.34	-39.83
13	11	159	9.60	-0.88	5.67	3.04	5.07	100.40	5.13	71.01	34.52	44.00
13	12	1	9.92	-34.86	9.87	-34.81	1.52	257.14	-876.88	-67.47	-552.27	512.58
13	12	7	7.52	3.89	3.89	7.52	-8.61e-02	141.80	-229.24	-145.92	58.48	154.83
13	12	127	17.65	-1.35	-1.35	17.65	0.18	175.97	-22.21	97.91	55.85	96.83
13	12	128	12.00	-2.77	-2.71	11.95	-0.90	198.75	-103.25	28.59	66.91	149.78
13	12	129	11.58	4.99e-02	11.30	0.33	1.78	411.78	-492.95	-54.34	-26.83	452.15
13	12	130	-11.65	-40.74	-12.04	-40.35	-3.35	331.77	-259.14	74.51	-1.88	292.97
13	12	131	-0.36	-40.29	-1.00	-39.65	-5.01	908.10	-193.79	165.21	549.10	516.43
13	12	133	1.43	-6.28	-4.43	-0.42	-3.30	174.41	-473.22	-14.13	-284.68	294.20
13	12	134	4.61	-14.72	-5.36	-4.75	-9.66	159.92	-760.49	21.25	-621.82	329.25
13	12	157	-0.60	-3.20	-3.07	-0.73	0.56	20.47	-38.77	-28.20	9.90	22.69
13	12	158	2.50	-0.90	-0.90	2.50	-6.25e-03	-14.33	-186.69	-184.19	-16.83	-20.60
13	12	159	9.17	-3.11	4.61	1.45	5.93	66.76	-2.39	37.72	26.65	34.13
13	13	1	19.02	-8.39	-8.26	18.90	-1.85	184.56	10.66	98.42	96.80	-86.95
13	13	7	-0.54	-2.22	-2.21	-0.55	1.84e-02	-1.36	-178.74	-1.46	-178.65	4.09
13	13	127	4.73	-7.09	4.60	-6.96	1.26	8.68	-17.41	8.37	-17.10	2.82
13	13	128	2.57	-4.04	2.22	-3.70	1.48	-0.70	-98.50	-0.74	-98.45	-2.11
13	13	129	1.52	-8.29	-8.03	1.26	-1.58	261.79	9.26	130.51	140.54	-126.16
13	13	130	23.17	5.46	6.13	22.50	3.39	146.61	-65.16	-5.93	87.38	-95.05
13	13	131	22.90	-1.07	-0.18	22.01	4.54	153.28	-80.25	-15.04	88.07	-104.76
13	13	133	6.39	-1.45	2.64	2.31	3.91	260.24	40.43	52.99	247.67	-51.03
13	13	134	16.87	-3.97	5.91	6.99	10.41	477.85	37.47	39.68	475.65	-31.08
13	13	157	2.85	-0.12	1.43	1.30	1.49	73.03	13.39	51.34	35.08	-28.69

13	13	158	0.13	-1.14	-0.14	-0.87	0.52	70.48	-57.65	-39.99	52.81	44.17
13	13	159	2.13	-2.61	9.57e-02	-0.57	-2.35	8.64	-17.62	8.54	-17.52	-1.62
13	14	1	10.39	-2.92	-2.25	9.71	-2.92	286.41	-221.23	165.24	-100.07	-216.39
13	14	7	-0.19	-2.98	-0.66	-2.51	-1.05	42.17	-269.72	13.26	-240.82	-90.44
13	14	127	1.97	-3.83	1.96	-3.82	-0.20	-23.59	-77.97	-60.83	-40.74	-25.27
13	14	128	1.12	-3.18	1.12	-3.17	-0.13	-11.56	-177.74	-50.62	-138.69	-70.46
13	14	129	1.21	-3.94	-3.12	0.39	-1.88	309.28	-4.44	151.69	153.15	-156.86
13	14	130	11.17	3.03	3.37	10.84	1.61	50.90	-492.30	-145.91	-295.49	-261.10
13	14	131	10.46	-8.45e-02	0.23	10.14	1.81	129.43	-709.38	-138.80	-441.16	-391.21
13	14	133	2.17	-0.94	1.42	-0.18	1.33	332.95	-82.95	9.06	240.94	-172.63
13	14	134	7.63	-2.32	2.75	2.56	4.98	364.49	-88.72	15.49	260.29	-190.70
13	14	157	1.39	-0.11	0.94	0.34	0.68	50.80	-4.60	23.39	22.81	-27.70
13	14	158	1.62	-0.64	1.26	-0.27	0.83	126.60	-0.48	58.81	67.32	63.40
13	14	159	3.63e-02	-3.16	-0.97	-2.16	-1.48	-13.59	-36.56	-24.76	-25.39	-11.48
13	15	1	4.29	-26.10	4.06	-25.87	2.59	410.11	-903.63	-133.09	-360.43	646.96
13	15	7	9.59	2.25	2.37	9.47	0.94	263.19	-306.10	-159.90	116.99	248.71
13	15	127	14.70	0.93	1.10	14.53	1.52	254.68	-7.73	168.27	78.67	123.32
13	15	128	11.46	-1.69	-1.66	11.42	0.66	310.49	-125.81	79.70	104.98	217.78
13	15	129	7.23	0.35	6.56	1.02	2.03	424.29	-538.84	-75.02	-39.54	481.24
13	15	130	-9.26	-29.11	-9.33	-29.05	-1.10	766.55	-171.59	215.48	379.47	461.85
13	15	131	-1.19	-28.38	-1.41	-28.16	-2.41	1587.01	-213.89	291.97	1081.15	809.39
13	15	133	2.11	-3.37	-3.24	1.99	-0.82	303.11	-609.91	30.40	-337.21	417.87
13	15	134	3.16	-5.96	-2.33	-0.46	-4.46	324.86	-813.85	45.48	-534.47	489.98
13	15	157	0.73	-3.11	-2.56	0.18	1.34	35.15	-13.61	-0.22	21.77	21.76
13	15	158	1.94	-2.30	-2.28	1.92	-0.30	-24.97	-285.43	-279.66	-30.74	-38.33
13	15	159	9.55	-0.90	5.70	2.96	5.04	100.06	5.60	71.35	34.31	43.44
13	16	1	9.71	-34.62	9.66	-34.56	1.51	253.27	-869.18	-68.67	-547.24	507.65
13	16	7	7.54	3.85	3.85	7.54	-5.11e-02	145.02	-229.53	-146.65	62.14	155.48
13	16	127	17.63	-1.18	-1.17	17.63	0.31	177.16	-23.75	96.75	56.67	98.44
13	16	128	11.99	-2.71	-2.66	11.95	-0.85	199.79	-103.36	27.35	69.08	150.13
13	16	129	11.43	0.22	11.12	0.52	1.82	413.18	-494.77	-54.85	-26.73	453.76
13	16	130	-11.48	-40.51	-11.99	-40.00	-3.80	329.07	-255.91	73.52	-0.35	290.15
13	16	131	-0.39	-39.89	-1.00	-39.27	-4.89	899.11	-190.62	162.22	546.27	509.91
13	16	133	1.41	-6.15	-4.40	-0.34	-3.19	190.47	-430.62	-14.74	-225.41	292.14
13	16	134	4.53	-14.34	-5.21	-4.59	-9.43	180.81	-653.42	21.21	-493.82	328.14
13	16	157	-0.56	-3.23	-3.09	-0.69	0.58	20.74	-38.67	-28.23	10.29	22.62
13	16	158	2.49	-0.92	-0.92	2.49	-2.50e-02	-14.60	-190.33	-187.51	-17.42	-22.10
13	16	159	9.22	-3.10	4.59	1.53	5.97	67.21	-2.96	37.38	26.87	34.69
13	17	1	18.78	-8.18	-8.05	18.65	-1.84	177.81	13.59	99.63	91.78	-82.02
13	17	7	-0.56	-2.18	-2.18	-0.56	-1.65e-02	-0.65	-182.37	-0.72	-182.31	3.44
13	17	127	4.53	-7.05	4.42	-6.94	1.13	9.59	-17.98	9.54	-17.92	1.22
13	17	128	2.50	-4.02	2.17	-3.69	1.43	0.55	-100.68	0.49	-100.62	-2.46
13	17	129	1.36	-8.14	-7.86	1.07	-1.63	263.59	7.87	131.02	140.44	-127.77
13	17	130	23.02	5.20	6.08	22.14	3.85	143.25	-62.33	-4.94	85.86	-92.22
13	17	131	22.49	-1.04	-0.18	21.63	4.41	150.33	-71.49	-12.05	90.89	-98.25
13	17	133	6.23	-1.40	2.61	2.23	3.81	204.31	37.69	53.60	188.41	-48.96
13	17	134	16.49	-3.88	5.77	6.84	10.17	350.53	36.82	39.71	347.64	-29.97
13	17	157	2.82	-0.12	1.45	1.25	1.47	72.84	13.21	51.37	34.68	-28.62
13	17	158	0.16	-1.14	-0.12	-0.86	0.54	72.51	-55.77	-36.66	53.41	45.67
13	17	159	2.14	-2.67	0.12	-0.65	-2.38	9.05	-17.91	8.88	-17.74	-2.17
13	18	1	10.62	-3.11	-2.46	9.96	-2.93	290.95	-221.95	164.04	-95.04	-221.32
13	18	7	-0.24	-2.95	-0.70	-2.49	-1.01	41.46	-266.10	12.53	-237.16	-89.79
13	18	127	2.15	-3.84	2.15	-3.84	-7.32e-02	-24.84	-77.07	-61.99	-39.92	-23.67
13	18	128	1.17	-3.18	1.17	-3.17	-8.33e-02	-12.29	-176.09	-51.86	-136.52	-70.11
13	18	129	1.31	-4.03	-3.30	0.58	-1.84	307.47	-3.04	151.18	153.24	-155.25
13	18	130	11.36	3.25	3.42	11.19	1.15	53.54	-494.42	-146.91	-293.97	-263.93
13	18	131	10.87	-0.12	0.23	10.52	1.93	132.57	-718.35	-141.80	-443.98	-397.73
13	18	133	2.31	-0.96	1.45	-0.10	1.44	381.92	-73.26	8.46	300.20	-174.69
13	18	134	8.01	-2.41	2.89	2.71	5.21	469.35	-65.61	15.45	388.29	-191.81

13	18	157	1.41	-0.10	0.92	0.38	0.71	51.05	-4.48	23.36	23.21	-27.76
13	18	158	1.59	-0.63	1.24	-0.29	0.81	123.26	-1.05	55.48	66.73	61.90
13	18	159	1.79e-02	-3.08	-0.99	-2.08	-1.45	-14.21	-36.07	-25.10	-25.18	-10.93
13	19	1	4.34	-26.32	4.12	-26.09	2.62	403.79	-904.60	-138.21	-362.60	644.51
13	19	7	9.37	2.23	2.37	9.23	1.00	263.13	-322.50	-163.55	104.18	260.43
13	19	127	14.68	0.89	1.06	14.51	1.52	251.90	-8.36	166.96	76.58	122.03
13	19	128	11.33	-1.86	-1.83	11.30	0.64	305.00	-127.85	79.21	97.94	216.22
13	19	129	7.32	0.46	6.63	1.15	2.06	420.84	-540.51	-77.92	-41.75	480.34
13	19	130	-9.28	-29.37	-9.41	-29.23	-1.64	762.09	-171.41	215.06	375.62	459.79
13	19	131	-1.21	-28.51	-1.43	-28.29	-2.43	1579.23	-212.39	291.54	1075.30	805.55
13	19	133	2.12	-3.40	-3.28	2.00	-0.79	328.96	-564.11	49.21	-284.36	414.22
13	19	134	3.18	-6.04	-2.38	-0.48	-4.51	352.49	-725.08	45.02	-417.61	486.61
13	19	157	0.68	-3.13	-2.60	0.15	1.32	35.66	-10.74	2.24	22.68	20.83
13	19	158	1.89	-2.33	-2.30	1.86	-0.30	-23.45	-287.32	-282.61	-28.17	-34.97
13	19	159	9.54	-0.86	5.57	3.10	5.05	98.48	4.50	70.26	32.71	43.07
13	20	1	10.19	-35.33	10.14	-35.27	1.55	254.52	-885.38	-71.39	-559.47	515.06
13	20	7	7.26	3.93	3.93	7.26	-6.80e-02	137.97	-244.80	-148.83	42.00	165.91
13	20	127	17.65	-1.57	-1.57	17.65	4.98e-02	171.93	-21.23	97.76	52.94	93.94
13	20	128	11.89	-3.00	-2.94	11.83	-0.97	192.07	-105.03	29.33	57.71	147.87
13	20	129	11.81	6.90e-03	11.54	0.28	1.77	406.92	-492.79	-56.73	-29.14	449.65
13	20	130	-11.78	-41.29	-12.18	-40.89	-3.42	330.53	-262.70	75.08	-7.25	293.75
13	20	131	-0.34	-40.83	-1.01	-40.16	-5.16	909.41	-195.56	167.78	546.07	519.10
13	20	133	1.43	-6.41	-4.50	-0.49	-3.37	185.09	-470.91	5.28	-291.10	292.62
13	20	134	4.71	-15.18	-5.55	-4.92	-9.94	156.29	-768.43	20.83	-632.97	326.98
13	20	157	-0.70	-3.20	-3.09	-0.81	0.52	20.68	-35.97	-25.71	10.41	21.82
13	20	158	2.46	-0.90	-0.90	2.46	8.89e-03	-12.22	-185.26	-183.82	-13.67	-15.74
13	20	159	9.12	-3.09	4.51	1.51	5.92	64.66	-2.85	36.97	24.85	33.21
13	21	1	19.49	-8.65	-8.53	19.36	-1.88	192.60	13.75	102.35	104.00	-89.42
13	21	7	-0.29	-2.25	-2.25	-0.29	4.14e-04	1.75	-162.47	1.46	-162.17	-6.99
13	21	127	4.98	-7.12	4.82	-6.96	1.39	9.88	-15.55	8.52	-14.19	5.71
13	21	128	2.82	-3.95	2.45	-3.58	1.54	-1.49	-89.25	-1.49	-89.25	-0.20
13	21	129	1.57	-8.52	-8.27	1.31	-1.57	261.63	14.12	132.90	142.85	-123.66
13	21	130	23.72	5.58	6.27	23.03	3.47	151.04	-64.79	-6.50	92.76	-95.82
13	21	131	23.45	-1.10	-0.17	22.52	4.68	157.15	-83.66	-17.61	91.10	-107.44
13	21	133	6.53	-1.45	2.70	2.37	3.99	264.67	23.00	33.58	254.09	-49.44
13	21	134	17.34	-4.07	6.10	7.17	10.69	488.64	38.24	40.09	486.79	-28.81
13	21	157	2.94	-0.12	1.45	1.37	1.53	70.43	12.98	48.85	34.57	-27.82
13	21	158	0.12	-1.09	-0.14	-0.83	0.50	64.40	-55.11	-40.36	49.65	39.31
13	21	159	2.15	-2.58	0.20	-0.63	-2.33	9.30	-15.74	9.29	-15.72	-0.69
13	22	1	10.83	-3.16	-2.51	10.18	-2.95	293.24	-216.94	169.17	-92.87	-218.87
13	22	7	-0.16	-2.79	-0.70	-2.25	-1.06	53.29	-261.46	16.18	-224.34	-101.51
13	22	127	2.18	-3.82	2.18	-3.82	-7.37e-02	-24.13	-74.38	-60.68	-37.83	-22.38
13	22	128	1.34	-3.05	1.34	-3.05	-6.38e-02	-11.52	-169.32	-51.36	-129.49	-68.55
13	22	129	1.21	-4.13	-3.36	0.44	-1.87	309.12	0.42	154.08	155.46	-154.35
13	22	130	11.72	3.16	3.51	11.38	1.68	53.24	-489.84	-146.49	-290.11	-261.87
13	22	131	11.01	-0.11	0.25	10.65	1.95	131.16	-710.66	-141.37	-438.13	-393.89
13	22	133	2.31	-0.93	1.49	-0.12	1.41	332.65	-95.64	-10.35	247.36	-171.04
13	22	134	8.09	-2.42	2.94	2.73	5.26	371.34	-84.00	15.90	271.44	-188.44
13	22	157	1.47	-9.14e-02	0.96	0.42	0.73	48.44	-5.24	20.90	22.30	-26.83
13	22	158	1.62	-0.59	1.26	-0.23	0.81	119.90	2.69	58.43	64.16	58.54
13	22	159	7.15e-02	-3.16	-0.87	-2.22	-1.47	-13.24	-34.35	-24.01	-23.58	-10.56
13	23	1	4.55	-26.56	4.33	-26.34	2.63	407.28	-911.91	-137.01	-367.63	649.44
13	23	7	9.34	2.28	2.41	9.21	0.96	260.09	-322.39	-162.81	100.52	259.78
13	23	127	14.67	0.74	0.88	14.53	1.39	250.92	-7.04	168.12	75.76	120.43
13	23	128	11.33	-1.91	-1.88	11.30	0.59	304.12	-127.90	80.45	95.77	215.87
13	23	129	7.44	0.33	6.80	0.96	2.02	419.43	-538.69	-77.41	-41.85	478.73
13	23	130	-9.40	-29.66	-9.46	-29.59	-1.18	764.40	-174.25	216.06	374.10	462.62
13	23	131	-1.19	-28.91	-1.42	-28.67	-2.56	1587.97	-215.31	294.54	1078.12	812.07
13	23	133	2.07	-3.46	-3.31	1.92	-0.89	313.52	-607.33	49.82	-343.63	416.28
13	23	134	3.26	-6.42	-2.52	-0.63	-4.74	319.88	-820.45	45.06	-545.62	487.71
13	23	157	0.63	-3.11	-2.58	0.10	1.30	35.44	-10.89	2.27	22.28	20.90
13	23	158	1.89	-2.30	-2.28	1.88	-0.28	-23.20	-283.66	-279.28	-27.58	-33.47
13	23	159	9.50	-0.88	5.60	3.02	5.02	98.14	4.96	70.60	32.50	42.52

13	24	1	9.98	-35.08	9.93	-35.03	1.54	250.64	-877.68	-72.59	-554.44	510.13
13	24	7	7.28	3.89	3.89	7.28	-3.31e-02	141.10	-245.00	-149.56	45.67	166.56
13	24	127	17.63	-1.39	-1.39	17.63	0.18	173.09	-22.74	96.60	53.76	95.54
13	24	128	11.88	-2.94	-2.89	11.83	-0.92	193.06	-105.08	28.10	59.88	148.22
13	24	129	11.66	0.17	11.36	0.47	1.81	408.33	-494.61	-57.24	-29.05	451.25
13	24	130	-11.60	-41.06	-12.12	-40.54	-3.88	327.82	-259.46	74.09	-5.73	290.92
13	24	131	-0.37	-40.42	-1.01	-39.78	-5.03	900.42	-192.38	164.79	543.25	512.58
13	24	133	1.41	-6.28	-4.47	-0.41	-3.27	200.12	-427.27	4.68	-231.83	290.55
13	24	134	4.63	-14.80	-5.40	-4.77	-9.71	176.60	-660.77	20.79	-504.97	325.87
13	24	157	-0.65	-3.23	-3.11	-0.77	0.54	20.94	-35.87	-25.74	10.81	21.75
13	24	158	2.45	-0.92	-0.92	2.45	-9.90e-03	-12.56	-188.84	-187.14	-14.26	-17.24
13	24	159	9.16	-3.08	4.49	1.59	5.95	65.10	-3.41	36.63	25.06	33.76
13	25	1	19.24	-8.44	-8.32	19.11	-1.87	185.79	16.74	103.55	98.98	-84.49
13	25	7	-0.30	-2.22	-2.22	-0.30	-3.45e-02	2.54	-166.18	2.19	-165.83	-7.64
13	25	127	4.77	-7.08	4.64	-6.94	1.26	10.35	-15.68	9.69	-15.01	4.11
13	25	128	2.75	-3.93	2.40	-3.58	1.50	-0.25	-91.42	-0.25	-91.42	-0.55
13	25	129	1.40	-8.37	-8.10	1.13	-1.61	263.43	12.73	133.41	142.76	-
125.26												
13	25	130	23.57	5.33	6.22	22.68	3.93	147.69	-61.96	-5.51	91.24	-93.00
13	25	131	23.04	-1.06	-0.17	22.14	4.56	154.24	-74.93	-14.61	93.92	-
100.92												
13	25	133	6.37	-1.40	2.68	2.29	3.88	207.76	21.25	34.18	194.83	-47.37
13	25	134	16.95	-3.98	5.96	7.01	10.45	361.18	37.74	40.13	358.79	-27.70
13	25	157	2.91	-0.11	1.47	1.33	1.51	70.24	12.81	48.87	34.17	-27.76
13	25	158	0.16	-1.10	-0.12	-0.82	0.52	66.35	-53.14	-37.04	50.24	40.81
13	25	159	2.16	-2.65	0.22	-0.71	-2.36	9.69	-15.99	9.63	-15.93	-1.25
13	26	1	11.06	-3.35	-2.72	10.42	-2.96	297.83	-217.71	167.97	-87.84	-
223.80												
13	26	7	-0.21	-2.76	-0.74	-2.23	-1.03	52.66	-257.90	15.44	-220.68	-
100.86												
13	26	127	2.37	-3.84	2.36	-3.84	5.70e-02	-25.22	-73.63	-61.84	-37.01	-20.77
13	26	128	1.39	-3.05	1.39	-3.05	-1.55e-02	-12.19	-167.72	-52.60	-127.31	-68.20
13	26	129	1.32	-4.23	-3.54	0.63	-1.83	307.31	1.82	153.58	155.56	-
152.74												
13	26	130	11.91	3.38	3.56	11.73	1.23	55.91	-491.98	-147.48	-288.59	-
264.70												
13	26	131	11.42	-0.14	0.25	11.03	2.08	134.32	-719.64	-144.36	-440.96	-
400.40												
13	26	133	2.44	-0.96	1.52	-3.70e-02	1.51	382.74	-87.07	-10.95	306.62	-
173.11												
13	26	134	8.47	-2.51	3.08	2.88	5.49	477.30	-61.99	15.87	399.44	-
189.55												
13	26	157	1.49	-8.93e-02	0.94	0.46	0.75	48.70	-5.13	20.87	22.70	-26.90
13	26	158	1.59	-0.59	1.24	-0.24	0.79	116.54	2.14	55.11	63.56	57.04
13	26	159	5.13e-02	-3.08	-0.89	-2.14	-1.44	-13.85	-33.87	-24.35	-23.37	-10.00
13	27	1	1.27	-8.00	-7.40	0.67	2.28	494.96	-593.20	-130.80	32.56	537.91
13	27	7	8.64	-1.44	-1.07	8.27	1.88	276.50	-310.16	-122.09	88.44	273.79
13	27	127	7.83	1.02	5.52	3.34	3.23	262.22	3.33	192.29	73.26	114.95
13	27	128	6.91	-0.36	1.03	5.52	2.85	316.72	-125.66	108.93	82.13	220.78
13	27	129	2.43	-4.58	-4.39	2.24	1.14	296.41	-315.70	-28.13	8.84	305.50
13	27	130	3.93	-1.76	-0.65	2.82	2.26	1018.27	7.31	300.66	724.91	458.82
13	27	131	5.13	-3.10	-1.47	3.49	3.28	1803.79	-127.66	326.96	1349.17	819.39
13	27	133	7.25	-1.94	0.25	5.05	3.92	405.43	-402.38	89.17	-86.11	394.28
13	27	134	13.27	-1.51	4.34	7.42	7.23	607.40	-382.24	71.64	153.52	493.12
13	27	157	3.17	-2.06	-0.61	1.71	2.34	51.24	40.17	50.42	41.00	2.90
13	27	158	0.28	-3.23	-3.18	0.24	-0.39	-15.19	-316.81	-313.19	-18.81	-32.85
13	27	159	5.91	2.68	4.96	3.63	1.47	107.14	6.33	87.99	25.48	39.54
13	28	1	12.69	-29.98	12.65	-29.94	-1.28	107.43	-639.18	91.94	-623.69	106.42
13	28	7	4.96	0.86	4.11	1.71	-1.66	-48.71	-143.13	-73.03	-118.81	-41.29
13	28	127	13.96	-3.43	-3.26	13.79	-1.67	4.96	-48.88	-38.38	-5.53	21.33
13	28	128	7.86	-3.26	-2.67	7.27	-2.51	-47.13	-62.18	-57.32	-51.99	-7.04
13	28	129	11.98	-0.67	11.98	-0.67	0.15	249.91	-156.55	42.49	50.87	203.19
13	28	130	-9.36	-36.55	-9.88	-36.03	-3.70	-143.95	-573.33	-165.96	-551.33	-94.67
13	28	131	0.83	-36.99	-8.15e-02	-36.07	-5.81	-37.04	-463.47	-85.58	-414.93	-
135.43												
13	28	133	1.18	-8.22	-3.80	-3.24	-4.69	-54.98	-110.85	-57.26	-108.57	-11.05
13	28	134	4.10	-17.68	-6.21	-7.37	-10.87	-6.27	-567.06	-8.99	-564.34	-38.97
13	28	157	-1.35	-2.36	-2.24	-1.47	-0.33	0.99	-43.63	-42.75	0.11	6.21
13	28	158	2.61	1.12	1.49	2.23	0.65	54.77	-9.11	16.12	29.55	31.22
13	28	159	4.49	-4.73	1.42	-1.66	4.35	1.10	-24.83	-23.00	-0.74	6.66
13	29	1	14.06	-11.07	-11.04	14.03	0.95	392.79	-285.55	-60.98	168.22	319.22
13	29	7	5.58	-2.75	-2.44	5.26	1.60	165.66	-241.36	-74.34	-1.36	200.21

13	29	127	7.43	-4.02	6.51	-3.10	3.11	187.50	1.45	144.67	44.28	78.32
13	29	128	4.72	-1.56	2.18	0.98	3.08	210.86	-105.25	85.17	20.45	154.71
13	29	129	2.26	-8.71	-8.71	2.26	4.29e-02	171.92	-75.40	33.68	62.83	122.80
13	29	130	19.10	3.05	3.97	18.18	3.74	790.75	80.62	234.53	636.83	292.59
13	29	131	19.79	-2.46	-1.10	18.43	5.33	1326.51	-38.66	235.75	1052.09	547.10
13	29	133	9.10	-1.97	2.01	5.13	5.31	338.37	-170.68	96.12	71.57	254.23
13	29	134	19.90	-3.52	6.77	9.61	11.62	623.48	-135.41	69.91	418.16	337.14
13	29	157	3.80	-1.17	0.60	2.04	2.38	71.49	39.27	65.89	44.87	-12.21
13	29	158	-0.58	-2.54	-2.53	-0.59	-0.14	6.68	-240.53	-240.29	6.44	-7.65
13	29	159	3.76	2.07	3.29	2.55	-0.76	78.93	0.18	69.25	9.87	25.86
13	30	1	9.28	-16.85	9.01	-16.58	-2.62	180.61	-506.88	161.75	-488.03	-112.28
13	30	7	3.53	-2.09	2.74	-1.30	-1.95	30.02	-263.90	-25.28	-208.60	-114.87
13	30	127	7.67	-2.59	-2.27	7.35	-1.78	-30.31	-90.21	-86.00	-34.51	-15.30
13	30	128	3.72	-2.51	-1.52	2.73	-2.28	-22.47	-172.29	-81.08	-113.67	-73.11
13	30	129	7.76	-0.76	7.66	-0.65	-0.95	125.07	84.09	104.30	104.87	20.49
13	30	130	-4.94	-20.99	-5.25	-20.68	-2.21	-104.77	-766.72	-232.08	-639.41	-260.89
13	30	131	0.93	-21.77	0.29	-21.13	-3.76	43.31	-932.10	-176.78	-712.00	-407.73
13	30	133	0.74	-5.96	-2.04	-3.17	-3.30	158.47	-159.67	-50.30	49.11	-151.10
13	30	134	2.04	-11.00	-3.78	-5.17	-6.48	87.45	-397.87	-10.72	-299.70	-194.95
13	30	157	-0.79	-1.39	-1.03	-1.15	-0.29	6.34	-29.64	-27.28	3.98	-8.91
13	30	158	2.74	0.79	2.14	1.39	0.90	130.86	12.94	89.01	54.79	56.42
13	30	159	0.96	-3.96	-0.25	-2.75	2.12	-14.54	-43.55	-41.74	-16.35	-7.03
13	31	1	1.15	-7.94	-7.32	0.53	2.29	493.95	-595.53	-131.97	30.40	538.66
13	31	7	8.56	-1.43	-1.06	8.19	1.89	275.98	-315.45	-122.97	83.49	277.11
13	31	127	7.75	1.04	5.45	3.34	3.19	261.18	3.44	192.24	72.39	114.09
13	31	128	6.85	-0.40	0.96	5.48	2.83	314.97	-126.45	109.15	79.37	220.21
13	31	129	2.42	-4.51	-4.32	2.23	1.14	294.96	-315.66	-28.84	8.15	304.75
13	31	130	3.78	-1.81	-0.69	2.66	2.23	1017.38	6.75	300.83	723.30	459.05
13	31	131	4.97	-3.10	-1.47	3.34	3.24	1803.96	-127.97	327.73	1348.26	820.19
13	31	133	7.21	-1.94	0.23	5.03	3.90	407.77	-400.82	94.99	-88.04	393.80
13	31	134	13.14	-1.48	4.28	7.37	7.15	604.86	-383.16	71.52	150.18	492.44
13	31	157	3.14	-2.06	-0.61	1.69	2.33	51.82	40.49	51.16	41.15	2.64
13	31	158	0.27	-3.23	-3.18	0.23	-0.38	-14.56	-316.38	-313.08	-17.86	-31.40
13	31	159	5.89	2.69	4.93	3.65	1.46	106.64	6.07	87.77	24.94	39.27
13	32	1	12.77	-30.12	12.73	-30.08	-1.27	106.44	-641.53	90.76	-625.85	107.16
13	32	7	4.95	0.81	4.12	1.63	-1.66	-53.41	-144.25	-73.91	-123.75	-37.97
13	32	127	13.96	-3.50	-3.33	13.79	-1.71	3.56	-48.40	-38.43	-6.41	20.46
13	32	128	7.83	-3.34	-2.73	7.23	-2.53	-48.22	-63.63	-57.10	-54.75	-7.61
13	32	129	12.06	-0.68	12.05	-0.68	0.15	248.46	-156.51	41.77	50.18	202.44
13	32	130	-9.40	-36.71	-9.92	-36.20	-3.72	-143.97	-574.75	-165.78	-552.94	-94.44
13	32	131	0.84	-37.15	-8.53e-02	-36.22	-5.85	-36.97	-463.68	-84.81	-415.83	-134.63
13	32	133	1.18	-8.26	-3.82	-3.26	-4.71	-49.27	-112.67	-51.44	-110.50	-11.53
13	32	134	4.13	-17.82	-6.27	-7.42	-10.96	-6.31	-570.48	-9.11	-567.68	-39.65
13	32	157	-1.36	-2.38	-2.24	-1.49	-0.34	1.08	-42.83	-42.01	0.26	5.95
13	32	158	2.60	1.11	1.49	2.21	0.65	56.81	-10.09	16.23	30.50	32.68
13	32	159	4.47	-4.73	1.39	-1.65	4.34	0.44	-24.94	-23.22	-1.28	6.38
13	33	1	14.20	-11.15	-11.12	14.17	0.94	393.92	-283.35	-59.81	170.38	318.48
13	33	7	5.65	-2.76	-2.45	5.34	1.59	165.68	-235.56	-73.47	3.59	196.89
13	33	127	7.51	-4.04	6.58	-3.10	3.15	188.47	1.40	144.71	45.15	79.19
13	33	128	4.80	-1.53	2.24	1.02	3.10	212.40	-104.24	84.94	23.21	155.28
13	33	129	2.28	-8.79	-8.79	2.28	4.62e-02	173.37	-75.44	34.40	63.53	123.55
13	33	130	19.27	3.08	4.01	18.34	3.77	791.78	81.02	234.36	638.44	292.36
13	33	131	19.96	-2.46	-1.09	18.58	5.37	1326.43	-38.45	234.98	1053.00	546.29
13	33	133	9.14	-1.97	2.03	5.15	5.33	336.74	-172.95	90.30	73.50	254.71
13	33	134	20.04	-3.54	6.83	9.67	11.70	626.56	-135.02	70.04	421.50	337.82
13	33	157	3.83	-1.17	0.60	2.06	2.39	70.65	39.21	65.14	44.72	-11.95
13	33	158	-0.57	-2.54	-2.53	-0.58	-0.14	5.83	-240.74	-240.40	5.49	-9.11
13	33	159	3.77	2.07	3.32	2.53	-0.75	79.38	0.50	69.47	10.41	26.14
13	34	1	9.20	-16.71	8.93	-16.44	-2.62	182.06	-504.99	162.93	-485.87	-113.02
13	34	7	3.54	-2.02	2.73	-1.22	-1.96	34.30	-262.36	-24.40	-203.66	-118.20
13	34	127	7.66	-2.51	-2.20	7.35	-1.74	-29.92	-89.67	-85.96	-33.64	-14.43
13	34	128	3.75	-2.43	-1.45	2.77	-2.26	-22.07	-170.14	-81.31	-110.91	-72.54
13	34	129	7.69	-0.74	7.58	-0.63	-0.94	126.53	84.04	105.01	105.56	21.24

13	34	130	-4.91	-20.82	-5.21	-20.52	-2.19	-104.41	-765.63	-232.25	-637.80	-261.13
13	34	131	0.92	-21.61	0.29	-20.98	-3.72	43.59	-932.24	-177.55	-711.10	-408.53
13	34	133	0.74	-5.91	-2.02	-3.15	-3.28	157.33	-162.42	-56.13	51.04	-150.63
13	34	134	2.01	-10.86	-3.73	-5.12	-6.40	87.68	-394.63	-10.59	-296.36	-194.27
13	34	157	-0.80	-1.36	-1.03	-1.13	-0.28	6.02	-30.22	-28.02	3.83	-8.65
13	34	158	2.74	0.81	2.14	1.41	0.89	129.07	13.68	88.90	53.84	54.97
13	34	159	0.98	-3.97	-0.22	-2.76	2.13	-14.14	-43.18	-41.51	-15.81	-6.75
13	35	1	0.58	-7.44	-6.71	-0.15	2.31	503.41	-614.40	-126.79	15.80	554.34
13	35	7	8.54	-1.28	-0.95	8.21	1.77	267.04	-310.45	-119.64	76.23	271.63
13	35	127	7.05	1.27	4.91	3.41	2.79	259.68	7.01	196.17	70.53	109.61
13	35	128	6.76	-0.37	0.86	5.52	2.69	314.42	-126.47	113.06	74.89	219.62
13	35	129	1.80	-3.98	-3.80	1.62	1.00	291.70	-309.61	-26.43	8.52	300.15
13	35	130	4.38	-3.58	-0.83	1.64	3.78	1024.24	-0.44	303.97	719.84	468.24
13	35	131	3.80	-3.02	-1.46	2.23	2.87	1831.83	-136.32	336.94	1358.57	841.11
13	35	133	6.73	-1.78	0.16	4.79	3.57	346.55	-539.03	91.18	-283.67	401.17
13	35	134	12.02	-1.24	3.86	6.91	6.45	425.20	-626.59	71.77	-273.16	496.81
13	35	157	3.02	-1.99	-0.54	1.57	2.27	51.35	38.84	50.51	39.67	3.13
13	35	158	0.31	-3.14	-3.11	0.28	-0.32	-14.13	-304.81	-302.11	-16.83	-27.87
13	35	159	5.80	2.60	5.04	3.36	1.37	106.51	7.39	89.13	24.77	37.69
13	36	1	12.00	-29.16	11.95	-29.12	-1.31	99.40	-618.39	87.93	-606.93	89.99
13	36	7	4.78	0.98	3.99	1.77	-1.55	-48.94	-133.15	-75.49	-106.60	-39.13
13	36	127	13.82	-2.75	-2.66	13.73	-1.23	10.64	-55.70	-42.26	-2.80	26.67
13	36	128	7.80	-3.03	-2.50	7.26	-2.35	-42.89	-63.31	-61.45	-44.76	-5.88
13	36	129	11.40	-4.74e-02	11.40	-4.02e-02	0.29	254.60	-162.61	40.79	51.19	208.54
13	36	130	-8.66	-35.89	-9.70	-34.85	-5.22	-142.42	-573.09	-169.26	-546.25	-104.10
13	36	131	0.73	-35.63	-8.95e-02	-34.81	-5.39	-32.52	-487.37	-95.56	-424.33	-157.16
13	36	133	1.02	-7.70	-3.71	-2.97	-4.34	91.12	-61.42	-59.28	88.98	-17.94
13	36	134	3.82	-16.41	-5.74	-6.86	-10.10	3.76	-150.52	-9.11	-137.65	-42.66
13	36	157	-1.27	-2.37	-2.30	-1.33	-0.26	2.22	-43.64	-42.85	1.43	5.99
13	36	158	2.51	1.11	1.42	2.19	0.59	44.86	-12.26	5.04	27.57	26.24
13	36	159	4.63	-4.68	1.34	-1.40	4.45	2.67	-26.83	-24.13	-2.74e-02	8.51
13	37	1	13.25	-10.38	-10.34	13.21	0.97	398.70	-304.22	-56.97	151.46	335.65
13	37	7	5.48	-2.60	-2.31	5.20	1.48	157.46	-242.90	-71.88	-13.56	198.04
13	37	127	6.65	-3.77	5.91	-3.03	2.68	185.54	4.56	148.54	41.55	72.98
13	37	128	4.47	-1.47	2.01	0.99	2.92	209.44	-106.93	89.30	13.21	153.55
13	37	129	1.63	-8.13	-8.13	1.63	-9.34e-02	167.17	-69.28	35.38	62.51	117.45
13	37	130	18.84	1.95	3.79	16.99	5.27	795.37	74.23	237.84	631.76	302.02
13	37	131	18.41	-2.33	-1.09	17.17	4.92	1353.57	-46.33	245.73	1061.50	568.82
13	37	133	8.56	-1.79	1.91	4.86	4.96	270.23	-298.07	98.14	-125.98	261.12
13	37	134	18.63	-3.24	6.29	9.10	10.84	373.84	-312.33	70.04	-8.53	340.83
13	37	157	3.67	-1.11	0.66	1.89	2.31	71.19	38.35	65.99	43.55	-11.99
13	37	158	-0.55	-2.47	-2.47	-0.56	-7.40e-02	8.45	-229.25	-229.22	8.42	-2.67
13	37	159	3.84	1.81	3.36	2.28	-0.86	78.67	0.87	70.38	9.16	24.01
13	38	1	8.60	-16.05	8.32	-15.76	-2.64	183.06	-496.58	157.75	-471.26	-128.71
13	38	7	3.36	-1.97	2.62	-1.24	-1.84	28.70	-252.83	-27.73	-196.39	-112.71
13	38	127	7.48	-1.86	-1.67	7.29	-1.35	-30.12	-91.54	-89.88	-31.78	-9.96
13	38	128	3.63	-2.25	-1.35	2.73	-2.12	-23.09	-168.55	-85.21	-106.44	-71.95
13	38	129	7.16	-0.11	7.07	-2.29e-02	-0.81	129.76	78.02	102.60	105.19	25.84
13	38	130	-4.16	-20.40	-5.07	-19.49	-3.73	-98.91	-770.81	-235.39	-634.33	-270.32
13	38	131	0.82	-20.41	0.28	-19.87	-3.35	51.77	-959.94	-186.76	-721.41	-429.45
13	38	133	0.56	-5.42	-1.95	-2.90	-2.95	314.68	-120.34	-52.32	246.66	-157.99
13	38	134	1.76	-9.73	-3.31	-4.66	-5.71	268.33	-152.19	-10.84	126.98	-198.65
13	38	157	-0.83	-1.28	-1.10	-1.01	-0.22	7.68	-29.75	-27.37	5.30	-9.13
13	38	158	2.62	0.81	2.07	1.36	0.84	118.33	12.42	77.94	52.81	51.44
13	38	159	1.06	-3.87	-0.33	-2.48	2.22	-14.69	-43.82	-42.87	-15.64	-5.17
13	39	1	0.47	-7.39	-6.63	-0.29	2.32	502.42	-616.75	-127.97	13.64	555.09
13	39	7	8.47	-1.27	-0.94	8.13	1.77	266.58	-315.81	-120.51	71.29	274.95
13	39	127	6.97	1.28	4.85	3.41	2.75	258.68	7.09	196.12	69.66	108.75
13	39	128	6.70	-0.42	0.79	5.49	2.67	312.72	-127.30	113.28	72.13	219.05
13	39	129	1.78	-3.91	-3.73	1.60	1.00	290.25	-309.57	-27.15	7.83	299.40

13	39	130	4.24	-3.64	-0.87	1.48	3.76	1023.37	-1.01	304.14	718.23	468.48
13	39	131	3.64	-3.03	-1.46	2.08	2.83	1832.02	-136.64	337.71	1357.67	841.92
13	39	133	6.69	-1.78	0.14	4.77	3.55	349.72	-538.31	97.01	-285.59	400.69
13	39	134	11.88	-1.22	3.80	6.86	6.37	423.35	-628.22	71.64	-276.51	496.13
13	39	157	2.99	-1.99	-0.55	1.55	2.26	51.94	39.15	51.26	39.83	2.87
13	39	158	0.29	-3.14	-3.11	0.26	-0.32	-13.46	-304.42	-302.00	-15.88	-26.42
13	39	159	5.78	2.61	5.01	3.38	1.36	106.01	7.11	88.90	24.23	37.41
13	40	1	12.07	-29.30	12.03	-29.26	-1.30	98.39	-620.72	86.75	-609.09	90.73
13	40	7	4.77	0.92	4.00	1.69	-1.54	-54.06	-133.85	-76.36	-111.55	-35.81
13	40	127	13.82	-2.82	-2.73	13.73	-1.27	9.24	-55.22	-42.30	-3.68	25.80
13	40	128	7.77	-3.11	-2.57	7.23	-2.37	-44.96	-63.78	-61.23	-47.52	-6.45
13	40	129	11.48	-6.31e-02	11.47	-5.62e-02	0.28	253.14	-162.57	40.07	50.50	207.79
13	40	130	-8.69	-36.06	-9.74	-35.01	-5.24	-142.48	-574.48	-169.09	-547.86	-
103.87												
13	40	131	0.74	-35.79	-9.34e-02	-34.96	-5.44	-32.53	-487.49	-94.79	-425.24	-
156.36												
13	40	133	1.02	-7.74	-3.73	-2.99	-4.36	89.43	-55.83	-53.46	87.05	-18.42
13	40	134	3.85	-16.55	-5.79	-6.91	-10.18	3.74	-153.97	-9.24	-140.99	-43.34
13	40	157	-1.28	-2.38	-2.31	-1.35	-0.27	2.32	-42.84	-42.10	1.58	5.73
13	40	158	2.50	1.10	1.42	2.18	0.59	46.90	-13.23	5.15	28.52	27.70
13	40	159	4.61	-4.67	1.31	-1.38	4.44	2.00	-26.92	-24.35	-0.57	8.23
13	41	1	13.39	-10.46	-10.42	13.35	0.97	399.80	-301.98	-55.80	153.62	334.91
13	41	7	5.56	-2.60	-2.33	5.28	1.47	157.39	-237.02	-71.01	-8.62	194.72
13	41	127	6.73	-3.79	5.97	-3.04	2.72	186.46	4.56	148.59	42.42	73.85
13	41	128	4.54	-1.44	2.08	1.02	2.94	210.92	-105.87	89.07	15.97	154.12
13	41	129	1.65	-8.20	-8.20	1.65	-9.00e-02	168.63	-69.32	36.09	63.21	118.20
13	41	130	19.00	1.99	3.83	17.16	5.29	796.38	74.65	237.67	633.37	301.79
13	41	131	18.57	-2.34	-1.08	17.32	4.96	1353.47	-46.10	244.96	1062.41	568.02
13	41	133	8.60	-1.79	1.93	4.88	4.98	267.21	-298.95	92.32	-124.06	261.59
13	41	134	18.77	-3.26	6.35	9.15	10.93	376.07	-311.09	70.16	-5.18	341.51
13	41	157	3.70	-1.11	0.67	1.92	2.32	70.34	38.29	65.24	43.39	-11.73
13	41	158	-0.54	-2.47	-2.47	-0.54	-7.85e-02	7.54	-229.40	-229.33	7.47	-4.13
13	41	159	3.85	1.80	3.39	2.26	-0.85	79.10	1.20	70.61	9.70	24.28
13	42	1	8.53	-15.91	8.24	-15.62	-2.65	184.56	-494.74	158.92	-469.10	-
129.45												
13	42	7	3.36	-1.91	2.61	-1.16	-1.84	33.10	-251.41	-26.86	-191.45	-
116.03												
13	42	127	7.47	-1.79	-1.60	7.28	-1.31	-29.54	-91.21	-89.83	-30.91	-9.09
13	42	128	3.65	-2.17	-1.28	2.76	-2.09	-22.60	-166.51	-85.43	-103.67	-71.38
13	42	129	7.09	-9.90e-02	7.00	-6.97e-03	-0.81	131.22	77.98	103.32	105.88	26.59
13	42	130	-4.13	-20.24	-5.03	-19.33	-3.71	-98.53	-769.75	-235.56	-632.72	-
270.55												
13	42	131	0.82	-20.25	0.28	-19.72	-3.30	52.08	-960.11	-187.54	-720.50	-
430.26												
13	42	133	0.56	-5.37	-1.93	-2.88	-2.93	315.07	-124.62	-58.14	248.59	-
157.52												
13	42	134	1.73	-9.59	-3.25	-4.61	-5.62	269.96	-150.35	-10.72	130.33	-
197.97												
13	42	157	-0.82	-1.26	-1.09	-0.99	-0.21	7.37	-30.34	-28.12	5.15	-8.87
13	42	158	2.62	0.82	2.07	1.37	0.83	116.49	13.20	77.83	51.86	49.99
13	42	159	1.08	-3.88	-0.30	-2.50	2.23	-14.25	-43.49	-42.65	-15.10	-4.90
13	43	1	3.37	-22.12	3.22	-21.96	2.00	347.43	-777.69	-101.36	-328.90	550.94
13	43	7	8.28	1.94	2.03	8.18	0.76	209.37	-270.94	-141.65	80.08	213.03
13	43	127	12.77	1.16	1.35	12.59	1.45	219.48	-10.25	143.11	66.12	108.23
13	43	128	9.90	-1.36	-1.33	9.87	0.62	259.65	-115.03	64.92	79.70	187.19
13	43	129	5.97	0.54	5.40	1.11	1.67	380.27	-450.31	-50.65	-19.40	414.99
13	43	130	-7.87	-24.68	-7.96	-24.59	-1.24	631.20	-145.59	176.41	309.21	382.68
13	43	131	-1.09	-23.99	-1.24	-23.84	-1.85	1336.82	-175.17	244.00	917.64	676.82
13	43	133	1.88	-2.79	-2.73	1.82	-0.50	276.89	-473.22	27.73	-224.05	353.29
13	43	134	2.53	-4.21	-1.68	-6.25e-03	-3.26	309.81	-605.80	42.38	-338.37	416.34
13	43	157	0.79	-2.77	-2.21	0.23	1.29	31.43	-6.87	2.46	22.10	16.44
13	43	158	1.69	-1.93	-1.92	1.68	-0.19	-17.06	-249.35	-245.89	-20.52	-28.14
13	43	159	8.28	-0.83	4.96	2.49	4.38	85.72	3.15	60.93	27.94	37.84
13	44	1	8.01	-29.22	7.97	-29.19	1.15	232.26	-765.93	-49.04	-484.63	449.07
13	44	7	6.65	3.25	3.26	6.65	-8.04e-02	112.81	-208.94	-130.01	33.88	138.44
13	44	127	15.06	-0.75	-0.74	15.05	0.29	157.41	-20.81	88.43	48.17	86.81
13	44	128	10.32	-2.23	-2.20	10.28	-0.65	171.32	-96.03	25.61	49.68	133.13
13	44	129	9.50	0.20	9.28	0.43	1.42	368.91	-412.42	-34.10	-9.41	390.47
13	44	130	-9.84	-34.07	-10.13	-33.78	-2.65	289.31	-217.32	65.79	6.20	251.56
13	44	131	-0.42	-33.69	-0.91	-33.20	-4.00	806.52	-161.25	146.48	498.79	450.69
13	44	133	1.18	-5.02	-3.69	-0.15	-2.55	162.19	-398.00	-6.87	-228.95	257.14
13	44	134	3.72	-11.41	-4.18	-3.52	-7.56	151.70	-634.51	23.18	-505.98	290.74

13	44	157	-0.33	-2.79	-2.60	-0.52	0.66	20.09	-26.88	-19.42	12.64	17.16
13	44	158	2.14	-0.81	-0.81	2.14	4.99e-02	-8.20	-168.97	-167.76	-9.41	-13.90
13	44	159	7.94	-2.58	4.12	1.23	5.06	59.16	-2.62	34.55	21.99	30.24
13	45	1	13.39	-6.48	-6.36	13.28	-1.49	89.15	20.01	80.00	29.16	-23.43
13	45	7	0.33	-1.58	-1.58	0.33	1.28e-02	-14.36	-157.04	-17.36	-154.04	20.48
13	45	127	4.15	-4.52	3.99	-4.36	1.16	22.95	-14.52	17.85	-9.42	12.85
13	45	128	2.08	-2.40	1.71	-2.03	1.23	4.70	-83.68	2.24	-81.22	14.54
13	45	129	1.37	-6.22	-6.01	1.17	-1.23	181.50	51.89	110.27	123.12	-64.48
13	45	130	16.52	3.64	4.23	15.92	2.70	106.93	-24.83	2.79	79.31	-53.64
13	45	131	16.31	-1.02	-0.27	15.56	3.52	148.87	-6.80	3.69	138.38	-39.02
13	45	133	5.13	-1.20	1.89	2.03	3.16	193.27	44.41	45.73	191.94	-13.97
13	45	134	13.57	-3.07	4.74	5.76	8.30	359.98	37.58	37.75	359.81	7.43
13	45	157	2.41	-0.37	0.96	1.08	1.39	61.17	13.73	42.56	32.34	-23.16
13	45	158	0.11	-0.85	-0.23	-0.51	0.46	57.70	-68.72	-56.42	45.39	37.47
13	45	159	1.66	-1.43	0.58	-0.35	-1.47	11.91	-13.07	11.70	-12.86	2.27
13	46	1	6.70	-2.26	-1.61	6.05	-2.33	183.03	-177.28	132.31	-126.57	-125.30
13	46	7	0.15	-1.72	-0.36	-1.21	-0.83	8.32	-214.29	-5.72	-200.25	-54.11
13	46	127	1.90	-1.90	1.90	-1.90	-6.78e-03	-22.31	-41.89	-36.82	-27.37	-8.57
13	46	128	0.84	-1.62	0.84	-1.62	-3.99e-02	-19.96	-128.35	-37.07	-111.24	-39.53
13	46	129	1.14	-2.80	-2.14	0.48	-1.47	219.02	40.90	126.82	133.10	-89.01
13	46	130	7.06	1.72	2.05	6.73	1.29	27.86	-359.39	-107.83	-223.70	-184.76
13	46	131	6.49	-0.23	5.75e-02	6.20	1.37	93.95	-468.25	-93.83	-280.47	-265.16
13	46	133	1.71	-0.70	0.94	6.37e-02	1.12	240.03	-41.84	11.14	187.05	-110.12
13	46	134	6.25	-1.77	2.23	2.25	4.01	252.01	-41.27	18.55	192.19	-118.18
13	46	157	1.22	-0.31	0.57	0.34	0.76	44.25	-0.69	20.68	22.88	-22.44
13	46	158	1.26	-0.42	0.88	-4.29e-02	0.70	93.67	-15.45	21.71	56.51	51.71
13	46	159	0.11	-1.97	-0.25	-1.60	-0.79	-11.03	-22.46	-14.68	-18.81	-5.33
13	47	1	3.54	-22.32	3.38	-22.16	2.00	350.26	-783.60	-100.43	-332.92	554.88
13	47	7	8.26	1.97	2.06	8.17	0.73	207.21	-270.77	-141.07	77.51	212.54
13	47	127	12.76	1.05	1.20	12.60	1.35	218.72	-9.15	144.05	65.53	106.96
13	47	128	9.90	-1.40	-1.37	9.87	0.58	259.04	-114.97	65.92	78.15	186.91
13	47	129	6.07	0.44	5.54	0.97	1.63	379.13	-448.86	-50.26	-19.47	413.71
13	47	130	-7.96	-24.92	-8.00	-24.88	-0.88	633.08	-147.85	177.22	308.00	384.95
13	47	131	-1.07	-24.31	-1.23	-24.15	-1.94	1343.84	-177.48	246.44	919.92	682.07
13	47	133	1.83	-2.83	-2.75	1.76	-0.59	263.95	-506.17	28.23	-270.44	354.93
13	47	134	2.59	-4.51	-1.79	-0.13	-3.45	283.61	-679.37	42.41	-438.18	417.24
13	47	157	0.75	-2.75	-2.20	0.19	1.28	31.26	-6.93	2.51	21.82	16.48
13	47	158	1.69	-1.91	-1.90	1.68	-0.18	-16.87	-246.45	-243.22	-20.09	-27.03
13	47	159	8.24	-0.84	4.98	2.42	4.36	85.46	3.54	61.20	27.80	37.40
13	48	1	7.84	-29.02	7.81	-28.99	1.15	229.18	-759.76	-49.97	-480.61	445.12
13	48	7	6.66	3.23	3.23	6.66	-5.27e-02	115.03	-209.17	-130.59	36.45	138.93
13	48	127	15.04	-0.61	-0.60	15.03	0.39	158.31	-22.05	87.49	48.77	88.07
13	48	128	10.31	-2.19	-2.16	10.28	-0.61	171.99	-96.17	24.60	51.22	133.42
13	48	129	9.38	0.33	9.14	0.57	1.46	370.05	-413.87	-34.49	-9.33	391.76
13	48	130	-9.71	-33.87	-10.09	-33.49	-3.01	287.13	-214.75	64.97	7.40	249.28
13	48	131	-0.44	-33.37	-0.91	-32.90	-3.90	799.31	-158.76	144.04	496.51	445.44
13	48	133	1.17	-4.92	-3.66	-8.41e-02	-2.46	175.15	-365.07	-7.37	-182.56	255.51
13	48	134	3.65	-11.11	-4.07	-3.39	-7.37	169.16	-552.19	23.14	-406.17	289.84
13	48	157	-0.29	-2.81	-2.61	-0.49	0.68	20.29	-26.85	-19.48	12.91	17.12
13	48	158	2.13	-0.82	-0.82	2.13	3.51e-02	-8.45	-171.81	-170.42	-9.84	-15.01
13	48	159	7.98	-2.57	4.11	1.30	5.08	59.49	-3.08	34.28	22.13	30.69
13	49	1	13.19	-6.31	-6.20	13.07	-1.48	87.06	19.01	80.93	25.15	-19.49
13	49	7	0.31	-1.55	-1.55	0.31	-1.49e-02	-13.98	-159.41	-16.78	-156.61	19.99
13	49	127	3.98	-4.47	3.84	-4.34	1.06	22.87	-14.10	18.79	-10.02	11.58
13	49	128	2.02	-2.38	1.67	-2.03	1.19	5.54	-85.06	3.24	-82.76	14.25
13	49	129	1.24	-6.10	-5.87	1.02	-1.26	182.91	50.79	110.66	123.04	-65.77
13	49	130	16.40	3.42	4.18	15.63	3.06	104.30	-22.59	3.60	78.11	-51.36
13	49	131	15.98	-0.99	-0.27	15.26	3.42	148.66	-1.87	6.13	140.66	-33.78
13	49	133	5.00	-1.16	1.87	1.97	3.08	147.06	44.72	46.23	145.55	-12.33
13	49	134	13.27	-3.00	4.62	5.64	8.12	260.30	37.47	37.78	259.99	8.32
13	49	157	2.39	-0.36	0.97	1.05	1.37	61.06	13.62	42.62	32.06	-23.13
13	49	158	0.14	-0.86	-0.22	-0.50	0.48	59.02	-66.95	-53.75	45.82	38.58
13	49	159	1.67	-1.49	0.60	-0.41	-1.49	12.10	-13.13	11.97	-13.00	1.83
13	50	1	6.88	-2.40	-1.77	6.25	-2.33	185.59	-176.76	131.38	-122.55	-129.25
13	50	7	0.10	-1.69	-0.39	-1.20	-0.80	7.70	-211.68	-6.30	-197.67	-53.62
13	50	127	2.05	-1.92	2.04	-1.91	9.72e-02	-23.13	-41.41	-37.76	-26.78	-7.31

13	50	128	0.88	-1.62	0.88	-1.62	-1.46e-03	-20.76	-127.01	-38.07	-109.70	-39.24
13	50	129	1.22	-2.87	-2.28	0.63	-1.44	217.59	42.02	126.43	133.18	-87.72
13	50	130	7.19	1.93	2.10	7.02	0.93	29.93	-361.07	-108.64	-222.50	-187.03
13	50	131	6.82	-0.26	5.57e-02	6.51	1.47	96.52	-475.54	-96.27	-282.75	-270.40
13	50	133	1.82	-0.73	0.96	0.13	1.21	279.83	-35.75	10.64	233.44	-111.75
13	50	134	6.56	-1.83	2.35	2.38	4.20	336.58	-26.06	18.51	292.00	-119.07
13	50	157	1.24	-0.32	0.56	0.37	0.77	44.40	-0.62	20.63	23.15	-22.48
13	50	158	1.23	-0.42	0.86	-5.09e-02	0.69	91.45	-16.32	19.05	56.08	50.60
13	50	159	9.08e-02	-1.90	-0.27	-1.54	-0.77	-11.59	-22.03	-14.95	-18.67	-4.88
13	51	1	3.58	-22.48	3.42	-22.32	2.01	344.82	-783.34	-103.96	-334.56	552.17
13	51	7	8.06	1.96	2.06	7.97	0.77	206.36	-283.43	-143.72	66.65	221.15
13	51	127	12.74	1.02	1.17	12.58	1.35	216.20	-9.65	142.85	63.70	105.76
13	51	128	9.79	-1.53	-1.50	9.77	0.56	254.16	-116.53	65.48	72.15	185.32
13	51	129	6.13	0.53	5.59	1.07	1.66	375.98	-449.42	-52.25	-21.19	412.41
13	51	130	-7.97	-25.11	-8.06	-25.01	-1.30	628.36	-147.54	176.57	304.25	382.66
13	51	131	-1.08	-24.40	-1.24	-24.24	-1.96	1335.77	-176.04	245.84	913.88	678.10
13	51	133	1.83	-2.85	-2.78	1.77	-0.56	283.87	-469.85	42.95	-228.94	351.49
13	51	134	2.60	-4.57	-1.83	-0.14	-3.49	304.92	-609.74	42.04	-346.86	413.93
13	51	157	0.71	-2.77	-2.23	0.17	1.26	31.59	-4.62	4.48	22.49	15.71
13	51	158	1.65	-1.92	-1.91	1.64	-0.18	-15.36	-247.59	-245.04	-17.90	-24.17
13	51	159	8.23	-0.81	4.88	2.54	4.37	84.07	2.66	60.28	26.45	37.02
13	52	1	8.22	-29.58	8.18	-29.55	1.17	229.90	-771.84	-51.64	-490.29	450.30
13	52	7	6.43	3.28	3.29	6.43	-6.90e-02	109.40	-221.04	-132.08	20.44	146.56
13	52	127	15.05	-0.92	-0.92	15.05	0.18	153.93	-20.01	88.18	45.75	84.34
13	52	128	10.22	-2.41	-2.37	10.18	-0.71	165.65	-97.34	26.17	42.14	131.25
13	52	129	9.68	0.17	9.47	0.38	1.41	364.63	-411.53	-35.71	-11.20	387.89
13	52	130	-9.94	-34.50	-10.24	-34.20	-2.72	287.21	-220.02	65.95	1.24	251.54
13	52	131	-0.41	-34.11	-0.92	-33.60	-4.12	805.75	-162.40	148.32	495.03	451.97
13	52	133	1.18	-5.12	-3.74	-0.20	-2.61	169.86	-395.33	8.36	-233.83	255.34
13	52	134	3.80	-11.78	-4.33	-3.65	-7.78	148.27	-639.91	22.84	-514.48	288.33
13	52	157	-0.41	-2.79	-2.61	-0.58	0.62	20.21	-24.58	-17.40	13.03	16.43
13	52	158	2.11	-0.81	-0.80	2.11	6.27e-02	-6.17	-167.52	-166.91	-6.79	-9.93
13	52	159	7.89	-2.57	4.04	1.28	5.04	57.37	-2.98	33.90	20.50	29.42
13	53	1	13.75	-6.68	-6.57	13.64	-1.50	93.05	24.37	82.60	34.82	-24.66
13	53	7	0.54	-1.61	-1.61	0.54	1.41e-03	-14.09	-141.81	-15.29	-140.61	12.35
13	53	127	4.35	-4.54	4.16	-4.36	1.26	25.36	-14.25	18.11	-7.00	15.31
13	53	128	2.28	-2.32	1.88	-1.93	1.29	5.10	-77.10	1.68	-73.68	16.42
13	53	129	1.40	-6.40	-6.20	1.21	-1.22	180.63	56.15	111.88	124.91	-61.90
13	53	130	16.95	3.73	4.34	16.34	2.77	110.84	-23.95	2.62	84.27	-53.62
13	53	131	16.74	-1.04	-0.26	15.96	3.64	152.89	-8.90	1.86	142.14	-40.31
13	53	133	5.24	-1.21	1.95	2.09	3.22	197.71	29.62	30.51	196.83	-12.16
13	53	134	13.94	-3.15	4.89	5.90	8.53	368.59	37.79	38.09	368.30	9.84
13	53	157	2.49	-0.37	0.97	1.15	1.43	59.08	13.40	40.54	31.94	-22.43
13	53	158	0.11	-0.82	-0.24	-0.47	0.45	52.96	-67.45	-57.27	42.77	33.51
13	53	159	1.68	-1.41	0.67	-0.40	-1.46	12.75	-11.77	12.35	-11.37	3.09
13	54	1	7.03	-2.44	-1.81	6.41	-2.35	186.93	-172.92	134.92	-120.91	-126.53
13	54	7	0.20	-1.58	-0.39	-0.99	-0.84	15.50	-205.96	-3.65	-186.81	-62.24
13	54	127	2.08	-1.90	2.08	-1.89	9.86e-02	-22.33	-39.19	-36.57	-24.95	-6.11
13	54	128	1.01	-1.51	1.01	-1.51	1.61e-02	-20.58	-120.75	-37.64	-103.69	-37.65
13	54	129	1.14	-2.94	-2.33	0.52	-1.46	218.14	45.18	128.42	134.89	-86.42
13	54	130	7.49	1.82	2.16	7.15	1.35	29.49	-356.23	-108.00	-218.74	-184.74
13	54	131	6.92	-0.26	6.54e-02	6.60	1.48	95.21	-467.59	-95.67	-276.72	-266.44
13	54	133	1.82	-0.71	0.99	0.12	1.18	240.00	-52.15	-4.09	191.94	-108.31
13	54	134	6.62	-1.85	2.38	2.39	4.23	256.97	-37.40	18.89	200.68	-115.76
13	54	157	1.29	-0.31	0.59	0.40	0.79	42.36	-1.22	18.65	22.49	-21.71
13	54	158	1.25	-0.39	0.87	-7.47e-03	0.69	87.89	-13.14	20.87	53.88	47.74
13	54	159	0.16	-1.99	-0.17	-1.65	-0.78	-10.88	-20.47	-14.02	-17.32	-4.50
13	55	1	3.75	-22.68	3.59	-22.52	2.02	347.64	-789.25	-103.03	-338.57	556.11
13	55	7	8.05	2.00	2.09	7.95	0.74	204.24	-283.31	-143.14	64.07	220.66
13	55	127	12.73	0.90	1.03	12.60	1.24	215.46	-8.57	143.79	63.10	104.49
13	55	128	9.79	-1.56	-1.54	9.77	0.52	253.59	-116.49	66.48	70.61	185.03
13	55	129	6.23	0.43	5.73	0.92	1.62	374.84	-447.97	-51.86	-21.27	411.12
13	55	130	-8.06	-25.35	-8.11	-25.30	-0.95	630.25	-149.81	177.39	303.04	384.94

13	55	131	-1.06	-24.72	-1.24	-24.54	-2.06	1342.80	-178.36	248.28	916.16	683.35
13	55	133	1.79	-2.90	-2.81	1.70	-0.65	271.48	-503.37	43.45	-275.33	353.12
13	55	134	2.66	-4.87	-1.94	-0.26	-3.67	279.16	-683.76	42.07	-446.67	414.83
13	55	157	0.67	-2.75	-2.21	0.13	1.24	31.43	-4.68	4.54	22.22	15.74
13	55	158	1.66	-1.91	-1.90	1.65	-0.16	-15.13	-244.72	-242.38	-17.47	-23.07
13	55	159	8.19	-0.83	4.90	2.47	4.34	83.81	3.05	60.55	26.31	36.58
13	56	1	8.05	-29.38	8.01	-29.35	1.17	226.82	-765.66	-52.58	-486.27	446.35
13	56	7	6.44	3.26	3.26	6.44	-4.14e-02	111.56	-221.21	-132.66	23.01	147.05
13	56	127	15.04	-0.78	-0.77	15.03	0.28	154.81	-21.22	87.24	46.35	85.61
13	56	128	10.21	-2.37	-2.33	10.18	-0.67	166.29	-97.44	25.17	43.68	131.54
13	56	129	9.56	0.30	9.33	0.53	1.45	365.76	-412.98	-36.10	-11.12	389.17
13	56	130	-9.80	-34.30	-10.20	-33.91	-3.07	285.02	-217.44	65.14	2.44	249.27
13	56	131	-0.43	-33.78	-0.92	-33.29	-4.02	798.53	-159.89	145.88	492.76	446.72
13	56	133	1.16	-5.02	-3.72	-0.14	-2.52	182.05	-361.64	7.86	-187.44	253.70
13	56	134	3.73	-11.48	-4.22	-3.53	-7.59	165.26	-557.12	22.80	-414.66	287.43
13	56	157	-0.37	-2.81	-2.63	-0.55	0.64	20.40	-24.55	-17.45	13.31	16.39
13	56	158	2.10	-0.82	-0.82	2.10	4.79e-02	-6.47	-170.32	-169.58	-7.22	-11.04
13	56	159	7.92	-2.56	4.02	1.35	5.07	57.70	-3.43	33.63	20.64	29.87
13	57	1	13.55	-6.52	-6.40	13.43	-1.50	90.70	23.64	83.53	30.80	-20.72
13	57	7	0.53	-1.58	-1.58	0.53	-2.62e-02	-13.62	-144.27	-14.71	-143.18	11.87
13	57	127	4.18	-4.50	4.02	-4.34	1.16	25.08	-13.63	19.05	-7.60	14.04
13	57	128	2.22	-2.30	1.84	-1.93	1.25	5.89	-78.43	2.68	-75.22	16.13
13	57	129	1.28	-6.27	-6.06	1.06	-1.25	182.04	55.05	112.27	124.83	-63.19
13	57	130	16.83	3.51	4.29	16.05	3.12	108.23	-21.72	3.44	83.07	-51.35
13	57	131	16.41	-1.01	-0.26	15.65	3.54	152.70	-3.99	4.30	144.41	-35.06
13	57	133	5.11	-1.17	1.93	2.02	3.14	151.36	30.08	31.01	150.44	-10.53
13	57	134	13.63	-3.08	4.77	5.78	8.34	268.99	37.62	38.12	268.49	10.74
13	57	157	2.46	-0.36	0.99	1.11	1.41	58.96	13.30	40.59	31.67	-22.39
13	57	158	0.14	-0.82	-0.22	-0.46	0.46	54.21	-65.61	-54.60	43.20	34.61
13	57	159	1.70	-1.47	0.69	-0.46	-1.48	12.91	-11.80	12.62	-11.51	2.65
13	58	1	7.21	-2.58	-1.98	6.61	-2.35	189.54	-172.45	133.99	-116.90	-130.48
13	58	7	0.16	-1.56	-0.42	-0.98	-0.81	14.91	-203.38	-4.23	-184.24	-61.75
13	58	127	2.23	-1.92	2.22	-1.91	0.20	-22.76	-39.09	-37.50	-24.35	-4.84
13	58	128	1.05	-1.52	1.05	-1.52	5.45e-02	-21.36	-119.43	-38.64	-102.15	-37.36
13	58	129	1.22	-3.02	-2.47	0.67	-1.43	216.71	46.30	128.03	134.97	-85.14
13	58	130	7.62	2.02	2.20	7.44	1.00	31.58	-357.93	-108.81	-217.54	-187.02
13	58	131	7.25	-0.28	6.36e-02	6.90	1.58	97.79	-474.90	-98.11	-278.99	-271.69
13	58	133	1.93	-0.73	1.01	0.18	1.27	280.70	-46.96	-4.59	238.33	-109.94
13	58	134	6.92	-1.91	2.50	2.51	4.42	342.54	-23.19	18.85	300.50	-116.66
13	58	157	1.31	-0.31	0.57	0.43	0.81	42.53	-1.16	18.60	22.76	-21.75
13	58	158	1.22	-0.38	0.86	-1.55e-02	0.68	85.69	-14.03	18.20	53.46	46.64
13	58	159	0.14	-1.92	-0.19	-1.59	-0.75	-11.43	-20.05	-14.29	-17.18	-4.06
13	59	1	-0.59	-6.29	-5.69	-1.20	1.76	409.93	-530.74	-98.92	-21.89	468.75
13	59	7	7.49	-0.93	-0.66	7.23	1.48	216.81	-276.49	-111.73	52.05	232.66
13	59	127	6.99	1.50	4.71	3.78	2.71	224.05	-0.37	163.06	60.62	99.83
13	59	128	6.20	-0.23	0.76	5.22	2.32	264.07	-116.83	88.85	58.39	189.84
13	59	129	2.10	-3.28	-3.11	1.93	0.93	278.87	-273.66	-13.63	18.83	275.79
13	59	130	1.51	-2.36	-1.15	0.31	1.79	831.96	-5.01	244.70	582.25	382.94
13	59	131	2.57	-2.96	-1.28	0.88	2.55	1516.69	-109.45	273.67	1133.56	690.10
13	59	133	5.89	-1.70	2.32e-03	4.19	3.16	345.69	-344.04	74.39	-72.74	336.93
13	59	134	10.74	-1.14	3.49	6.11	5.79	502.56	-337.85	63.16	101.55	419.76
13	59	157	2.68	-1.93	-0.66	1.40	2.07	42.54	36.19	42.03	36.71	1.74
13	59	158	0.39	-2.64	-2.62	0.37	-0.24	-8.61	-272.54	-270.73	-10.42	-21.79
13	59	159	5.39	1.98	4.41	2.96	1.54	91.12	3.96	74.48	20.60	34.26
13	60	1	10.20	-25.32	10.17	-25.29	-1.05	101.45	-566.97	75.47	-540.99	129.19
13	60	7	4.24	1.29	3.42	2.11	-1.32	-65.86	-109.04	-72.93	-101.98	-15.97
13	60	127	12.09	-2.35	-2.25	11.99	-1.18	20.94	-39.34	-19.20	0.79	28.43
13	60	128	7.01	-2.56	-2.16	6.60	-1.92	-32.30	-51.56	-42.20	-41.66	9.62
13	60	129	9.81	-0.36	9.81	-0.36	0.13	240.94	-147.30	41.52	52.12	194.04
13	60	130	-8.02	-30.70	-8.41	-30.32	-2.93	-114.68	-437.13	-124.03	-427.78	-54.13
13	60	131	0.50	-31.04	-0.19	-30.34	-4.64	-33.69	-280.33	-51.41	-262.61	-63.68
13	60	133	0.89	-6.44	-3.18	-2.37	-3.64	-35.86	-94.13	-40.93	-89.06	16.43
13	60	134	3.30	-13.75	-4.86	-5.59	-8.52	-0.84	-457.18	-0.85	-457.18	1.08
13	60	157	-1.09	-1.94	-1.94	-1.09	-4.51e-02	5.66	-31.39	-30.92	5.19	4.14
13	60	158	2.20	0.80	1.08	1.92	0.56	39.79	-23.45	-10.29	26.63	25.67
13	60	159	4.25	-3.86	1.61	-1.22	3.80	5.07	-17.76	-13.45	0.77	8.93
13	61	1	9.40	-8.59	-8.56	9.38	0.71	323.99	-282.99	-44.52	85.52	296.44

13	61	7	5.10	-1.98	-1.75	4.87	1.26	130.82	-223.46	-74.45	-18.19	174.89
13	61	127	6.39	-2.19	5.50	-1.30	2.62	165.31	-1.87	125.48	37.96	71.22
13	61	128	4.16	-0.84	1.67	1.65	2.50	181.34	-101.18	70.05	10.12	138.04
13	61	129	1.95	-6.54	-6.54	1.95	6.52e-02	180.75	-84.51	34.65	61.58	131.94
13	61	130	13.28	1.68	2.50	12.46	2.97	651.67	54.22	192.61	513.28	252.05
13	61	131	13.86	-2.15	-0.99	12.70	4.16	1140.45	-39.08	201.58	899.78	475.34
13	61	133	7.32	-1.67	1.39	4.25	4.26	293.10	-161.25	79.79	52.05	226.75
13	61	134	15.97	-2.72	5.41	7.84	9.26	508.55	-135.78	61.77	311.00	297.09
13	61	157	3.18	-1.23	0.30	1.66	2.09	59.32	34.52	54.06	39.78	-10.14
13	61	158	-0.28	-2.12	-2.12	-0.29	-4.90e-02	9.38	-213.91	-213.89	9.36	-2.10
13	61	159	3.14	2.06	3.09	2.11	-0.21	68.90	-0.83	59.71	8.36	23.59
13	62	1	7.49	-14.91	7.30	-14.72	-2.09	133.16	-436.85	129.88	-433.57	-43.12
13	62	7	3.06	-0.98	2.33	-0.25	-1.55	-3.42	-204.43	-35.64	-172.21	-73.74
13	62	127	7.10	-1.65	-1.46	6.91	-1.27	-21.87	-56.77	-56.77	-21.87	-0.18
13	62	128	3.65	-1.86	-1.25	3.03	-1.74	-30.88	-120.05	-61.00	-89.93	-42.17
13	62	129	6.46	-0.42	6.38	-0.34	-0.74	142.60	42.07	89.79	94.88	50.20
13	62	130	-4.53	-18.39	-4.75	-18.17	-1.74	-91.62	-581.25	-176.12	-496.74	-185.02
13	62	131	0.58	-19.00	9.86e-02	-18.52	-3.02	25.15	-645.04	-123.50	-496.39	-278.43
13	62	133	0.51	-4.61	-1.79	-2.31	-2.54	100.40	-100.19	-35.53	35.74	-93.75
13	62	134	1.67	-8.47	-2.93	-3.86	-5.05	47.80	-297.76	-2.24	-247.72	-121.60
13	62	157	-0.84	-0.99	-0.99	-0.84	-1.59e-02	10.32	-20.94	-18.89	8.27	-7.74
13	62	158	2.20	0.65	1.58	1.26	0.76	91.84	1.12	46.55	46.40	45.36
13	62	159	1.48	-3.25	0.30	-2.07	2.04	-11.29	-28.40	-28.22	-11.47	-1.74
13	63	1	-0.67	-6.25	-5.62	-1.30	1.76	409.02	-532.31	-99.70	-23.59	469.12
13	63	7	7.43	-0.92	-0.65	7.16	1.48	216.22	-280.56	-112.35	48.02	235.09
13	63	127	6.93	1.51	4.66	3.78	2.68	223.14	-0.26	162.98	59.89	99.09
13	63	128	6.16	-0.27	0.70	5.19	2.30	262.56	-117.42	89.02	56.13	189.28
13	63	129	2.09	-3.23	-3.06	1.92	0.93	277.58	-273.40	-14.11	18.29	275.01
13	63	130	1.40	-2.40	-1.19	0.18	1.77	830.93	-5.42	244.75	580.76	382.94
13	63	131	2.45	-2.97	-1.28	0.76	2.51	1516.28	-109.62	274.23	1132.43	690.48
13	63	133	5.86	-1.70	-1.37e-02	4.17	3.14	347.37	-342.62	78.96	-74.21	336.39
13	63	134	10.63	-1.12	3.44	6.07	5.73	500.45	-338.40	63.06	99.00	419.04
13	63	157	2.66	-1.93	-0.66	1.38	2.05	43.01	36.46	42.63	36.83	1.52
13	63	158	0.38	-2.64	-2.62	0.36	-0.24	-8.01	-272.09	-270.47	-9.63	-20.60
13	63	159	5.37	1.98	4.38	2.97	1.54	90.68	3.75	74.28	20.16	34.01
13	64	1	10.26	-25.43	10.23	-25.40	-1.04	100.78	-568.78	74.69	-542.69	129.56
13	64	7	4.22	1.24	3.43	2.04	-1.32	-68.64	-110.91	-73.55	-106.01	-13.54
13	64	127	12.09	-2.41	-2.31	11.99	-1.21	19.73	-38.94	-19.27	6.36e-02	27.69
13	64	128	6.98	-2.62	-2.21	6.57	-1.94	-33.87	-52.08	-42.03	-43.92	9.06
13	64	129	9.86	-0.37	9.86	-0.37	0.12	239.65	-147.03	41.04	51.59	193.27
13	64	130	-8.05	-30.83	-8.44	-30.45	-2.95	-114.67	-438.58	-123.98	-429.26	-54.13
13	64	131	0.51	-31.16	-0.19	-30.46	-4.67	-33.46	-281.14	-50.86	-263.74	-63.30
13	64	133	0.89	-6.48	-3.20	-2.39	-3.66	-32.05	-94.84	-36.36	-90.52	15.88
13	64	134	3.33	-13.86	-4.90	-5.63	-8.58	-0.95	-459.72	-0.95	-459.72	0.36
13	64	157	-1.11	-1.95	-1.94	-1.11	-5.62e-02	5.74	-30.74	-30.31	5.31	3.92
13	64	158	2.19	0.79	1.08	1.91	0.56	41.43	-24.06	-10.03	27.41	26.86
13	64	159	4.24	-3.85	1.59	-1.21	3.79	4.48	-17.81	-13.65	0.32	8.68
13	65	1	9.51	-8.65	-8.62	9.48	0.71	324.97	-281.48	-43.73	87.22	296.07
13	65	7	5.16	-1.98	-1.75	4.93	1.25	131.02	-219.01	-73.82	-14.16	172.45
13	65	127	6.46	-2.21	5.55	-1.30	2.65	166.17	-1.93	125.56	38.68	71.96
13	65	128	4.22	-0.82	1.72	1.68	2.52	182.69	-100.43	69.88	12.38	138.61
13	65	129	1.96	-6.60	-6.60	1.96	6.83e-02	182.03	-84.78	35.13	62.12	132.72
13	65	130	13.41	1.71	2.53	12.59	2.99	652.81	54.52	192.56	514.77	252.06
13	65	131	13.99	-2.16	-0.98	12.82	4.19	1140.92	-38.98	201.03	900.91	474.96
13	65	133	7.35	-1.67	1.41	4.27	4.28	291.92	-163.18	75.22	53.52	227.29
13	65	134	16.08	-2.74	5.46	7.88	9.33	511.02	-135.60	61.87	313.55	297.81
13	65	157	3.20	-1.23	0.30	1.68	2.11	58.64	34.47	53.45	39.67	-9.92
13	65	158	-0.27	-2.12	-2.12	-0.27	-5.28e-02	8.62	-214.19	-214.14	8.57	-3.29
13	65	159	3.16	2.05	3.12	2.09	-0.21	69.30	-0.58	59.90	8.81	23.83
13	66	1	7.43	-14.81	7.23	-14.61	-2.10	134.00	-435.22	130.66	-431.88	-43.49
13	66	7	3.06	-0.93	2.32	-0.19	-1.55	-0.43	-202.77	-35.02	-168.18	-76.18
13	66	127	7.09	-1.59	-1.41	6.91	-1.23	-21.14	-56.70	-56.70	-21.15	0.56
13	66	128	3.67	-1.80	-1.19	3.06	-1.72	-30.75	-118.09	-61.17	-87.67	-41.61
13	66	129	6.41	-0.41	6.32	-0.33	-0.74	143.89	41.80	90.28	95.41	50.98
13	66	130	-4.50	-18.26	-4.72	-18.04	-1.72	-91.40	-580.02	-176.17	-495.26	-185.02
13	66	131	0.57	-18.87	0.10	-18.40	-2.99	25.29	-644.61	-124.05	-495.27	-278.82
13	66	133	0.50	-4.57	-1.78	-2.29	-2.52	99.46	-102.35	-40.09	37.21	-93.21

13	66	134	1.65	-8.36	-2.89	-3.82	-4.98	47.74	-295.05	-2.13	-245.18	-120.87
13	66	157	-0.82	-0.98	-0.98	-0.82	-4.78e-03	10.06	-21.41	-19.49	8.15	-7.52
13	66	158	2.20	0.66	1.58	1.27	0.75	90.13	1.79	46.30	45.61	44.17
13	66	159	1.50	-3.26	0.33	-2.09	2.05	-10.90	-28.16	-28.03	-11.03	-1.50
13	67	1	-1.08	-5.91	-5.13	-1.86	1.78	417.31	-548.40	-95.82	-35.28	481.91
13	67	7	7.43	-0.80	-0.56	7.19	1.39	210.24	-276.57	-109.80	43.47	231.03
13	67	127	6.41	1.66	4.23	3.84	2.36	222.10	2.71	166.18	58.63	95.61
13	67	128	6.10	-0.25	0.62	5.23	2.19	262.60	-117.16	92.19	53.26	188.88
13	67	129	1.61	-2.81	-2.65	1.45	0.83	275.06	-268.82	-12.33	18.57	271.50
13	67	130	2.01	-3.97	-1.30	-0.65	2.97	836.94	-11.28	247.41	578.24	390.52
13	67	131	1.58	-3.00	-1.27	-0.14	2.22	1539.30	-116.35	281.81	1141.15	707.59
13	67	133	5.47	-1.57	-7.25e-02	3.98	2.88	298.81	-450.14	76.05	-227.38	342.37
13	67	134	9.74	-0.93	3.11	5.70	5.17	363.70	-531.60	63.27	-231.17	422.75
13	67	157	2.57	-1.88	-0.61	1.29	2.01	42.71	35.30	42.21	35.80	1.86
13	67	158	0.41	-2.58	-2.57	0.40	-0.20	-7.70	-263.13	-261.84	-8.99	-18.10
13	67	159	5.30	1.91	4.47	2.74	1.47	90.61	4.90	75.37	20.14	32.77
13	68	1	9.65	-24.65	9.61	-24.62	-1.07	94.03	-549.27	72.37	-527.61	116.04
13	68	7	4.10	1.37	3.32	2.14	-1.23	-67.05	-101.21	-74.86	-93.40	-14.35
13	68	127	11.98	-1.82	-1.77	11.93	-0.83	25.21	-44.76	-22.32	2.78	32.66
13	68	128	6.95	-2.38	-2.02	6.59	-1.79	-29.53	-52.53	-45.54	-36.52	10.58
13	68	129	9.34	0.12	9.34	0.13	0.23	244.73	-152.12	40.23	52.38	198.33
13	68	130	-7.49	-30.13	-8.26	-29.36	-4.11	-114.44	-436.08	-126.75	-423.77	-61.71
13	68	131	0.43	-29.94	-0.20	-29.32	-4.31	-31.89	-297.85	-59.54	-270.20	-81.17
13	68	133	0.77	-6.03	-3.11	-2.16	-3.36	66.68	-43.69	-42.59	65.58	10.98
13	68	134	3.08	-12.74	-4.48	-5.19	-7.90	-0.93	-124.49	-0.96	-124.46	-1.91
13	68	157	-0.98	-1.99	-1.99	-0.98	9.69e-03	6.53	-31.53	-31.10	6.10	4.02
13	68	158	2.13	0.79	1.02	1.89	0.51	34.25	-28.22	-19.18	25.20	21.98
13	68	159	4.36	-3.81	1.55	-1.01	3.88	6.44	-19.56	-14.35	1.23	10.41
13	69	1	8.74	-8.04	-8.01	8.71	0.73	330.12	-299.39	-41.41	72.14	309.60
13	69	7	5.03	-1.85	-1.65	4.83	1.16	125.13	-224.41	-72.51	-26.77	173.26
13	69	127	5.76	-1.98	5.02	-1.24	2.28	163.74	0.84	128.61	35.97	67.00
13	69	128	3.97	-0.78	1.53	1.66	2.37	180.47	-102.10	73.38	4.98	137.08
13	69	129	1.46	-6.07	-6.07	1.46	-4.12e-02	176.92	-79.65	35.94	61.33	127.66
13	69	130	13.11	0.75	2.35	11.50	4.16	655.69	48.91	195.33	509.27	259.63
13	69	131	12.75	-2.05	-0.98	11.68	3.83	1162.33	-45.25	209.71	907.37	492.83
13	69	133	6.89	-1.53	1.32	4.04	3.98	239.20	-260.33	81.45	-102.58	232.19
13	69	134	14.96	-2.49	5.03	7.43	8.64	323.06	-282.89	61.88	-21.71	300.08
13	69	157	3.07	-1.18	0.35	1.55	2.04	59.18	33.93	54.24	38.87	-10.02
13	69	158	-0.26	-2.06	-2.06	-0.26	3.86e-04	10.80	-205.01	-205.00	10.79	1.59
13	69	159	3.22	1.83	3.15	1.89	-0.29	68.64	-0.14	60.60	7.90	22.10
13	70	1	6.95	-14.26	6.74	-14.05	-2.11	132.50	-425.92	126.77	-420.19	-56.27
13	70	7	2.91	-0.89	2.24	-0.21	-1.46	-4.83	-196.38	-37.57	-163.63	-72.11
13	70	127	6.96	-1.09	-0.98	6.85	-0.92	-19.48	-60.30	-59.90	-19.89	4.04
13	70	128	3.58	-1.67	-1.11	3.02	-1.61	-32.10	-117.03	-64.34	-84.80	-41.21
13	70	129	5.98	7.65e-02	5.91	0.15	-0.63	146.41	37.23	88.50	95.13	54.49
13	70	130	-3.96	-17.85	-4.60	-17.21	-2.93	-87.33	-584.24	-178.83	-492.74	-192.60
13	70	131	0.50	-17.90	9.26e-02	-17.50	-2.70	31.81	-667.42	-131.63	-503.98	-295.92
13	70	133	0.37	-4.18	-1.72	-2.09	-2.26	227.54	-74.36	-37.19	190.38	-99.19
13	70	134	1.45	-7.45	-2.55	-3.45	-4.43	173.34	-90.69	-2.34	84.99	-124.58
13	70	157	-0.72	-1.04	-1.03	-0.73	3.89e-02	11.22	-21.11	-19.07	9.18	-7.86
13	70	158	2.10	0.66	1.53	1.24	0.71	83.15	-0.51	37.67	44.97	41.67
13	70	159	1.56	-3.18	0.24	-1.86	2.12	-11.01	-29.12	-29.12	-11.01	-0.26
13	71	1	-1.16	-5.88	-5.07	-1.97	1.78	416.41	-549.98	-96.60	-36.97	482.28
13	71	7	7.37	-0.80	-0.55	7.12	1.39	209.71	-280.69	-110.42	39.44	233.47
13	71	127	6.34	1.67	4.18	3.84	2.33	221.22	2.79	166.11	57.91	94.87
13	71	128	6.06	-0.29	0.57	5.20	2.17	261.12	-117.77	92.36	50.99	188.32
13	71	129	1.60	-2.75	-2.59	1.43	0.82	273.77	-268.55	-12.81	18.04	270.72
13	71	130	1.91	-4.02	-1.34	-0.78	2.95	835.91	-11.70	247.46	576.75	390.52
13	71	131	1.47	-3.01	-1.27	-0.26	2.18	1538.91	-116.53	282.36	1140.02	707.97
13	71	133	5.44	-1.57	-8.85e-02	3.96	2.86	301.10	-449.33	80.62	-228.85	341.83
13	71	134	9.63	-0.91	3.06	5.66	5.11	362.10	-532.65	63.17	-233.71	422.03
13	71	157	2.54	-1.88	-0.61	1.27	2.00	43.18	35.55	42.81	35.92	1.64
13	71	158	0.40	-2.58	-2.57	0.39	-0.19	-7.08	-262.71	-261.59	-8.20	-16.91
13	71	159	5.29	1.91	4.44	2.76	1.46	90.18	4.68	75.17	19.69	32.53
13	72	1	9.71	-24.76	9.68	-24.73	-1.06	93.35	-551.07	71.59	-529.31	116.41
13	72	7	4.08	1.33	3.33	2.08	-1.23	-70.26	-102.65	-75.48	-97.43	-11.91
13	72	127	11.99	-1.88	-1.83	11.93	-0.86	24.00	-44.35	-22.40	2.05	31.92
13	72	128	6.93	-2.44	-2.08	6.56	-1.81	-31.53	-52.62	-45.37	-38.79	10.02

13	72	129	9.40	0.11	9.39	0.12	0.23	243.44	-151.85	39.74	51.84	197.56
13	72	130	-7.51	-30.26	-8.29	-29.49	-4.13	-114.44	-437.51	-126.70	-425.25	-61.71
13	72	131	0.43	-30.07	-0.20	-29.44	-4.34	-31.75	-298.57	-58.99	-271.33	-80.79
13	72	133	0.77	-6.06	-3.12	-2.17	-3.38	65.17	-39.08	-38.02	64.11	10.44
13	72	134	3.10	-12.85	-4.52	-5.23	-7.97	-1.00	-127.07	-1.06	-127.01	-2.63
13	72	157	-1.00	-1.99	-1.99	-1.00	-1.42e-03	6.61	-30.88	-30.49	6.22	3.80
13	72	158	2.12	0.78	1.02	1.88	0.51	35.80	-28.74	-18.92	25.98	23.17
13	72	159	4.34	-3.81	1.53	-0.99	3.87	5.85	-19.61	-14.54	0.78	10.17
13	73	1	8.85	-8.10	-8.07	8.81	0.73	331.08	-297.87	-40.63	73.84	309.23
13	73	7	5.09	-1.86	-1.66	4.89	1.16	125.27	-219.90	-71.89	-22.74	170.83
13	73	127	5.83	-2.00	5.07	-1.24	2.31	164.57	0.81	128.68	36.70	67.74
13	73	128	4.03	-0.75	1.59	1.69	2.39	181.77	-101.32	73.21	7.24	137.65
13	73	129	1.48	-6.13	-6.13	1.48	-3.82e-02	178.20	-79.92	36.42	61.86	128.43
13	73	130	13.23	0.78	2.38	11.63	4.17	656.81	49.22	195.28	510.76	259.63
13	73	131	12.87	-2.05	-0.98	11.80	3.86	1162.79	-45.13	209.16	908.50	492.45
13	73	133	6.92	-1.53	1.33	4.06	4.00	237.06	-261.29	76.89	-101.12	232.73
13	73	134	15.07	-2.52	5.08	7.47	8.71	324.93	-282.12	61.98	-19.17	300.80
13	73	157	3.10	-1.18	0.35	1.57	2.05	58.50	33.89	53.63	38.75	-9.80
13	73	158	-0.25	-2.07	-2.07	-0.25	-3.46e-03	10.00	-205.25	-205.25	10.00	0.40
13	73	159	3.24	1.82	3.18	1.88	-0.29	69.03	0.12	60.80	8.35	22.35
13	74	1	6.89	-14.16	6.68	-13.94	-2.12	133.37	-424.31	127.56	-418.49	-56.64
13	74	7	2.92	-0.84	2.23	-0.15	-1.46	-1.75	-194.81	-36.95	-159.60	-74.55
13	74	127	6.95	-1.03	-0.93	6.85	-0.89	-18.60	-60.38	-59.82	-19.16	4.78
13	74	128	3.60	-1.61	-1.06	3.05	-1.59	-31.89	-115.16	-64.51	-82.54	-40.65
13	74	129	5.93	8.92e-02	5.86	0.16	-0.63	147.69	36.96	88.98	95.67	55.26
13	74	130	-3.93	-17.72	-4.57	-17.08	-2.91	-87.10	-583.03	-178.88	-491.25	-192.60
13	74	131	0.49	-17.77	9.49e-02	-17.38	-2.66	31.98	-667.02	-132.19	-502.85	-296.31
13	74	133	0.36	-4.14	-1.70	-2.08	-2.25	227.93	-77.84	-41.76	191.84	-98.65
13	74	134	1.42	-7.35	-2.51	-3.41	-4.36	174.39	-89.10	-2.24	87.54	-123.86
13	74	157	-0.70	-1.04	-1.03	-0.71	5.00e-02	10.96	-21.58	-19.67	9.06	-7.64
13	74	158	2.10	0.67	1.53	1.25	0.70	81.42	0.18	37.41	44.19	40.48
13	74	159	1.58	-3.19	0.27	-1.87	2.13	-10.56	-28.92	-28.92	-10.56	-1.01e-02
13	75	1	2.92	-19.65	2.80	-19.54	1.62	309.59	-702.35	-81.38	-311.38	492.73
13	75	7	7.45	1.75	1.82	7.38	0.62	174.85	-248.58	-130.00	56.26	190.13
13	75	127	11.51	1.22	1.40	11.33	1.33	197.09	-11.36	127.58	58.15	98.28
13	75	128	8.91	-1.17	-1.14	8.88	0.56	227.57	-108.04	56.08	63.45	167.77
13	75	129	5.22	0.59	4.75	1.06	1.39	351.15	-392.76	-35.43	-6.17	371.67
13	75	130	-7.02	-21.95	-7.09	-21.88	-1.02	546.07	-130.82	151.89	263.36	333.82
13	75	131	-1.00	-21.36	-1.12	-21.24	-1.57	1181.42	-152.17	214.79	814.46	595.58
13	75	133	1.70	-2.45	-2.41	1.67	-0.36	250.24	-412.40	26.27	-188.44	313.44
13	75	134	2.17	-3.32	-1.34	0.19	-2.63	280.00	-532.06	40.31	-292.36	370.39
13	75	157	0.80	-2.53	-1.97	0.24	1.25	29.03	-2.87	3.98	22.17	13.11
13	75	158	1.53	-1.68	-1.68	1.53	-0.12	-11.79	-225.20	-223.04	-13.96	-21.37
13	75	159	7.44	-0.79	4.51	2.14	3.94	76.59	1.77	54.41	23.95	34.17
13	76	1	6.76	-25.54	6.73	-25.51	0.93	216.16	-694.34	-38.10	-440.08	408.47
13	76	7	6.11	2.83	2.84	6.11	-7.06e-02	94.63	-197.12	-120.37	17.88	128.46
13	76	127	13.38	-0.34	-0.33	13.37	0.36	145.69	-20.04	82.38	43.27	80.52
13	76	128	9.24	-1.88	-1.86	9.22	-0.49	154.35	-92.25	23.58	38.52	123.07
13	76	129	8.14	0.30	7.95	0.49	1.19	341.78	-361.45	-21.75	2.08	351.41
13	76	130	-8.66	-29.70	-8.89	-29.47	-2.19	263.36	-189.98	60.45	12.92	225.42
13	76	131	-0.46	-29.37	-0.85	-28.98	-3.35	742.67	-140.25	134.16	468.27	408.63
13	76	133	1.03	-4.19	-3.20	4.34e-02	-2.05	155.12	-349.96	-2.33	-192.51	233.96
13	76	134	3.13	-9.25	-3.41	-2.71	-6.18	147.27	-553.88	24.44	-431.05	266.53
13	76	157	-0.14	-2.53	-2.29	-0.38	0.72	19.87	-19.64	-14.11	14.34	13.71
13	76	158	1.92	-0.76	-0.76	1.91	8.48e-02	-4.15	-159.04	-158.45	-4.74	-9.54
13	76	159	7.16	-2.24	3.82	1.10	4.50	54.50	-2.88	32.61	19.01	27.88
13	77	1	9.71	-5.23	-5.12	9.60	-1.26	72.41	-18.74	69.05	-15.38	17.16
13	77	7	0.86	-1.16	-1.16	0.86	2.94e-03	-19.19	-145.85	-27.00	-138.04	30.46
13	77	127	3.76	-2.86	3.58	-2.68	1.08	33.53	-14.14	23.90	-4.52	19.13
13	77	128	1.78	-1.39	1.37	-0.97	1.07	11.67	-77.47	4.27	-70.07	24.60
13	77	129	1.27	-4.85	-4.69	1.10	-1.00	131.10	78.44	97.92	111.63	-25.42
13	77	130	12.16	2.44	2.99	11.62	2.23	82.72	-2.01	8.13	72.58	-27.50
13	77	131	12.01	-0.99	-0.32	11.34	2.87	168.96	15.95	16.01	168.90	3.03
13	77	133	4.30	-1.05	1.41	1.84	2.67	156.24	40.45	41.19	155.50	9.22
13	77	134	11.41	-2.48	3.96	4.96	6.93	288.84	32.51	36.48	284.88	31.64
13	77	157	2.13	-0.54	0.65	0.94	1.33	53.93	13.96	37.25	30.64	-19.71
13	77	158	0.15	-0.71	-0.28	-0.28	0.43	50.18	-75.18	-65.72	40.73	33.11
13	77	159	1.40	-0.73	0.89	-0.21	-0.91	14.52	-10.76	13.64	-9.88	4.64

13	78	1	4.32	-1.88	-1.19	3.62	-1.96	128.83	-160.58	112.33	-144.09	-67.09
13	78	7	0.43	-0.98	-0.15	-0.41	-0.69	-11.47	-182.33	-17.37	-176.43	-31.21
13	78	127	1.85	-0.65	1.85	-0.64	0.12	-18.68	-22.02	-21.29	-19.40	1.38
13	78	128	0.65	-0.63	0.65	-0.63	1.55e-02	-22.65	-100.58	-28.23	-94.99	-20.10
13	78	129	1.09	-2.04	-1.48	0.53	-1.20	161.61	69.87	111.60	119.88	-45.68
13	78	130	4.38	0.83	1.19	4.02	1.07	13.31	-274.47	-83.31	-177.86	-135.90
13	78	131	3.90	-0.35	-5.34e-02	3.60	1.09	71.40	-313.30	-64.62	-177.29	-183.91
13	78	133	1.42	-0.58	0.62	0.21	0.98	180.79	-16.76	12.59	151.44	-70.27
13	78	134	5.36	-1.40	1.89	2.06	3.38	179.10	-12.30	20.62	146.19	-72.23
13	78	157	1.13	-0.47	0.33	0.33	0.80	40.18	1.78	19.15	22.81	-19.11
13	78	158	1.05	-0.31	0.64	0.10	0.63	76.09	-27.28	-1.13	49.94	44.94
13	78	159	0.27	-1.33	0.19	-1.25	-0.35	-7.77	-15.21	-8.16	-14.82	-1.66
13	79	1	3.05	-19.82	2.94	-19.70	1.63	311.96	-707.26	-80.61	-314.69	495.99
13	79	7	7.44	1.78	1.85	7.37	0.60	173.08	-248.48	-129.52	54.12	189.73
13	79	127	11.50	1.13	1.28	11.35	1.24	196.46	-10.45	128.35	57.66	97.23
13	79	128	8.91	-1.20	-1.17	8.88	0.53	227.09	-108.02	56.90	62.17	167.53
13	79	129	5.30	0.51	4.87	0.94	1.37	350.22	-391.56	-35.11	-6.23	370.61
13	79	130	-7.09	-22.15	-7.13	-22.12	-0.72	547.62	-132.70	152.56	262.37	335.70
13	79	131	-0.99	-21.62	-1.12	-21.49	-1.65	1187.21	-154.06	216.80	816.34	599.91
13	79	133	1.66	-2.48	-2.43	1.62	-0.43	239.29	-439.42	26.68	-226.81	314.80
13	79	134	2.22	-3.56	-1.43	8.77e-02	-2.79	257.97	-592.57	40.34	-374.94	371.14
13	79	157	0.77	-2.52	-1.96	0.21	1.23	28.89	-2.92	4.03	21.94	13.14
13	79	158	1.54	-1.67	-1.66	1.54	-0.10	-11.60	-222.84	-220.84	-13.60	-20.45
13	79	159	7.41	-0.80	4.53	2.08	3.92	76.38	2.08	54.63	23.83	33.81
13	80	1	6.62	-25.37	6.59	-25.35	0.92	213.60	-689.23	-38.87	-436.77	405.21
13	80	7	6.12	2.81	2.81	6.12	-4.77e-02	96.44	-197.27	-120.85	20.02	128.86
13	80	127	13.37	-0.22	-0.21	13.36	0.45	146.42	-21.05	81.61	43.77	81.57
13	80	128	9.24	-1.85	-1.83	9.22	-0.46	154.88	-92.32	22.75	39.81	123.31
13	80	129	8.04	0.41	7.84	0.61	1.22	342.72	-362.64	-22.07	2.15	352.47
13	80	130	-8.56	-29.53	-8.85	-29.24	-2.48	261.56	-187.87	59.78	13.92	223.54
13	80	131	-0.48	-29.10	-0.86	-28.73	-3.27	736.74	-138.21	132.15	466.38	404.30
13	80	133	1.03	-4.12	-3.18	9.62e-02	-1.98	166.17	-323.05	-2.74	-154.14	232.60
13	80	134	3.08	-9.00	-3.31	-2.61	-6.03	162.63	-486.69	24.42	-348.48	265.78
13	80	157	-0.11	-2.55	-2.30	-0.35	0.74	20.04	-19.63	-14.16	14.57	13.67
13	80	158	1.91	-0.78	-0.77	1.91	7.25e-02	-4.40	-161.35	-160.65	-5.10	-10.46
13	80	159	7.19	-2.23	3.81	1.15	4.51	54.77	-3.26	32.39	19.13	28.24
13	81	1	9.54	-5.09	-4.98	9.43	-1.26	74.31	-23.19	69.82	-18.70	20.42
13	81	7	0.86	-1.14	-1.14	0.85	-1.99e-02	-19.06	-147.65	-26.52	-140.19	30.06
13	81	127	3.61	-2.82	3.46	-2.67	1.00	33.23	-13.57	24.68	-5.02	18.09
13	81	128	1.73	-1.37	1.34	-0.97	1.03	12.20	-78.45	5.10	-71.35	24.36
13	81	129	1.16	-4.75	-4.57	0.98	-1.03	132.21	77.59	98.24	111.56	-26.49
13	81	130	12.08	2.25	2.95	11.38	2.53	80.72	-0.33	8.80	71.59	-25.62
13	81	131	11.73	-0.97	-0.32	11.09	2.79	171.14	17.67	18.02	170.78	7.36
13	81	133	4.20	-1.02	1.39	1.79	2.60	118.59	40.15	41.60	117.13	10.57
13	81	134	11.16	-2.43	3.87	4.86	6.77	208.40	30.41	36.51	202.30	32.38
13	81	157	2.11	-0.53	0.66	0.92	1.31	53.83	13.88	37.30	30.41	-19.68
13	81	158	0.17	-0.71	-0.27	-0.27	0.44	51.18	-73.62	-63.52	41.08	34.03
13	81	159	1.41	-0.78	0.90	-0.27	-0.93	14.61	-10.74	13.86	-10.00	4.27
13	82	1	4.45	-1.99	-1.33	3.79	-1.96	129.85	-159.06	111.56	-140.77	-70.35
13	82	7	0.39	-0.96	-0.18	-0.40	-0.67	-12.00	-180.13	-17.85	-174.28	-30.81
13	82	127	1.98	-0.67	1.97	-0.66	0.20	-17.60	-23.38	-22.07	-18.91	2.42
13	82	128	0.68	-0.63	0.68	-0.63	4.72e-02	-23.44	-99.33	-29.06	-93.71	-19.86
13	82	129	1.16	-2.10	-1.60	0.65	-1.17	160.44	70.78	111.28	119.94	-44.62
13	82	130	4.44	1.04	1.22	4.26	0.77	14.97	-275.82	-83.98	-176.86	-137.78
13	82	131	4.18	-0.38	-5.49e-02	3.85	1.17	73.58	-319.38	-66.63	-179.17	-188.25
13	82	133	1.52	-0.61	0.64	0.27	1.05	215.09	-13.10	12.18	189.81	-71.62
13	82	134	5.61	-1.46	1.99	2.16	3.53	251.79	-2.44	20.59	228.76	-72.97
13	82	157	1.15	-0.48	0.32	0.35	0.82	40.31	1.83	19.11	23.03	-19.14
13	82	158	1.03	-0.31	0.62	9.82e-02	0.61	74.48	-28.23	-3.33	49.58	44.02
13	82	159	0.25	-1.27	0.18	-1.20	-0.33	-8.13	-14.95	-8.38	-14.70	-1.29
13	83	1	3.09	-19.95	2.97	-19.83	1.64	307.46	-707.07	-83.56	-316.05	493.76
13	83	7	7.27	1.78	1.85	7.20	0.63	172.50	-259.10	-131.72	45.12	196.86
13	83	127	11.48	1.10	1.25	11.33	1.24	194.36	-10.85	127.37	56.14	96.23
13	83	128	8.82	-1.31	-1.28	8.79	0.52	223.09	-109.35	56.55	57.19	166.22
13	83	129	5.35	0.58	4.91	1.02	1.39	347.61	-392.03	-36.77	-7.66	369.53
13	83	130	-7.10	-22.30	-7.18	-22.22	-1.07	543.77	-132.45	152.04	259.28	333.83
13	83	131	-1.00	-21.70	-1.13	-21.56	-1.66	1180.59	-152.88	216.32	811.39	596.66
13	83	133	1.67	-2.50	-2.46	1.62	-0.41	255.90	-409.53	38.87	-192.49	311.96

13	83	134	2.23	-3.61	-1.46	7.71e-02	-2.82	275.93	-535.31	40.03	-299.41	368.40
13	83	157	0.73	-2.53	-1.98	0.19	1.22	29.15	-0.99	5.67	22.50	12.50
13	83	158	1.50	-1.68	-1.68	1.50	-0.10	-10.24	-223.89	-222.35	-11.78	-18.08
13	83	159	7.39	-0.77	4.44	2.17	3.92	75.23	1.35	53.87	22.71	33.49
13	84	1	6.93	-25.84	6.90	-25.81	0.94	214.21	-699.24	-40.28	-444.76	409.51
13	84	7	5.93	2.86	2.86	5.93	-6.11e-02	92.07	-207.42	-122.09	6.74	135.18
13	84	127	13.37	-0.48	-0.47	13.37	0.28	142.81	-19.38	82.17	41.26	78.47
13	84	128	9.16	-2.03	-2.00	9.14	-0.53	149.75	-93.44	24.04	32.27	121.52
13	84	129	8.29	0.28	8.11	0.46	1.19	338.23	-360.72	-23.09	0.60	349.28
13	84	130	-8.74	-30.06	-8.98	-29.82	-2.24	261.63	-192.18	60.60	8.84	225.43
13	84	131	-0.45	-29.72	-0.86	-29.31	-3.44	742.05	-141.16	135.69	465.20	409.72
13	84	133	1.03	-4.28	-3.25	-1.71e-03	-2.10	161.29	-347.58	10.27	-196.56	232.47
13	84	134	3.20	-9.55	-3.53	-2.82	-6.37	144.32	-558.26	24.16	-438.10	264.54
13	84	157	-0.20	-2.53	-2.30	-0.43	0.69	19.96	-17.73	-12.43	14.67	13.10
13	84	158	1.89	-0.76	-0.76	1.88	9.55e-02	-2.32	-158.01	-157.76	-2.57	-6.25
13	84	159	7.11	-2.22	3.75	1.14	4.48	53.04	-3.20	32.07	17.78	27.20
13	85	1	10.00	-5.40	-5.29	9.89	-1.28	74.29	-13.77	71.23	-10.71	16.13
13	85	7	1.05	-1.19	-1.19	1.05	-6.49e-03	-20.01	-132.17	-25.28	-126.90	23.73
13	85	127	3.93	-2.88	3.72	-2.68	1.17	35.82	-14.22	24.11	-2.51	21.18
13	85	128	1.95	-1.32	1.51	-0.89	1.11	12.73	-72.74	3.80	-63.81	26.15
13	85	129	1.30	-5.00	-4.84	1.14	-0.99	130.48	81.89	99.25	113.11	-23.29
13	85	130	12.52	2.52	3.07	11.96	2.29	86.32	-1.68	7.98	76.66	-27.50
13	85	131	12.36	-1.01	-0.32	11.67	2.97	171.99	14.46	14.48	171.97	1.94
13	85	133	4.40	-1.06	1.46	1.89	2.72	160.43	27.73	28.60	159.56	10.71
13	85	134	11.71	-2.55	4.09	5.07	7.11	296.28	32.40	36.76	291.93	33.63
13	85	157	2.20	-0.54	0.66	0.99	1.36	52.22	13.66	35.57	30.31	-19.10
13	85	158	0.15	-0.68	-0.28	-0.25	0.42	46.43	-74.30	-66.42	38.55	29.82
13	85	159	1.43	-0.73	0.96	-0.25	-0.89	15.36	-9.83	14.18	-8.65	5.32
13	86	1	4.58	-2.02	-1.36	3.92	-1.97	131.64	-156.54	114.51	-139.41	-68.13
13	86	7	0.50	-0.90	-0.18	-0.23	-0.70	-6.58	-174.35	-15.65	-165.28	-37.94
13	86	127	2.01	-0.66	2.00	-0.64	0.21	-15.35	-23.13	-21.08	-17.39	3.43
13	86	128	0.79	-0.55	0.79	-0.54	6.18e-02	-23.43	-94.00	-28.70	-88.73	-18.55
13	86	129	1.09	-2.16	-1.64	0.57	-1.19	160.90	73.40	112.94	121.36	-43.54
13	86	130	4.73	0.91	1.27	4.37	1.12	14.59	-271.83	-83.46	-173.78	-135.91
13	86	131	4.25	-0.37	-4.68e-02	3.92	1.18	72.55	-312.92	-66.15	-174.22	-185.00
13	86	133	1.51	-0.59	0.67	0.26	1.03	181.55	-26.07	-7.60e-03	155.49	-68.78
13	86	134	5.66	-1.47	2.02	2.17	3.56	183.56	-9.43	20.90	153.24	-70.24
13	86	157	1.19	-0.47	0.34	0.38	0.83	38.64	1.31	17.47	22.48	-18.50
13	86	158	1.05	-0.28	0.63	0.13	0.62	71.44	-25.50	-1.83	47.77	41.65
13	86	159	0.33	-1.36	0.26	-1.29	-0.33	-7.46	-13.74	-7.62	-13.58	-0.98
13	87	1	3.22	-20.11	3.11	-20.00	1.64	309.83	-711.99	-82.79	-319.37	497.02
13	87	7	7.26	1.80	1.87	7.19	0.61	170.77	-259.03	-131.24	42.98	196.45
13	87	127	11.48	1.00	1.13	11.35	1.15	193.74	-9.96	128.14	55.64	95.18
13	87	128	8.82	-1.34	-1.32	8.80	0.48	222.62	-109.34	57.37	55.91	165.98
13	87	129	5.43	0.49	5.02	0.90	1.36	346.67	-390.84	-36.45	-7.72	368.47
13	87	130	-7.18	-22.50	-7.22	-22.46	-0.78	545.33	-134.33	152.71	258.29	335.70
13	87	131	-0.98	-21.96	-1.13	-21.82	-1.74	1186.39	-154.78	218.33	813.27	601.00
13	87	133	1.63	-2.53	-2.48	1.57	-0.48	245.39	-436.98	39.28	-230.86	313.31
13	87	134	2.28	-3.86	-1.56	-2.34e-02	-2.97	254.24	-596.17	40.06	-381.99	369.15
13	87	157	0.70	-2.51	-1.97	0.16	1.20	29.01	-1.03	5.71	22.27	12.53
13	87	158	1.51	-1.66	-1.66	1.51	-9.22e-02	-10.03	-221.55	-220.15	-11.43	-17.16
13	87	159	7.36	-0.78	4.46	2.12	3.90	75.02	1.67	54.09	22.60	33.12
13	88	1	6.79	-25.67	6.76	-25.64	0.94	211.65	-694.14	-41.05	-441.44	406.25
13	88	7	5.94	2.84	2.84	5.94	-3.83e-02	93.83	-207.52	-122.57	8.88	135.59
13	88	127	13.36	-0.36	-0.36	13.35	0.36	143.53	-20.37	81.40	41.75	79.52
13	88	128	9.16	-1.99	-1.97	9.13	-0.50	150.25	-93.48	23.22	33.55	121.76
13	88	129	8.19	0.38	7.99	0.58	1.21	339.17	-361.92	-23.41	0.66	350.34
13	88	130	-8.64	-29.89	-8.94	-29.58	-2.53	259.83	-190.06	59.93	9.84	223.55
13	88	131	-0.47	-29.45	-0.86	-29.05	-3.36	736.11	-139.11	133.68	463.32	405.39
13	88	133	1.02	-4.20	-3.23	5.10e-02	-2.03	171.75	-320.09	9.86	-158.19	231.12
13	88	134	3.14	-9.30	-3.44	-2.72	-6.21	159.30	-490.69	24.14	-355.53	263.79
13	88	157	-0.17	-2.55	-2.31	-0.40	0.71	20.13	-17.71	-12.48	14.90	13.07
13	88	158	1.88	-0.77	-0.77	1.88	8.32e-02	-2.60	-160.28	-159.96	-2.92	-7.17
13	88	159	7.14	-2.21	3.74	1.19	4.50	53.30	-3.56	31.85	17.89	27.56
13	89	1	9.84	-5.26	-5.15	9.73	-1.27	76.17	-18.19	72.00	-14.02	19.39
13	89	7	1.04	-1.16	-1.16	1.04	-2.93e-02	-19.82	-134.03	-24.80	-129.05	23.33
13	89	127	3.78	-2.84	3.60	-2.66	1.08	35.43	-13.55	24.89	-3.01	20.14
13	89	128	1.90	-1.30	1.48	-0.88	1.08	13.20	-73.66	4.63	-65.09	25.91
13	89	129	1.19	-4.90	-4.73	1.02	-1.02	131.57	81.05	99.58	113.05	-24.35
13	89	130	12.43	2.33	3.04	11.72	2.58	84.34	-2.83e-02	8.65	75.67	-25.63

13	89	131	12.08	-0.99	-0.31	11.41	2.88	174.10	16.24	16.49	173.85	6.28
13	89	133	4.29	-1.02	1.44	1.83	2.65	122.74	27.45	29.01	121.19	12.06
13	89	134	11.46	-2.49	3.99	4.97	6.96	215.94	30.19	36.79	209.35	34.37
13	89	157	2.17	-0.53	0.67	0.97	1.34	52.12	13.58	35.62	30.08	-19.07
13	89	158	0.17	-0.69	-0.27	-0.24	0.43	47.37	-72.69	-64.22	38.91	30.74
13	89	159	1.45	-0.78	0.97	-0.31	-0.91	15.42	-9.78	14.41	-8.76	4.95
13	90	1	4.71	-2.13	-1.50	4.09	-1.98	132.70	-155.06	113.74	-136.10	-71.39
13	90	7	0.47	-0.89	-0.20	-0.22	-0.68	-7.10	-172.17	-16.13	-163.14	-37.53
13	90	127	2.14	-0.69	2.11	-0.66	0.29	-14.26	-24.49	-21.86	-16.90	4.47
13	90	128	0.83	-0.55	0.83	-0.55	9.35e-02	-24.22	-92.76	-29.53	-87.45	-18.31
13	90	129	1.16	-2.22	-1.75	0.69	-1.17	159.73	74.31	112.62	121.43	-42.48
13	90	130	4.80	1.12	1.31	4.60	0.83	16.28	-273.20	-84.13	-172.78	-137.78
13	90	131	4.53	-0.40	-4.83e-02	4.18	1.27	74.74	-319.01	-68.16	-176.11	-189.33
13	90	133	1.61	-0.62	0.68	0.31	1.10	216.53	-23.09	-0.42	193.86	-70.13
13	90	134	5.91	-1.53	2.11	2.27	3.72	257.14	-0.45	20.87	235.81	-70.98
13	90	157	1.22	-0.48	0.33	0.40	0.85	38.79	1.35	17.43	22.71	-18.53
13	90	158	1.03	-0.28	0.62	0.13	0.60	69.86	-26.48	-4.03	47.41	40.73
13	90	159	0.31	-1.30	0.25	-1.24	-0.31	-7.77	-13.53	-7.84	-13.47	-0.61
13	91	1	-1.67	-5.26	-4.56	-2.37	1.43	356.29	-493.14	-79.22	-57.62	424.58
13	91	7	6.79	-0.61	-0.40	6.58	1.22	181.40	-253.54	-105.18	33.03	206.20
13	91	127	6.48	1.75	4.17	4.05	2.36	200.68	-3.08	144.02	53.58	91.29
13	91	128	5.78	-0.16	0.58	5.03	1.97	231.30	-109.63	75.86	45.80	169.80
13	91	129	1.88	-2.44	-2.29	1.74	0.79	267.11	-246.41	-4.73	25.43	256.32
13	91	130	0.11	-2.87	-1.47	-1.29	1.48	710.60	-13.59	208.25	488.77	333.83
13	91	131	1.09	-3.05	-1.16	-0.80	2.06	1329.56	-97.87	239.28	992.41	606.29
13	91	133	5.01	-1.53	-0.15	3.63	2.67	307.25	-305.70	64.86	-63.31	299.70
13	91	134	9.08	-0.90	2.93	5.24	4.85	437.55	-308.60	57.48	71.48	373.01
13	91	157	2.37	-1.85	-0.68	1.21	1.89	37.05	33.96	36.75	34.27	0.92
13	91	158	0.46	-2.27	-2.26	0.45	-0.16	-4.48	-244.42	-243.34	-5.56	-16.10
13	91	159	5.05	1.52	4.05	2.52	1.59	80.98	2.46	65.58	17.87	31.18
13	92	1	8.57	-22.31	8.54	-22.29	-0.89	100.25	-521.84	65.05	-486.64	143.73
13	92	7	3.80	1.52	2.97	2.35	-1.10	-73.07	-94.92	-73.09	-94.91	0.62
13	92	127	10.90	-1.64	-1.58	10.84	-0.85	31.21	-33.87	-6.63	3.97	32.10
13	92	128	6.46	-2.11	-1.83	6.17	-1.54	-13.93	-55.84	-32.47	-37.29	20.82
13	92	129	8.39	-0.16	8.39	-0.16	0.12	235.81	-141.98	40.89	52.94	188.80
13	92	130	-7.16	-26.91	-7.46	-26.61	-2.41	-93.54	-349.02	-96.54	-346.03	-27.51
13	92	131	0.30	-27.17	-0.26	-26.61	-3.87	-27.36	-163.69	-29.48	-161.57	-16.86
13	92	133	0.71	-5.29	-2.79	-1.79	-2.96	-11.90	-95.45	-30.48	-76.87	34.74
13	92	134	2.78	-11.18	-3.97	-4.43	-6.98	6.40	-392.63	4.59	-390.82	26.78
13	92	157	-0.83	-1.77	-1.74	-0.86	0.14	8.43	-23.85	-23.59	8.17	2.92
13	92	158	1.95	0.58	0.80	1.73	0.51	33.93	-36.82	-28.03	25.14	23.33
13	92	159	4.11	-3.30	1.74	-0.93	3.45	8.20	-13.89	-7.09	1.41	10.19
13	93	1	6.40	-6.96	-6.94	6.37	0.56	282.33	-285.25	-34.09	31.18	281.91
13	93	7	4.80	-1.47	-1.30	4.63	1.03	110.41	-209.95	-74.28	-25.26	158.30
13	93	127	5.72	-1.05	4.83	-0.15	2.29	151.88	-4.19	112.92	34.78	67.55
13	93	128	3.85	-0.44	1.34	2.08	2.12	162.79	-96.72	60.32	5.75	126.85
13	93	129	1.75	-5.12	-5.12	1.75	6.99e-02	185.81	-89.76	35.28	60.77	137.19
13	93	130	9.52	0.80	1.56	8.75	2.46	560.17	36.48	165.12	431.53	225.43
13	93	131	10.02	-1.97	-0.92	8.97	3.39	1017.83	-39.44	179.65	798.74	428.53
13	93	133	6.16	-1.48	0.99	3.68	3.58	263.56	-154.35	69.34	39.87	208.44
13	93	134	13.39	-2.20	4.52	6.67	7.72	437.74	-136.77	56.33	244.65	271.39
13	93	157	2.78	-1.26	0.10	1.42	1.91	51.98	31.56	46.73	36.81	-8.92
13	93	158	-9.53e-02	-1.84	-1.84	-9.53e-02	3.79e-03	10.84	-196.14	-196.14	10.84	0.24
13	93	159	2.98	1.80	2.96	1.82	0.14	62.45	-1.38	53.35	7.72	22.32
13	94	1	6.33	-13.70	6.17	-13.54	-1.76	110.18	-397.85	110.18	-397.85	1.06
13	94	7	2.77	-0.30	2.07	0.39	-1.29	-24.79	-170.61	-42.19	-153.20	-47.28
13	94	127	6.75	-1.04	-0.93	6.64	-0.92	-12.10	-40.46	-37.74	-14.83	8.36
13	94	128	3.63	-1.48	-1.07	3.22	-1.39	-36.13	-89.23	-48.02	-77.34	-22.14
13	94	129	5.62	-0.20	5.56	-0.14	-0.60	154.35	14.82	80.89	88.28	69.67
13	94	130	-4.27	-16.73	-4.44	-16.56	-1.44	-82.15	-460.78	-139.67	-403.26	-135.91
13	94	131	0.36	-17.21	-2.00e-02	-16.83	-2.54	13.59	-457.94	-89.11	-355.24	-194.63
13	94	133	0.36	-3.74	-1.64	-1.74	-2.05	62.44	-62.13	-26.00	26.31	-56.53
13	94	134	1.43	-6.80	-2.38	-2.99	-4.11	26.40	-240.60	3.45	-217.65	-74.84
13	94	157	-0.57	-1.03	-0.96	-0.64	0.16	12.54	-15.44	-13.61	10.71	-6.92
13	94	158	1.87	0.53	1.22	1.19	0.67	71.58	-10.87	19.16	41.55	39.67
13	94	159	1.81	-2.80	0.65	-1.64	2.00	-8.57	-19.49	-19.32	-8.74	1.33
13	95	1	-1.72	-5.24	-4.51	-2.46	1.43	355.57	-494.46	-79.87	-59.03	424.89
13	95	7	6.74	-0.60	-0.39	6.53	1.22	180.94	-256.94	-105.69	29.69	208.21

13	95	127	6.43	1.75	4.13	4.05	2.34	199.92	-2.98	143.96	52.98	90.68
13	95	128	5.74	-0.19	0.54	5.01	1.95	230.06	-110.13	76.00	43.92	169.34
13	95	129	1.88	-2.39	-2.24	1.73	0.79	266.05	-246.19	-5.13	24.98	255.68
13	95	130	2.50e-02	-2.91	-1.49	-1.40	1.47	709.77	-13.94	208.29	487.54	333.83
13	95	131	1.01	-3.07	-1.16	-0.90	2.04	1329.24	-98.01	239.74	991.49	606.61
13	95	133	4.98	-1.53	-0.17	3.61	2.65	308.63	-304.52	68.64	-64.53	299.26
13	95	134	8.99	-0.88	2.90	5.21	4.80	435.84	-309.08	57.40	69.36	372.41
13	95	157	2.35	-1.85	-0.69	1.19	1.88	37.43	34.19	37.25	34.37	0.74
13	95	158	0.45	-2.27	-2.26	0.44	-0.16	-3.96	-244.08	-243.13	-4.91	-15.11
13	95	159	5.03	1.53	4.03	2.53	1.58	80.62	2.30	65.42	17.50	30.98
13	96	1	8.62	-22.40	8.60	-22.37	-0.89	99.69	-523.35	64.39	-488.05	144.04
13	96	7	3.78	1.49	2.98	2.29	-1.10	-73.33	-98.53	-73.61	-98.25	2.64
13	96	127	10.90	-1.68	-1.62	10.84	-0.87	30.22	-33.55	-6.70	3.37	31.49
13	96	128	6.44	-2.16	-1.87	6.15	-1.55	-15.11	-56.39	-32.33	-39.17	20.35
13	96	129	8.44	-0.17	8.44	-0.17	0.12	234.74	-141.76	40.49	52.49	188.16
13	96	130	-7.19	-27.02	-7.49	-26.72	-2.43	-93.51	-350.23	-96.50	-347.25	-27.51
13	96	131	0.30	-27.27	-0.26	-26.71	-3.90	-27.00	-164.51	-29.02	-162.49	-16.54
13	96	133	0.71	-5.32	-2.80	-1.81	-2.97	-9.54	-95.25	-26.70	-78.09	34.29
13	96	134	2.80	-11.27	-4.00	-4.46	-7.03	6.23	-394.66	4.51	-392.94	26.19
13	96	157	-0.85	-1.77	-1.75	-0.87	0.13	8.50	-23.32	-23.08	8.27	2.74
13	96	158	1.95	0.57	0.80	1.72	0.51	35.18	-37.21	-27.83	25.80	24.32
13	96	159	4.09	-3.29	1.72	-0.92	3.45	7.71	-13.93	-7.26	1.04	9.99
13	97	1	6.48	-7.01	-6.99	6.46	0.56	283.10	-283.95	-33.44	32.58	281.60
13	97	7	4.85	-1.48	-1.31	4.68	1.03	110.57	-206.25	-73.76	-21.91	156.28
13	97	127	5.78	-1.06	4.87	-0.15	2.32	152.61	-4.25	112.98	35.38	68.16
13	97	128	3.90	-0.42	1.38	2.10	2.13	163.90	-96.10	60.18	7.62	127.32
13	97	129	1.76	-5.17	-5.17	1.76	7.24e-02	186.87	-89.98	35.68	61.21	137.83
13	97	130	9.62	0.82	1.58	8.86	2.48	561.08	36.75	165.07	432.76	225.43
13	97	131	10.13	-1.98	-0.92	9.07	3.42	1018.20	-39.35	179.19	799.66	428.20
13	97	133	6.18	-1.48	1.01	3.69	3.59	262.56	-155.92	65.56	41.09	208.88
13	97	134	13.48	-2.22	4.56	6.71	7.78	439.74	-136.56	56.42	246.76	271.98
13	97	157	2.80	-1.26	0.11	1.43	1.92	51.42	31.52	46.22	36.71	-8.74
13	97	158	-8.64e-02	-1.84	-1.84	-8.64e-02	5.81e-04	10.19	-196.35	-196.35	10.19	-0.75
13	97	159	3.00	1.79	2.98	1.81	0.14	62.79	-1.19	53.51	8.09	22.53
13	98	1	6.28	-13.61	6.12	-13.46	-1.76	110.83	-396.44	110.83	-396.44	0.75
13	98	7	2.78	-0.27	2.07	0.45	-1.29	-22.58	-168.95	-41.68	-149.86	-49.30
13	98	127	6.74	-0.99	-0.88	6.64	-0.89	-11.19	-40.71	-37.67	-14.23	8.97
13	98	128	3.65	-1.43	-1.03	3.25	-1.37	-36.20	-87.42	-48.16	-75.46	-21.67
13	98	129	5.57	-0.19	5.51	-0.13	-0.59	155.42	14.60	81.30	88.72	70.31
13	98	130	-4.25	-16.63	-4.41	-16.46	-1.42	-82.00	-459.75	-139.71	-402.04	-135.91
13	98	131	0.35	-17.11	-1.80e-02	-16.74	-2.51	13.70	-457.59	-89.57	-354.32	-194.95
13	98	133	0.36	-3.71	-1.63	-1.73	-2.03	61.85	-64.10	-29.78	27.53	-56.08
13	98	134	1.41	-6.71	-2.34	-2.96	-4.05	26.32	-238.33	3.53	-215.54	-74.25
13	98	157	-0.55	-1.03	-0.95	-0.63	0.17	12.33	-15.83	-14.11	10.61	-6.74
13	98	158	1.87	0.54	1.22	1.20	0.67	70.14	-10.29	18.95	40.90	38.69
13	98	159	1.83	-2.80	0.68	-1.65	2.00	-8.15	-19.38	-19.16	-8.37	1.54
13	99	1	-1.95	-5.07	-4.10	-2.92	1.44	362.80	-508.13	-76.65	-68.68	435.44
13	99	7	6.74	-0.51	-0.32	6.55	1.14	175.99	-253.68	-103.58	25.89	204.85
13	99	127	6.02	1.85	3.78	4.10	2.08	199.02	-0.49	146.60	51.93	87.80
13	99	128	5.70	-0.19	0.47	5.04	1.86	230.10	-109.96	78.62	41.53	169.02
13	99	129	1.48	-2.05	-1.90	1.33	0.70	263.97	-242.41	-3.66	25.22	252.78
13	99	130	0.64	-4.31	-1.59	-2.09	2.46	714.80	-18.86	210.48	485.46	340.09
13	99	131	0.41	-3.21	-1.15	-1.65	1.79	1348.24	-103.57	245.99	998.68	620.73
13	99	133	4.67	-1.43	-0.22	3.45	2.44	267.83	-392.81	66.23	-191.21	304.21
13	99	134	8.25	-0.73	2.62	4.91	4.34	324.46	-470.68	57.57	-203.78	375.48
13	99	157	2.28	-1.80	-0.64	1.12	1.84	37.18	33.22	36.89	33.51	1.03
13	99	158	0.47	-2.22	-2.21	0.47	-0.12	-3.65	-236.73	-236.00	-4.38	-13.04
13	99	159	4.98	1.47	4.10	2.35	1.52	80.55	3.25	66.32	17.48	29.96
13	100	1	8.11	-21.76	8.09	-21.73	-0.91	93.50	-506.60	62.48	-475.59	132.86
13	100	7	3.69	1.58	2.89	2.38	-1.02	-74.40	-88.05	-74.69	-87.76	1.97
13	100	127	10.82	-1.21	-1.18	10.79	-0.56	34.56	-38.15	-9.21	5.62	35.59
13	100	128	6.42	-1.97	-1.72	6.17	-1.43	-12.49	-55.75	-35.23	-33.01	21.60
13	100	129	8.01	0.24	8.00	0.25	0.21	238.93	-145.96	39.82	53.15	192.33
13	100	130	-6.74	-26.42	-7.34	-25.82	-3.39	-94.19	-347.30	-98.78	-342.71	-33.77
13	100	131	0.23	-26.26	-0.27	-25.76	-3.60	-29.12	-174.91	-36.19	-167.84	-31.30
13	100	133	0.61	-4.95	-2.72	-1.62	-2.73	60.88	-41.71	-31.85	51.03	30.24
13	100	134	2.60	-10.34	-3.65	-4.09	-6.46	9.24	-120.30	4.51	-115.57	24.31
13	100	157	-0.73	-1.82	-1.78	-0.76	0.19	9.17	-23.97	-23.73	8.93	2.82
13	100	158	1.90	0.56	0.75	1.71	0.47	30.22	-41.63	-35.37	23.96	20.27
13	100	159	4.19	-3.26	1.69	-0.76	3.52	9.37	-15.41	-7.83	1.80	11.42

13	101	1	5.85	-6.50	-6.48	5.82	0.58	288.21	-299.61	-31.52	20.12	292.78
13	101	7	4.75	-1.37	-1.22	4.60	0.96	105.69	-210.78	-72.68	-32.40	156.95
13	101	127	5.19	-0.86	4.43	-0.10	2.00	150.47	-1.85	115.50	33.12	64.06
13	101	128	3.71	-0.40	1.23	2.08	2.01	162.05	-97.50	63.07	1.47	126.06
13	101	129	1.35	-4.73	-4.73	1.35	-1.81e-02	182.65	-85.75	36.35	60.55	133.65
13	101	130	9.44	-4.32e-02	1.43	7.96	3.44	563.67	31.91	167.36	428.22	231.69
13	101	131	9.10	-1.89	-0.91	8.12	3.12	1035.96	-44.60	186.36	805.01	442.97
13	101	133	5.80	-1.37	0.93	3.50	3.35	218.59	-235.91	70.71	-88.03	212.94
13	101	134	12.56	-2.01	4.21	6.34	7.21	290.20	-264.39	56.42	-30.61	273.86
13	101	157	2.69	-1.22	0.14	1.33	1.86	51.80	31.11	46.87	36.05	-8.82
13	101	158	-7.19e-02	-1.80	-1.80	-7.30e-02	4.46e-02	12.08	-188.86	-188.81	12.02	3.30
13	101	159	3.02	1.64	3.01	1.64	6.93e-02	62.20	-0.78	54.09	7.33	21.10
13	102	1	5.88	-13.16	5.71	-12.99	-1.78	107.80	-386.98	107.61	-386.79	-9.81
13	102	7	2.65	-0.23	1.99	0.42	-1.21	-26.19	-163.66	-43.79	-146.05	-45.93
13	102	127	6.65	-0.59	-0.53	6.59	-0.63	-8.73	-44.76	-40.32	-13.18	11.85
13	102	128	3.57	-1.32	-0.96	3.21	-1.28	-37.84	-86.00	-50.77	-73.07	-21.35
13	102	129	5.22	0.21	5.17	0.26	-0.51	157.49	10.82	79.82	88.49	73.20
13	102	130	-3.83	-16.26	-4.32	-15.77	-2.42	-78.94	-462.91	-141.91	-399.95	-142.17
13	102	131	0.29	-16.31	-2.50e-02	-15.99	-2.27	19.04	-476.37	-95.82	-361.51	-209.07
13	102	133	0.25	-3.39	-1.58	-1.57	-1.82	172.82	-45.98	-27.37	154.21	-61.03
13	102	134	1.25	-5.97	-2.06	-2.66	-3.60	112.42	-51.45	3.36	57.61	-77.32
13	102	157	-0.47	-1.08	-1.00	-0.55	0.21	13.29	-15.58	-13.75	11.47	-7.03
13	102	158	1.80	0.54	1.17	1.16	0.63	65.39	-13.20	11.83	40.36	36.61
13	102	159	1.88	-2.74	0.60	-1.46	2.07	-7.82	-20.60	-20.06	-8.35	2.56
13	103	1	-1.99	-5.07	-4.05	-3.01	1.45	362.08	-509.46	-77.31	-70.08	435.76
13	103	7	6.68	-0.50	-0.31	6.50	1.14	175.57	-257.12	-104.10	22.55	206.87
13	103	127	5.98	1.86	3.73	4.10	2.05	198.27	-0.41	146.54	51.32	87.19
13	103	128	5.66	-0.22	0.43	5.01	1.85	228.89	-110.48	78.76	39.65	168.55
13	103	129	1.47	-2.00	-1.86	1.32	0.70	262.91	-242.20	-4.06	24.77	252.14
13	103	130	0.56	-4.37	-1.62	-2.19	2.45	713.97	-19.21	210.53	484.23	340.09
13	103	131	0.34	-3.24	-1.15	-1.75	1.76	1347.93	-103.72	246.45	997.76	621.06
13	103	133	4.64	-1.43	-0.23	3.44	2.42	269.68	-392.10	70.01	-192.43	303.76
13	103	134	8.16	-0.71	2.58	4.87	4.29	323.14	-471.55	57.48	-205.90	374.89
13	103	157	2.26	-1.80	-0.65	1.10	1.83	37.57	33.43	37.39	33.61	0.84
13	103	158	0.47	-2.22	-2.21	0.46	-0.11	-3.10	-236.42	-235.79	-3.73	-12.05
13	103	159	4.97	1.47	4.08	2.36	1.52	80.19	3.08	66.16	17.11	29.75
13	104	1	8.17	-21.85	8.14	-21.82	-0.91	92.94	-508.11	61.83	-476.99	133.17
13	104	7	3.67	1.55	2.90	2.32	-1.02	-74.26	-92.05	-75.21	-91.10	3.98
13	104	127	10.82	-1.25	-1.23	10.79	-0.59	33.57	-37.83	-9.28	5.02	34.98
13	104	128	6.40	-2.01	-1.76	6.14	-1.45	-13.85	-56.13	-35.09	-34.89	21.14
13	104	129	8.05	0.23	8.05	0.24	0.21	237.87	-145.74	39.42	52.71	191.69
13	104	130	-6.76	-26.53	-7.37	-25.92	-3.41	-94.17	-348.50	-98.73	-343.94	-33.77
13	104	131	0.24	-26.37	-0.27	-25.86	-3.63	-28.87	-175.62	-35.73	-168.76	-30.98
13	104	133	0.61	-4.98	-2.74	-1.63	-2.74	59.90	-38.16	-28.07	49.81	29.79
13	104	134	2.62	-10.43	-3.69	-4.12	-6.52	8.87	-122.12	4.42	-117.68	23.71
13	104	157	-0.75	-1.82	-1.79	-0.78	0.18	9.24	-23.44	-23.23	9.03	2.63
13	104	158	1.89	0.56	0.75	1.70	0.47	31.40	-41.95	-35.16	24.61	21.25
13	104	159	4.18	-3.25	1.67	-0.74	3.52	8.88	-15.45	-8.00	1.43	11.22
13	105	1	5.93	-6.55	-6.53	5.91	0.57	288.96	-298.31	-30.87	21.52	292.46
13	105	7	4.80	-1.38	-1.22	4.65	0.95	105.81	-207.04	-72.17	-29.06	154.93
13	105	127	5.24	-0.87	4.47	-0.10	2.03	151.18	-1.89	115.56	33.73	64.68
13	105	128	3.76	-0.38	1.27	2.11	2.02	163.13	-96.85	62.93	3.35	126.53
13	105	129	1.36	-4.78	-4.78	1.36	-1.56e-02	183.72	-85.97	36.75	61.00	134.30
13	105	130	9.54	-1.63e-02	1.46	8.07	3.45	564.57	32.18	167.31	429.45	231.69
13	105	131	9.20	-1.89	-0.91	8.22	3.15	1036.32	-44.49	185.90	805.93	442.64
13	105	133	5.83	-1.37	0.95	3.52	3.36	216.87	-236.75	66.93	-86.81	213.39
13	105	134	12.65	-2.03	4.25	6.37	7.26	291.73	-263.72	56.50	-28.50	274.45
13	105	157	2.71	-1.22	0.15	1.34	1.87	51.24	31.07	46.36	35.95	-8.64
13	105	158	-6.32e-02	-1.80	-1.80	-6.42e-02	4.14e-02	11.40	-189.04	-189.02	11.37	2.32
13	105	159	3.04	1.63	3.03	1.63	7.33e-02	62.53	-0.57	54.25	7.70	21.30
13	106	1	5.83	-13.07	5.66	-12.90	-1.78	108.47	-385.59	108.26	-385.38	-10.12
13	106	7	2.66	-0.20	1.99	0.48	-1.21	-23.92	-162.07	-43.27	-142.71	-47.95
13	106	127	6.64	-0.54	-0.49	6.59	-0.61	-7.79	-45.04	-40.25	-12.57	12.46
13	106	128	3.59	-1.28	-0.92	3.24	-1.27	-37.84	-84.27	-50.91	-71.19	-20.88
13	106	129	5.18	0.22	5.12	0.27	-0.50	158.56	10.61	80.23	88.94	73.85
13	106	130	-3.80	-16.15	-4.29	-15.67	-2.40	-78.78	-461.90	-141.95	-398.73	-142.17
13	106	131	0.29	-16.20	-2.30e-02	-15.89	-2.24	19.18	-476.05	-96.28	-360.59	-209.39
13	106	133	0.24	-3.36	-1.56	-1.55	-1.80	173.37	-49.10	-31.15	155.43	-60.58

13	106	134	1.23	-5.88	-2.02	-2.63	-3.54	113.30	-50.14	3.44	59.72	-76.72
13	106	157	-0.45	-1.08	-0.99	-0.54	0.22	13.08	-15.97	-14.25	11.37	-6.85
13	106	158	1.80	0.55	1.17	1.17	0.63	63.96	-12.63	11.62	39.71	35.62
13	106	159	1.90	-2.74	0.63	-1.47	2.07	-7.37	-20.51	-19.90	-7.98	2.76

M_G			N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
				-41.29	-12.18	-40.89	-10.96		-960.11	-313.19	-721.41	-
430.26												
			23.72		12.73	23.03	11.70	1832.02		337.71	1358.57	841.92

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	1	29	0.24	0.17	-0.01	-5.24e-03	0.17	0.04	59.80	-101.36	-101.21	59.65	4.99
		55	0.23	0.03	-0.06	-0.04	5.81e-03	0.04	45.56	-107.68	-104.63	42.51	-21.40
		69	0.33	0.29	0.06	0.28	0.07	0.04	32.98	-175.85	-171.91	29.05	-28.39
		68	0.33	0.33	0.21	0.31	0.23	0.04	46.21	-168.51	-168.49	46.19	-2.01
1	2	29	0.66	3.48	0.47	3.47	0.47	-0.11	209.52	-217.91	-202.91	194.52	78.67
		55	0.52	3.55	0.84	3.55	0.85	-0.11	96.30	-222.58	-222.55	96.27	-2.83
		69	0.81	2.22	0.57	2.21	0.58	-0.11	58.48	-434.13	-430.37	54.71	-42.91
		68	0.88	2.14	0.20	2.13	0.20	-0.11	155.58	-413.35	-410.72	152.95	38.59
1	3	29	0.18	0.13	-0.08	-0.07	0.12	0.03	43.39	-75.98	-75.93	43.34	2.44
		55	0.17	4.14e-04	-0.11	-0.10	-0.01	0.03	34.20	-80.78	-78.26	31.68	-16.81
		69	0.24	0.19	0.04	0.18	0.04	0.03	24.92	-130.42	-127.36	21.86	-21.57
		68	0.24	0.23	0.15	0.21	0.18	0.03	33.55	-125.07	-125.03	33.52	-2.31
1	4	29	0.60	3.41	0.42	3.41	0.43	-0.12	193.81	-193.23	-177.63	178.21	76.13
		55	0.46	3.49	0.82	3.49	0.83	-0.12	85.46	-196.19	-196.18	85.45	1.76
		69	0.72	2.12	0.54	2.11	0.55	-0.12	50.51	-388.80	-385.82	47.52	-36.08
		68	0.80	2.04	0.14	2.03	0.15	-0.12	143.15	-370.14	-367.26	140.28	38.28
1	5	29	0.18	0.13	-0.04	-0.03	0.13	0.03	44.86	-77.10	-77.02	44.78	3.23
		55	0.17	0.01	-0.07	-0.06	-2.42e-03	0.03	34.67	-81.94	-79.52	32.26	-16.61
		69	0.25	0.21	0.04	0.20	0.05	0.03	25.17	-133.16	-130.12	22.14	-21.72
		68	0.25	0.24	0.16	0.22	0.18	0.03	34.68	-127.64	-127.62	34.66	-1.88
1	6	29	0.46	2.29	0.33	2.29	0.33	-0.07	144.17	-154.30	-144.82	134.69	52.35
		55	0.37	2.34	0.55	2.33	0.56	-0.07	68.18	-158.21	-158.13	68.10	-4.23
		69	0.57	1.49	0.38	1.49	0.39	-0.07	42.11	-305.28	-302.42	39.24	-31.40
		68	0.62	1.44	0.16	1.44	0.16	-0.07	107.43	-290.70	-289.10	105.83	25.19
1	7	29	0.18	0.13	-0.04	-0.03	0.13	0.03	44.86	-77.10	-77.02	44.78	3.23
		55	0.17	0.01	-0.07	-0.06	-2.42e-03	0.03	34.67	-81.94	-79.52	32.26	-16.61
		69	0.25	0.21	0.04	0.20	0.05	0.03	25.17	-133.16	-130.12	22.14	-21.72
		68	0.25	0.24	0.16	0.22	0.18	0.03	34.68	-127.64	-127.62	34.66	-1.88
1	8	29	0.37	1.59	0.27	1.59	0.27	-0.04	113.66	-130.42	-124.48	107.71	37.62
		55	0.31	1.62	0.39	1.62	0.39	-0.04	57.68	-134.88	-134.55	57.35	-7.95
		69	0.47	1.10	0.28	1.10	0.29	-0.04	36.93	-253.55	-250.73	34.11	-28.49
		68	0.51	1.08	0.16	1.08	0.16	-0.04	85.37	-241.55	-240.66	84.48	17.07
1	9	29	0.18	0.13	-0.04	-0.03	0.13	0.03	44.86	-77.10	-77.02	44.78	3.23
		55	0.17	0.01	-0.07	-0.06	-2.42e-03	0.03	34.67	-81.94	-79.52	32.26	-16.61
		69	0.25	0.21	0.04	0.20	0.05	0.03	25.17	-133.16	-130.12	22.14	-21.72
		68	0.25	0.24	0.16	0.22	0.18	0.03	34.68	-127.64	-127.62	34.66	-1.88
1	10	29	0.34	1.36	0.25	1.36	0.25	-0.03	103.56	-122.53	-117.70	98.72	32.70
		55	0.29	1.38	0.33	1.38	0.33	-0.03	54.23	-127.15	-126.69	53.76	-9.18
		69	0.44	0.97	0.25	0.97	0.25	-0.03	35.22	-236.32	-233.50	32.40	-27.53
		68	0.47	0.96	0.16	0.95	0.17	-0.03	78.04	-225.19	-224.51	77.36	14.36
1	11	29	0.59	6.61	2.67	6.60	2.68	-0.20	-10.47	-325.12	-219.74	-115.85	-
148.50													
		55	0.66	7.84	-2.01	7.24	-1.41	2.36	69.86	-269.71	-197.84	-2.01	-
138.71													
		69	0.62	4.66	-0.68	4.62	-0.64	0.42	137.60	-254.70	-127.20	10.10	-
183.75													
		68	0.39	6.03	2.89	5.07	3.85	-1.44	-6.23	-230.28	-137.55	-98.97	-
110.35													
1	12	29	0.71	2.83	1.32	2.74	1.41	-0.36	-161.08	-462.73	-424.94	-198.87	-99.86
		55	0.68	3.07	-1.99	3.07	-1.99	0.04	-116.59	-414.42	-414.42	-116.60	-0.92
		69	0.26	3.22	-1.95	2.86	-1.59	-1.31	13.60	-125.66	-61.36	-50.70	-69.42
		68	0.51	4.44	0.07	3.04	1.48	-2.04	37.21	-257.33	-66.05	-154.07	-
140.54													
1	13	29	0.75	0.07	-1.01	-0.02	-0.91	0.30	487.88	97.99	189.55	396.32	
165.27													
		55	0.37	2.66	-0.32	-0.32	2.65	-0.09	228.63	156.54	161.04	224.12	-17.45
		69	0.83	2.55	-1.37	-0.92	2.10	1.25	115.90	-406.04	-405.65	115.50	14.37
		68	1.14	0.84	-3.12	-1.13	-1.15	1.98	347.98	-422.17	-382.97	308.79	
169.26													

1	14	29	0.82	-2.17	-3.89	-3.88	-2.18	0.14	418.65	-121.01	-15.65	313.29	213.91
		55	0.45	2.87	-5.28	-4.48	2.07	-2.42	172.92	-118.93	-55.54	109.53	120.34
		69	0.76	1.21	-2.74	-2.68	1.15	-0.48	92.97	-378.07	-339.80	54.70	128.69
		68	0.93	-1.94	-4.74	-3.16	-3.52	1.39	286.06	-343.84	-311.47	253.69	139.07
1	15	29	0.57	2.91	2.43	2.56	2.77	-0.21	-12.45	-337.97	-230.72	-119.69	-153.00
		55	0.61	3.98	-2.44	2.85	-1.32	2.44	61.83	-275.60	-205.71	-8.06	-136.74
		69	0.60	4.63	-0.75	4.60	-0.72	0.40	128.19	-245.18	-123.71	6.73	-174.92
		68	0.43	6.00	3.09	5.10	3.99	-1.34	-39.65	-260.78	-135.45	-164.98	-109.57
1	16	29	0.75	6.79	1.29	6.77	1.31	-0.34	-159.32	-449.67	-413.96	-195.03	-95.36
		55	0.74	7.46	-2.07	7.46	-2.07	-0.04	-110.52	-406.57	-406.55	-110.55	-2.88
		69	0.28	3.23	-1.86	2.88	-1.51	-1.29	22.65	-134.82	-64.84	-47.33	-78.25
		68	0.48	4.47	-0.13	3.01	1.34	-2.14	63.56	-219.77	-68.15	-88.06	-141.32
1	17	29	0.74	-0.79	-4.08	-4.05	-0.82	0.29	478.62	92.42	178.56	392.48	160.77
		55	0.36	2.74	-4.70	-4.70	2.74	-0.02	221.58	149.66	153.17	218.07	-15.49
		69	0.83	2.47	-1.39	-0.94	2.02	1.23	113.18	-403.20	-402.16	112.13	23.19
		68	1.06	1.03	-3.14	-1.10	-1.00	2.08	286.12	-424.22	-380.87	242.78	170.04
1	18	29	0.85	0.17	-2.29	0.16	-2.28	0.16	427.51	-115.04	-4.67	317.13	218.41
		55	0.46	3.65	-1.76	-0.10	1.99	-2.50	177.75	-109.83	-47.67	115.58	118.38
		69	0.76	1.28	-2.71	-2.66	1.22	-0.46	91.15	-376.36	-343.29	58.08	119.87
		68	1.01	-2.12	-4.73	-3.19	-3.66	1.29	348.59	-342.46	-313.57	319.70	138.29
1	19	29	0.60	6.28	2.72	6.26	2.73	-0.21	-27.15	-339.92	-229.43	-137.64	-149.50
		55	0.65	7.61	-2.11	6.98	-1.48	2.39	59.30	-274.09	-204.32	-10.47	-135.62
		69	0.64	4.82	-1.02	4.52	-0.72	1.28	139.19	-251.53	-118.28	5.94	-185.22
		68	0.38	6.07	2.87	5.00	3.94	-1.51	-20.42	-228.68	-134.53	-114.57	-103.65
1	20	29	0.72	2.53	1.33	2.40	1.46	-0.37	-180.62	-474.68	-434.63	-220.67	-100.86
		55	0.68	2.81	-2.06	2.81	-2.06	0.06	-125.05	-420.92	-420.90	-125.06	2.17
		69	0.24	2.81	-1.71	2.76	-1.67	-0.45	17.26	-124.56	-52.44	-54.86	-70.90
		68	0.50	4.48	0.05	2.97	1.56	-2.10	27.72	-260.42	-63.03	-169.67	-133.84
1	21	29	0.78	0.39	-1.04	0.31	-0.97	0.31	507.73	109.62	199.23	418.11	166.27
		55	0.39	2.73	-0.07	-0.06	2.72	-0.12	238.53	161.58	167.52	232.59	-20.54
		69	0.85	2.22	-0.87	-0.82	2.17	0.39	120.13	-415.04	-414.57	119.66	15.85
		68	1.15	0.90	-3.19	-1.06	-1.23	2.04	359.82	-421.42	-385.99	324.39	162.56
1	22	29	0.84	-2.22	-3.56	-3.55	-2.24	0.16	438.90	-109.78	-5.97	335.09	214.91
		55	0.44	2.97	-5.06	-4.22	2.14	-2.45	178.43	-109.49	-49.06	118.00	117.25
		69	0.77	1.65	-3.00	-2.58	1.23	-1.34	96.88	-386.75	-348.72	58.86	130.17
		68	0.94	-1.88	-4.82	-3.09	-3.61	1.45	297.90	-343.10	-314.49	269.29	132.37
1	23	29	0.58	2.90	2.15	2.23	2.83	-0.23	-29.20	-352.69	-240.41	-141.48	-154.00
		55	0.60	3.77	-2.57	2.59	-1.39	2.47	51.28	-279.99	-212.19	-16.52	-133.65
		69	0.61	4.79	-1.08	4.50	-0.80	1.26	129.79	-242.02	-114.79	2.57	-176.40
		68	0.43	6.04	3.07	5.03	4.08	-1.41	-50.85	-262.16	-132.43	-180.58	-102.87
1	24	29	0.75	6.46	1.34	6.44	1.37	-0.36	-178.89	-461.58	-423.64	-216.83	-96.36

		55	0.74	7.20	-2.14	7.20	-2.14	-0.01	-119.01	-413.03	-413.03	-119.01	0.21
		69	0.26	2.83	-1.63	2.78	-1.59	-0.43	26.05	-133.46	-55.92	-51.49	-79.73
		68	0.47	4.51	-0.15	2.94	1.42	-2.20	51.60	-220.38	-65.13	-103.65	-
134.62													
1	25	29	0.76	-0.84	-3.75	-3.72	-0.87	0.30	498.60	103.93	188.25	414.27	
161.77													
		55	0.37	2.81	-4.44	-4.44	2.81	-0.04	231.35	154.84	159.65	226.54	-18.57
		69	0.84	2.14	-0.89	-0.84	2.10	0.37	117.44	-412.23	-411.08	116.29	24.67
		68	1.08	1.08	-3.21	-1.03	-1.09	2.15	297.53	-423.04	-383.89	258.37	
163.34													
1	26	29	0.87	0.50	-2.34	0.49	-2.33	0.17	447.68	-103.73	5.02	338.93	
219.41													
		55	0.46	3.80	-1.59	0.16	2.05	-2.53	183.26	-100.40	-41.18	124.05	
115.29													
		69	0.77	1.71	-2.97	-2.56	1.30	-1.32	95.15	-385.13	-352.21	62.23	
121.35													
		68	1.02	-2.05	-4.82	-3.12	-3.75	1.35	360.86	-342.15	-316.59	335.30	
131.60													
1	27	29	0.46	8.79	2.90	8.78	2.90	0.16	257.02	66.16	162.91	160.27	-95.42
		55	0.91	11.15	-1.01	9.45	0.69	4.22	453.11	-61.83	180.45	210.83	-
257.02													
		69	1.05	6.27	-0.11	4.74	1.42	2.72	232.83	-416.39	-301.48	117.92	-
247.78													
		68	0.66	5.56	4.58	5.26	4.87	0.45	109.27	-308.10	-306.86	108.03	22.73
1	28	29	0.87	-1.29	-4.13	-4.08	-1.33	-0.36	-105.76	-531.80	-521.09	-116.47	66.70
		55	1.00	1.05	-6.72	-4.43	-1.24	-3.54	-82.08	-630.55	-541.49	-171.14	
202.28													
		69	0.49	1.61	-4.48	-1.13	-1.74	-3.03	49.93	-216.67	-81.99	-84.74	
133.30													
		68	0.31	-0.55	-3.99	-1.50	-3.04	-1.53	5.89	-150.06	-68.53	-75.64	-77.89
1	29	29	0.57	6.82	1.81	6.80	1.83	0.31	313.98	285.64	285.70	313.92	-1.29
		55	0.84	8.92	0.18	7.18	1.91	3.48	504.08	62.70	288.11	278.67	-
220.64													
		69	1.03	5.66	-0.34	3.07	2.24	2.97	209.24	-444.71	-385.01	149.55	-
188.35													
		68	0.95	4.87	1.91	3.41	3.37	1.48	248.43	-398.56	-380.49	230.36	
106.61													
1	30	29	0.90	-2.40	-6.08	-6.06	-2.41	-0.21	90.13	-451.26	-398.30	37.17	
160.83													
		55	0.98	2.06	-8.79	-6.70	-0.03	-4.28	21.73	-558.85	-433.82	-103.30	
238.65													
		69	0.67	1.08	-4.79	-2.79	-0.92	-2.78	91.43	-310.08	-165.53	-53.12	
192.73													
		68	0.29	-3.17	-4.73	-3.36	-4.54	-0.51	46.88	-142.35	-142.16	46.69	5.99
1	31	29	0.46	8.69	2.92	8.68	2.92	0.15	252.64	61.10	160.00	153.73	-95.72
		55	0.91	11.09	-1.05	9.37	0.67	4.23	449.92	-63.13	178.50	208.29	-
256.09													
		69	1.05	6.46	-0.36	4.71	1.40	2.98	232.62	-414.75	-298.80	116.68	-
248.23													
		68	0.65	5.54	4.61	5.24	4.90	0.43	104.84	-307.45	-305.96	103.35	24.74
1	32	29	0.87	-1.27	-4.23	-4.18	-1.32	-0.37	-112.30	-534.70	-523.99	-123.01	66.40
		55	1.01	1.00	-6.77	-4.51	-1.26	-3.53	-83.84	-633.28	-543.43	-173.68	
203.20													
		69	0.48	1.33	-4.25	-1.16	-1.76	-2.77	50.24	-215.55	-79.32	-85.99	
132.85													
		68	0.31	-0.54	-3.99	-1.52	-3.02	-1.55	2.18	-150.12	-67.62	-80.32	-75.88
1	33	29	0.58	6.92	1.79	6.90	1.81	0.31	320.49	288.57	288.60	320.46	-0.99
		55	0.84	8.98	0.22	7.26	1.93	3.48	507.25	64.02	290.06	281.21	-
221.57													
		69	1.03	5.43	-0.06	3.10	2.26	2.72	209.88	-446.77	-387.69	150.79	-
187.91													
		68	0.96	4.88	1.89	3.43	3.35	1.50	252.30	-398.66	-381.40	235.04	
104.60													
1	34	29	0.90	-2.41	-5.98	-5.96	-2.43	-0.21	96.49	-448.18	-395.40	43.71	
161.13													
		55	0.98	2.10	-8.73	-6.62	-5.46e-03	-4.29	23.38	-556.02	-431.88	-100.76	
237.73													
		69	0.68	1.35	-5.01	-2.76	-0.89	-3.04	91.70	-311.78	-168.20	-51.88	
193.17													
		68	0.30	-3.17	-4.74	-3.34	-4.57	-0.49	51.45	-143.14	-143.06	51.37	3.98
1	35	29	0.41	3.22	-4.66	-4.66	3.22	0.12	247.82	25.96	126.30	147.47	-
110.42													

		55	0.91	3.34	-7.52	-5.16	0.98	4.47	423.57	-78.70	154.20	190.66	-
250.47													
		69	0.96	6.11	-0.28	4.67	1.17	2.67	203.37	-386.53	-289.85	106.69	-
218.37													
		68	0.51	6.14	4.57	5.36	5.35	0.79	-108.66	-303.22	-299.86	-112.02	25.32
1	36	29	0.93	9.38	-1.66	9.37	-1.65	-0.32	-86.89	-501.27	-484.48	-103.68	81.70
		55	1.15	11.30	-2.66	10.18	-1.53	-3.79	-65.75	-600.47	-515.25	-150.98	
195.73													
		69	0.40	1.71	-4.25	-1.06	-1.48	-2.98	20.80	-187.93	-93.62	-73.51	
103.88													
		68	0.41	-0.45	-4.66	-1.59	-3.52	-1.87	170.72	-101.84	-75.53	144.41	-80.49
1	37	29	0.50	2.15	-6.66	-6.65	2.14	0.27	305.80	244.41	249.09	301.12	-16.29
		55	0.88	3.48	-8.71	-7.43	2.20	3.74	474.29	46.08	261.87	258.50	-
214.10													
		69	0.96	5.46	-0.47	3.00	1.99	2.92	183.65	-418.73	-373.38	138.31	-
158.93													
		68	0.71	5.50	1.85	3.50	3.85	1.81	39.21	-402.39	-373.49	10.31	
109.21													
1	38	29	0.95	7.38	-2.73	7.38	-2.72	-0.17	114.85	-426.57	-361.69	49.97	
175.83													
		55	1.10	9.92	-2.32	7.92	-0.32	-4.53	37.82	-528.54	-407.58	-83.14	
232.11													
		69	0.59	1.22	-4.61	-2.72	-0.66	-2.73	67.25	-286.28	-177.15	-41.88	
163.31													
		68	0.65	-3.08	-5.38	-3.45	-5.02	-0.84	266.77	-149.19	-149.16	266.74	3.40
1	39	29	0.41	3.24	-4.76	-4.76	3.23	0.11	243.23	21.09	123.39	140.93	-
110.72													
		55	0.91	3.31	-7.59	-5.24	0.96	4.48	420.38	-80.00	152.26	188.12	-
249.55													
		69	0.97	6.30	-0.52	4.64	1.14	2.93	203.10	-384.83	-287.17	105.44	-
218.81													
		68	0.51	6.12	4.59	5.34	5.37	0.77	-112.68	-302.97	-298.96	-116.70	27.33
1	40	29	0.93	9.28	-1.64	9.27	-1.63	-0.33	-93.40	-504.20	-487.38	-110.21	81.40
		55	1.16	11.23	-2.68	10.11	-1.56	-3.79	-67.51	-603.19	-517.19	-153.52	
196.66													
		69	0.40	1.43	-4.02	-1.09	-1.51	-2.72	20.90	-186.60	-90.94	-74.75	
103.44													
		68	0.40	-0.44	-4.66	-1.61	-3.49	-1.89	165.39	-100.28	-74.62	139.73	-78.48
1	41	29	0.51	2.13	-6.56	-6.55	2.12	0.27	311.93	247.73	251.99	307.66	-15.99
		55	0.88	3.50	-8.63	-7.35	2.22	3.73	477.46	47.40	263.81	261.04	-
215.02													
		69	0.96	5.23	-0.19	3.03	2.01	2.66	184.37	-420.88	-376.06	139.55	-
158.49													
		68	0.71	5.51	1.83	3.52	3.82	1.83	42.55	-401.96	-374.39	14.99	
107.20													
1	42	29	0.95	7.48	-2.74	7.48	-2.74	-0.17	121.15	-423.43	-358.79	56.51	
176.13													
		55	1.10	10.00	-2.30	7.99	-0.30	-4.54	39.47	-525.71	-405.64	-80.60	
231.18													
		69	0.60	1.49	-4.82	-2.69	-0.64	-2.99	67.70	-288.17	-179.83	-40.64	
163.76													
		68	0.66	-3.08	-5.39	-3.43	-5.04	-0.82	271.42	-150.07	-150.06	271.42	1.39
1	43	29	0.49	5.46	2.16	5.45	2.17	-0.16	-7.40	-262.48	-198.49	-71.38	-
110.58													
		55	0.56	6.42	-1.51	5.96	-1.05	1.85	60.38	-233.85	-183.02	9.55	-
111.23													
		69	0.55	3.86	-0.48	3.84	-0.45	0.34	104.03	-238.10	-148.84	14.77	-
150.24													
		68	0.35	4.91	2.35	4.19	3.08	-1.15	-12.99	-204.85	-155.54	-62.30	-83.84
1	44	29	0.60	2.51	1.10	2.45	1.16	-0.29	-115.03	-382.24	-361.12	-136.14	-72.09
		55	0.59	2.72	-1.50	2.72	-1.50	0.02	-81.22	-354.70	-354.68	-81.24	-2.10
		69	0.24	2.71	-1.47	2.45	-1.20	-1.02	2.40	-133.72	-97.91	-33.41	-59.93
		68	0.38	3.65	0.13	2.58	1.21	-1.62	5.11	-209.71	-99.77	-104.83	-
107.38													
1	45	29	0.63	0.32	-0.72	0.27	-0.67	0.23	402.02	57.30	125.73	333.59	
137.50													
		55	0.31	2.17	0.03	0.03	2.16	-0.08	191.69	98.37	101.30	188.76	-16.27
		69	0.74	2.07	-0.87	-0.50	1.71	0.97	98.26	-369.14	-369.09	98.21	4.88
		68	0.98	0.79	-2.34	-0.67	-0.87	1.56	288.59	-378.29	-349.25	259.55	
136.10													
1	46	29	0.70	-1.66	-2.74	-2.73	-1.68	0.11	349.07	-117.14	-36.90	268.83	
175.99													

		55	0.38	2.37	-3.86	-3.21	1.71	-1.91	139.14	-111.52	-70.36	97.98	92.86
		69	0.67	1.01	-1.95	-1.89	0.96	-0.39	73.18	-341.31	-318.16	50.03	95.18
		68	0.82	-1.39	-3.63	-2.28	-2.75	1.10	240.74	-317.20	-293.48	217.02	
112.56													
1	47	29	0.47	2.45	2.10	2.30	2.24	-0.17	-8.80	-272.87	-207.20	-74.48	-
114.15													
		55	0.52	3.38	-1.82	2.54	-0.98	1.92	54.16	-238.67	-189.26	4.75	-
109.67													
		69	0.53	3.84	-0.54	3.82	-0.51	0.32	96.62	-230.54	-146.01	12.10	-
143.21													
		68	0.36	4.89	2.51	4.21	3.19	-1.07	-48.11	-219.38	-153.85	-113.65	-83.24
1	48	29	0.63	5.61	1.07	5.59	1.09	-0.28	-113.41	-372.06	-352.42	-133.05	-68.52
		55	0.64	6.14	-1.57	6.14	-1.57	-0.04	-76.39	-348.49	-348.44	-76.44	-3.65
		69	0.25	2.73	-1.41	2.46	-1.14	-1.01	9.82	-141.30	-100.75	-30.74	-66.96
		68	0.38	3.68	-0.03	2.56	1.09	-1.70	33.14	-188.08	-101.46	-53.48	-
107.98													
1	49	29	0.62	-0.57	-2.90	-2.88	-0.60	0.22	395.02	52.50	117.02	330.50	
133.93													
		55	0.31	2.23	-3.39	-3.39	2.23	-0.02	186.34	92.69	95.06	183.96	-14.71
		69	0.73	2.01	-0.88	-0.52	1.65	0.95	95.85	-366.56	-366.25	95.54	11.91
		68	0.92	0.94	-2.35	-0.65	-0.76	1.64	240.01	-379.37	-347.56	208.20	
136.70													
1	50	29	0.73	0.42	-1.76	0.42	-1.75	0.12	355.87	-112.14	-28.19	271.92	
179.56													
		55	0.39	3.03	-1.17	0.21	1.64	-1.97	143.02	-104.36	-64.11	102.78	91.30
		69	0.67	1.07	-1.93	-1.88	1.02	-0.38	72.46	-340.75	-320.99	52.70	88.16
		68	0.88	-1.53	-3.63	-2.30	-2.86	1.01	289.80	-316.60	-295.17	268.37	
111.96													
1	51	29	0.49	5.19	2.20	5.18	2.21	-0.17	-21.51	-273.25	-206.19	-88.57	-
111.29													
		55	0.56	6.23	-1.58	5.75	-1.10	1.88	51.90	-237.23	-188.17	2.84	-
108.52													
		69	0.56	3.97	-0.73	3.75	-0.51	0.99	104.26	-234.53	-141.75	11.48	-
151.08													
		68	0.34	4.93	2.34	4.13	3.15	-1.20	-26.29	-201.37	-153.11	-74.55	-78.23
1	52	29	0.60	2.27	1.12	2.18	1.21	-0.30	-131.04	-391.11	-368.82	-153.33	-72.80
		55	0.59	2.52	-1.55	2.52	-1.55	0.04	-87.94	-359.83	-359.83	-87.94	0.61
		69	0.24	2.39	-1.30	2.36	-1.26	-0.37	2.77	-130.29	-90.82	-36.70	-60.78
		68	0.38	3.68	0.12	2.52	1.27	-1.67	-4.96	-209.45	-97.34	-117.07	-
101.77													
1	53	29	0.65	0.58	-0.76	0.54	-0.71	0.24	417.92	66.29	133.43	350.77	
138.21													
		55	0.32	2.22	0.23	0.24	2.22	-0.10	199.34	102.58	106.46	195.47	-18.98
		69	0.75	1.81	-0.46	-0.41	1.77	0.31	101.57	-376.25	-376.18	101.50	5.72
		68	0.99	0.84	-2.40	-0.61	-0.94	1.61	298.00	-377.89	-351.68	271.80	
130.49													
1	54	29	0.72	-1.70	-2.48	-2.46	-1.72	0.12	365.18	-108.37	-29.20	286.01	
176.69													
		55	0.38	2.45	-3.69	-3.00	1.77	-1.93	143.61	-104.13	-65.20	104.68	90.16
		69	0.68	1.36	-2.15	-1.80	1.02	-1.05	76.28	-348.22	-325.25	53.32	96.03
		68	0.83	-1.33	-3.70	-2.22	-2.81	1.14	250.21	-316.85	-295.91	229.27	
106.95													
1	55	29	0.47	2.38	1.94	2.04	2.29	-0.18	-22.94	-283.62	-214.90	-91.66	-
114.86													
		55	0.52	3.22	-1.92	2.33	-1.03	1.94	45.70	-242.07	-194.41	-1.96	-
106.97													
		69	0.54	3.94	-0.78	3.73	-0.57	0.98	96.83	-226.94	-138.91	8.81	-
144.05													
		68	0.35	4.91	2.50	4.15	3.26	-1.12	-59.99	-217.33	-151.42	-125.89	-77.63
1	56	29	0.63	5.35	1.11	5.33	1.13	-0.29	-129.46	-380.89	-360.11	-150.24	-69.23
		55	0.64	5.94	-1.62	5.94	-1.62	-0.02	-83.14	-353.59	-353.59	-83.14	-0.95
		69	0.26	2.41	-1.24	2.37	-1.20	-0.36	10.23	-137.91	-93.65	-34.03	-67.80
		68	0.36	3.70	-0.04	2.50	1.16	-1.75	21.33	-186.09	-99.03	-65.73	-
102.37													
1	57	29	0.64	-0.61	-2.64	-2.61	-0.64	0.23	411.00	61.40	124.72	347.68	
134.64													
		55	0.32	2.29	-3.19	-3.19	2.29	-0.04	193.91	96.98	100.21	190.67	-17.42
		69	0.75	1.75	-0.47	-0.43	1.70	0.30	99.17	-373.69	-373.35	98.83	12.75
		68	0.93	0.99	-2.41	-0.59	-0.83	1.69	249.13	-378.67	-349.99	220.45	
131.09													
1	58	29	0.74	0.69	-1.80	0.68	-1.79	0.13	371.92	-103.31	-20.50	289.10	
180.27													

		55	0.39	3.15	-1.04	0.42	1.70	-1.99	147.50	-96.98	-58.96	109.48	88.60
		69	0.68	1.41	-2.12	-1.79	1.08	-1.04	75.61	-347.71	-328.09	55.99	89.00
		68	0.89	-1.47	-3.70	-2.24	-2.93	1.06	299.56	-316.54	-297.60	280.62	
106.35													
1	59	29	0.35	7.14	2.34	7.14	2.35	0.12	196.99	53.64	104.72	145.91	-68.65
		55	0.74	8.98	-0.71	7.66	0.60	3.31	355.08	-60.12	116.76	178.19	-
205.31													
		69	0.90	5.11	0.01	3.94	1.18	2.14	186.14	-371.29	-285.35	100.19	-
201.30													
		68	0.61	4.54	3.70	4.36	3.88	0.34	101.05	-289.50	-288.41	99.96	20.60
1	60	29	0.74	-0.96	-2.91	-2.86	-1.00	-0.29	-60.52	-446.82	-437.38	-69.96	59.64
		55	0.83	0.99	-5.02	-3.13	-0.90	-2.79	-60.80	-519.06	-455.44	-124.43	
158.46													
		69	0.39	1.40	-3.42	-0.70	-1.32	-2.39	15.45	-191.46	-115.58	-60.42	99.71
		68	0.26	-0.28	-3.07	-0.99	-2.36	-1.21	-6.81	-137.49	-102.50	-41.80	-57.86
1	61	29	0.45	5.60	1.48	5.58	1.49	0.24	267.91	201.48	201.99	267.40	5.77
		55	0.67	7.21	0.24	5.89	1.56	2.73	394.46	39.55	202.06	231.95	-
176.83													
		69	0.90	4.60	-0.13	2.64	1.83	2.33	171.07	-397.26	-351.42	125.22	-
154.77													
		68	0.83	3.96	1.64	2.90	2.69	1.16	209.99	-359.99	-346.52	196.52	86.58
1	62	29	0.77	-1.84	-4.43	-4.42	-1.85	-0.17	93.03	-381.61	-340.11	51.54	
134.06													
		55	0.80	1.77	-6.61	-4.91	0.07	-3.37	19.12	-459.92	-370.14	-70.66	
186.95													
		69	0.55	0.96	-3.63	-2.00	-0.67	-2.20	54.99	-272.04	-181.66	-35.39	
146.25													
		68	0.33	-2.32	-3.68	-2.45	-3.55	-0.40	55.06	-160.92	-160.61	54.76	8.12
1	63	29	0.34	7.06	2.36	7.06	2.36	0.11	193.07	50.10	102.41	140.76	-68.87
		55	0.73	8.92	-0.74	7.60	0.58	3.32	352.46	-61.07	115.22	176.18	-
204.50													
		69	0.90	5.25	-0.18	3.91	1.16	2.34	185.82	-369.83	-283.22	99.20	-
201.55													
		68	0.61	4.52	3.73	4.34	3.90	0.33	97.58	-288.97	-287.68	96.29	22.29
1	64	29	0.74	-0.94	-2.99	-2.94	-0.99	-0.30	-65.67	-449.13	-439.69	-75.11	59.43
		55	0.83	0.96	-5.06	-3.20	-0.91	-2.78	-62.18	-521.24	-456.98	-126.44	
159.27													
		69	0.38	1.18	-3.24	-0.72	-1.34	-2.19	15.38	-190.24	-113.45	-61.41	99.46
		68	0.26	-0.28	-3.07	-1.01	-2.34	-1.23	-10.78	-136.46	-101.77	-45.47	-56.18
1	65	29	0.46	5.68	1.47	5.66	1.48	0.24	273.08	203.78	204.30	272.56	5.98
		55	0.67	7.26	0.27	5.95	1.58	2.73	397.07	40.50	203.60	233.97	-
177.64													
		69	0.90	4.43	0.08	2.66	1.84	2.13	171.67	-399.01	-353.55	126.21	-
154.51													
		68	0.84	3.98	1.62	2.92	2.67	1.17	213.06	-360.12	-347.25	200.19	84.90
1	66	29	0.77	-1.85	-4.35	-4.34	-1.87	-0.17	98.06	-379.17	-337.81	56.69	
134.28													
		55	0.80	1.80	-6.57	-4.85	0.08	-3.38	20.41	-457.66	-368.59	-68.65	
186.14													
		69	0.55	1.17	-3.80	-1.97	-0.66	-2.40	55.35	-273.53	-183.78	-34.40	
146.50													
		68	0.34	-2.31	-3.69	-2.43	-3.57	-0.39	58.62	-161.53	-161.34	58.43	6.44
1	67	29	0.33	2.60	-3.35	-3.35	2.60	0.09	191.60	19.71	75.70	135.60	-80.56
		55	0.72	2.75	-5.65	-3.74	0.83	3.52	331.92	-73.77	95.96	162.19	-
200.12													
		69	0.83	4.99	-0.13	3.88	0.98	2.10	163.31	-347.93	-275.90	91.27	-
177.87													
		68	0.48	4.96	3.73	4.43	4.26	0.61	-68.81	-285.16	-282.77	-71.19	22.60
1	68	29	0.80	7.63	-1.26	7.63	-1.25	-0.26	-45.54	-422.47	-408.36	-59.65	71.54
		55	0.95	9.15	-2.01	8.28	-1.13	-3.00	-47.71	-495.34	-434.63	-108.43	
153.27													
		69	0.34	1.48	-3.24	-0.64	-1.12	-2.35	-3.59	-172.95	-125.03	-51.51	76.28
		68	0.39	-0.20	-3.61	-1.07	-2.74	-1.48	143.60	-122.37	-108.13	129.36	-59.86
1	69	29	0.40	1.75	-4.91	-4.91	1.75	0.20	257.54	172.52	172.97	257.10	-6.13
		55	0.69	2.83	-6.56	-5.52	1.80	2.94	371.11	26.09	181.25	215.96	-
171.64													
		69	0.84	4.44	-0.24	2.58	1.62	2.29	151.28	-376.94	-341.97	116.31	-
131.34													
		68	0.65	4.45	1.60	2.97	3.07	1.43	45.66	-361.19	-340.89	25.36	88.58
1	70	29	0.82	6.07	-2.11	6.07	-2.10	-0.14	112.18	-361.43	-311.09	61.84	
145.96													
		55	0.90	8.05	-1.73	6.50	-0.17	-3.58	31.97	-435.97	-349.33	-54.66	

181.76												
		69	0.50	1.08	-3.49	-1.94	-0.47	-2.16	39.06	-256.64	-191.10	-26.47
122.82												
		68	0.60	-2.26	-4.20	-2.52	-3.93	-0.67	226.01	-166.34	-166.25	225.92 6.12
1	71	29	0.33	2.61	-3.43	-3.43	2.61	0.08	187.58	16.26	73.39	130.45-80.77
		55	0.72	2.72	-5.71	-3.81	0.82	3.53	329.30	-74.71	94.41	160.18 -
199.31												
		69	0.83	5.13	-0.31	3.86	0.96	2.30	162.94	-346.42	-273.77	90.29 -
178.12												
		68	0.48	4.95	3.75	4.41	4.28	0.60	-72.06	-284.85	-282.04	-74.87 24.28
1	72	29	0.80	7.55	-1.25	7.55	-1.24	-0.26	-50.67	-424.80	-410.67	-64.81 71.33
		55	0.96	9.09	-2.02	8.21	-1.15	-2.99	-49.11	-497.51	-436.18	-110.44
154.08												
		69	0.33	1.26	-3.07	-0.67	-1.14	-2.15	-3.91	-171.48	-122.90	-52.49 76.03
		68	0.38	-0.20	-3.61	-1.08	-2.72	-1.50	139.40	-121.12	-107.41	125.69-58.18
1	73	29	0.40	1.74	-4.83	-4.83	1.73	0.21	262.65	174.87	175.28	262.25 -5.92
		55	0.69	2.85	-6.50	-5.46	1.81	2.93	373.72	27.04	182.80	217.97 -
172.45												
		69	0.84	4.28	-0.03	2.61	1.64	2.10	151.93	-378.74	-344.10	117.29 -
131.08												
		68	0.65	4.46	1.58	2.99	3.05	1.44	48.40	-360.98	-341.61	29.03 86.90
1	74	29	0.82	6.15	-2.12	6.15	-2.12	-0.14	117.16	-358.95	-308.78	67.00
146.18												
		55	0.90	8.11	-1.71	6.56	-0.15	-3.58	33.27	-433.71	-347.79	-52.65
180.94												
		69	0.50	1.28	-3.65	-1.91	-0.45	-2.36	39.57	-258.29	-193.23	-25.49
123.07												
		68	0.60	-2.25	-4.20	-2.51	-3.95	-0.65	229.64	-167.03	-166.98	229.59 4.44
1	75	29	0.42	4.75	1.83	4.75	1.84	-0.14	-1.67	-224.75	-184.47	-41.94-85.80
		55	0.51	5.54	-1.18	5.17	-0.81	1.53	55.57	-211.59	-173.24	17.22-93.67
		69	0.52	3.37	-0.35	3.35	-0.33	0.27	85.00	-230.72	-163.54	17.82 -
129.21												
		68	0.34	4.20	2.01	3.63	2.57	-0.96	-9.72	-195.93	-167.46	-38.19-67.02
1	76	29	0.53	2.31	0.96	2.26	1.01	-0.24	-83.16	-331.24	-318.87	-95.53-53.99
		55	0.53	2.49	-1.18	2.49	-1.18	0.01	-57.76	-315.15	-315.10	-57.80 -3.48
		69	0.26	2.41	-1.17	2.20	-0.95	-0.85	2.11	-145.49	-121.39	-22.00-54.56
		68	0.32	3.15	0.18	2.31	1.02	-1.34	-7.59	-187.14	-121.32	-73.41-86.52
1	77	29	0.56	0.49	-0.55	0.45	-0.51	0.19	347.06	29.40	83.48	292.97
119.39												
		55	0.27	1.85	0.26	0.26	1.85	-0.07	167.43	59.63	61.73	165.33-14.89
		69	0.68	1.77	-0.57	-0.25	1.46	0.79	86.80	-345.62	-345.62	86.80 -0.49
		68	0.88	0.75	-1.84	-0.40	-0.69	1.29	251.08	-350.64	-327.70	228.13
115.24												
1	78	29	0.63	-1.33	-2.04	-2.03	-1.34	0.08	303.84	-115.37	-50.92	239.39
151.21												
		55	0.35	2.04	-2.98	-2.42	1.48	-1.58	118.81	-108.64	-80.13	90.30 75.31
		69	0.62	0.88	-1.45	-1.40	0.84	-0.33	62.03	-318.51	-303.46	46.98 74.16
		68	0.75	-1.05	-2.92	-1.72	-2.24	0.90	211.50	-300.15	-281.56	192.91 95.74
1	79	29	0.40	2.21	1.83	2.14	1.90	-0.15	-2.79	-233.37	-191.67	-44.49-88.75
		55	0.47	3.01	-1.41	2.34	-0.75	1.58	50.54	-215.68	-178.40	13.26-92.39
		69	0.50	3.35	-0.40	3.33	-0.38	0.26	79.01	-224.60	-161.20	15.61 -
123.41												
		68	0.34	4.18	2.14	3.65	2.67	-0.89	-44.34	-202.41	-166.06	-80.69-66.52
1	80	29	0.55	4.88	0.93	4.87	0.94	-0.24	-81.65	-323.00	-311.68	-92.97-51.04
		55	0.57	5.32	-1.24	5.32	-1.24	-0.04	-53.75	-310.03	-309.95	-53.84 -4.77
		69	0.28	2.42	-1.11	2.21	-0.90	-0.84	7.90	-151.41	-123.73	-19.79-60.37
		68	0.33	3.17	0.04	2.29	0.93	-1.41	21.57	-175.19	-122.72	-30.91-87.02
1	81	29	0.56	-0.43	-2.17	-2.15	-0.45	0.18	341.54	25.17	76.29	290.42
116.44												
		55	0.28	1.91	-2.57	-2.57	1.90	-0.02	163.10	54.83	56.57	161.36-13.60
		69	0.68	1.72	-0.58	-0.27	1.41	0.78	84.66	-343.34	-343.28	84.59 5.32
		68	0.83	0.87	-1.85	-0.38	-0.60	1.35	210.58	-351.25	-326.30	185.63
115.74												
1	82	29	0.65	0.58	-1.41	0.57	-1.40	0.09	309.27	-111.05	-43.72	241.94
154.16												
		55	0.35	2.63	-0.80	0.41	1.42	-1.64	122.07	-102.78	-74.98	94.27 74.02
		69	0.62	0.93	-1.43	-1.39	0.89	-0.32	61.90	-318.51	-305.80	49.19 68.35
		68	0.80	-1.15	-2.92	-1.74	-2.34	0.83	252.35	-299.90	-282.96	235.41 95.24
1	83	29	0.43	4.53	1.86	4.53	1.87	-0.15	-13.94	-233.01	-190.83	-56.12-86.38
		55	0.50	5.38	-1.24	5.00	-0.85	1.55	48.66	-214.48	-177.50	11.68-91.45
		69	0.52	3.45	-0.55	3.27	-0.38	0.81	84.71	-227.30	-157.69	15.10 -
129.90												

		68	0.33	4.21	2.00	3.58	2.63	-1.00	-21.31	-192.46	-165.48	-48.28-62.36
1	84	29	0.53	2.10	0.98	2.04	1.04	-0.25	-96.68	-338.26	-325.23	-109.71-54.56
		55	0.53	2.32	-1.22	2.32	-1.22	0.03	-63.34	-319.37	-319.36	-63.35 -1.25
		69	0.26	2.15	-1.03	2.12	-1.00	-0.31	1.39	-141.64	-115.54	-24.72-55.24
		68	0.31	3.17	0.16	2.25	1.08	-1.38	-17.62	-185.23	-119.34	-83.51-81.87
1	85	29	0.58	0.70	-0.58	0.67	-0.55	0.19	360.36	36.64	89.84	307.15
119.97												
		55	0.28	1.90	0.43	0.43	1.89	-0.09	173.59	63.26	65.99	170.87-17.12
		69	0.69	1.54	-0.22	-0.18	1.50	0.25	89.52	-351.47	-351.47	89.52 0.19
		68	0.89	0.79	-1.89	-0.35	-0.75	1.33	259.00	-350.45	-329.68	238.23
110.59												
1	86	29	0.64	-1.36	-1.83	-1.81	-1.38	0.09	317.25	-108.24	-44.56	253.57
151.79												
		55	0.34	2.11	-2.84	-2.25	1.52	-1.60	122.73	-102.76	-75.88	95.84 73.08
		69	0.62	1.19	-1.63	-1.33	0.88	-0.87	64.68	-324.29	-309.31	49.70 74.84
		68	0.76	-0.99	-2.98	-1.67	-2.30	0.94	219.50	-300.03	-283.54	203.00 91.09
1	87	29	0.41	2.09	1.77	1.92	1.93	-0.16	-15.06	-241.64	-198.03	-58.68-89.33
		55	0.47	2.87	-1.49	2.17	-0.79	1.60	43.64	-218.58	-182.66	7.72-90.16
		69	0.50	3.43	-0.60	3.26	-0.43	0.80	78.69	-221.14	-155.35	12.89 -
124.09												
		68	0.33	4.19	2.13	3.60	2.72	-0.93	-55.53	-199.34	-164.08	-90.78-61.87
1	88	29	0.56	4.66	0.96	4.65	0.98	-0.24	-95.20	-329.99	-318.04	-107.16-51.61
		55	0.57	5.15	-1.28	5.15	-1.28	-0.02	-59.35	-314.23	-314.20	-59.38 -2.54
		69	0.28	2.17	-0.98	2.14	-0.95	-0.30	7.27	-147.66	-117.88	-22.51-61.05
		68	0.32	3.19	0.03	2.24	0.99	-1.45	10.63	-172.38	-120.74	-41.01-82.36
1	89	29	0.57	-0.46	-1.95	-1.93	-0.49	0.19	354.90	32.35	82.65	304.60
117.02												
		55	0.29	1.95	-2.40	-2.40	1.95	-0.04	169.22	58.52	60.83	166.91-15.83
		69	0.69	1.49	-0.23	-0.19	1.45	0.24	87.39	-349.21	-349.13	87.31 6.00
		68	0.84	0.91	-1.90	-0.33	-0.66	1.39	218.30	-350.86	-328.28	195.73
111.09												
1	90	29	0.66	0.80	-1.44	0.80	-1.44	0.10	322.63	-103.87	-37.36	256.12
154.74												
		55	0.35	2.73	-0.69	0.58	1.46	-1.65	126.01	-96.92	-70.72	99.81 71.79
		69	0.62	1.23	-1.61	-1.32	0.93	-0.86	64.58	-324.32	-311.65	51.91 69.04
		68	0.81	-1.10	-2.98	-1.69	-2.39	0.87	260.55	-299.98	-284.94	245.50 90.59
1	91	29	0.28	6.14	1.98	6.14	1.98	0.09	164.37	39.53	66.11	137.79-51.10
		55	0.62	7.64	-0.50	6.58	0.55	2.74	291.72	-60.63	74.50	156.59 -
171.33												
		69	0.81	4.36	0.08	3.43	1.02	1.77	156.21	-344.23	-276.45	88.42 -
171.25												
		68	0.59	3.89	3.12	3.77	3.24	0.28	97.13	-278.39	-277.37	96.12 19.53
1	92	29	0.65	-0.74	-2.18	-2.13	-0.78	-0.25	-32.19	-390.53	-381.89	-40.82 54.95
		55	0.72	0.94	-3.98	-2.35	-0.68	-2.31	-46.03	-445.84	-398.37	-93.50
129.32												
		69	0.34	1.28	-2.73	-0.40	-1.05	-1.98	-0.03	-180.22	-135.93	-44.31 77.58
		68	0.25	-0.10	-2.48	-0.65	-1.92	-1.01	-3.99	-140.87	-123.57	-21.29-45.48
1	93	29	0.38	4.86	1.27	4.85	1.28	0.19	239.44	145.32	146.50	238.27 10.46
		55	0.56	6.16	0.29	5.11	1.35	2.26	323.33	22.69	144.99	201.03 -
147.69												
		69	0.81	3.91	-0.01	2.35	1.55	1.92	145.99	-367.95	-331.07	109.12 -
132.64												
		68	0.77	3.37	1.44	2.56	2.26	0.95	186.76	-336.20	-325.45	176.01 74.20
1	94	29	0.69	-1.48	-3.43	-3.42	-1.49	-0.15	93.98	-335.83	-301.50	59.65
116.51												
		55	0.69	1.56	-5.28	-3.83	0.11	-2.79	18.48	-395.43	-327.88	-49.07
152.96												
		69	0.48	0.89	-2.89	-1.48	-0.51	-1.82	35.98	-250.16	-190.55	-23.62
116.20												
		68	0.35	-1.76	-3.00	-1.86	-2.90	-0.34	58.97	-172.01	-171.64	58.60 9.20
1	95	29	0.28	6.08	1.99	6.07	1.99	0.09	160.77	36.98	64.20	133.54-51.28
		55	0.62	7.59	-0.52	6.53	0.54	2.74	289.56	-61.40	73.22	154.93 -
170.66												
		69	0.81	4.48	-0.07	3.41	1.00	1.93	155.88	-342.97	-274.69	87.61 -
171.46												
		68	0.58	3.87	3.14	3.75	3.25	0.27	94.27	-277.96	-276.78	93.09 20.92
1	96	29	0.65	-0.73	-2.24	-2.20	-0.77	-0.25	-36.44	-392.44	-383.80	-45.08 54.78
		55	0.72	0.91	-4.01	-2.41	-0.70	-2.31	-47.22	-447.59	-399.65	-95.16
129.99												
		69	0.34	1.10	-2.59	-0.43	-1.06	-1.82	-0.38	-178.93	-134.18	-45.13 77.38
		68	0.25	-0.09	-2.48	-0.67	-1.91	-1.02	-7.49	-139.81	-122.98	-24.32-44.09
1	97	29	0.39	4.93	1.26	4.92	1.27	0.19	243.71	147.22	148.41	242.52 10.63

		55	0.56	6.20	0.32	5.16	1.36	2.25	325.49	23.46	146.27	202.69	-
148.36													
		69	0.81	3.77	0.16	2.37	1.57	1.76	146.52	-369.41	-332.83	109.93	-
132.43													
		68	0.77	3.39	1.43	2.58	2.24	0.96	189.33	-336.33	-326.04	179.04	72.81
1	98	29	0.69	-1.49	-3.37	-3.36	-1.50	-0.15	98.14	-333.83	-299.60	63.91	
116.68													
		55	0.69	1.59	-5.24	-3.78	0.13	-2.80	19.59	-393.59	-326.60	-47.40	
152.29													
		69	0.48	1.06	-3.02	-1.46	-0.50	-1.99	36.43	-251.55	-192.31	-22.80	
116.40													
		68	0.36	-1.76	-3.01	-1.85	-2.92	-0.32	61.89	-172.50	-172.24	61.63	7.80
1	99	29	0.30	2.19	-2.54	-2.54	2.19	0.07	160.62	10.79	42.13	129.29	-60.94
		55	0.60	2.37	-4.47	-2.86	0.75	2.91	272.83	-72.15	57.31	143.37	-
167.03													
		69	0.75	4.26	-0.03	3.38	0.85	1.73	137.82	-325.41	-268.65	81.05	-
151.90													
		68	0.47	4.21	3.17	3.83	3.55	0.50	-43.59	-274.68	-272.72	-45.55	21.18
1	100	29	0.71	6.55	-1.00	6.54	-0.99	-0.22	-19.90	-370.32	-357.91	-32.31	64.79
		55	0.82	7.79	-1.59	7.08	-0.88	-2.48	-35.11	-426.35	-381.18	-80.28	
125.03													
		69	0.31	1.34	-2.58	-0.36	-0.88	-1.95	-11.34	-169.34	-143.73	-36.95	58.23
		68	0.39	-0.03	-2.92	-0.71	-2.24	-1.23	129.01	-136.87	-128.23	120.38	-47.14
1	101	29	0.36	1.49	-3.83	-3.83	1.49	0.16	229.76	122.51	122.51	229.76	0.62
		55	0.56	2.42	-5.20	-4.33	1.54	2.43	304.31	11.30	127.80	187.81	-
143.40													
		69	0.76	3.79	-0.10	2.30	1.39	1.89	130.06	-351.58	-323.27	101.75	-
113.28													
		68	0.61	3.77	1.42	2.62	2.57	1.17	49.87	-336.32	-320.79	34.35	75.86
1	102	29	0.73	5.26	-1.70	5.26	-1.70	-0.12	109.42	-318.78	-277.52	68.16	
126.35													
		55	0.78	6.87	-1.34	5.61	-0.08	-2.96	29.19	-375.72	-310.68	-35.85	
148.67													
		69	0.44	0.98	-2.76	-1.44	-0.35	-1.79	25.62	-240.23	-198.36	-16.25	96.85
		68	0.57	-1.72	-3.43	-1.92	-3.22	-0.56	200.42	-176.45	-176.30	200.27	7.54
1	103	29	0.29	2.20	-2.60	-2.60	2.20	0.06	157.01	8.24	40.22	125.03	-61.11
		55	0.60	2.35	-4.52	-2.91	0.74	2.91	270.66	-72.92	56.03	141.71	-
166.37													
		69	0.75	4.37	-0.18	3.36	0.84	1.90	137.46	-324.11	-266.89	80.24	-
152.10													
		68	0.47	4.20	3.19	3.82	3.57	0.49	-46.32	-274.38	-272.12	-48.58	22.58
1	104	29	0.71	6.48	-0.99	6.48	-0.98	-0.22	-24.13	-372.25	-359.81	-36.57	64.62
		55	0.83	7.74	-1.60	7.03	-0.89	-2.48	-36.30	-428.10	-382.45	-81.94	
125.70													
		69	0.30	1.16	-2.44	-0.38	-0.90	-1.78	-11.88	-167.86	-141.98	-37.76	58.02
		68	0.39	-0.03	-2.93	-0.73	-2.22	-1.24	125.61	-135.90	-127.64	117.35	-45.74
1	105	29	0.36	1.48	-3.76	-3.76	1.47	0.17	234.02	124.42	124.42	234.02	0.79
		55	0.56	2.43	-5.15	-4.28	1.56	2.42	306.47	12.07	129.08	189.47	-
144.07													
		69	0.77	3.65	0.07	2.32	1.40	1.73	130.63	-353.09	-325.03	102.56	-
113.08													
		68	0.62	3.78	1.41	2.64	2.55	1.19	52.22	-336.23	-321.38	37.37	74.47
1	106	29	0.74	5.32	-1.71	5.32	-1.71	-0.12	113.55	-316.75	-275.61	72.41	
126.52													
		55	0.78	6.92	-1.33	5.66	-0.07	-2.97	30.30	-373.89	-309.41	-34.18	
148.00													
		69	0.45	1.15	-2.90	-1.42	-0.33	-1.95	26.18	-241.73	-200.11	-15.44	97.05
		68	0.57	-1.71	-3.43	-1.91	-3.23	-0.55	203.40	-176.99	-176.90	203.30	6.14
2	1	68	0.35	0.27	-0.14	0.24	-0.11	0.10	71.58	-163.49	-163.42	71.52	-3.89
		69	0.35	0.30	-0.03	0.27	3.36e-03	0.10	55.60	-172.02	-167.51	51.09	-31.72
		67	0.46	1.13	0.16	1.12	0.17	0.10	42.61	-244.17	-238.46	36.90	-40.05
		31	0.47	1.11	0.05	1.10	0.06	0.10	57.84	-234.89	-234.38	57.32	-12.22
2	2	68	0.90	2.25	0.58	2.22	0.62	-0.24	170.61	-417.42	-408.89	162.08	-70.30
		69	0.92	2.24	0.51	2.20	0.54	-0.24	169.67	-431.67	-411.42	149.42	-
108.46													
		67	1.05	1.92	0.44	1.88	0.48	-0.24	149.57	-528.35	-508.74	129.96	-
113.63													
		31	1.03	1.93	0.51	1.89	0.55	-0.24	151.28	-514.87	-506.21	142.62	-75.46
2	3	68	0.26	0.17	-0.13	0.15	-0.10	0.08	53.32	-121.09	-121.08	53.30	-1.74
		69	0.26	0.20	-0.04	0.17	-7.59e-03	0.08	40.64	-127.44	-124.25	37.44	-22.95
		67	0.35	0.86	0.12	0.85	0.13	0.08	30.77	-182.47	-178.33	26.63	-29.42
		31	0.35	0.84	0.03	0.83	0.03	0.08	42.80	-175.47	-175.16	42.49	-8.21

2	4	68	0.81	2.17	0.59	2.12	0.63	-0.26	152.81	-375.49	-366.55	143.87	-68.15
		69	0.83	2.15	0.49	2.10	0.53	-0.26	154.78	-387.17	-368.16	135.78	-99.70
		67	0.93	1.66	0.38	1.61	0.43	-0.26	137.78	-466.70	-448.61	119.69	-103.00
		31	0.91	1.68	0.47	1.62	0.53	-0.26	136.53	-455.74	-446.99	127.78	-71.45
2	5	68	0.27	0.19	-0.12	0.17	-0.09	0.08	54.30	-123.73	-123.69	54.27	-2.45
		69	0.26	0.22	-0.03	0.19	-1.84e-03	0.08	41.84	-130.20	-126.85	38.49	-23.77
		67	0.35	0.86	0.12	0.86	0.13	0.08	31.90	-185.50	-181.22	27.62	-30.21
		31	0.35	0.84	0.03	0.84	0.04	0.08	43.75	-178.42	-178.06	43.40	-8.88
2	6	68	0.63	1.51	0.37	1.49	0.39	-0.15	120.00	-292.70	-287.34	114.65	-46.72
		69	0.64	1.50	0.34	1.48	0.36	-0.15	117.83	-303.25	-289.46	104.05	-74.93
		67	0.74	1.38	0.31	1.36	0.33	-0.15	103.18	-374.92	-361.40	89.66	-79.26
		31	0.73	1.39	0.35	1.37	0.37	-0.15	105.86	-364.88	-359.28	100.26	-51.04
2	7	68	0.27	0.19	-0.12	0.17	-0.09	0.08	54.30	-123.73	-123.69	54.27	-2.45
		69	0.26	0.22	-0.03	0.19	-1.84e-03	0.08	41.84	-130.20	-126.85	38.49	-23.77
		67	0.35	0.86	0.12	0.86	0.13	0.08	31.90	-185.50	-181.22	27.62	-30.21
		31	0.35	0.84	0.03	0.84	0.04	0.08	43.75	-178.42	-178.06	43.40	-8.88
2	8	68	0.52	1.10	0.24	1.09	0.25	-0.08	99.84	-241.55	-238.25	96.53	-33.44
		69	0.53	1.10	0.24	1.09	0.25	-0.08	94.96	-251.25	-240.68	84.38	-59.58
		67	0.63	1.22	0.27	1.21	0.27	-0.08	81.75	-318.05	-307.35	71.05	-64.54
		31	0.62	1.21	0.26	1.21	0.27	-0.08	86.96	-308.68	-304.92	83.20	-38.40
2	9	68	0.27	0.19	-0.12	0.17	-0.09	0.08	54.30	-123.73	-123.69	54.27	-2.45
		69	0.26	0.22	-0.03	0.19	-1.84e-03	0.08	41.84	-130.20	-126.85	38.49	-23.77
		67	0.35	0.86	0.12	0.86	0.13	0.08	31.90	-185.50	-181.22	27.62	-30.21
		31	0.35	0.84	0.03	0.84	0.04	0.08	43.75	-178.42	-178.06	43.40	-8.88
2	10	68	0.48	0.96	0.19	0.96	0.20	-0.06	93.17	-224.55	-221.88	90.49	-29.01
		69	0.49	0.97	0.21	0.96	0.21	-0.06	87.34	-233.93	-224.42	77.83	-54.47
		67	0.59	1.16	0.25	1.16	0.25	-0.06	74.62	-299.10	-289.33	64.84	-59.64
		31	0.58	1.16	0.23	1.16	0.24	-0.06	80.69	-289.97	-286.79	77.51	-34.18
2	11	68	0.60	4.49	-1.30	4.36	-1.16	-0.86	189.55	-178.00	-87.06	98.61	-158.60
		69	0.88	6.61	-1.76	4.47	0.39	3.66	193.23	-325.29	-122.43	-9.63	-253.05
		67	1.45	17.82	1.17	16.53	2.46	4.45	-82.21	-736.14	-711.62	-106.73	-124.24
		31	1.45	16.19	1.77	16.17	1.79	-0.58	53.16	-689.49	-685.67	49.34	53.08
2	12	68	0.73	3.30	-2.81	2.92	-2.43	-1.47	126.52	-349.69	-34.08	-189.09	-225.14
		69	0.40	2.99	-0.26	2.96	-0.23	-0.29	88.51	-179.37	-49.65	-41.21	-133.88
		67	0.83	3.73	0.72	3.71	0.74	0.28	-26.55	-479.76	-453.67	-52.63	-105.55
		31	0.97	3.47	0.50	3.45	0.52	-0.22	-86.40	-595.26	-480.51	-201.15	-212.66
2	13	68	1.41	3.26	-1.43	-1.00	2.82	1.36	462.06	-501.66	-409.68	370.08	-283.17
		69	0.90	0.68	-1.05	-1.03	0.66	0.18	197.90	-400.23	-399.18	196.86	24.94
		67	0.81	-0.12	-1.51	-1.39	-0.24	-0.39	300.98	-243.64	-124.98	182.32	-224.82
		31	1.07	-0.04	-1.16	-1.14	-0.05	0.11	491.32	-228.21	-93.07	356.18	-281.02
2	14	68	0.95	1.70	-2.58	-2.44	1.56	0.75	171.26	-445.59	-356.70	82.38	-216.63
		69	0.86	2.74	-5.23	-2.54	0.04	-3.77	204.41	-365.53	-326.41	165.28	-144.12
		67	0.47	-0.44	-15.72	-14.21	-1.96	-4.56	236.66	132.73	132.96	236.42	4.97
		31	0.51	-1.30	-13.87	-13.86	-1.32	0.47	230.37	-12.60	112.09	105.68	-121.45
2	15	68	0.59	4.74	-1.48	4.33	-1.06	-1.54	220.59	-134.23	-30.62	116.98	-161.33
		69	0.84	6.53	-2.29	4.46	-0.22	3.74	160.31	-325.56	-119.23	-46.03	-240.16
		67	1.45	18.28	1.22	16.94	2.55	4.58	-93.63	-735.13	-710.95	-117.81	-122.16
		31	1.46	16.58	1.72	16.56	1.75	-0.60	71.07	-683.74	-679.58	66.90	55.93
2	16	68	0.72	3.06	-2.64	2.95	-2.53	-0.79	80.98	-378.96	-90.52	-207.45	-222.42
		69	0.44	3.01	0.32	2.96	0.37	-0.37	119.89	-177.54	-52.85	-4.80	-146.76
		67	0.83	3.30	0.64	3.29	0.65	0.15	-17.07	-478.82	-454.34	-41.55	-103.47
		31	0.97	3.08	0.55	3.07	0.57	-0.20	-103.73	-601.59	-486.61	-218.71	

209.81													
2	17	68	1.38	3.04	-1.14	-1.03	2.92	0.68	482.54	-447.34	-353.24	388.44	-
280.44													
		69	0.85	0.11	-1.09	-1.04	0.06	0.26	163.02	-398.55	-395.99	160.46	37.83
		67	0.79	-0.07	-1.05	-0.97	-0.15	-0.26	290.77	-243.84	-124.32	171.24	-
222.74													
		31	1.07	-0.08	-0.77	-0.76	-0.09	0.09	504.55	-217.79	-86.98	373.74	-
278.18													
2	18	68	1.00	1.93	-2.88	-2.41	1.46	1.43	149.52	-498.66	-413.14	64.01	-
219.35													
		69	0.88	3.22	-5.11	-2.53	0.65	-3.85	232.33	-360.25	-329.60	201.68	
131.23													
		67	0.48	-0.49	-16.18	-14.62	-2.05	-4.70	247.57	132.23	132.30	247.50	2.89
		31	0.52	-1.26	-14.26	-14.25	-1.28	0.49	221.67	-27.56	105.99	88.12	-
124.29													
2	19	68	0.62	4.37	-1.34	4.22	-1.20	-0.90	207.00	-180.33	-72.54	99.21	
173.59													
		69	0.25	6.60	-1.86	4.35	0.39	3.74	-8.63	-124.97	-116.08	-17.53	30.91
		67	1.44	18.14	1.19	16.83	2.50	4.53	-92.95	-733.89	-707.96	-118.88	-
126.28													
		31	1.45	16.48	1.79	16.46	1.81	-0.58	63.02	-683.88	-679.52	58.66	56.89
2	20	68	0.78	3.18	-2.86	2.78	-2.46	-1.50	150.52	-358.58	-19.56	-188.50	
240.13													
		69	0.45	2.86	-0.24	2.85	-0.22	-0.21	103.91	-196.32	-43.30	-49.11	
150.08													
		67	0.82	4.05	0.74	4.01	0.78	0.36	-38.74	-476.07	-450.02	-64.79	
103.51													
		31	0.98	3.76	0.52	3.75	0.54	-0.23	-74.61	-591.58	-474.36	-191.84	
216.47													
2	21	68	1.45	3.32	-1.32	-0.86	2.86	1.39	469.01	-523.73	-424.21	369.49	-
298.15													
		69	1.18	0.66	-0.93	-0.92	0.65	0.10	299.87	-500.64	-405.53	204.76	-
259.02													
		67	0.82	-0.13	-1.83	-1.69	-0.28	-0.47	308.12	-242.28	-128.64	194.48	-
222.78													
		31	1.07	-0.05	-1.45	-1.44	-0.06	0.12	485.58	-237.95	-99.23	346.86	-
284.83													
2	22	68	0.99	1.75	-2.45	-2.30	1.59	0.78	179.24	-468.68	-371.23	81.78	-
231.61													
		69	0.94	2.85	-5.24	-2.43	0.03	-3.85	209.26	-368.83	-332.75	173.18	-
139.84													
		67	0.48	-0.46	-16.05	-14.51	-2.00	-4.64	248.98	128.90	129.31	248.57	7.01
		31	0.52	-1.32	-14.17	-14.15	-1.33	0.47	226.49	-24.19	105.93	96.37	-
125.25													
2	23	68	0.62	4.63	-1.53	4.19	-1.10	-1.58	239.29	-137.82	-16.10	117.57	
176.31													
		69	0.26	6.52	-2.38	4.35	-0.21	3.82	-30.61	-136.20	-112.88	-53.93	43.80
		67	1.44	18.60	1.24	17.24	2.59	4.66	-104.38	-732.88	-707.30	-129.96	-
124.20													
		31	1.47	16.87	1.74	16.85	1.76	-0.60	80.95	-678.15	-673.42	76.22	59.74
2	24	68	0.76	2.94	-2.68	2.81	-2.56	-0.82	104.82	-387.68	-76.00	-206.86	
237.40													
		69	0.42	2.88	0.35	2.85	0.38	-0.29	108.63	-167.83	-46.50	-12.70	
137.20													
		67	0.82	3.61	0.67	3.59	0.69	0.22	-29.29	-475.10	-450.68	-53.71	
101.43													
		31	0.97	3.37	0.57	3.36	0.58	-0.21	-91.94	-597.91	-480.46	-209.40	
213.62													
2	25	68	1.42	3.08	-1.02	-0.89	2.96	0.71	489.64	-469.56	-367.77	387.85	-
295.42													
		69	1.11	0.08	-0.96	-0.92	0.05	0.18	259.84	-493.82	-402.33	168.36	-
246.13													
		67	0.80	-0.09	-1.37	-1.28	-0.19	-0.34	297.80	-242.37	-127.97	183.40	-
220.70													
		31	1.08	-0.10	-1.06	-1.05	-0.11	0.09	498.76	-227.47	-93.13	364.42	-
281.98													
2	26	68	1.04	2.00	-2.77	-2.27	1.50	1.46	157.29	-521.55	-427.67	63.42	-
234.34													
		69	1.01	3.33	-5.11	-2.42	0.64	-3.93	249.43	-375.80	-335.95	209.58	-
152.73													
		67	0.49	-0.51	-16.51	-14.93	-2.09	-4.78	259.84	128.46	128.64	259.65	4.93
		31	0.52	-1.27	-14.56	-14.54	-1.29	0.49	217.85	-39.21	99.83	78.81	-

128.10													
2	27	68	1.21	4.31	1.56	4.17	1.71	0.62	536.08	-268.59	-261.79	529.28	-73.64
		69	1.25	9.96	-4.46	4.30	1.20	7.05	254.92	-459.63	-304.20	99.49	-
294.79													
		67	2.23	27.62	1.11	25.21	3.52	7.62	126.98	-1002.89	-807.23	-68.67	-
427.54													
		31	2.17	24.96	2.61	24.94	2.63	-0.75	500.31	-768.95	-717.62	448.98	-
250.03													
2	28	68	0.80	0.11	-3.26	-0.64	-2.51	-1.40	-30.25	-484.67	-85.19	-429.73	
148.15													
		69	0.48	5.32	-6.90	-0.72	-0.86	-6.11	72.50	-139.89	-61.61	-5.78	
102.46													
		67	1.20	0.04	-19.77	-17.52	-2.21	-6.28	421.84	-257.61	52.58	111.65	
338.44													
		31	1.11	-1.59	-17.45	-17.44	-1.61	0.43	122.52	-542.27	-33.75	-386.00	
281.90													
2	29	68	1.54	4.03	1.43	2.56	2.90	1.29	652.75	-400.61	-358.58	610.72	-
206.17													
		69	1.15	8.01	-4.07	2.65	1.29	6.00	233.44	-459.23	-387.23	161.44	-
211.39													
		67	2.03	21.83	0.72	19.84	2.71	6.17	254.55	-867.75	-631.24	18.04	-
457.71													
		31	2.08	19.76	2.06	19.75	2.08	-0.54	644.60	-643.42	-539.84	541.03	-
350.26													
2	30	68	0.52	-0.91	-2.65	-2.25	-1.31	-0.73	-180.52	-349.74	-181.98	-348.29	15.62
		69	0.79	5.63	-8.78	-2.37	-0.78	-7.16	167.01	-255.48	-144.63	56.16	
185.86													
		67	1.29	-0.36	-25.55	-22.90	-3.02	-7.73	522.10	-95.16	228.57	198.36	
308.26													
		31	1.06	-2.14	-22.65	-22.63	-2.16	0.64	209.57	-359.49	144.03	-293.95	
181.67													
2	31	68	1.20	4.27	1.55	4.13	1.70	0.61	535.49	-263.46	-257.43	529.46	-69.15
		69	1.04	9.97	-4.50	4.26	1.21	7.07	186.93	-392.10	-302.30	97.12	-
209.60													
		67	2.23	27.72	1.12	25.30	3.54	7.64	124.63	-1003.08	-806.13	-72.32	-
428.15													
		31	2.17	25.05	2.61	25.03	2.64	-0.75	502.61	-766.61	-715.77	451.77	-
248.89													
2	32	68	0.80	0.08	-3.28	-0.68	-2.52	-1.41	-23.46	-486.93	-80.83	-429.55	
152.64													
		69	0.72	5.28	-6.90	-0.75	-0.86	-6.09	155.48	-223.34	-59.70	-8.15	
187.65													
		67	1.20	0.04	-19.67	-17.43	-2.20	-6.26	419.76	-258.08	53.68	108.00	
337.83													
		31	1.11	-1.59	-17.36	-17.35	-1.60	0.43	125.56	-540.67	-31.90	-383.21	
283.04													
2	33	68	1.55	4.06	1.45	2.60	2.92	1.30	654.17	-406.57	-362.93	610.54	-
210.67													
		69	1.33	8.00	-4.04	2.68	1.28	5.98	292.80	-518.12	-389.13	163.81	-
296.58													
		67	2.04	21.73	0.72	19.75	2.70	6.14	256.70	-867.35	-632.33	21.69	-
457.10													
		31	2.08	19.67	2.06	19.66	2.07	-0.54	642.51	-645.96	-541.68	538.23	-
351.40													
2	34	68	0.52	-0.90	-2.60	-2.20	-1.30	-0.72	-185.57	-349.23	-186.33	-348.47	11.12
		69	0.57	5.67	-8.78	-2.34	-0.78	-7.18	99.69	-187.70	-146.54	58.53	
100.67													
		67	1.30	-0.37	-25.65	-22.99	-3.03	-7.76	523.88	-94.39	227.48	202.01	
308.88													
		31	1.06	-2.14	-22.74	-22.72	-2.16	0.64	206.89	-361.45	142.18	-296.75	
180.53													
2	35	68	1.07	4.98	1.12	4.06	2.04	-1.65	596.72	-79.87	-73.66	590.50	-64.56
		69	1.09	9.49	-6.01	4.29	-0.81	7.32	128.43	-443.83	-293.54	-21.86	-
251.83													
		67	2.22	29.17	1.26	26.60	3.83	8.07	91.68	-1002.30	-805.01	-105.60	-
420.60													
		31	2.22	26.27	2.46	26.24	2.49	-0.82	553.76	-743.54	-697.29	507.51	-
240.53													
2	36	68	0.86	-0.24	-3.13	-0.53	-2.84	0.87	-205.56	-558.71	-273.32	-490.95	
139.06													
		69	0.43	6.68	-6.23	-0.71	1.16	-6.39	132.82	-89.53	-72.27	115.56	59.50
		67	1.21	-0.11	-21.31	-18.91	-2.51	-6.73	434.59	-235.65	50.37	148.58	

331.50													
		31	1.15	-1.44	-18.75	-18.73	-1.46	0.50	85.83	-584.45	-54.08	-444.54	
272.41													
2	37	68	1.44	3.90	1.79	2.45	3.23	-0.98	715.77	-214.27	-170.44	671.94	-
197.09													
		69	0.98	7.45	-5.54	2.64	-0.73	6.27	99.66	-436.14	-376.57	40.09	-
168.43													
		67	2.02	23.37	0.87	21.22	3.02	6.61	220.35	-868.26	-629.02	-18.89	-
450.77													
		31	2.13	21.06	1.91	21.04	1.93	-0.62	695.16	-615.11	-519.51	599.56	-
340.77													
2	38	68	0.69	-0.34	-3.44	-2.14	-1.64	1.53	-369.05	-410.56	-370.11	-409.51	6.53
		69	0.76	7.09	-8.20	-2.36	1.24	-7.43	230.44	-208.23	-155.29	177.51	
142.90													
		67	1.30	-0.51	-27.10	-24.28	-3.32	-8.18	532.19	-70.53	226.36	235.29	
301.33													
		31	1.11	-1.99	-23.95	-23.93	-2.01	0.71	179.43	-408.21	123.70	-352.49	
172.17													
2	39	68	1.07	4.96	1.09	4.02	2.03	-1.66	596.10	-74.72	-69.30	590.68	-60.06
		69	0.88	9.49	-6.04	4.25	-0.81	7.34	55.72	-371.58	-291.63	-24.23	-
166.64													
		67	2.22	29.26	1.27	26.69	3.84	8.09	89.36	-1002.53	-803.92	-109.25	-
421.21													
		31	2.22	26.35	2.46	26.32	2.49	-0.83	556.10	-741.23	-695.44	510.31	-
239.39													
2	40	68	0.87	-0.29	-3.13	-0.57	-2.85	0.86	-198.46	-561.27	-268.96	-490.77	
143.56													
		69	0.65	6.64	-6.22	-0.74	1.16	-6.36	192.75	-149.92	-70.36	113.19	
144.69													
		67	1.20	-0.10	-21.22	-18.82	-2.50	-6.70	432.37	-235.98	51.46	144.93	
330.89													
		31	1.15	-1.44	-18.66	-18.64	-1.45	0.50	88.81	-582.78	-52.23	-441.74	
273.55													
2	41	68	1.45	3.91	1.83	2.49	3.24	-0.97	717.31	-220.35	-174.80	671.76	-
201.58													
		69	1.16	7.45	-5.51	2.67	-0.73	6.25	161.57	-497.58	-378.47	42.46	-
253.62													
		67	2.02	23.28	0.86	21.13	3.01	6.59	222.45	-867.81	-630.12	-15.24	-
450.16													
		31	2.13	20.97	1.91	20.95	1.93	-0.62	693.03	-617.62	-521.36	596.77	-
341.91													
2	42	68	0.69	-0.30	-3.42	-2.10	-1.63	1.54	-374.35	-409.80	-374.47	-409.69	2.04
		69	0.58	7.12	-8.21	-2.32	1.24	-7.45	189.48	-166.80	-157.20	179.88	57.71
		67	1.30	-0.52	-27.19	-24.37	-3.34	-8.20	534.12	-69.92	225.26	238.94	
301.94													
		31	1.11	-1.99	-24.04	-24.01	-2.02	0.71	176.83	-410.25	121.86	-355.28	
171.03													
2	43	68	0.52	3.73	-1.00	3.62	-0.89	-0.70	151.81	-168.22	-114.24	97.82	
119.84													
		69	0.76	5.35	-1.28	3.71	0.36	2.86	156.54	-291.38	-143.41	8.57	-
210.67													
		67	1.26	14.27	1.01	13.27	2.00	3.49	-49.29	-643.94	-622.35	-70.87	-
111.23													
		31	1.26	13.01	1.44	12.99	1.46	-0.47	58.60	-602.38	-600.55	56.77	34.80
2	44	68	0.56	2.79	-2.16	2.49	-1.87	-1.17	72.41	-276.56	-74.02	-130.13	
172.21													
		69	0.37	2.55	-0.15	2.52	-0.12	-0.25	70.94	-172.97	-86.65	-15.38	-
116.63													
		67	0.75	3.17	0.62	3.16	0.64	0.21	-15.93	-431.01	-418.54	-28.40	70.86
		31	0.84	2.97	0.44	2.96	0.46	-0.19	-70.98	-509.63	-438.98	-141.62	
161.24													
2	45	68	1.20	2.62	-0.92	-0.57	2.26	1.06	381.66	-440.29	-369.74	311.12	-
230.24													
		69	0.80	0.57	-0.61	-0.60	0.55	0.13	171.15	-362.29	-362.18	171.03	7.70
		67	0.73	-9.33e-03	-0.97	-0.84	-0.13	-0.32	246.91	-248.93	-160.12	158.09	-
190.13													
		31	0.92	0.03	-0.65	-0.65	0.02	0.08	396.00	-233.96	-134.60	296.65	-
229.60													
2	46	68	0.84	1.40	-1.81	-1.70	1.29	0.59	149.24	-395.60	-329.53	83.17	-
177.86													
		69	0.74	2.26	-3.97	-1.78	0.07	-2.98	168.91	-327.25	-305.42	147.09	
101.74													

		67	0.40	-0.28	-12.17	-10.96	-1.49	-3.60	200.97	43.29	43.70	200.56	-8.05
		31	0.38	-0.98	-10.69	-10.68	-0.99	0.36	171.76	-46.54	26.96	98.26	-
103.16													
2	47	68	0.51	3.92	-1.13	3.60	-0.81	-1.23	173.29	-132.06	-71.17	112.40	
122.01													
		69	0.72	5.30	-1.70	3.71	-0.11	2.93	129.32	-289.48	-140.83	-19.33	-
200.39													
		67	1.26	14.64	1.04	13.61	2.07	3.60	-58.41	-643.12	-621.81	-79.72	-
109.58													
		31	1.27	13.32	1.41	13.30	1.43	-0.49	72.75	-597.71	-595.65	70.70	37.06
2	48	68	0.56	2.60	-2.04	2.52	-1.95	-0.64	39.71	-301.50	-117.10	-144.70	
170.05													
		69	0.41	2.57	0.30	2.53	0.35	-0.31	98.37	-175.09	-89.23	12.52	-
126.91													
		67	0.75	2.83	0.56	2.82	0.57	0.10	-7.91	-430.73	-419.08	-19.56	69.21
		31	0.83	2.66	0.48	2.64	0.49	-0.17	-85.10	-514.33	-443.88	-155.56	
158.99													
2	49	68	1.18	2.44	-0.69	-0.59	2.34	0.53	397.51	-398.50	-326.67	325.69	-
228.07													
		69	0.76	0.14	-0.65	-0.60	0.08	0.20	143.78	-360.24	-359.60	143.14	17.98
		67	0.71	0.02	-0.59	-0.51	-0.06	-0.21	238.49	-248.81	-159.57	149.25	-
188.48													
		31	0.93	-6.04e-03	-0.34	-0.33	-0.02	0.06	406.91	-226.03	-129.71	310.59	-
227.35													
2	50	68	0.87	1.59	-2.06	-1.68	1.20	1.12	132.73	-436.74	-372.60	68.59	-
180.03													
		69	0.76	2.64	-3.88	-1.78	0.54	-3.04	191.72	-324.74	-308.00	174.99	91.46
		67	0.42	-0.31	-12.55	-11.29	-1.57	-3.71	209.97	42.59	43.15	209.41	-9.69
		31	0.38	-0.94	-11.01	-10.99	-0.95	0.37	163.11	-56.72	22.07	84.33	-
105.42													
2	51	68	0.54	3.62	-1.03	3.51	-0.92	-0.72	163.60	-167.88	-102.73	98.45	
131.72													
		69	0.29	5.33	-1.36	3.61	0.36	2.92	3.51	-139.39	-138.35	2.47	12.17
		67	1.26	14.52	1.02	13.51	2.03	3.55	-57.74	-641.45	-618.69	-80.49	-
112.98													
		31	1.26	13.23	1.45	13.21	1.47	-0.47	66.84	-596.82	-594.66	64.68	37.76
2	52	68	0.59	2.69	-2.21	2.37	-1.90	-1.20	91.11	-283.12	-62.52	-129.50	
184.09													
		69	0.35	2.44	-0.13	2.43	-0.12	-0.19	58.85	-161.92	-81.59	-21.48	
106.21													
		67	0.74	3.42	0.64	3.39	0.67	0.27	-25.75	-427.15	-414.88	-38.02	69.10
		31	0.84	3.19	0.45	3.18	0.47	-0.19	-61.21	-505.60	-433.10	-133.71	
164.21													
2	53	68	1.23	2.67	-0.83	-0.45	2.29	1.09	386.81	-457.57	-381.25	310.49	-
242.12													
		69	1.02	0.55	-0.51	-0.50	0.54	0.07	251.90	-442.00	-367.24	177.13	-
215.15													
		67	0.74	-0.03	-1.21	-1.07	-0.17	-0.38	252.87	-248.94	-163.78	167.71	-
188.37													
		31	0.93	0.02	-0.88	-0.87	7.79e-03	0.08	390.58	-242.33	-140.49	288.73	-
232.57													
2	54	68	0.87	1.44	-1.71	-1.58	1.31	0.61	155.10	-413.60	-341.03	82.54	-
189.74													
		69	0.83	2.35	-3.97	-1.69	0.06	-3.04	182.91	-340.21	-310.48	153.19	-
121.11													
		67	0.42	-0.29	-12.42	-11.19	-1.53	-3.67	210.41	39.80	40.04	210.18	-6.29
		31	0.38	-0.99	-10.92	-10.90	-1.00	0.36	167.34	-55.93	21.07	90.34	-
106.13													
2	55	68	0.53	3.82	-1.18	3.48	-0.84	-1.26	185.99	-132.63	-59.66	113.02	
133.89													
		69	0.27	5.27	-1.77	3.61	-0.11	2.99	-21.04	-140.16	-135.77	-25.43	22.45
		67	1.25	14.89	1.05	13.84	2.10	3.66	-66.85	-640.63	-618.15	-89.34	-
111.34													
		31	1.27	13.55	1.42	13.53	1.44	-0.49	81.00	-592.16	-589.77	78.62	40.02
2	56	68	0.58	2.50	-2.08	2.40	-1.98	-0.67	58.11	-307.77	-105.59	-144.07	
181.93													
		69	0.34	2.46	0.32	2.43	0.35	-0.25	67.21	-144.96	-84.17	6.42	95.93
		67	0.74	3.07	0.59	3.05	0.60	0.16	-17.74	-426.86	-415.42	-29.18	67.45
		31	0.83	2.88	0.49	2.87	0.50	-0.17	-75.32	-510.31	-437.99	-147.64	
161.95													
2	57	68	1.21	2.48	-0.58	-0.48	2.37	0.55	402.77	-415.88	-338.18	325.06	-
239.95													

		69	0.97	0.11	-0.54	-0.50	0.07	0.14	220.91	-436.33	-364.66	149.24	-
204.86													
		67	0.72	8.16e-03	-0.84	-0.74	-0.09	-0.28	244.40	-248.76	-163.23	158.86	-
186.72													
		31	0.93	-0.02	-0.56	-0.56	-0.03	0.06	401.44	-234.37	-135.59	302.67	-
230.31													
2	58	68	0.91	1.64	-1.97	-1.56	1.23	1.15	138.45	-454.59	-384.11	67.97	-
191.91													
		69	0.89	2.72	-3.87	-1.68	0.53	-3.10	213.85	-345.83	-313.06	181.09	-
131.39													
		67	0.44	-0.33	-12.80	-11.52	-1.60	-3.78	219.38	39.14	39.49	219.03	-7.94
		31	0.38	-0.95	-11.23	-11.22	-0.96	0.38	158.78	-66.19	16.18	76.41	-
108.38													
2	59	68	1.05	3.58	1.25	3.48	1.35	0.47	444.27	-256.44	-250.58	438.42	-63.79
		69	1.06	7.97	-3.40	3.59	0.98	5.54	212.67	-405.49	-286.19	93.37	-
243.95													
		67	1.87	22.01	0.97	20.14	2.84	5.99	111.99	-850.62	-698.35	-40.28	-
351.27													
		31	1.84	19.94	2.11	19.92	2.13	-0.60	412.74	-666.52	-625.96	372.18	-
205.25													
2	60	68	0.58	0.27	-2.47	-0.30	-1.90	-1.11	-68.08	-369.87	-116.53	-321.42	
110.79													
		69	0.38	4.34	-5.32	-0.37	-0.61	-4.83	47.08	-130.54	-97.01	13.54	69.51
		67	0.90	0.10	-15.38	-13.59	-1.69	-4.95	303.80	-221.49	-18.97	101.28	
255.67													
		31	0.80	-1.22	-13.53	-13.52	-1.22	0.33	50.31	-426.85	-87.41	-289.12	
216.21													
2	61	68	1.31	3.26	1.26	2.22	2.30	1.00	535.44	-360.27	-327.23	502.41	-
168.81													
		69	1.00	6.43	-3.09	2.30	1.04	4.72	199.83	-409.55	-351.82	142.11	-
178.44													
		67	1.72	17.44	0.66	15.90	2.20	4.84	210.85	-742.13	-559.68	28.41	-
374.94													
		31	1.75	15.85	1.68	15.83	1.70	-0.44	524.29	-566.32	-486.18	444.15	-
284.58													
2	62	68	0.41	-0.60	-1.91	-1.56	-0.96	-0.58	-192.67	-257.94	-193.18	-257.43	5.77
		69	0.64	4.57	-6.79	-1.66	-0.56	-5.65	125.54	-225.90	-162.64	62.29	
135.02													
		67	0.95	-0.22	-19.93	-17.82	-2.33	-6.10	378.19	-88.52	119.70	169.97	
232.00													
		31	0.73	-1.64	-17.63	-17.61	-1.66	0.49	109.70	-274.49	52.37	-217.15	
136.89													
2	63	68	1.04	3.54	1.25	3.44	1.34	0.46	443.86	-252.38	-247.13	438.61	-60.23
		69	0.91	7.97	-3.43	3.56	0.99	5.56	161.79	-354.93	-284.68	91.54	-
177.10													
		67	1.87	22.08	0.97	20.21	2.85	6.00	110.12	-850.54	-697.25	-43.17	-
351.80													
		31	1.84	20.01	2.11	19.99	2.13	-0.61	414.75	-664.39	-624.19	374.56	-
204.36													
2	64	68	0.58	0.25	-2.49	-0.34	-1.91	-1.12	-62.53	-371.78	-113.08	-321.23	
114.35													
		69	0.56	4.31	-5.32	-0.40	-0.61	-4.81	104.63	-188.41	-95.49	11.71	
136.36													
		67	0.90	0.11	-15.30	-13.52	-1.68	-4.94	301.94	-221.42	-17.88	98.40	
255.14													
		31	0.80	-1.21	-13.46	-13.45	-1.22	0.33	53.06	-425.45	-85.65	-286.75	
217.10													
2	65	68	1.32	3.29	1.27	2.26	2.31	1.01	536.48	-364.95	-330.69	502.22	-
172.38													
		69	1.14	6.43	-3.06	2.33	1.04	4.70	244.57	-453.98	-353.34	143.94	-
245.30													
		67	1.72	17.37	0.66	15.83	2.19	4.82	212.56	-742.05	-560.78	31.29	-
374.41													
		31	1.75	15.78	1.68	15.76	1.69	-0.44	522.42	-568.59	-487.94	441.77	-
285.46													
2	66	68	0.41	-0.59	-1.88	-1.52	-0.95	-0.58	-196.55	-257.70	-196.63	-257.62	2.20
		69	0.48	4.60	-6.79	-1.63	-0.56	-5.67	82.92	-182.96	-164.16	64.12	68.17
		67	0.95	-0.22	-20.01	-17.89	-2.34	-6.12	379.83	-88.37	118.60	172.86	
232.52													
		31	0.73	-1.65	-17.69	-17.68	-1.66	0.49	107.22	-276.14	50.61	-219.53	
136.00													
2	67	68	0.93	4.09	0.93	3.40	1.62	-1.31	492.33	-112.34	-107.01	486.99	-56.57

		69	0.93	7.62	-4.63	3.58	-0.58	5.76	112.95	-390.17	-277.60	0.37	-
209.68													
		67	1.86	23.25	1.08	21.25	3.08	6.35	83.51	-849.81	-696.53	-69.77	-
345.78													
		31	1.88	20.99	1.99	20.97	2.01	-0.66	455.35	-646.36	-609.64	418.63	-
197.74													
2	68	68	0.66	-9.29e-03	-2.38	-0.22	-2.17	0.67	-197.81	-432.28	-260.11	-369.98	
103.57													
		69	0.38	5.39	-4.80	-0.36	0.95	-5.05	112.24	-111.30	-105.60	106.54	35.24
		67	0.91	-0.01	-16.63	-14.70	-1.94	-5.32	316.39	-206.41	-20.79	130.77	
250.18													
		31	0.83	-1.10	-14.58	-14.57	-1.11	0.39	19.09	-458.39	-103.73	-335.57	
208.71													
2	69	68	1.22	3.17	1.54	2.14	2.57	-0.78	584.95	-217.63	-183.66	550.97	-
161.59													
		69	0.86	6.02	-4.26	2.29	-0.52	4.94	96.39	-390.51	-343.23	49.11	-
144.17													
		67	1.70	18.69	0.77	17.02	2.44	5.21	183.12	-742.06	-557.86	-1.08	-
369.45													
		31	1.79	16.89	1.57	16.88	1.58	-0.50	564.79	-544.06	-469.86	490.60	-
277.07													
2	70	68	0.56	-0.15	-2.55	-1.47	-1.23	1.20	-305.93	-336.83	-336.76	-306.00	-1.46
		69	0.63	5.70	-6.34	-1.65	1.01	-5.87	183.86	-199.82	-171.23	155.28	
100.75													
		67	0.96	-0.33	-21.18	-18.94	-2.58	-6.46	388.82	-71.48	117.88	199.46	
226.51													
		31	0.77	-1.52	-18.67	-18.66	-1.54	0.55	84.19	-311.74	36.06	-263.60	
129.38													
2	71	68	0.93	4.07	0.91	3.36	1.62	-1.32	491.89	-108.27	-103.55	487.17	-53.00
		69	0.78	7.62	-4.65	3.55	-0.58	5.78	59.36	-336.90	-276.08	-1.46	-
142.83													
		67	1.86	23.33	1.09	21.32	3.09	6.37	81.67	-849.76	-695.43	-72.66	-
346.31													
		31	1.88	21.06	1.99	21.03	2.02	-0.67	457.38	-644.26	-607.88	421.00	-
196.86													
2	72	68	0.66	-0.05	-2.39	-0.25	-2.18	0.66	-192.08	-434.38	-256.66	-369.80	
107.13													
		69	0.52	5.36	-4.80	-0.39	0.95	-5.04	146.33	-145.70	-104.08	104.71	
102.09													
		67	0.90	-5.85e-03	-16.55	-14.63	-1.93	-5.30	314.42	-206.23	-19.70	127.89	
249.65													
		31	0.83	-1.09	-14.51	-14.50	-1.10	0.39	21.79	-456.95	-101.96	-333.19	
209.59													
2	73	68	1.23	3.18	1.58	2.17	2.58	-0.77	586.06	-222.39	-187.11	550.79	-
165.16													
		69	1.00	6.02	-4.23	2.32	-0.53	4.92	142.36	-436.17	-344.75	50.94	-
211.02													
		67	1.70	18.61	0.77	16.95	2.43	5.19	184.80	-741.95	-558.96	1.80	-
368.92													
		31	1.79	16.83	1.56	16.81	1.58	-0.50	562.90	-546.31	-471.63	488.22	-
277.96													
2	74	68	0.56	-0.12	-2.54	-1.44	-1.22	1.21	-305.46	-340.94	-340.21	-306.18	-5.02
		69	0.52	5.73	-6.34	-1.62	1.01	-5.89	160.56	-176.20	-172.75	157.11	33.89
		67	0.96	-0.34	-21.26	-19.01	-2.59	-6.48	390.59	-71.47	116.78	202.35	
227.03													
		31	0.77	-1.53	-18.74	-18.72	-1.54	0.55	81.77	-313.46	34.29	-265.98	
128.49													
2	75	68	0.49	3.26	-0.79	3.17	-0.70	-0.59	129.93	-166.57	-132.97	96.32	93.99
		69	0.68	4.56	-0.98	3.24	0.33	2.36	135.74	-272.71	-157.44	20.47	-
183.84													
		67	1.14	11.98	0.89	11.18	1.70	2.88	-27.90	-584.39	-564.95	-47.34	-
102.18													
		31	1.14	10.96	1.23	10.94	1.25	-0.40	60.79	-547.51	-546.65	59.93	22.88
2	76	68	0.46	2.47	-1.75	2.23	-1.51	-0.98	41.50	-233.20	-99.64	-92.06	
137.30													
		69	0.37	2.28	-0.08	2.26	-0.06	-0.21	64.81	-174.70	-110.49	0.61	-
106.09													
		67	0.71	2.83	0.56	2.81	0.57	0.16	-6.24	-402.45	-396.47	-12.22	48.30
		31	0.76	2.66	0.41	2.65	0.42	-0.17	-58.30	-458.79	-413.06	-104.04	
127.38													
2	77	68	1.07	2.20	-0.61	-0.31	1.91	0.87	329.67	-400.75	-344.13	273.05	-
195.32													

		69	0.74	0.50	-0.34	-0.33	0.49	0.10	155.06	-338.36	-338.34	155.05	-2.84
		67	0.68	0.07	-0.63	-0.50	-0.07	-0.28	212.97	-253.24	-182.18	141.91	-
167.57													
		31	0.84	0.06	-0.34	-0.34	0.05	0.05	336.19	-237.66	-160.53	259.06	-
195.74													
2	78	68	0.76	1.19	-1.34	-1.25	1.10	0.47	136.35	-362.48	-310.80	84.67	-
152.02													
		69	0.67	1.96	-3.18	-1.31	0.10	-2.47	147.96	-304.16	-291.39	135.19	74.90
		67	0.41	-0.16	-9.89	-8.86	-1.19	-2.99	178.55	-15.23	-13.71	177.03	-17.09
		31	0.39	-0.77	-8.64	-8.63	-0.78	0.28	143.85	-75.68	-26.94	95.10	-91.24
2	79	68	0.47	3.41	-0.90	3.15	-0.63	-1.03	146.06	-134.99	-97.28	108.36	95.78
		69	0.65	4.51	-1.33	3.24	-0.06	2.41	112.26	-270.22	-155.31	-2.65	-
175.35													
		67	1.14	12.29	0.92	11.45	1.76	2.97	-35.43	-583.71	-564.50	-54.65	-
100.82													
		31	1.15	11.22	1.21	11.20	1.22	-0.41	72.44	-543.61	-542.61	71.44	24.74
2	80	68	0.47	2.33	-1.65	2.25	-1.58	-0.54	16.69	-256.11	-135.32	-104.10	
135.51													
		69	0.40	2.30	0.29	2.26	0.32	-0.27	88.88	-177.78	-112.62	23.72	-
114.58													
		67	0.71	2.54	0.51	2.54	0.51	0.07	0.63	-402.46	-396.92	-4.91	46.94
		31	0.75	2.40	0.44	2.39	0.45	-0.15	-70.15	-462.51	-417.10	-115.55	
125.51													
2	81	68	1.04	2.05	-0.41	-0.33	1.97	0.43	342.62	-365.97	-308.45	285.09	-
193.53													
		69	0.70	0.15	-0.38	-0.33	0.10	0.16	132.00	-336.28	-336.21	131.93	5.65
		67	0.67	0.10	-0.33	-0.22	-6.84e-03	-0.19	205.87	-253.01	-181.73	134.60	-
166.21													
		31	0.84	0.04	-0.09	-0.08	0.03	0.04	345.46	-231.37	-156.49	270.58	-
193.88													
2	82	68	0.80	1.35	-1.55	-1.23	1.03	0.92	123.02	-396.87	-346.48	72.63	-
153.81													
		69	0.70	2.27	-3.09	-1.31	0.48	-2.53	167.86	-303.08	-293.52	158.30	66.41
		67	0.43	-0.19	-10.20	-9.14	-1.25	-3.08	186.04	-15.86	-14.16	184.34	-18.46
		31	0.39	-0.74	-8.90	-8.89	-0.75	0.30	135.62	-83.01	-30.98	83.58	-93.10
2	83	68	0.49	3.17	-0.82	3.07	-0.72	-0.61	138.08	-164.66	-123.46	96.87	
103.81													
		69	0.33	4.54	-1.04	3.16	0.34	2.41	15.45	-153.28	-153.28	15.44	0.83
		67	1.14	12.19	0.90	11.37	1.72	2.93	-34.91	-582.33	-561.96	-55.29	-
103.63													
		31	1.14	11.14	1.24	11.13	1.26	-0.40	67.54	-542.88	-541.82	66.49	25.33
2	84	68	0.48	2.39	-1.79	2.13	-1.53	-1.00	56.29	-237.94	-90.13	-91.51	
147.11													
		69	0.31	2.19	-0.07	2.18	-0.06	-0.16	38.27	-149.02	-106.33	-4.42	78.57
		67	0.70	3.03	0.58	3.01	0.60	0.21	-14.38	-399.27	-393.48	-20.17	46.85
		31	0.76	2.84	0.42	2.83	0.43	-0.17	-50.38	-455.33	-408.23	-97.47	
129.82													
2	85	68	1.09	2.25	-0.53	-0.21	1.93	0.89	333.73	-414.86	-353.64	272.50	-
205.14													
		69	0.93	0.49	-0.25	-0.25	0.49	0.05	222.32	-404.75	-342.51	160.07	-
187.51													
		67	0.69	0.05	-0.83	-0.69	-0.09	-0.33	218.26	-253.58	-185.17	149.86	-
166.12													
		31	0.84	0.05	-0.53	-0.52	0.05	0.06	331.54	-244.40	-165.35	252.50	-
198.18													
2	86	68	0.79	1.22	-1.25	-1.15	1.12	0.50	140.90	-377.09	-320.31	84.12	-
161.84													
		69	0.77	2.03	-3.18	-1.23	0.09	-2.52	166.30	-321.64	-295.55	140.21	-
109.76													
		67	0.43	-0.18	-10.09	-9.05	-1.22	-3.04	186.18	-17.90	-16.70	184.98	-15.64
		31	0.39	-0.78	-8.83	-8.82	-0.79	0.29	139.72	-82.95	-31.76	88.53	-93.69
2	87	68	0.48	3.33	-0.93	3.05	-0.66	-1.05	154.87	-133.73	-87.78	108.91	
105.60													
		69	0.30	4.49	-1.39	3.16	-0.05	2.46	-7.07	-151.75	-151.15	-7.68	9.32
		67	1.14	12.50	0.93	11.65	1.78	3.02	-42.44	-581.66	-561.51	-62.59	-
102.27													
		31	1.15	11.40	1.21	11.39	1.23	-0.42	79.21	-538.98	-537.78	78.01	27.19
2	88	68	0.49	2.24	-1.68	2.15	-1.60	-0.56	31.07	-260.43	-125.81	-103.55	
145.32													
		69	0.31	2.21	0.30	2.18	0.33	-0.22	49.74	-139.50	-108.46	18.70	70.08
		67	0.70	2.74	0.53	2.73	0.54	0.12	-7.50	-399.28	-393.93	-12.86	45.49
		31	0.76	2.59	0.45	2.57	0.46	-0.15	-62.22	-459.05	-412.27	-108.99	

127.96													
2	89	68	1.07	2.08	-0.32	-0.23	2.00	0.45	346.75	-380.16	-317.95	284.54	-
203.35													
		69	0.88	0.13	-0.28	-0.25	0.10	0.11	196.63	-400.05	-340.38	136.96	-
179.02													
		67	0.68	0.08	-0.53	-0.41	-0.03	-0.24	211.12	-253.30	-184.72	142.55	-
164.76													
		31	0.84	0.02	-0.27	-0.26	0.02	0.04	340.78	-238.08	-161.31	264.01	-
196.32													
2	90	68	0.82	1.40	-1.48	-1.13	1.05	0.94	127.46	-411.37	-355.99	72.08	-
163.63													
		69	0.81	2.34	-3.09	-1.23	0.48	-2.58	191.89	-326.25	-297.68	163.33	-
118.25													
		67	0.44	-0.20	-10.40	-9.33	-1.28	-3.13	193.65	-18.52	-17.15	192.28	-17.01
		31	0.39	-0.75	-9.09	-9.08	-0.76	0.30	131.57	-90.35	-35.80	77.02	-95.55
2	91	68	0.95	3.12	1.08	3.05	1.15	0.38	383.27	-251.06	-245.76	377.96	-57.79
		69	0.95	6.70	-2.72	3.14	0.85	4.57	187.14	-371.94	-275.54	90.74	-
211.19													
		67	1.64	18.37	0.86	16.85	2.39	4.94	101.83	-751.44	-627.54	-22.08	-
300.62													
		31	1.62	16.69	1.79	16.67	1.80	-0.51	354.35	-600.80	-567.36	320.92	-
175.54													
2	92	68	0.44	0.37	-1.99	-0.08	-1.54	-0.93	-88.32	-296.33	-134.66	-249.99	86.56
		69	0.34	3.70	-4.31	-0.14	-0.47	-4.00	39.08	-133.57	-119.03	24.54	47.96
		67	0.72	0.15	-12.54	-11.03	-1.36	-4.11	231.00	-201.96	-65.95	94.99	
200.97													
		31	0.64	-0.96	-10.98	-10.98	-0.97	0.26	6.52	-354.21	-122.06	-225.63	
172.77													
2	93	68	1.16	2.79	1.15	2.00	1.94	0.82	458.22	-336.35	-309.10	430.98	-
144.58													
		69	0.91	5.42	-2.45	2.06	0.90	3.89	179.45	-378.14	-329.81	131.12	-
156.89													
		67	1.51	14.60	0.61	13.35	1.86	3.99	182.26	-660.27	-512.71	34.70	-
320.24													
		31	1.54	13.30	1.43	13.29	1.44	-0.37	445.48	-516.35	-451.53	380.66	-
241.13													
2	94	68	0.35	-0.42	-1.47	-1.12	-0.76	-0.49	-196.92	-198.06	-198.01	-196.97	-0.24
		69	0.55	3.88	-5.51	-1.21	-0.42	-4.68	102.78	-211.17	-173.30	64.91	
102.26													
		67	0.74	-0.11	-16.30	-14.53	-1.88	-5.05	288.83	-88.18	48.88	151.77	
181.35													
		31	0.51	-1.32	-14.37	-14.36	-1.33	0.40	47.59	-219.71	-6.22	-165.89	
107.18													
2	95	68	0.94	3.09	1.07	3.02	1.15	0.37	382.93	-247.71	-242.90	378.13	-54.84
		69	0.83	6.70	-2.74	3.11	0.85	4.58	146.87	-331.92	-274.29	89.24	-
155.79													
		67	1.64	18.44	0.87	16.91	2.40	4.95	100.23	-751.33	-626.64	-24.46	-
301.06													
		31	1.62	16.74	1.79	16.73	1.81	-0.51	356.03	-599.06	-565.92	322.89	-
174.81													
2	96	68	0.45	0.35	-2.01	-0.11	-1.55	-0.94	-83.62	-298.02	-131.81	-249.83	89.50
		69	0.47	3.68	-4.31	-0.16	-0.47	-3.99	77.68	-172.43	-117.78	23.03	
103.36													
		67	0.71	0.16	-12.47	-10.97	-1.35	-4.09	229.25	-201.69	-65.05	92.61	
200.53													
		31	0.64	-0.96	-10.93	-10.92	-0.97	0.26	8.85	-353.13	-120.61	-223.66	
173.50													
2	97	68	1.17	2.81	1.16	2.03	1.94	0.82	459.04	-340.18	-311.96	430.82	-
147.52													
		69	1.02	5.41	-2.43	2.09	0.90	3.88	215.14	-413.57	-331.05	132.63	-
212.29													
		67	1.51	14.54	0.61	13.29	1.85	3.98	183.74	-660.27	-513.60	37.08	-
319.81													
		31	1.54	13.24	1.43	13.23	1.44	-0.37	443.91	-518.20	-452.98	378.69	-
241.86													
2	98	68	0.35	-0.41	-1.44	-1.09	-0.75	-0.49	-195.31	-202.69	-200.86	-197.14	-3.18
		69	0.44	3.91	-5.52	-1.18	-0.43	-4.70	75.21	-183.34	-174.55	66.42	46.86
		67	0.74	-0.12	-16.36	-14.59	-1.89	-5.07	290.44	-88.31	47.98	154.15	
181.78													
		31	0.51	-1.32	-14.43	-14.42	-1.33	0.40	45.45	-220.98	-7.67	-167.86	
106.45													
2	99	68	0.84	3.53	0.82	2.98	1.38	-1.09	422.98	-131.70	-126.82	418.10	-51.82

		69	0.84	6.42	-3.73	3.13	-0.44	4.75	103.59	-358.34	-268.44	13.68	-182.89
		67	1.63	19.40	0.96	17.77	2.59	5.24	78.07	-750.54	-626.04	-46.43	-296.08
		31	1.65	17.55	1.69	17.53	1.71	-0.56	389.69	-584.29	-553.90	359.30	-169.34
2	100	68	0.54	0.14	-1.92	-0.01	-1.76	0.54	-189.23	-354.49	-253.60	-290.13	80.59
		69	0.36	4.56	-3.87	-0.13	0.82	-4.19	103.28	-127.81	-126.12	101.60	19.65
		67	0.72	0.06	-13.57	-11.95	-1.56	-4.41	243.45	-191.55	-67.45	119.35	-196.43
		31	0.66	-0.87	-11.85	-11.84	-0.87	0.31	-21.25	-378.30	-135.53	-264.02	-166.56
2	101	68	1.08	2.71	1.38	1.93	2.16	-0.66	499.00	-218.04	-190.17	471.12	-138.61
		69	0.79	5.09	-3.43	2.06	-0.40	4.07	93.76	-362.41	-322.71	54.06	-128.59
		67	1.50	15.63	0.70	14.27	2.06	4.29	159.04	-659.91	-511.21	10.34	-315.70
		31	1.58	14.16	1.33	14.15	1.35	-0.42	479.21	-498.23	-438.06	419.04	-234.93
2	102	68	0.49	-0.04	-2.00	-1.06	-0.98	0.98	-236.63	-317.43	-316.95	-237.11	-6.21
		69	0.56	4.81	-5.14	-1.20	0.87	-4.86	158.13	-196.55	-180.40	141.97	73.95
		67	0.74	-0.21	-17.33	-15.45	-2.09	-5.35	299.92	-76.41	47.38	176.12	-176.81
		31	0.55	-1.22	-15.24	-15.22	-1.23	0.45	24.82	-248.78	-19.69	-204.28	-100.98
2	103	68	0.84	3.51	0.81	2.95	1.37	-1.10	422.63	-128.33	-123.96	418.26	-48.87
		69	0.72	6.42	-3.76	3.10	-0.44	4.77	61.60	-316.62	-267.19	12.17	-127.49
		67	1.63	19.46	0.96	17.83	2.60	5.25	76.50	-750.45	-625.14	-48.82	-296.52
		31	1.65	17.61	1.69	17.59	1.71	-0.56	391.39	-582.57	-552.45	361.27	-168.61
2	104	68	0.54	0.11	-1.92	-0.04	-1.77	0.54	-184.55	-356.16	-250.75	-289.96	83.53
		69	0.46	4.54	-3.87	-0.15	0.82	-4.17	122.83	-147.62	-124.88	100.09	75.05
		67	0.72	0.06	-13.50	-11.89	-1.55	-4.39	241.62	-191.20	-66.55	116.96	-195.99
		31	0.66	-0.86	-11.79	-11.78	-0.87	0.31	-18.95	-377.18	-134.08	-262.05	-167.30
2	105	68	1.09	2.72	1.41	1.96	2.17	-0.65	499.87	-221.94	-193.02	470.95	-141.56
		69	0.90	5.09	-3.40	2.08	-0.40	4.06	130.11	-398.51	-323.96	55.56	-183.99
		67	1.50	15.56	0.70	14.21	2.05	4.28	160.50	-659.88	-512.11	12.73	-315.27
		31	1.58	14.11	1.33	14.09	1.35	-0.42	477.63	-500.06	-439.51	417.07	-235.66
2	106	68	0.50	-0.01	-1.99	-1.03	-0.98	0.99	-236.27	-320.80	-319.80	-237.27	-9.15
		69	0.51	4.83	-5.14	-1.18	0.87	-4.88	144.54	-182.70	-181.64	143.48	18.55
		67	0.75	-0.21	-17.39	-15.51	-2.09	-5.37	301.63	-76.64	46.49	178.51	-177.25
		31	0.55	-1.22	-15.29	-15.28	-1.24	0.45	22.75	-250.13	-21.14	-206.25	-100.24
13	1	60	0.26	-0.20	-0.38	-0.38	-0.20	3.20e-03	29.39	-139.30	-137.69	27.79	16.38
		21	0.29	0.18	-0.30	-0.30	0.18	3.20e-03	50.12	-136.54	-133.78	47.35	22.53
		61	0.27	0.33	0.31	0.33	0.31	3.20e-03	55.84	-123.45	-118.10	50.49	30.51
		74	0.25	0.25	-0.07	0.25	-0.07	3.20e-03	34.71	-125.80	-122.01	30.92	24.36
13	2	60	0.93	2.54	-0.08	2.49	-0.03	0.35	44.97	-509.44	-508.84	44.37	18.18
		21	1.02	2.68	0.58	2.62	0.64	0.35	168.35	-491.90	-485.35	161.80	65.40
		61	0.90	2.32	0.49	2.24	0.57	0.35	208.28	-387.34	-364.94	185.88	-113.31
		74	0.77	2.17	-0.16	2.11	-0.10	0.35	77.82	-397.80	-388.43	68.46	66.09
13	3	60	0.19	-0.15	-0.34	-0.34	-0.15	-4.12e-03	22.36	-100.22	-98.91	21.06	12.57
		21	0.21	0.13	-0.29	-0.29	0.13	-4.12e-03	36.33	-98.33	-96.27	34.27	16.52
		61	0.19	0.23	0.21	0.22	0.23	-4.12e-03	40.09	-89.99	-86.18	36.28	21.91
		74	0.18	0.16	-0.05	0.16	-0.05	-4.12e-03	25.89	-91.63	-88.83	23.08	17.95
13	4	60	0.86	2.57	-0.03	2.52	0.02	0.34	38.05	-470.47	-470.06	37.65	14.37
		21	0.95	2.69	0.53	2.64	0.59	0.34	154.57	-453.70	-447.85	148.71	59.39
		61	0.82	2.20	0.42	2.13	0.49	0.34	192.54	-353.89	-333.03	171.68	-104.71
		74	0.70	2.07	-0.14	2.02	-0.09	0.34	69.01	-363.64	-355.25	60.61	59.68
13	5	60	0.20	-0.15	-0.31	-0.31	-0.15	-4.02e-04	22.50	-104.14	-102.87	21.24	12.58

		21	0.21	0.14	-0.26	-0.26	0.14	-4.02e-04	37.58	-102.12	-100.02	35.49	16.98
		61	0.20	0.24	0.24	0.24	0.24	-4.02e-04	41.71	-92.80	-88.82	37.73	22.79
		74	0.19	0.18	-0.05	0.18	-0.05	-4.02e-04	26.35	-94.54	-91.67	23.48	18.40
13	6	60	0.64	1.63	-0.07	1.60	-0.04	0.23	32.79	-350.80	-350.30	32.30	13.79
		21	0.70	1.73	0.40	1.69	0.44	0.23	116.39	-339.01	-334.40	111.79	45.56
		61	0.62	1.56	0.36	1.51	0.41	0.23	143.32	-268.72	-253.38	127.99	77.99
		74	0.53	1.45	-0.11	1.42	-0.08	0.23	55.09	-275.87	-269.28	48.50	46.22
13	7	60	0.20	-0.15	-0.31	-0.31	-0.15	-4.02e-04	22.50	-104.14	-102.87	21.24	12.58
		21	0.21	0.14	-0.26	-0.26	0.14	-4.02e-04	37.58	-102.12	-100.02	35.49	16.98
		61	0.20	0.24	0.24	0.24	0.24	-4.02e-04	41.71	-92.80	-88.82	37.73	22.79
		74	0.19	0.18	-0.05	0.18	-0.05	-4.02e-04	26.35	-94.54	-91.67	23.48	18.40
13	8	60	0.50	1.05	-0.10	1.02	-0.07	0.16	29.57	-276.66	-276.07	28.98	13.43
		21	0.55	1.14	0.32	1.11	0.35	0.16	92.73	-267.92	-264.09	88.90	36.99
		61	0.49	1.16	0.32	1.13	0.36	0.16	112.82	-215.92	-204.01	100.91	61.43
		74	0.43	1.07	-0.09	1.05	-0.07	0.16	46.46	-221.46	-216.00	40.99	37.87
13	9	60	0.20	-0.15	-0.31	-0.31	-0.15	-4.02e-04	22.50	-104.14	-102.87	21.24	12.58
		21	0.21	0.14	-0.26	-0.26	0.14	-4.02e-04	37.58	-102.12	-100.02	35.49	16.98
		61	0.20	0.24	0.24	0.24	0.24	-4.02e-04	41.71	-92.80	-88.82	37.73	22.79
		74	0.19	0.18	-0.05	0.18	-0.05	-4.02e-04	26.35	-94.54	-91.67	23.48	18.40
13	10	60	0.46	0.85	-0.11	0.83	-0.08	0.14	28.51	-251.96	-251.33	27.87	13.31
		21	0.50	0.94	0.29	0.91	0.32	0.14	84.85	-244.23	-240.65	81.27	34.13
		61	0.45	1.03	0.31	1.00	0.34	0.14	102.66	-198.33	-187.56	91.89	55.91
		74	0.39	0.94	-0.09	0.92	-0.07	0.14	43.58	-203.33	-198.24	38.49	35.09
13	11	60	0.54	8.43	-2.48	3.99	1.97	-5.36	146.83	-174.59	-172.45	144.68	26.18
		21	0.46	4.79	3.41	3.44	4.77	-0.18	131.15	-175.35	-170.77	126.57	37.20
		61	0.29	8.94	5.15	5.97	8.12	-1.56	-19.12	-134.37	-133.50	-19.98	9.95
		74	0.50	5.97	1.16	5.32	1.81	-1.64	54.26	-233.54	-230.93	51.65	-27.30
13	12	60	0.52	18.20	6.27	18.20	6.28	-0.25	178.60	-25.50	118.38	34.72	-93.08
		21	0.80	16.29	1.83	16.22	1.90	-1.00	408.26	-9.64	163.14	235.48	-
205.79													
		61	0.60	8.19	-2.48	3.47	2.24	-5.30	120.47	-202.03	-109.26	27.71	-
145.99													
		74	0.48	4.33	2.86	4.03	3.16	0.59	-96.39	-286.66	-262.05	-121.00	-63.85
13	13	60	1.33	-6.42	-16.56	-16.53	-6.45	0.52	42.61	-642.63	-621.04	21.03	
119.69													
		21	1.50	-1.14	-14.51	-14.39	-1.26	1.28	37.23	-754.62	-644.45	-72.94	
274.05													
		61	1.10	4.06	-7.09	-1.46	-1.56	5.58	278.23	-388.02	-265.85	156.07	
257.81													
		74	0.64	-2.11	-3.38	-2.19	-3.29	-0.31	245.29	-181.73	-134.42	197.98	
134.03													
13	14	60	0.55	3.41	-7.87	-2.32	-2.14	5.64	-88.93	-330.22	-330.22	-88.93	0.43
		21	0.57	-1.53	-4.21	-1.61	-4.13	0.46	38.73	-313.30	-310.53	35.97	31.06
		61	0.74	-3.17	-8.23	-3.97	-7.44	1.84	225.95	-263.81	-241.61	203.76	
101.88													
		74	0.48	-0.64	-4.78	-3.48	-1.94	1.92	66.32	-206.52	-165.54	25.33	97.48
13	15	60	0.54	8.66	-1.96	4.53	2.17	-5.18	143.88	-170.70	-167.90	141.08	29.52
		21	0.45	4.67	3.84	3.90	4.61	-0.21	136.68	-169.41	-164.38	131.64	38.92
		61	0.29	8.87	4.88	5.91	7.84	-1.74	-14.60	-134.82	-132.79	-16.63	15.49
		74	0.50	6.00	1.25	5.35	1.89	-1.63	48.71	-231.57	-230.03	47.18	-20.70
13	16	60	0.52	17.67	6.06	17.66	6.07	-0.42	179.62	-27.47	113.83	38.32	-96.41
		21	0.79	15.83	2.00	15.76	2.07	-0.97	404.33	-17.18	156.75	230.40	-
207.52													
		61	0.61	8.16	-2.12	3.53	2.51	-5.12	122.94	-208.56	-109.97	24.35	-
151.53													
		74	0.49	4.28	2.80	4.01	3.08	0.57	-88.13	-291.34	-262.95	-116.52	-70.45
13	17	60	1.31	-6.19	-16.04	-15.99	-6.24	0.70	40.47	-639.53	-616.50	17.43	
123.03													
		21	1.49	-1.30	-14.05	-13.93	-1.43	1.25	43.69	-749.61	-638.05	-67.86	
275.77													
		61	1.11	3.72	-7.08	-1.52	-1.84	5.39	285.40	-391.12	-265.15	159.42	
263.36													
		74	0.65	-2.09	-3.29	-2.16	-3.21	-0.30	245.66	-185.67	-133.52	193.51	
140.63													
13	18	60	0.56	2.86	-8.07	-2.86	-2.34	5.46	-85.30	-334.79	-334.76	-85.33	-2.91
		21	0.57	-1.95	-4.09	-2.07	-3.97	0.49	33.35	-319.39	-316.93	30.89	29.34
		61	0.72	-2.94	-8.13	-3.91	-7.17	2.02	220.46	-262.37	-242.32	200.40	96.33
		74	0.47	-0.72	-4.81	-3.50	-2.03	1.91	65.43	-202.06	-166.44	29.81	90.88
13	19	60	0.55	9.21	-2.37	4.63	2.21	-5.66	148.34	-171.25	-168.65	145.74	28.73
		21	0.46	5.03	3.92	3.97	4.99	-0.22	135.30	-171.16	-165.98	130.12	39.50
		61	0.29	9.42	4.99	5.90	8.51	-1.79	-22.36	-133.62	-132.36	-23.62	11.78
		74	0.50	5.96	1.16	5.21	1.91	-1.74	50.45	-235.50	-232.47	47.42	-29.25

13	20	60	0.53	18.87	6.50	18.84	6.52	-0.55	179.29	-21.34	122.17	35.78	-90.54
		21	0.80	16.82	2.05	16.75	2.12	-1.04	410.05	-3.09	167.94	239.03	-203.49
		61	0.60	8.56	-2.53	3.40	2.63	-5.53	116.57	-200.61	-108.12	24.07	-144.16
		74	0.48	4.18	3.00	3.92	3.26	0.49	-98.93	-289.89	-263.59	-125.22	-65.81
13	21	60	1.34	-6.63	-17.24	-17.18	-6.69	0.82	40.59	-645.46	-624.84	19.97	117.15
		21	1.51	-1.35	-15.05	-14.92	-1.48	1.32	31.91	-757.65	-649.24	-76.50	271.74
		61	1.10	4.14	-7.49	-1.39	-1.96	5.81	279.58	-386.88	-266.99	159.70	255.98
		74	0.65	-2.04	-3.43	-2.07	-3.39	-0.21	250.45	-181.12	-132.88	202.21	135.99
13	22	60	0.56	3.27	-8.62	-2.97	-2.38	5.94	-89.98	-334.03	-334.01	-89.99	-2.11
		21	0.57	-2.04	-4.46	-2.14	-4.35	0.50	34.77	-317.69	-315.32	32.41	28.75
		61	0.75	-3.01	-8.72	-3.89	-7.83	2.07	228.62	-263.99	-242.75	207.39	100.05
		74	0.48	-0.58	-4.83	-3.37	-2.04	2.02	71.54	-205.98	-164.00	29.56	99.43
13	23	60	0.55	9.45	-1.86	5.17	2.42	-5.48	145.46	-167.43	-164.11	142.14	32.06
		21	0.45	4.95	4.31	4.43	4.82	-0.25	140.86	-165.24	-159.58	135.20	41.22
		61	0.29	9.35	4.73	5.84	8.23	-1.98	-17.63	-134.29	-131.65	-20.26	17.32
		74	0.49	5.98	1.24	5.24	1.99	-1.73	44.80	-233.43	-231.57	42.95	-22.66
13	24	60	0.53	18.35	6.27	18.30	6.32	-0.72	180.20	-23.20	117.63	39.38	-93.87
		21	0.79	16.36	2.21	16.29	2.29	-1.01	406.13	-10.63	161.54	233.96	-205.21
		61	0.61	8.53	-2.17	3.46	2.91	-5.35	119.06	-207.17	-108.83	20.72	-149.70
		74	0.49	4.13	2.94	3.89	3.17	0.48	-90.60	-294.64	-264.49	-120.75	-72.40
13	25	60	1.33	-6.39	-16.74	-16.64	-6.49	1.00	38.41	-642.33	-620.29	16.37	120.48
		21	1.49	-1.52	-14.59	-14.46	-1.65	1.29	38.36	-752.63	-642.84	-71.42	273.46
		61	1.11	3.80	-7.48	-1.45	-2.23	5.62	286.73	-389.96	-266.28	163.05	261.53
		74	0.65	-2.02	-3.34	-2.05	-3.31	-0.20	250.84	-185.08	-131.98	197.74	142.58
13	26	60	0.57	2.73	-8.83	-3.51	-2.59	5.76	-86.28	-338.67	-338.55	-86.39	-5.45
		21	0.58	-2.44	-4.35	-2.60	-4.18	0.53	29.41	-323.80	-321.72	27.33	27.03
		61	0.73	-2.77	-8.62	-3.83	-7.56	2.25	223.17	-262.60	-243.46	204.03	94.50
		74	0.47	-0.66	-4.86	-3.39	-2.13	2.00	70.63	-201.49	-164.90	34.04	92.84
13	27	60	1.63	-1.35	-24.43	-19.77	-6.01	-9.27	271.41	-710.47	-668.75	229.69	198.05
		21	1.92	6.07	-17.78	-17.71	6.00	1.29	121.78	-918.22	-726.13	-70.32	403.58
		61	1.02	14.86	3.01	6.29	11.58	5.30	183.99	-406.09	-208.10	-14.01	278.62
		74	0.82	6.08	-3.43	4.20	-1.56	-3.79	315.12	-171.68	-160.84	304.29	71.81
13	28	60	1.07	30.34	5.61	27.59	8.37	7.78	377.97	-214.15	300.67	-136.85	-199.49
		21	1.53	24.96	-3.62	24.89	-3.55	-1.45	748.92	-69.29	386.93	292.71	-406.38
		61	0.96	2.73	-12.78	-2.05	-8.00	-7.16	285.76	-268.10	-127.31	144.96	-241.16
		74	0.54	5.39	-2.55	-0.11	2.95	3.66	-217.75	-318.03	-264.58	-271.20	-50.03
13	29	60	1.92	-5.75	-28.71	-25.92	-8.54	-7.50	241.52	-852.26	-803.33	192.60	226.10
		21	2.26	4.30	-23.17	-23.06	4.19	1.73	102.02	-1100.42	-868.23	-130.17	474.64
		61	1.33	14.16	-1.42	4.06	8.68	7.44	276.46	-485.46	-247.81	38.81	352.98
		74	0.91	3.65	-4.79	1.95	-3.09	-3.39	376.60	-160.31	-131.89	348.18	120.21
13	30	60	0.85	25.96	1.31	21.43	5.84	9.54	237.52	-245.38	166.09	-173.94	-171.44
		21	1.18	19.58	-5.40	19.54	-5.36	-1.01	574.22	-96.54	244.82	232.85	-335.33
		61	0.77	-1.58	-13.61	-4.28	-10.91	-5.02	262.54	-231.78	-167.01	197.78	-166.80
		74	0.41	4.01	-4.95	-2.36	1.42	4.06	-226.99	-235.94	-235.63	-227.30	-1.63
13	31	60	1.63	-1.18	-24.33	-19.57	-5.94	-9.36	272.07	-709.67	-667.61	230.01	198.81

		21	1.92	6.14	-17.62	-17.55	6.07	1.28	123.45	-917.39	-724.69	-69.25	404.27
		61	1.02	14.88	3.09	6.27	11.70	5.23	183.90	-406.75	-207.76	-15.09	279.17
		74	0.82	6.08	-3.44	4.17	-1.53	-3.82	313.70	-171.98	-161.30	303.02	71.23
13	32	60	1.07	30.47	5.76	27.78	8.44	7.69	378.49	-213.21	301.80	-136.53	-198.73
		21	1.53	25.12	-3.56	25.05	-3.49	-1.46	749.51	-67.37	388.36	293.77	-405.69
		61	0.96	2.82	-12.77	-2.07	-7.88	-7.23	284.55	-267.64	-126.97	143.87	-240.61
		74	0.54	5.38	-2.54	-0.14	2.98	3.64	-218.00	-319.51	-265.05	-272.47	-50.62
13	33	60	1.92	-5.89	-28.83	-26.12	-8.61	-7.41	240.85	-853.04	-804.47	192.28	225.34
		21	2.27	4.24	-23.33	-23.22	4.13	1.74	100.33	-1101.24	-869.67	-131.24	473.95
		61	1.33	14.16	-1.52	4.08	8.56	7.51	276.60	-484.85	-248.15	39.90	352.43
		74	0.91	3.65	-4.78	1.98	-3.12	-3.36	378.09	-160.07	-131.43	349.45	120.80
13	34	60	0.85	25.86	1.15	21.24	5.77	9.63	237.04	-246.36	164.95	-174.26	-172.20
		21	1.18	19.42	-5.47	19.38	-5.43	-1.00	573.66	-98.48	243.38	231.79	-336.02
		61	0.77	-1.65	-13.64	-4.26	-11.02	-4.95	263.82	-232.30	-167.35	198.87	-167.35
		74	0.41	4.03	-4.96	-2.33	1.39	4.09	-225.91	-235.28	-235.17	-226.03	-1.04
13	35	60	1.58	-0.91	-22.39	-17.98	-5.32	-8.68	265.30	-701.21	-653.60	217.69	209.17
		21	1.89	5.52	-16.24	-16.18	5.45	1.18	143.99	-902.20	-704.81	-53.40	409.32
		61	1.06	13.60	3.16	6.09	10.67	4.69	209.67	-418.24	-205.75	-2.83	297.11
		74	0.82	6.16	-3.15	4.28	-1.27	-3.73	308.25	-176.72	-157.84	289.37	93.80
13	36	60	1.03	28.30	5.17	25.80	7.67	7.19	374.37	-213.70	285.52	-124.85	-210.61
		21	1.50	23.42	-3.07	23.35	-3.00	-1.34	735.26	-93.87	365.61	275.78	-412.12
		61	0.99	2.58	-11.52	-1.85	-7.09	-6.55	293.21	-289.09	-129.66	133.78	-259.64
		74	0.55	5.13	-2.64	-0.19	2.67	3.61	-189.69	-334.18	-267.58	-256.29	-72.02
13	37	60	1.87	-5.31	-26.67	-24.13	-7.84	-6.91	235.56	-843.15	-788.18	180.60	237.22
		21	2.23	3.75	-21.63	-21.52	3.64	1.62	124.34	-1084.51	-846.91	-113.25	480.38
		61	1.36	12.91	-1.29	3.86	7.77	6.83	302.03	-497.49	-245.45	49.99	371.47
		74	0.91	3.73	-4.50	2.03	-2.80	-3.33	373.52	-169.14	-128.89	333.27	142.20
13	38	60	0.85	23.91	0.88	19.64	5.15	8.95	234.92	-245.92	150.94	-161.94	-182.56
		21	1.17	18.04	-4.85	18.00	-4.81	-0.90	560.81	-121.37	223.51	215.93	-341.07
		61	0.80	-1.73	-12.35	-4.08	-9.99	-4.41	265.54	-248.31	-169.37	186.60	-185.28
		74	0.41	3.74	-5.04	-2.44	1.14	4.01	-198.49	-252.53	-238.63	-212.39	-23.62
13	39	60	1.58	-0.74	-22.29	-17.78	-5.25	-8.77	265.99	-700.45	-652.46	218.01	209.93
		21	1.89	5.58	-16.08	-16.02	5.52	1.17	145.67	-901.37	-703.37	-52.33	410.02
		61	1.06	13.61	3.24	6.07	10.79	4.62	209.58	-418.90	-205.40	-3.92	297.66
		74	0.82	6.16	-3.16	4.25	-1.24	-3.76	306.79	-176.99	-158.30	288.10	93.22
13	40	60	1.03	28.43	5.31	25.99	7.75	7.10	374.84	-212.71	286.66	-124.53	-209.85
		21	1.51	23.58	-3.01	23.51	-2.94	-1.35	735.84	-91.95	367.05	276.85	-411.43
		61	0.99	2.67	-11.52	-1.87	-6.97	-6.62	292.02	-288.65	-129.32	132.69	-259.09
		74	0.56	5.11	-2.63	-0.22	2.70	3.58	-190.00	-335.60	-268.05	-257.55	-72.61
13	41	60	1.88	-5.45	-26.79	-24.33	-7.92	-6.82	234.87	-843.91	-789.32	180.28	236.46

		21	2.23	3.68	-21.79	-21.68	3.58	1.63	122.65	-1085.32	-848.35	-114.32
479.69												
		61	1.36	12.91	-1.39	3.88	7.65	6.90	302.16	-496.88	-245.79	51.08
370.92												
		74	0.91	3.73	-4.50	2.06	-2.83	-3.30	375.04	-168.92	-128.42	334.54
142.79												
13	42	60	0.85	23.81	0.71	19.45	5.08	9.04	234.50	-246.96	149.80	-162.26
183.32												
		21	1.17	17.88	-4.91	17.84	-4.88	-0.89	560.25	-123.31	222.07	214.86
341.76												
		61	0.80	-1.80	-12.38	-4.06	-10.11	-4.34	266.80	-248.82	-169.71	187.69
185.83												
		74	0.41	3.76	-5.05	-2.41	1.11	4.04	-197.93	-251.35	-238.17	-211.12 -23.03
13	43	60	0.52	6.71	-1.85	3.32	1.53	-4.18	121.61	-191.59	-189.77	119.80 23.78
		21	0.46	3.83	2.89	2.91	3.82	-0.11	121.30	-190.53	-185.98	116.76 37.38
		61	0.30	7.10	4.25	4.90	6.45	-1.20	6.88	-148.29	-145.41	4.00 20.93
		74	0.48	4.84	0.96	4.38	1.42	-1.26	49.74	-223.76	-223.06	49.05 -13.74
13	44	60	0.34	14.54	4.94	14.54	4.94	-0.15	107.49	-34.17	40.62	32.69 -70.72
		21	0.59	13.04	1.50	12.99	1.55	-0.76	307.98	-26.39	78.58	203.01
155.18												
		61	0.47	6.55	-1.83	2.92	1.81	-4.15	90.19	-175.22	-126.73	41.70
102.56												
		74	0.43	3.59	2.26	3.36	2.49	0.50	-77.19	-257.88	-247.30	-87.76 -42.42
13	45	60	1.14	-5.09	-12.89	-12.87	-5.11	0.42	39.32	-559.55	-543.29	23.06 97.33
		21	1.27	-0.81	-11.27	-11.16	-0.91	1.04	42.41	-642.77	-559.88	-40.48
223.43												
		61	0.94	3.41	-5.46	-0.91	-1.13	4.43	236.80	-343.11	-248.38	142.07
214.38												
		74	0.58	-1.48	-2.67	-1.52	-2.62	-0.22	200.96	-185.38	-149.17	164.75
112.60												
13	46	60	0.51	2.78	-6.14	-1.66	-1.70	4.46	-64.02	-312.92	-312.89	-64.05 2.83
		21	0.56	-1.01	-3.25	-1.08	-3.18	0.39	48.55	-298.09	-295.32	45.78 30.88
		61	0.67	-2.27	-6.40	-2.89	-5.78	1.47	199.04	-248.97	-229.70	179.77 90.89
		74	0.45	-0.43	-3.66	-2.54	-1.55	1.54	58.33	-203.80	-173.41	27.93 83.93
13	47	60	0.52	6.89	-1.45	3.74	1.70	-4.04	119.23	-188.45	-186.17	116.94 26.42
		21	0.46	3.73	3.22	3.27	3.69	-0.14	125.68	-185.81	-180.92	120.78 38.74
		61	0.31	7.05	4.03	4.85	6.24	-1.34	10.81	-148.92	-144.80	6.68 25.33
		74	0.47	4.86	1.02	4.40	1.48	-1.25	45.77	-222.63	-222.36	45.51 -8.48
13	48	60	0.34	14.12	4.77	14.12	4.78	-0.28	109.65	-37.08	37.02	35.55 -73.36
		21	0.59	12.68	1.63	12.63	1.68	-0.74	304.90	-32.40	73.51	198.99
156.54												
		61	0.48	6.53	-1.54	2.96	2.03	-4.01	91.33	-179.65	-127.34	39.02
106.95												
		74	0.44	3.56	2.21	3.34	2.42	0.49	-71.34	-260.88	-248.01	-84.22 -47.69
13	49	60	1.13	-4.91	-12.49	-12.45	-4.95	0.56	37.52	-557.00	-539.68	20.20 99.97
		21	1.27	-0.94	-10.91	-10.81	-1.04	1.02	47.45	-638.72	-554.82	-36.45
224.80												
		61	0.95	3.14	-5.45	-0.96	-1.35	4.29	242.40	-345.42	-247.77	144.75
218.78												
		74	0.58	-1.46	-2.60	-1.50	-2.55	-0.21	200.96	-188.23	-148.47	161.20
117.87												
13	50	60	0.52	2.35	-6.30	-2.08	-1.87	4.32	-61.19	-316.49	-316.49	-61.19 0.19
		21	0.55	-1.34	-3.15	-1.44	-3.05	0.42	44.28	-302.92	-300.39	41.75 29.51
		61	0.66	-2.09	-6.32	-2.84	-5.56	1.62	194.69	-247.92	-230.31	177.09 86.50
		74	0.44	-0.49	-3.68	-2.55	-1.62	1.52	58.12	-200.75	-174.11	31.48 78.66
13	51	60	0.53	7.31	-1.76	3.83	1.73	-4.41	122.69	-189.03	-186.86	120.52 25.94
		21	0.46	4.01	3.29	3.32	3.98	-0.14	124.44	-187.24	-182.19	119.40 39.33
		61	0.30	7.47	4.11	4.82	6.75	-1.37	4.93	-148.09	-144.60	1.44 22.82
		74	0.47	4.82	0.96	4.28	1.50	-1.33	46.56	-224.93	-224.10	45.74 -14.95
13	52	60	0.35	15.05	5.12	15.04	5.14	-0.38	107.22	-30.27	43.54	33.41 -68.56
		21	0.59	13.46	1.66	13.41	1.72	-0.79	309.17	-21.15	82.37	205.65
153.22												
		61	0.47	6.82	-1.87	2.84	2.11	-4.33	86.79	-173.57	-125.92	39.14
100.67												
		74	0.43	3.47	2.36	3.27	2.57	0.43	-79.79	-259.64	-248.34	-91.08 -43.63
13	53	60	1.15	-5.25	-13.43	-13.37	-5.31	0.65	37.84	-561.70	-546.20	22.33 95.17
		21	1.28	-0.97	-11.69	-11.58	-1.08	1.07	38.36	-645.15	-563.67	-43.12
221.48												
		61	0.94	3.48	-5.76	-0.84	-1.43	4.61	237.43	-341.99	-249.19	144.63
212.50												
		74	0.58	-1.40	-2.72	-1.42	-2.70	-0.15	204.77	-184.83	-148.13	168.06
113.81												

13	54	60	0.53	2.66	-6.72	-2.16	-1.90	4.69	-64.77	-315.80	-315.80	-64.77	0.67
		21	0.55	-1.40	-3.43	-1.50	-3.34	0.42	45.56	-301.54	-299.11	43.13	28.93
		61	0.68	-2.13	-6.77	-2.82	-6.08	1.65	200.70	-248.88	-230.51	182.33	89.01
		74	0.45	-0.37	-3.69	-2.44	-1.63	1.61	62.15	-203.27	-172.37	31.25	85.13
13	55	60	0.52	7.50	-1.37	4.25	1.89	-4.27	120.36	-185.95	-183.26	117.66	28.58
		21	0.46	3.96	3.58	3.68	3.85	-0.17	128.84	-182.54	-177.13	123.42	40.70
		61	0.31	7.41	3.90	4.77	6.54	-1.52	8.96	-148.83	-143.99	4.12	27.21
		74	0.47	4.83	1.03	4.30	1.56	-1.32	42.54	-223.75	-223.40	42.19	-9.68
13	56	60	0.35	14.65	4.94	14.62	4.97	-0.51	109.32	-33.12	39.93	36.27	-71.20
		21	0.59	13.10	1.79	13.05	1.85	-0.77	306.09	-27.16	77.30	201.63	-154.59
		61	0.48	6.80	-1.59	2.89	2.33	-4.19	87.93	-178.01	-126.53	36.46	-105.07
		74	0.44	3.43	2.31	3.25	2.50	0.42	-73.88	-262.69	-249.05	-87.53	-48.90
13	57	60	1.14	-5.06	-13.03	-12.96	-5.14	0.79	36.01	-559.13	-542.59	19.48	97.81
		21	1.27	-1.10	-11.33	-11.22	-1.21	1.05	43.39	-641.09	-558.60	-39.10	222.84
		61	0.95	3.21	-5.75	-0.89	-1.65	4.46	243.01	-344.28	-248.58	147.31	216.89
		74	0.59	-1.39	-2.65	-1.40	-2.63	-0.14	204.78	-187.68	-147.43	164.52	119.08
13	58	60	0.54	2.24	-6.88	-2.58	-2.06	4.55	-61.90	-319.42	-319.41	-61.92	-1.97
		21	0.55	-1.72	-3.35	-1.86	-3.21	0.45	41.31	-306.38	-304.18	39.11	27.56
		61	0.67	-1.94	-6.69	-2.77	-5.86	1.80	196.39	-247.87	-231.12	179.65	84.61
		74	0.44	-0.43	-3.72	-2.46	-1.70	1.60	61.94	-200.21	-173.07	34.80	79.86
13	59	60	1.38	-1.08	-19.12	-15.43	-4.77	-7.28	219.40	-614.13	-582.29	187.56	159.76
		21	1.61	4.86	-13.84	-13.78	4.80	1.05	107.17	-771.57	-625.50	-38.91	327.14
		61	0.87	11.88	2.51	5.17	9.21	4.22	158.19	-353.09	-203.25	8.35	232.71
		74	0.73	4.91	-2.66	3.50	-1.24	-2.95	258.72	-178.48	-168.92	249.16	63.93
13	60	60	0.76	24.13	4.42	21.95	6.60	6.18	253.34	-170.44	185.69	-102.79	-155.22
		21	1.15	19.89	-2.80	19.83	-2.75	-1.12	567.22	-62.24	256.37	248.61	-314.70
		61	0.76	2.29	-9.98	-1.43	-6.26	-5.63	222.16	-229.13	-140.97	134.00	-178.92
		74	0.44	4.34	-1.90	0.11	2.32	2.92	-190.09	-266.52	-249.72	-206.89	-31.65
13	61	60	1.61	-4.55	-22.50	-20.28	-6.77	-5.90	195.93	-725.74	-688.35	158.54	181.83
		21	1.88	3.48	-18.10	-18.00	3.39	1.40	90.92	-914.67	-737.67	-86.08	382.96
		61	1.11	11.35	-0.98	3.43	6.94	5.91	231.37	-415.74	-234.14	49.77	290.75
		74	0.79	3.01	-3.73	1.73	-2.46	-2.64	306.74	-169.62	-146.75	283.87	101.83
13	62	60	0.65	20.65	1.04	17.09	4.60	7.56	143.93	-196.11	79.63	-131.81	-133.15
		21	0.88	15.64	-4.19	15.61	-4.16	-0.77	433.28	-87.64	144.20	201.44	-258.89
		61	0.63	-1.08	-10.63	-3.17	-8.54	-3.95	213.36	-209.80	-171.86	175.42	-120.89
		74	0.38	3.24	-3.78	-1.66	1.11	3.23	-171.48	-228.25	-227.55	-172.18	6.25
13	63	60	1.38	-0.95	-19.04	-15.27	-4.71	-7.35	219.89	-613.53	-581.42	187.78	160.41
		21	1.61	4.91	-13.72	-13.66	4.85	1.04	108.45	-770.93	-624.37	-38.11	327.73
		61	0.87	11.89	2.57	5.15	9.30	4.17	158.23	-353.66	-203.01	7.58	233.28
		74	0.72	4.91	-2.66	3.47	-1.22	-2.97	257.63	-178.70	-169.23	248.17	63.57
13	64	60	0.76	24.22	4.53	22.10	6.65	6.11	253.63	-169.65	186.56	-102.58	-154.57
		21	1.15	20.01	-2.75	19.96	-2.70	-1.13	567.60	-60.69	257.51	249.40	-314.12
		61	0.76	2.35	-9.97	-1.45	-6.17	-5.69	221.14	-228.64	-140.73	133.23	-178.36
		74	0.44	4.32	-1.89	0.09	2.35	2.90	-190.63	-267.29	-250.03	-207.88	-32.01
13	65	60	1.61	-4.67	-22.59	-20.44	-6.82	-5.83	195.43	-726.33	-689.22	158.32	181.18
		21	1.88	3.43	-18.22	-18.13	3.34	1.40	89.62	-915.30	-738.81	-86.87	382.37

		61	1.11	11.35	-1.05	3.45	6.85	5.97	231.34	-415.19	-234.39	50.54	290.18
		74	0.79	3.01	-3.73	1.76	-2.48	-2.62	307.86	-169.43	-146.44	284.87	102.20
13	66	60	0.66	20.57	0.91	16.94	4.55	7.63	143.69	-196.96	78.76	-132.03	-133.80
		21	0.88	15.51	-4.24	15.48	-4.21	-0.76	432.92	-89.21	143.06	200.65	-259.47
		61	0.64	-1.12	-10.65	-3.15	-8.63	-3.89	214.36	-210.28	-172.11	176.19	-121.46
		74	0.37	3.25	-3.79	-1.63	1.09	3.25	-170.41	-228.01	-227.24	-171.18	6.61
13	67	60	1.34	-0.73	-17.52	-14.03	-4.23	-6.82	214.26	-606.51	-570.28	178.04	168.58
		21	1.58	4.42	-12.64	-12.58	4.37	0.96	124.57	-758.67	-608.61	-25.49	331.69
		61	0.90	10.88	2.63	5.01	8.49	3.74	178.45	-362.38	-201.21	17.28	247.37
		74	0.72	4.98	-2.43	3.56	-1.02	-2.91	253.16	-182.40	-166.58	237.34	81.49
13	68	60	0.73	22.53	4.07	20.55	6.05	5.71	251.68	-171.27	173.68	-93.27	-164.03
		21	1.13	18.68	-2.36	18.63	-2.31	-1.03	556.60	-81.93	239.48	235.20	-319.26
		61	0.78	2.17	-8.98	-1.26	-5.54	-5.15	226.48	-244.43	-143.02	125.07	-193.58
		74	0.45	4.13	-1.98	0.05	2.10	2.88	-166.69	-280.43	-252.06	-195.06	-49.22
13	69	60	1.57	-4.21	-20.90	-18.89	-6.22	-5.44	190.93	-718.25	-676.34	149.02	190.65
		21	1.85	3.04	-16.89	-16.81	2.95	1.31	108.43	-901.87	-720.78	-72.66	387.51
		61	1.14	10.37	-0.88	3.27	6.22	5.43	251.55	-424.94	-232.10	58.70	305.40
		74	0.79	3.07	-3.51	1.79	-2.23	-2.60	303.85	-176.21	-144.41	272.05	119.40
13	70	60	0.66	19.05	0.70	15.69	4.06	7.10	143.46	-198.13	67.62	-122.29	-141.97
		21	0.87	14.44	-3.76	14.41	-3.73	-0.69	422.85	-107.51	127.31	188.03	-263.44
		61	0.65	-1.20	-9.63	-3.01	-7.82	-3.46	213.87	-221.28	-173.91	166.49	-135.54
		74	0.36	3.03	-3.86	-1.72	0.89	3.19	-158.56	-231.68	-229.89	-160.36	-11.31
13	71	60	1.34	-0.60	-17.45	-13.88	-4.17	-6.89	214.78	-605.93	-569.41	178.26	169.23
		21	1.58	4.47	-12.51	-12.46	4.42	0.95	125.86	-758.03	-607.47	-24.70	332.28
		61	0.90	10.89	2.69	4.99	8.58	3.69	178.50	-362.95	-200.96	16.51	247.93
		74	0.72	4.98	-2.44	3.54	-1.00	-2.93	252.06	-182.60	-166.89	236.35	81.13
13	72	60	0.73	22.63	4.18	20.70	6.11	5.65	251.93	-170.43	174.55	-93.06	-163.38
		21	1.13	18.81	-2.31	18.76	-2.26	-1.04	556.98	-80.38	240.61	235.99	-318.67
		61	0.78	2.24	-8.97	-1.29	-5.45	-5.20	225.47	-243.94	-142.77	124.30	-193.01
		74	0.45	4.12	-1.97	0.02	2.12	2.86	-167.20	-281.23	-252.37	-196.06	-49.58
13	73	60	1.57	-4.32	-21.00	-19.04	-6.28	-5.37	190.41	-718.82	-677.21	148.80	190.00
		21	1.85	2.99	-17.02	-16.93	2.90	1.32	107.13	-902.50	-721.92	-73.46	386.92
		61	1.14	10.37	-0.95	3.29	6.13	5.48	251.52	-424.39	-232.34	59.47	304.83
		74	0.79	3.07	-3.51	1.82	-2.26	-2.58	304.98	-176.04	-144.10	273.04	119.76
13	74	60	0.66	18.97	0.57	15.54	4.00	7.17	143.27	-199.04	66.75	-122.51	-142.62
		21	0.87	14.31	-3.81	14.29	-3.78	-0.68	422.49	-109.08	126.17	187.23	-264.02
		61	0.65	-1.24	-9.65	-2.98	-7.91	-3.41	214.88	-221.77	-174.15	167.26	-136.11
		74	0.36	3.04	-3.87	-1.69	0.86	3.21	-157.69	-231.25	-229.58	-159.36	-10.95
13	75	60	0.50	5.61	-1.46	2.89	1.25	-3.44	105.54	-201.86	-200.30	103.97	21.88
		21	0.46	3.22	2.55	2.56	3.21	-0.07	115.01	-199.70	-195.37	110.68	36.67
		61	0.32	5.94	3.69	4.23	5.40	-0.97	23.13	-156.75	-152.70	19.08	26.68

		74	0.46	4.13	0.81	3.79	1.16	-1.02	47.29	-218.93	-218.81	47.18	-5.48
13	76	60	0.27	12.16	4.07	12.16	4.07	-0.10	71.04	-48.94	-9.89	31.98	-56.22
		21	0.50	10.94	1.30	10.90	1.34	-0.61	248.54	-43.30	23.27	181.97	-
122.46													
		61	0.41	5.53	-1.37	2.59	1.56	-3.41	76.79	-163.78	-137.23	50.24	-75.38
		74	0.41	3.12	1.87	2.95	2.04	0.44	-61.09	-243.66	-238.87	-65.89	-29.21
13	77	60	1.01	-4.22	-10.52	-10.50	-4.24	0.38	36.72	-505.73	-492.77	23.76	82.83
		21	1.13	-0.61	-9.16	-9.07	-0.70	0.89	46.56	-570.57	-504.57	-19.43	
190.72													
		61	0.84	2.96	-4.43	-0.59	-0.88	3.69	211.52	-315.87	-237.88	133.53	
187.21													
		74	0.54	-1.08	-2.20	-1.10	-2.18	-0.16	172.78	-187.51	-157.61	142.88	99.39
13	78	60	0.50	2.39	-5.04	-1.23	-1.42	3.72	-48.14	-302.45	-302.36	-48.23	4.73
		21	0.55	-0.67	-2.64	-0.73	-2.57	0.35	54.78	-288.86	-285.93	51.85	31.58
		61	0.63	-1.71	-5.24	-2.22	-4.72	1.24	182.59	-240.32	-222.42	164.69	85.14
		74	0.43	-0.28	-2.95	-1.94	-1.29	1.30	54.47	-202.32	-177.66	29.81	75.66
13	79	60	0.50	5.76	-1.13	3.24	1.39	-3.32	103.54	-199.24	-197.32	101.62	24.06
		21	0.47	3.14	2.83	2.86	3.11	-0.09	118.62	-195.79	-191.18	114.01	37.80
		61	0.32	5.91	3.50	4.19	5.22	-1.09	26.43	-157.34	-152.19	21.29	30.32
		74	0.46	4.15	0.87	3.80	1.22	-1.01	44.25	-218.24	-218.23	44.25	-1.13
13	80	60	0.27	11.82	3.93	11.81	3.94	-0.21	73.73	-52.25	-12.87	34.34	-58.40
		21	0.50	10.64	1.41	10.60	1.45	-0.59	245.97	-48.24	19.08	178.64	-
123.59													
		61	0.41	5.51	-1.13	2.63	1.74	-3.29	77.10	-166.80	-137.74	48.03	-79.02
		74	0.41	3.10	1.82	2.93	1.99	0.43	-56.79	-245.61	-239.45	-62.96	-33.56
13	81	60	1.00	-4.07	-10.19	-10.15	-4.11	0.49	35.17	-503.56	-489.79	21.40	85.01
		21	1.12	-0.72	-8.87	-8.77	-0.81	0.86	50.68	-567.17	-500.39	-16.11	
191.84													
		61	0.85	2.73	-4.42	-0.63	-1.06	3.57	216.06	-317.70	-237.38	135.74	
190.84													
		74	0.54	-1.06	-2.14	-1.09	-2.12	-0.15	172.59	-189.68	-157.03	139.94	
103.74													
13	82	60	0.50	2.03	-5.17	-1.57	-1.56	3.60	-45.84	-305.37	-305.34	-45.87	2.55
		21	0.54	-0.94	-2.56	-1.03	-2.47	0.37	51.24	-292.84	-290.12	48.53	30.46
		61	0.62	-1.56	-5.17	-2.18	-4.54	1.36	179.01	-239.45	-222.92	162.49	81.51
		74	0.42	-0.33	-2.98	-1.96	-1.35	1.29	54.58	-200.08	-178.24	32.74	71.31
13	83	60	0.51	6.11	-1.39	3.31	1.41	-3.63	106.40	-199.73	-197.89	104.56	23.66
		21	0.46	3.37	2.89	2.91	3.35	-0.09	117.61	-196.97	-192.24	112.88	38.29
		61	0.32	6.24	3.57	4.17	5.65	-1.11	21.54	-156.62	-152.02	16.95	28.23
		74	0.46	4.11	0.82	3.71	1.23	-1.08	44.60	-219.85	-219.69	44.44	-6.48
13	84	60	0.26	12.59	4.22	12.58	4.23	-0.29	70.55	-45.46	-7.48	32.57	-54.43
		21	0.50	11.28	1.44	11.24	1.48	-0.63	249.60	-39.03	26.40	184.17	-
120.85													
		61	0.41	5.75	-1.41	2.53	1.81	-3.56	74.00	-162.45	-136.56	48.11	-73.83
		74	0.41	3.02	1.95	2.87	2.11	0.38	-63.45	-244.91	-239.74	-68.63	-30.21
13	85	60	1.02	-4.35	-10.96	-10.91	-4.40	0.57	35.55	-507.56	-495.18	23.17	81.05
		21	1.13	-0.74	-9.51	-9.42	-0.84	0.91	43.27	-572.61	-507.70	-21.63	
189.10													
		61	0.84	3.02	-4.68	-0.53	-1.13	3.84	212.14	-315.03	-238.55	135.66	
185.66													
		74	0.54	-1.01	-2.25	-1.02	-2.24	-0.10	175.91	-187.03	-156.73	145.61	
100.39													
13	86	60	0.51	2.29	-5.52	-1.64	-1.58	3.91	-48.78	-304.81	-304.77	-48.82	2.95
		21	0.54	-1.00	-2.79	-1.08	-2.71	0.37	52.29	-291.69	-289.06	49.66	29.97
		61	0.64	-1.59	-5.54	-2.16	-4.97	1.39	183.99	-240.26	-223.09	166.82	83.59
		74	0.43	-0.23	-2.99	-1.86	-1.36	1.36	57.61	-201.86	-176.78	32.54	76.66
13	87	60	0.51	6.27	-1.07	3.66	1.55	-3.51	104.44	-197.14	-194.91	102.20	25.85
		21	0.47	3.34	3.11	3.20	3.24	-0.12	121.23	-193.08	-188.05	116.20	39.41
		61	0.32	6.20	3.40	4.13	5.47	-1.23	24.91	-157.27	-151.52	19.16	31.86
		74	0.45	4.12	0.88	3.72	1.28	-1.07	41.53	-219.12	-219.11	41.51	-2.13
13	88	60	0.26	12.25	4.08	12.23	4.10	-0.40	73.24	-48.76	-10.46	34.93	-56.62
		21	0.50	10.98	1.55	10.95	1.59	-0.61	247.02	-43.97	22.21	180.84	-
121.97													
		61	0.41	5.73	-1.17	2.57	1.99	-3.44	74.30	-165.46	-137.07	45.90	-77.47
		74	0.41	2.99	1.91	2.85	2.05	0.37	-59.10	-246.91	-240.32	-65.69	-34.56
13	89	60	1.01	-4.19	-10.64	-10.57	-4.27	0.68	33.98	-505.37	-492.20	20.81	83.23
		21	1.13	-0.85	-9.21	-9.12	-0.95	0.89	47.38	-569.20	-503.52	-18.31	
190.23													
		61	0.85	2.80	-4.67	-0.57	-1.31	3.72	216.67	-316.85	-238.05	137.87	
189.29													
		74	0.54	-1.00	-2.19	-1.00	-2.19	-0.09	175.73	-189.21	-156.15	142.68	
104.74													

13	90	60	0.51	1.94	-5.65	-1.99	-1.72	3.79	-46.45	-307.75	-307.75	-46.46	0.77
		21	0.54	-1.26	-2.72	-1.38	-2.60	0.39	48.76	-295.68	-293.25	46.33	28.84
		61	0.63	-1.44	-5.47	-2.12	-4.79	1.51	180.44	-239.42	-223.60	164.62	79.96
		74	0.43	-0.28	-3.01	-1.88	-1.41	1.35	57.72	-199.61	-177.36	35.47	72.31
13	91	60	1.22	-0.89	-15.68	-12.61	-3.96	-6.00	185.30	-550.21	-524.81	159.89	
134.32													
		21	1.40	4.08	-11.29	-11.24	4.03	0.89	98.15	-674.85	-558.67	-18.03	
276.24													
		61	0.78	9.93	2.20	4.45	7.68	3.52	141.87	-319.65	-200.55	22.77	
201.94													
		74	0.66	4.17	-2.16	3.06	-1.04	-2.41	221.36	-182.78	-174.00	212.58	58.91
13	92	60	0.55	20.08	3.64	18.29	5.44	5.13	172.69	-142.88	109.89	-80.08	-
125.99													
		21	0.90	16.59	-2.26	16.55	-2.21	-0.90	450.26	-60.54	170.13	219.60	-
254.20													
		61	0.64	2.01	-8.13	-1.00	-5.12	-4.63	184.07	-206.41	-149.01	126.66	-
138.28													
		74	0.39	3.65	-1.49	0.26	1.91	2.44	-159.31	-245.83	-240.83	-164.31	-20.19
13	93	60	1.40	-3.78	-18.45	-16.62	-5.61	-4.85	165.75	-642.47	-612.55	135.82	
152.61													
		21	1.63	2.93	-14.80	-14.72	2.85	1.18	84.27	-792.77	-651.44	-57.06	
322.45													
		61	0.98	9.50	-0.71	3.01	5.79	4.91	202.91	-371.91	-226.11	57.11	
250.10													
		74	0.71	2.59	-3.05	1.59	-2.04	-2.16	260.90	-175.24	-155.64	241.29	90.37
13	94	60	0.54	17.21	0.86	14.27	3.79	6.27	83.85	-165.85	22.14	-104.14	-
107.71													
		21	0.71	13.08	-3.41	13.06	-3.39	-0.61	343.25	-85.32	77.37	180.56	-
207.98													
		61	0.58	-0.77	-8.68	-2.45	-7.00	-3.24	183.67	-197.23	-174.56	161.00	-90.12
		74	0.36	2.74	-3.05	-1.21	0.91	2.69	-134.16	-223.91	-222.47	-135.60	11.28
13	95	60	1.21	-0.78	-15.61	-12.48	-3.91	-6.05	185.69	-549.71	-524.08	160.07	
134.85													
		21	1.40	4.12	-11.18	-11.13	4.07	0.88	99.20	-674.30	-557.74	-17.37	
276.72													
		61	0.78	9.94	2.25	4.44	7.75	3.47	141.86	-320.07	-200.35	22.14	
202.41													
		74	0.66	4.17	-2.16	3.03	-1.02	-2.43	220.46	-182.96	-174.26	211.76	58.61
13	96	60	0.56	20.17	3.73	18.41	5.49	5.07	172.88	-142.17	110.61	-79.90	-
125.46													
		21	0.90	16.70	-2.22	16.66	-2.17	-0.91	450.57	-59.24	171.07	220.25	-
253.71													
		61	0.64	2.06	-8.12	-1.02	-5.04	-4.68	183.22	-206.01	-148.81	126.02	-
137.81													
		74	0.39	3.64	-1.48	0.23	1.93	2.42	-159.96	-246.27	-241.10	-165.13	-20.49
13	97	60	1.40	-3.87	-18.53	-16.75	-5.66	-4.79	165.35	-642.97	-613.27	135.65	
152.07													
		21	1.63	2.89	-14.91	-14.83	2.81	1.18	83.21	-793.30	-652.38	-57.72	
321.97													
		61	0.98	9.51	-0.76	3.03	5.72	4.96	202.93	-371.49	-226.31	57.75	
249.64													
		74	0.71	2.60	-3.04	1.61	-2.06	-2.14	261.82	-175.08	-155.37	242.11	90.67
13	98	60	0.54	17.14	0.75	14.15	3.74	6.33	83.73	-166.62	21.42	-104.32	-
108.24													
		21	0.71	12.98	-3.45	12.96	-3.43	-0.60	342.96	-86.63	76.43	179.90	-
208.47													
		61	0.58	-0.80	-8.70	-2.43	-7.07	-3.19	184.48	-197.61	-174.76	161.64	-90.58
		74	0.36	2.75	-3.05	-1.19	0.89	2.71	-133.27	-223.72	-222.21	-134.78	11.57
13	99	60	1.18	-0.60	-14.36	-11.45	-3.51	-5.61	180.84	-543.70	-514.88	152.02	
141.60													
		21	1.38	3.72	-10.29	-10.24	3.67	0.82	112.37	-664.03	-544.72	-6.94	
280.00													
		61	0.80	9.11	2.29	4.32	7.08	3.11	158.39	-327.12	-198.87	30.14	
214.05													
		74	0.66	4.23	-1.97	3.11	-0.86	-2.38	216.68	-185.93	-172.06	202.81	73.41
13	100	60	0.55	18.77	3.35	17.13	4.99	4.75	172.54	-144.79	99.96	-72.21	-
133.28													
		21	0.89	15.60	-1.89	15.56	-1.85	-0.83	441.63	-76.94	156.17	208.51	-
257.96													
		61	0.65	1.92	-7.30	-0.87	-4.52	-4.23	186.39	-217.78	-150.69	119.30	-
150.39													
		74	0.40	3.48	-1.56	0.20	1.72	2.40	-142.53	-254.77	-242.77	-154.54	-34.69

13	101	60	1.37	-3.49	-17.13	-15.47	-5.16	-4.47	161.42	-636.08	-602.62	127.96	159.89
		21	1.60	2.57	-13.81	-13.73	2.50	1.11	98.59	-782.05	-637.48	-45.98	326.22
		61	1.00	8.69	-0.62	2.87	5.20	4.51	219.39	-379.34	-224.42	64.48	262.21
		74	0.71	2.65	-2.86	1.64	-1.86	-2.13	258.22	-180.40	-153.70	231.52	104.87
13	102	60	0.54	15.88	0.57	13.12	3.34	5.89	85.12	-169.17	12.22	-96.28	-114.99
		21	0.71	12.09	-3.05	12.07	-3.03	-0.54	334.73	-101.84	63.41	169.48	-211.75
		61	0.58	-0.86	-7.86	-2.31	-6.41	-2.84	182.74	-205.36	-176.25	153.63	-102.23
		74	0.35	2.57	-3.11	-1.27	0.72	2.66	-125.72	-224.51	-224.41	-125.83	-3.23
13	103	60	1.18	-0.49	-14.29	-11.33	-3.46	-5.67	181.25	-543.21	-514.16	152.20	142.14
		21	1.38	3.76	-10.19	-10.14	3.71	0.81	113.42	-663.48	-543.78	-6.29	280.49
		61	0.80	9.11	2.34	4.30	7.16	3.07	158.38	-327.55	-198.67	29.50	214.52
		74	0.66	4.22	-1.98	3.09	-0.84	-2.40	215.77	-186.10	-172.33	201.99	73.11
13	104	60	0.55	18.85	3.44	17.26	5.03	4.69	172.69	-144.04	100.68	-72.04	-132.74
		21	0.89	15.70	-1.85	15.66	-1.81	-0.84	441.93	-75.65	157.11	209.17	-257.48
		61	0.65	1.97	-7.30	-0.89	-4.45	-4.28	185.54	-217.38	-150.49	118.66	-149.92
		74	0.40	3.47	-1.55	0.18	1.74	2.39	-143.11	-255.28	-243.03	-155.36	-34.99
13	105	60	1.37	-3.58	-17.21	-15.59	-5.20	-4.41	161.01	-636.57	-603.34	127.78	159.36
		21	1.60	2.53	-13.91	-13.84	2.45	1.11	97.53	-782.58	-638.42	-46.64	325.73
		61	1.00	8.70	-0.68	2.89	5.12	4.56	219.41	-378.92	-224.62	65.11	261.75
		74	0.71	2.65	-2.86	1.67	-1.88	-2.11	259.15	-180.25	-153.44	232.34	105.17
13	106	60	0.55	15.82	0.47	12.99	3.29	5.95	85.04	-169.99	11.50	-96.45	-115.53
		21	0.71	11.99	-3.09	11.97	-3.07	-0.54	334.44	-103.14	62.47	168.82	-212.23
		61	0.58	-0.90	-7.88	-2.30	-6.48	-2.79	183.56	-205.74	-176.45	154.27	-102.69
		74	0.35	2.58	-3.12	-1.24	0.70	2.68	-124.92	-224.23	-224.14	-125.01	-2.93
14	1	74	0.26	0.31	-0.09	0.26	-0.04	-0.14	46.68	-123.34	-119.61	42.94	24.92
		61	0.25	0.26	-0.25	0.22	-0.21	-0.14	40.42	-120.13	-120.11	40.40	-1.43
		23	0.36	1.62	0.05	1.61	0.06	-0.14	26.99	-187.34	-187.31	26.96	-2.47
		62	0.37	1.66	0.23	1.64	0.24	-0.14	32.11	-189.41	-186.80	29.50	23.88
14	2	74	0.89	2.17	0.19	2.17	0.19	0.07	203.77	-382.83	-364.95	185.88	100.86
		61	0.77	2.17	0.16	2.16	0.16	0.07	86.41	-389.59	-385.63	82.45	-43.21
		23	1.34	3.19	0.37	3.19	0.37	0.07	18.43	-762.49	-753.03	8.97	-85.41
		62	1.38	3.19	0.39	3.19	0.39	0.07	116.46	-736.40	-732.34	112.40	58.66
14	3	74	0.19	0.21	-0.08	0.16	-0.03	-0.11	32.95	-89.99	-87.37	30.33	17.73
		61	0.18	0.17	-0.21	0.13	-0.17	-0.11	30.29	-87.38	-87.38	30.29	-0.31
		23	0.26	1.22	0.03	1.21	0.04	-0.11	21.08	-133.41	-133.41	21.08	-0.33
		62	0.27	1.25	0.17	1.23	0.18	-0.11	23.13	-135.40	-133.40	21.13	17.71
14	4	74	0.82	2.08	0.19	2.07	0.19	0.10	190.06	-349.50	-332.71	173.27	93.68
		61	0.70	2.08	0.20	2.08	0.21	0.10	76.46	-357.03	-352.90	72.33	-42.10
		23	1.24	2.79	0.34	2.79	0.35	0.10	12.83	-708.87	-699.13	3.09	-83.28
		62	1.28	2.79	0.33	2.78	0.33	0.10	107.53	-682.44	-678.94	104.03	52.50
14	5	74	0.19	0.23	-0.08	0.18	-0.03	-0.11	34.62	-92.75	-89.99	31.86	18.54
		61	0.19	0.19	-0.20	0.16	-0.17	-0.11	30.74	-90.22	-90.22	30.73	-0.76
		23	0.27	1.23	0.04	1.22	0.05	-0.11	20.90	-139.45	-139.44	20.89	-1.22
		62	0.28	1.26	0.17	1.25	0.18	-0.11	24.02	-141.22	-139.22	22.01	18.09
14	6	74	0.61	1.46	0.12	1.46	0.12	0.03	139.33	-265.73	-253.55	127.15	69.17
		61	0.53	1.45	0.08	1.45	0.08	0.03	61.26	-269.72	-267.23	58.77	-28.61
		23	0.92	2.28	0.25	2.28	0.25	0.03	14.90	-522.60	-516.59	8.89	-56.52
		62	0.95	2.28	0.28	2.28	0.29	0.03	80.20	-505.83	-502.91	77.28	41.27
14	7	74	0.19	0.23	-0.08	0.18	-0.03	-0.11	34.62	-92.75	-89.99	31.86	18.54
		61	0.19	0.19	-0.20	0.16	-0.17	-0.11	30.74	-90.22	-90.22	30.73	-0.76
		23	0.27	1.23	0.04	1.22	0.05	-0.11	20.90	-139.45	-139.44	20.89	-1.22

		62	0.28	1.26	0.17	1.25	0.18	-0.11	24.02	-141.22	-139.22	22.01	18.09
14	8	74	0.49	1.08	0.07	1.07	0.07	-0.01	107.89	-213.81	-204.48	98.56	53.99
		61	0.43	1.06	8.52e-03	1.06	8.65e-03	-0.01	51.90	-215.67	-214.12	50.36	-20.26
		23	0.72	1.96	0.19	1.96	0.19	-0.01	16.29	-407.24	-403.44	12.49	-39.93
		62	0.75	1.97	0.25	1.97	0.25	-0.01	63.28	-396.38	-393.80	60.70	34.32
14	9	74	0.19	0.23	-0.08	0.18	-0.03	-0.11	34.62	-92.75	-89.99	31.86	18.54
		61	0.19	0.19	-0.20	0.16	-0.17	-0.11	30.74	-90.22	-90.22	30.73	-0.76
		23	0.27	1.23	0.04	1.22	0.05	-0.11	20.90	-139.45	-139.44	20.89	-1.22
		62	0.28	1.26	0.17	1.25	0.18	-0.11	24.02	-141.22	-139.22	22.01	18.09
14	10	74	0.45	0.95	0.06	0.95	0.06	-0.03	97.42	-196.51	-188.13	89.03	48.92
		61	0.39	0.93	-0.02	0.93	-0.02	-0.03	48.80	-197.67	-196.42	47.55	-17.47
		23	0.66	1.86	0.17	1.86	0.17	-0.03	16.79	-368.82	-365.73	13.69	-34.40
		62	0.68	1.87	0.24	1.87	0.24	-0.03	57.64	-359.90	-357.43	55.17	32.00
14	11	74	0.53	11.28	-4.61	5.34	1.32	-7.69	-21.74	-272.56	-250.04	-44.26	-71.70
		61	1.34	8.44	-1.23	5.15	2.06	4.58	273.34	-558.66	-217.32	-68.00	
409.24													
		23	2.01	34.19	3.02	34.05	3.16	2.05	981.41	67.19	736.05	312.55	
405.11													
		62	1.67	38.64	3.27	35.29	6.62	-10.35	735.12	140.33	731.68	143.76	45.06
14	12	74	0.47	3.89	0.96	3.88	0.96	-0.08	34.09	-229.44	-223.97	28.61	-37.58
		61	0.90	7.34	4.04	4.19	7.20	0.67	14.02	-511.56	-247.83	-249.71	
262.79													
		23	0.71	4.53	2.13	4.52	2.13	0.13	380.57	-31.41	289.14	60.02	
171.20													
		62	0.55	4.92	0.79	4.78	0.93	-0.74	333.18	161.48	326.71	167.95	-32.70
14	13	74	0.60	-0.84	-1.99	-1.99	-0.84	0.03	201.32	-204.15	-152.29	149.46	
135.43													
		61	1.17	-2.22	-7.33	-2.32	-7.23	-0.73	485.43	-285.62	-145.02	344.82	-
297.73													
		23	1.81	-0.78	-1.83	-0.81	-1.80	-0.19	22.57	-1075.81	-1020.60	-32.64	-
239.99													
		62	1.73	0.01	-1.50	-1.04	-0.44	0.69	-48.19	-1050.99	-1041.58	-57.60	96.69
14	14	74	0.89	5.39	-10.04	-3.45	-1.20	7.64	291.19	-195.08	-126.22	222.33	
169.55													
		61	1.50	1.98	-7.36	-3.28	-2.09	-4.63	469.16	-481.57	-175.52	163.11	-
444.19													
		23	3.08	-2.66	-30.50	-30.34	-2.82	-2.10	-118.67	-1634.01	-1467.51	-285.17	-
473.90													
		62	2.88	-2.48	-35.20	-31.55	-6.13	10.30	-33.16	-1446.80	-1446.55	-33.42	18.93
14	15	74	0.51	11.06	-4.40	5.35	1.31	-7.47	-22.65	-269.59	-248.91	-43.33	-68.41
		61	1.38	8.40	-0.91	5.17	2.32	4.43	283.55	-577.87	-217.60	-76.71	
424.91													
		23	2.04	33.29	3.12	33.15	3.25	2.00	1002.45	57.02	753.81	305.66	
416.23													
		62	1.69	37.57	3.22	34.34	6.45	-10.02	755.80	136.74	751.84	140.70	49.38
14	16	74	0.47	3.91	0.93	3.88	0.97	-0.31	34.14	-231.54	-225.10	27.69	-40.88
		61	0.85	7.16	3.94	4.16	6.93	0.82	2.87	-491.42	-247.55	-241.00	
247.12													
		23	0.67	5.43	2.04	5.42	2.04	0.18	359.08	-20.78	271.38	66.92	
160.07													
		62	0.54	5.97	0.87	5.74	1.10	-1.07	316.00	161.56	306.55	171.01	-37.02
14	17	74	0.61	-0.79	-2.04	-1.99	-0.85	0.25	204.49	-205.27	-151.16	150.38	
138.72													
		61	1.12	-2.14	-7.12	-2.30	-6.97	-0.88	466.22	-275.40	-145.30	336.11	-
282.07													
		23	1.78	-1.48	-1.94	-1.71	-1.71	-0.23	12.07	-1054.45	-1002.84	-39.53	-
228.86													
		62	1.71	-0.07	-2.53	-1.99	-0.61	1.02	-50.16	-1031.92	-1021.42	-60.67	
101.01													
14	18	74	0.88	5.18	-9.82	-3.45	-1.19	7.41	287.96	-193.90	-127.35	221.40	
166.25													
		61	1.55	1.68	-7.34	-3.31	-2.36	-4.48	489.79	-493.22	-175.24	171.82	-
459.85													
		23	3.11	-2.75	-29.60	-29.44	-2.91	-2.05	-107.52	-1656.02	-1485.27	-278.27	-
485.02													
		62	2.90	-2.43	-34.13	-30.60	-5.96	9.97	-30.20	-1466.86	-1466.71	-30.35	14.61
14	19	74	0.55	11.58	-5.07	5.22	1.29	-8.09	-21.69	-275.86	-250.94	-46.62	-75.59
		61	1.37	8.69	-1.26	5.02	2.41	4.80	276.72	-572.51	-221.03	-74.76	
418.27													
		23	2.05	35.61	3.03	35.48	3.17	2.10	994.65	66.13	745.84	314.93	
411.24													
		62	1.71	40.35	3.32	36.80	6.87	-10.90	746.08	141.84	742.34	145.58	47.43

14	20	74	0.46	3.84	0.85	3.76	0.93	-0.49	32.92	-231.54	-224.87	26.25-41.47
		61	0.92	7.77	3.84	4.06	7.55	0.89	17.82	-525.83	-251.53	-256.47
271.81												
		23	0.75	5.95	2.13	5.94	2.14	0.19	393.81	-32.48	298.92	62.40
177.33												
		62	0.59	6.60	0.87	6.29	1.18	-1.30	342.68	164.45	337.36	169.77-30.33
14	21	74	0.61	-0.65	-2.02	-1.86	-0.81	0.44	206.11	-205.68	-151.39	151.82
139.32												
		61	1.19	-2.03	-7.75	-2.19	-7.58	-0.94	498.62	-288.36	-141.31	351.58 -
306.76												
		23	1.86	-1.70	-2.34	-2.23	-1.81	-0.24	22.51	-1087.92	-1030.38	-35.02 -
246.12												
		62	1.77	-0.07	-3.17	-2.54	-0.69	1.25	-50.54	-1061.11	-1052.23	-59.42 94.32
14	22	74	0.91	5.87	-10.36	-3.32	-1.17	8.04	296.07	-196.70	-125.32	224.69
173.43												
		61	1.53	2.06	-7.66	-3.15	-2.45	-4.85	483.37	-485.32	-171.82	169.87 -
453.21												
		23	3.12	-2.67	-31.92	-31.76	-2.83	-2.15	-118.03	-1646.82	-1477.30	-287.55 -
480.03												
		62	2.92	-2.52	-36.91	-33.06	-6.38	10.85	-35.04	-1457.40	-1457.21	-35.23 16.57
14	23	74	0.53	11.36	-4.86	5.22	1.28	-7.87	-22.68	-272.82	-249.81	-45.70-72.30
		61	1.41	8.66	-0.94	5.04	2.68	4.65	286.98	-591.76	-221.31	-83.47
433.93												
		23	2.08	34.71	3.12	34.57	3.26	2.05	1015.69	55.95	763.60	308.04
422.36												
		62	1.73	39.28	3.26	35.84	6.70	-10.58	766.78	138.23	762.49	142.52 51.75
14	24	74	0.47	3.92	0.77	3.75	0.94	-0.71	33.07	-233.73	-226.00	25.33-44.76
		61	0.87	7.59	3.73	4.03	7.29	1.04	6.65	-505.66	-251.25	-247.76
256.15												
		23	0.72	6.85	2.04	6.84	2.05	0.23	372.32	-21.86	281.16	69.30
166.20												
		62	0.58	7.66	0.93	7.24	1.35	-1.62	325.09	164.95	317.21	172.83-34.65
14	25	74	0.62	-0.50	-2.18	-1.86	-0.82	0.66	209.30	-206.82	-150.26	152.74
142.61												
		61	1.15	-1.95	-7.54	-2.17	-7.32	-1.09	479.33	-278.06	-141.59	342.87 -
291.09												
		23	1.83	-1.66	-3.19	-3.13	-1.72	-0.28	11.98	-1066.52	-1012.62	-41.92 -
234.99												
		62	1.75	-0.13	-4.23	-3.50	-0.86	1.57	-52.55	-1042.01	-1032.07	-62.49 98.65
14	26	74	0.90	5.65	-10.14	-3.32	-1.17	7.82	292.81	-195.49	-126.45	223.77
170.14												
		61	1.58	1.76	-7.65	-3.18	-2.71	-4.70	504.01	-496.97	-171.54	178.58 -
468.88												
		23	3.15	-2.76	-31.02	-30.86	-2.92	-2.10	-106.88	-1668.84	-1495.06	-280.65 -
491.16												
		62	2.94	-2.47	-35.84	-32.10	-6.21	10.53	-32.07	-1477.47	-1477.36	-32.17 12.25
14	27	74	0.59	16.70	-11.23	4.48	0.99	-13.86	-53.57	-254.14	-246.24	-61.47-39.01
		61	1.27	7.31	-10.84	3.65	-7.19	7.28	466.22	-334.16	-156.42	288.48
332.66												
		23	2.24	56.53	2.39	56.31	2.62	3.50	1023.41	105.57	642.63	486.35
452.22												
		62	1.83	64.05	4.90	58.17	10.78	-17.69	624.37	4.21	583.51	45.06
153.85												
14	28	74	0.74	11.18	-11.79	-0.39	-0.22	11.49	197.09	-175.00	-159.34	181.43 74.72
		61	0.73	12.64	-2.25	0.46	9.94	-5.74	-129.37	-445.97	-258.12	-317.22 -
155.52												
		23	2.15	-0.60	-42.34	-42.14	-0.80	-2.88	-191.76	-1010.74	-847.09	-355.41 -
327.48												
		62	2.04	-3.10	-48.61	-43.53	-8.17	14.32	137.96	-778.67	-766.40	125.69 -
105.34												
14	29	74	0.56	12.89	-10.27	2.28	0.34	-11.54	-0.88	-219.39	-216.91	-3.36 23.13
		61	1.02	3.77	-12.33	1.41	-9.97	5.69	437.72	-160.13	-134.73	412.32
120.57												
		23	1.23	46.03	0.95	45.85	1.13	2.83	540.36	-41.93	115.63	382.80
258.69												
		62	1.10	52.04	3.90	47.27	8.66	-14.38	190.70	-154.51	51.53	-15.35
169.34												
14	30	74	0.97	12.10	-15.56	-2.59	-0.87	13.80	284.70	-175.18	-130.02	239.54
136.85												
		61	1.32	11.27	-5.90	-1.79	7.15	-7.33	153.34	-583.14	-236.42	-193.37 -
367.61												
		23	3.27	-2.03	-52.85	-52.60	-2.28	-3.55	-223.12	-1609.93	-1374.09	-458.97 -

521.01													
		62	3.05	-4.11	-60.61	-54.43	-10.29	17.64	71.18	-1304.27	-1298.38	65.28	-89.85
14	31	74	0.60	16.80	-11.37	4.44	0.98	-13.98	-53.80	-254.89	-246.51	-62.18	-40.18
		61	1.28	7.35	-10.82	3.61	-7.08	7.35	466.65	-337.73	-157.53	286.45	
335.37													
		23	2.25	56.96	2.40	56.73	2.62	3.51	1027.24	105.40	645.56	487.07	
454.06													
		62	1.84	64.56	4.92	58.63	10.85	-17.85	627.74	4.57	586.71	45.61	
154.56													
14	32	74	0.73	11.04	-11.69	-0.43	-0.23	11.37	195.93	-174.83	-159.61	180.72	73.55
		61	0.72	12.67	-2.21	0.42	10.05	-5.68	-133.51	-444.96	-259.23	-319.24	-
152.81													
		23	2.14	-0.59	-41.91	-41.71	-0.79	-2.86	-192.08	-1006.78	-844.16	-354.70	-
325.64													
		62	2.03	-3.08	-48.09	-43.08	-8.10	14.16	138.38	-775.35	-763.21	126.24	-
104.63													
14	33	74	0.56	12.80	-10.13	2.32	0.35	-11.42	0.07	-219.37	-216.64	-2.65	24.30
		61	1.02	3.74	-12.37	1.45	-10.08	5.62	438.63	-157.90	-133.62	414.35	
117.86													
		23	1.22	45.60	0.95	45.42	1.13	2.81	537.41	-42.63	112.70	382.08	
256.85													
		62	1.10	51.53	3.88	46.82	8.58	-14.21	187.88	-155.44	48.34	-15.89	
168.63													
14	34	74	0.98	12.25	-15.66	-2.55	-0.86	13.93	286.06	-175.56	-129.74	240.25	
138.02													
		61	1.33	11.26	-5.96	-1.75	7.05	-7.40	157.64	-584.30	-235.31	-191.34	-
370.32													
		23	3.29	-2.04	-53.27	-53.02	-2.29	-3.56	-222.83	-1613.88	-1377.02	-459.68	-
522.85													
		62	3.06	-4.12	-61.13	-54.88	-10.36	17.80	70.71	-1307.55	-1301.58	64.74	-90.56
14	35	74	0.55	15.96	-10.51	4.49	0.96	-13.12	-54.23	-246.65	-242.47	-58.40	-28.03
		61	1.39	7.15	-9.72	3.73	-6.31	6.78	488.72	-386.64	-157.36	259.44	
384.88													
		23	2.34	53.52	2.70	53.30	2.92	3.34	1086.22	78.97	701.83	463.37	
489.30													
		62	1.90	60.48	4.73	55.00	10.21	-16.60	693.67	-8.11	650.70	34.86	
168.25													
14	36	74	0.70	10.46	-11.04	-0.39	-0.20	10.75	189.87	-174.62	-163.11	178.36	63.74
		61	0.84	11.52	-2.09	0.37	9.06	-5.24	-64.37	-480.99	-257.18	-288.18	-
207.74													
		23	2.25	-0.90	-39.33	-39.13	-1.09	-2.72	-155.42	-1083.30	-906.29	-332.43	-
364.57													
		62	2.11	-2.92	-45.04	-40.36	-7.60	13.24	150.47	-848.16	-833.59	135.90	-
119.74													
14	37	74	0.57	12.15	-9.54	2.29	0.32	-10.80	5.04	-218.48	-213.15	-0.29	34.11
		61	1.00	3.61	-11.21	1.49	-9.09	5.19	435.56	-187.94	-135.67	383.29	
172.79													
		23	1.28	43.01	1.26	42.84	1.43	2.67	577.22	-42.58	174.83	359.81	
295.78													
		62	1.03	48.47	3.72	44.10	8.09	-13.29	243.98	-150.81	118.73	-25.55	
183.74													
14	38	74	0.93	11.38	-14.81	-2.59	-0.84	13.07	275.21	-172.52	-133.78	236.47	
125.88													
		61	1.46	10.16	-5.75	-1.87	6.27	-6.83	221.42	-621.24	-235.49	-164.34	-
419.83													
		23	3.37	-2.34	-49.83	-49.59	-2.58	-3.39	-186.22	-1683.05	-1433.29	-435.98	-
558.10													
		62	3.12	-3.93	-57.05	-51.26	-9.72	16.55	82.99	-1373.07	-1365.57	75.49	-
104.25													
14	39	74	0.55	16.05	-10.65	4.45	0.95	-13.24	-54.58	-247.27	-242.74	-59.11	-29.20
		61	1.40	7.19	-9.70	3.69	-6.20	6.85	489.32	-390.38	-158.47	257.42	
387.59													
		23	2.36	53.95	2.70	53.73	2.92	3.36	1090.09	78.75	704.76	464.08	
491.14													
		62	1.91	60.99	4.74	55.45	10.28	-16.77	697.05	-7.74	653.90	35.40	
168.96													
14	40	74	0.70	10.31	-10.95	-0.43	-0.20	10.63	188.77	-174.50	-163.38	177.65	62.57
		61	0.84	11.55	-2.05	0.34	9.17	-5.18	-68.60	-479.90	-258.29	-290.21	-
205.03													
		23	2.23	-0.90	-38.90	-38.71	-1.09	-2.71	-155.72	-1079.34	-903.35	-331.71	-
362.73													
		62	2.10	-2.91	-44.52	-39.91	-7.53	13.07	150.89	-844.84	-830.40	136.45	-

119.03													
14	41	74	0.57	12.05	-9.40	2.33	0.32	-10.68	6.10	-218.56	-212.88	0.42	35.27
		61	1.01	3.58	-11.25	1.53	-9.20	5.12	436.02	-185.26	-134.56	385.32	
170.08													
		23	1.27	42.59	1.26	42.42	1.43	2.66	573.97	-42.99	171.89	359.10	
293.94													
		62	1.02	47.96	3.70	43.65	8.02	-13.12	240.96	-151.54	115.53	-26.10	
183.03													
14	42	74	0.94	11.52	-14.91	-2.55	-0.84	13.19	276.54	-172.87	-133.51	237.18	
127.04													
		61	1.47	10.14	-5.80	-1.83	6.17	-6.90	225.73	-622.41	-234.37	-162.31	-
422.54													
		23	3.39	-2.34	-50.26	-50.02	-2.58	-3.41	-185.93	-1686.99	-1436.22	-436.70	-
559.94													
		62	3.13	-3.94	-57.56	-51.71	-9.80	16.72	82.54	-1376.36	-1368.77	74.95	-
104.96													
14	43	74	0.45	8.99	-3.54	4.40	1.05	-6.04	-6.67	-244.80	-235.68	-15.79	-45.70
		61	1.06	6.75	-0.90	4.24	1.61	3.59	203.77	-459.00	-211.72	-43.51	
320.53													
		23	1.48	27.21	2.43	27.11	2.53	1.60	715.14	38.28	504.88	248.54	
313.22													
		62	1.19	30.68	2.64	28.08	5.24	-8.13	508.21	120.69	503.45	125.45	42.69
14	44	74	0.45	3.25	0.77	3.25	0.77	-0.03	43.27	-216.90	-215.50	41.87	-19.05
		61	0.72	5.78	3.39	3.50	5.66	0.50	-5.51	-417.52	-235.56	-187.47	
204.60													
		23	0.46	3.76	1.72	3.75	1.72	0.09	238.01	-37.90	151.63	48.48	
127.95													
		62	0.34	4.05	0.66	3.96	0.75	-0.54	191.10	136.85	183.51	144.45	-18.83
14	45	74	0.55	-0.65	-1.35	-1.35	-0.65	-0.02	176.70	-201.25	-160.75	136.20	
116.89													
		61	0.98	-1.56	-5.77	-1.64	-5.70	-0.56	387.84	-262.55	-157.29	282.58	-
239.54													
		23	1.57	-0.03	-1.40	-0.04	-1.39	-0.14	21.69	-925.87	-883.09	-21.10	-
196.75													
		62	1.49	0.26	-0.73	-0.22	-0.26	0.49	-26.24	-906.24	-898.37	-34.10	82.82
14	46	74	0.77	4.32	-7.75	-2.50	-0.93	5.99	247.02	-193.73	-140.57	193.86	
143.55													
		61	1.23	1.65	-5.67	-2.38	-1.65	-3.64	368.52	-411.03	-181.13	138.62	-
355.48													
		23	2.55	-2.07	-23.52	-23.40	-2.20	-1.65	-93.46	-1364.03	-1236.34	-221.16	-
382.02													
		62	2.40	-1.85	-27.24	-24.34	-4.75	8.08	-14.73	-1218.69	-1218.32	-15.11	21.30
14	47	74	0.45	8.82	-3.38	4.40	1.04	-5.86	-6.92	-242.88	-234.74	-15.05	-43.05
		61	1.09	6.72	-0.64	4.26	1.82	3.48	211.42	-473.81	-211.96	-50.43	
332.96													
		23	1.51	26.50	2.50	26.40	2.60	1.56	731.38	30.67	518.99	243.06	
322.04													
		62	1.21	29.84	2.60	27.33	5.11	-7.88	524.76	117.72	519.47	123.01	46.12
14	48	74	0.45	3.26	0.76	3.25	0.78	-0.20	42.95	-218.26	-216.44	41.13	-21.70
		61	0.68	5.64	3.30	3.48	5.46	0.62	-13.82	-402.05	-235.32	-180.55	
192.17													
		23	0.44	4.47	1.65	4.46	1.65	0.12	221.99	-30.50	137.53	53.96	
119.13													
		62	0.33	4.87	0.72	4.71	0.88	-0.80	181.72	132.67	167.49	146.89	-22.26
14	49	74	0.56	-0.63	-1.39	-1.35	-0.66	0.15	179.10	-201.98	-159.81	136.94	
119.54													
		61	0.95	-1.50	-5.60	-1.62	-5.49	-0.67	372.90	-254.77	-157.53	275.66	-
227.11													
		23	1.53	-0.70	-1.37	-0.75	-1.32	-0.18	13.45	-909.01	-868.99	-26.57	-
187.92													
		62	1.48	0.12	-1.48	-0.97	-0.39	0.75	-27.84	-891.06	-882.36	-36.55	86.26
14	50	74	0.77	4.15	-7.58	-2.50	-0.92	5.81	244.54	-192.94	-141.51	193.12	
140.90													
		61	1.26	1.41	-5.66	-2.40	-1.85	-3.53	384.81	-420.16	-180.89	145.54	-
367.91													
		23	2.57	-2.14	-22.81	-22.69	-2.27	-1.62	-84.65	-1381.48	-1250.45	-215.68	-
390.84													
		62	2.42	-1.81	-26.40	-23.59	-4.62	7.82	-12.40	-1234.60	-1234.33	-12.66	17.87
14	51	74	0.45	9.21	-3.90	4.29	1.02	-6.34	-7.03	-246.53	-236.29	-17.27	-48.45
		61	1.09	6.93	-0.91	4.13	1.89	3.76	206.34	-469.51	-214.45	-48.72	
327.61													
		23	1.51	28.26	2.44	28.16	2.54	1.64	724.26	36.90	511.46	249.70	

317.78													
		62	1.22	31.95	2.67	29.20	5.42	-8.55	516.02	121.76	510.89	126.89	44.69
14	52	74	0.45	3.18	0.70	3.14	0.75	-0.34	42.22	-217.95	-216.11	40.38	-21.80
		61	0.74	6.10	3.23	3.40	5.94	0.67	-2.59	-428.39	-238.29	-192.69	
211.67													
		23	0.49	4.81	1.73	4.80	1.73	0.12	247.13	-39.28	158.21	49.64	
132.52													
		62	0.36	5.29	0.71	5.07	0.93	-0.97	196.54	140.30	190.95	145.89	-16.83
14	53	74	0.56	-0.52	-1.36	-1.24	-0.63	0.29	179.80	-202.26	-160.14	137.69	
119.65													
		61	1.00	-1.42	-6.09	-1.53	-5.97	-0.72	397.89	-264.65	-154.56	287.80	-
246.62													
		23	1.58	-1.01	-1.47	-1.09	-1.39	-0.17	22.19	-934.11	-889.67	-22.25	-
201.31													
		62	1.52	0.13	-1.90	-1.33	-0.44	0.91	-28.10	-913.26	-905.81	-35.54	80.83
14	54	74	0.79	4.69	-7.98	-2.39	-0.90	6.29	250.20	-194.82	-139.96	195.34	
146.30													
		61	1.25	1.72	-5.91	-2.27	-1.92	-3.81	379.46	-414.02	-178.40	143.83	-
362.55													
		23	2.58	-2.08	-24.57	-24.45	-2.20	-1.69	-92.42	-1372.81	-1242.92	-222.31	-
386.58													
		62	2.43	-1.87	-28.52	-25.46	-4.94	8.50	-16.24	-1226.07	-1225.76	-16.55	19.31
14	55	74	0.45	9.04	-3.73	4.29	1.02	-6.17	-7.34	-244.55	-235.35	-16.54	-45.80
		61	1.12	6.91	-0.66	4.15	2.10	3.64	214.05	-484.38	-214.69	-55.64	
340.04													
		23	1.54	27.55	2.51	27.45	2.61	1.60	740.51	29.28	525.57	244.22	
326.61													
		62	1.24	31.11	2.62	28.45	5.29	-8.30	532.58	118.78	526.91	124.45	48.12
14	56	74	0.45	3.24	0.65	3.14	0.75	-0.51	41.96	-219.36	-217.05	39.65	-24.45
		61	0.70	5.97	3.14	3.37	5.73	0.79	-10.96	-412.86	-238.05	-185.77	
199.25													
		23	0.46	5.52	1.65	5.51	1.66	0.16	231.06	-31.84	144.11	55.12	
123.69													
		62	0.36	6.12	0.77	5.82	1.06	-1.22	185.87	137.39	174.93	148.33	-20.26
14	57	74	0.57	-0.39	-1.49	-1.24	-0.63	0.46	182.23	-203.01	-159.20	138.42	
122.30													
		61	0.96	-1.35	-5.92	-1.51	-5.77	-0.84	382.88	-256.80	-154.80	280.87	-
234.19													
		23	1.56	-1.24	-1.88	-1.80	-1.32	-0.21	13.92	-917.22	-875.57	-27.73	-
192.49													
		62	1.51	0.06	-2.72	-2.08	-0.57	1.17	-29.73	-898.05	-889.80	-37.99	84.26
14	58	74	0.78	4.52	-7.81	-2.39	-0.90	6.12	247.71	-194.00	-140.90	194.61	
143.65													
		61	1.28	1.48	-5.90	-2.29	-2.13	-3.69	395.76	-423.16	-178.16	150.75	-
374.98													
		23	2.60	-2.15	-23.86	-23.74	-2.28	-1.65	-83.60	-1390.26	-1257.03	-216.83	-
395.40													
		62	2.45	-1.83	-27.68	-24.71	-4.80	8.24	-13.90	-1241.98	-1241.77	-14.10	15.87
14	59	74	0.50	13.29	-8.79	3.72	0.77	-10.94	-27.93	-234.93	-233.00	-29.85	-19.89
		61	1.02	5.89	-8.53	3.04	-5.67	5.75	365.75	-292.02	-164.86	238.58	
259.76													
		23	1.68	45.02	1.93	44.85	2.11	2.76	760.95	57.84	431.22	387.57	
350.88													
		62	1.32	50.93	3.96	46.32	8.56	-13.96	429.33	4.20	386.08	47.45	
128.51													
14	60	74	0.66	8.96	-9.21	-0.10	-0.14	9.08	176.23	-179.63	-165.73	162.33	68.95
		61	0.61	10.03	-1.61	0.59	7.83	-4.55	-116.12	-369.50	-244.32	-241.30	-
126.68													
		23	1.81	-0.43	-33.15	-32.99	-0.59	-2.29	-158.33	-867.25	-746.29	-279.30	-
266.68													
		62	1.75	-2.38	-38.14	-34.09	-6.42	11.32	118.10	-687.74	-680.40	110.76	-76.56
14	61	74	0.53	10.31	-8.04	2.00	0.26	-9.13	19.37	-214.16	-210.52	15.74	28.89
		61	0.87	3.12	-9.71	1.28	-7.87	4.50	353.18	-165.30	-148.53	336.41	91.74
		23	1.07	36.84	0.79	36.70	0.93	2.24	406.63	-85.12	14.83	306.68	
197.89													
		62	0.97	41.57	3.18	37.83	6.91	-11.38	124.14	-159.02	-34.47	-0.42	
140.55													
14	62	74	0.84	9.66	-12.15	-1.83	-0.65	10.89	243.74	-179.07	-143.25	207.92	
117.73													
		61	1.08	8.96	-4.49	-1.18	5.64	-5.80	111.99	-483.45	-227.99	-143.47	-
294.71													
		23	2.70	-1.57	-41.34	-41.14	-1.77	-2.81	-180.81	-1342.06	-1162.68	-360.19	-

419.67												
		62	2.54	-3.16	-47.49	-42.58	-8.07	13.91	66.46	-1104.51	-1100.95	62.90-64.52
14	63	74	0.50	13.36	-8.90	3.69	0.77	-11.03	-28.21	-235.28	-233.19	-30.30-20.71
		61	1.03	5.92	-8.51	3.01	-5.59	5.79	366.01	-294.67	-165.68	237.02
261.88												
		23	1.68	45.34	1.93	45.16	2.11	2.77	763.53	57.58	433.19	387.92
352.25												
		62	1.33	51.31	3.97	46.66	8.62	-14.09	431.74	4.45	388.31	47.88
129.11												
14	64	74	0.66	8.85	-9.13	-0.14	-0.15	8.99	175.48	-179.51	-165.91	161.88 68.13
		61	0.60	10.05	-1.58	0.56	7.92	-4.50	-119.43	-368.57	-245.14	-242.86 -
124.56												
		23	1.80	-0.43	-32.84	-32.68	-0.59	-2.28	-158.74	-864.52	-744.31	-278.95 -
265.31												
		62	1.74	-2.37	-37.75	-33.76	-6.37	11.20	118.44	-685.41	-678.17	111.20-75.96
14	65	74	0.53	10.24	-7.93	2.03	0.27	-9.04	20.02	-214.18	-210.34	16.19 29.72
		61	0.87	3.10	-9.74	1.31	-7.95	4.45	353.98	-163.72	-147.71	337.97 89.62
		23	1.06	36.53	0.79	36.39	0.93	2.23	404.85	-85.67	12.85	306.33
196.52												
		62	0.97	41.19	3.17	37.50	6.86	-11.25	122.32	-159.87	-36.70	-0.85
139.95												
14	66	74	0.84	9.77	-12.22	-1.80	-0.65	10.98	244.62	-179.32	-143.07	208.37
118.56												
		61	1.08	8.94	-4.53	-1.14	5.56	-5.85	115.34	-484.42	-227.17	-141.91 -
296.83												
		23	2.71	-1.57	-41.65	-41.45	-1.77	-2.82	-180.42	-1344.77	-1164.65	-360.53 -
421.04												
		62	2.55	-3.17	-47.87	-42.92	-8.13	14.04	66.09	-1106.81	-1103.18	62.47-65.12
14	67	74	0.50	12.71	-8.23	3.73	0.76	-10.36	-26.81	-230.46	-229.86	-27.41-11.05
		61	1.11	5.78	-7.64	3.12	-4.98	5.35	381.36	-331.49	-165.65	215.51
301.19												
		23	1.76	42.66	2.17	42.48	2.34	2.64	807.94	39.60	478.24	369.31
380.29												
		62	1.37	48.12	3.82	43.82	8.11	-13.11	483.55	-4.79	439.47	39.30
139.95												
14	68	74	0.63	8.39	-8.62	-0.11	-0.13	8.50	170.53	-179.52	-168.87	159.88 60.12
		61	0.70	9.15	-1.49	0.51	7.14	-4.16	-62.29	-399.47	-243.53	-218.23 -
168.11												
		23	1.89	-0.67	-30.78	-30.63	-0.83	-2.17	-129.05	-925.29	-793.30	-261.03 -
296.09												
		62	1.80	-2.24	-35.33	-31.59	-5.98	10.47	127.90	-742.77	-733.79	118.91-87.99
14	69	74	0.53	9.73	-7.48	2.00	0.25	-8.56	24.33	-213.52	-207.38	18.19 37.72
		61	0.85	3.01	-8.83	1.35	-7.17	4.11	348.93	-184.91	-149.32	313.34
133.17												
		23	1.00	34.47	1.03	34.34	1.17	2.11	429.10	-78.83	61.84	288.42
227.30												
		62	0.90	38.76	3.04	35.33	6.47	-10.53	157.79	-147.43	18.92	-8.57
151.99												
14	70	74	0.81	9.09	-11.56	-1.83	-0.64	10.31	236.45	-177.37	-146.39	205.48
108.90												
		61	1.18	8.08	-4.38	-1.25	4.95	-5.40	166.55	-514.15	-227.20	-120.40 -
336.14												
		23	2.78	-1.81	-38.97	-38.77	-2.01	-2.69	-151.37	-1400.25	-1209.70	-341.92 -
449.08												
		62	2.59	-3.02	-44.69	-40.08	-7.63	13.06	75.74	-1159.02	-1154.33	71.05-75.95
14	71	74	0.50	12.78	-8.33	3.69	0.75	-10.45	-27.16	-230.74	-230.04	-27.85-11.88
		61	1.12	5.81	-7.62	3.08	-4.90	5.40	381.76	-334.28	-166.47	213.95
303.31												
		23	1.77	42.97	2.17	42.80	2.35	2.65	810.57	39.29	480.21	369.66
381.66												
		62	1.38	48.50	3.82	44.16	8.17	-13.24	485.97	-4.54	441.70	39.73
140.55												
14	72	74	0.63	8.27	-8.55	-0.14	-0.13	8.41	169.81	-179.43	-169.05	159.43 59.29
		61	0.69	9.17	-1.46	0.48	7.22	-4.11	-65.63	-398.52	-244.35	-219.80 -
165.99												
		23	1.88	-0.67	-30.47	-30.31	-0.83	-2.16	-129.45	-922.56	-791.33	-260.69 -
294.72												
		62	1.79	-2.23	-34.95	-31.26	-5.92	10.35	128.23	-740.44	-731.56	119.34-87.39
14	73	74	0.53	9.66	-7.37	2.04	0.25	-8.46	25.03	-213.60	-207.20	18.64 38.55
		61	0.86	2.99	-8.86	1.38	-7.26	4.06	349.39	-182.99	-148.50	314.90
131.05												
		23	1.00	34.16	1.03	34.02	1.16	2.10	427.08	-79.14	59.87	288.07

225.93													
		62	0.89	38.38	3.03	35.00	6.41	-10.40	155.78	-148.09	16.69	-9.00	
151.39													
14	74	74	0.81	9.20	-11.63	-1.80	-0.63	10.40	237.31	-177.60	-146.21	205.92	
109.72													
		61	1.19	8.07	-4.42	-1.22	4.87	-5.45	169.90	-515.12	-226.38	-118.84	-
338.26													
		23	2.79	-1.81	-39.28	-39.09	-2.01	-2.70	-150.98	-1402.96	-1211.67	-342.27	-
450.45													
		62	2.60	-3.03	-45.07	-40.42	-7.68	13.19	75.37	-1161.32	-1156.57	70.61	-76.55
14	75	74	0.44	7.56	-2.87	3.81	0.88	-5.00	5.92	-231.23	-227.50	2.19	-29.53
		61	0.89	5.69	-0.69	3.67	1.33	2.97	158.68	-395.64	-209.16	-27.80	
261.91													
		23	1.14	22.85	2.04	22.77	2.12	1.32	544.77	17.95	354.44	208.27	
253.07													
		62	0.89	25.71	2.26	23.58	4.38	-6.73	361.30	106.55	354.60	113.25	40.77
14	76	74	0.44	2.86	0.65	2.86	0.65	-0.04	50.06	-211.01	-210.80	49.85	-7.46
		61	0.61	4.78	2.96	3.06	4.68	0.42	-16.75	-358.92	-228.88	-146.78	
166.09													
		23	0.32	3.47	1.45	3.47	1.45	0.07	153.10	-47.74	62.43	42.92	99.95
		62	0.22	3.71	0.60	3.64	0.67	-0.46	131.42	87.66	90.11	128.96	-10.08
14	77	74	0.53	-0.53	-0.96	-0.96	-0.53	-0.01	162.08	-199.31	-165.46	128.22	
105.31													
		61	0.86	-1.14	-4.78	-1.20	-4.71	-0.47	324.61	-246.69	-163.97	241.89	-
201.03													
		23	1.41	0.26	-1.13	0.24	-1.12	-0.12	19.47	-828.90	-793.89	-15.54	-
168.74													
		62	1.34	0.40	-0.47	0.10	-0.18	0.41	-11.69	-811.90	-804.98	-18.61	74.07
14	78	74	0.70	3.65	-6.32	-1.91	-0.76	4.95	219.89	-192.77	-148.76	175.88	
127.38													
		61	1.05	1.44	-4.62	-1.81	-1.37	-3.02	303.71	-364.48	-183.68	122.91	-
296.85													
		23	2.21	-1.68	-19.17	-19.06	-1.79	-1.37	-78.09	-1188.70	-1085.90	-180.89	-
321.86													
		62	2.10	-1.47	-22.27	-19.84	-3.90	6.68	-2.40	-1069.97	-1069.47	-2.90	23.23
14	79	74	0.44	7.42	-2.74	3.81	0.87	-4.86	6.01	-229.93	-226.72	2.79	-27.35
		61	0.91	5.67	-0.48	3.69	1.50	2.87	164.58	-407.46	-209.36	-33.52	
272.18													
		23	1.16	22.26	2.10	22.18	2.18	1.29	557.64	12.20	366.10	203.75	
260.36													
		62	0.90	25.01	2.22	22.96	4.27	-6.52	375.04	104.02	367.84	111.23	43.61
14	80	74	0.44	2.87	0.64	2.86	0.65	-0.18	49.60	-211.93	-211.58	49.24	-9.64
		61	0.58	4.67	2.88	3.04	4.51	0.51	-23.02	-346.73	-228.68	-141.07	
155.82													
		23	0.30	4.06	1.39	4.05	1.40	0.10	141.78	-43.56	50.78	47.45	92.66
		62	0.22	4.39	0.65	4.26	0.78	-0.67	133.90	73.96	76.88	130.98	-12.91
14	81	74	0.53	-0.50	-1.00	-0.96	-0.53	0.13	163.98	-199.83	-164.68	128.83	
107.49													
		61	0.83	-1.09	-4.64	-1.18	-4.54	-0.57	312.51	-240.50	-164.16	236.17	-
190.76													
		23	1.37	-0.31	-1.09	-0.34	-1.06	-0.15	12.72	-815.03	-782.24	-20.06	-
161.45													
		62	1.33	0.23	-1.04	-0.52	-0.29	0.62	-13.03	-799.34	-791.75	-20.63	76.91
14	82	74	0.70	3.51	-6.18	-1.91	-0.75	4.81	217.93	-192.19	-149.53	175.28	
125.19													
		61	1.07	1.25	-4.61	-1.83	-1.54	-2.92	317.07	-371.93	-183.49	128.63	-
307.12													
		23	2.23	-1.74	-18.58	-18.47	-1.85	-1.34	-70.84	-1203.08	-1097.56	-176.36	-
329.15													
		62	2.11	-1.43	-21.57	-19.22	-3.78	6.47	-0.50	-1083.09	-1082.70	-0.88	20.39
14	83	74	0.44	7.73	-3.16	3.71	0.86	-5.26	5.28	-232.34	-228.00	0.95	-31.80
		61	0.91	5.84	-0.69	3.58	1.56	3.11	160.59	-404.15	-211.44	-32.11	
267.76													
		23	1.17	23.72	2.04	23.64	2.13	1.35	552.25	16.91	359.92	209.24	
256.85													
		62	0.91	26.76	2.28	24.50	4.54	-7.08	367.88	107.34	360.78	114.44	42.42
14	84	74	0.44	2.80	0.59	2.76	0.63	-0.29	48.97	-211.67	-211.30	48.60	-9.73
		61	0.62	5.06	2.83	2.97	4.91	0.55	-14.59	-367.66	-231.15	-151.09	
171.94													
		23	0.34	4.34	1.46	4.34	1.46	0.10	160.32	-48.52	67.91	43.89	
103.73													
		62	0.24	4.73	0.65	4.56	0.82	-0.81	132.13	94.31	96.30	130.15	-8.43

14	85	74	0.54	-0.39	-0.99	-0.87	-0.51	0.24	164.58	-200.07	-164.95	129.47	107.58
		61	0.87	-1.02	-5.04	-1.11	-4.94	-0.60	332.76	-248.26	-161.69	246.20	-206.88
		23	1.41	-0.58	-1.17	-0.63	-1.12	-0.15	19.82	-835.70	-799.37	-16.51	-172.52
		62	1.37	0.22	-1.38	-0.82	-0.33	0.76	-13.23	-817.74	-811.16	-19.80	72.42
14	86	74	0.71	3.95	-6.51	-1.82	-0.74	5.21	222.46	-193.59	-148.25	177.12	129.65
		61	1.07	1.50	-4.81	-1.72	-1.59	-3.16	312.67	-366.86	-181.41	127.22	-302.70
		23	2.23	-1.69	-20.04	-19.93	-1.79	-1.40	-77.29	-1195.95	-1091.38	-181.85	-325.64
		62	2.12	-1.48	-23.33	-20.76	-4.05	7.03	-3.66	-1076.09	-1075.65	-4.09	21.58
14	87	74	0.44	7.59	-3.03	3.72	0.85	-5.11	5.32	-231.00	-227.23	1.55	-29.62
		61	0.93	5.82	-0.48	3.60	1.73	3.01	166.56	-416.02	-211.63	-37.83	278.03
		23	1.19	23.14	2.11	23.05	2.19	1.32	565.15	11.14	371.58	204.71	264.14
		62	0.92	26.07	2.24	23.88	4.42	-6.87	381.63	104.81	374.02	112.42	45.25
14	88	74	0.44	2.85	0.55	2.76	0.63	-0.44	48.54	-212.63	-212.08	48.00	-11.92
		61	0.59	4.95	2.74	2.95	4.74	0.65	-20.93	-355.40	-230.96	-145.38	161.67
		23	0.32	4.93	1.40	4.92	1.40	0.13	148.85	-44.18	56.25	48.42	96.44
		62	0.24	5.42	0.70	5.18	0.93	-1.02	134.63	80.60	83.06	132.17	-11.26
14	89	74	0.54	-0.27	-1.11	-0.87	-0.51	0.38	166.50	-200.61	-164.17	130.07	109.76
		61	0.85	-0.96	-4.90	-1.09	-4.77	-0.70	320.60	-242.01	-161.89	240.48	-196.61
		23	1.39	-0.94	-1.34	-1.21	-1.07	-0.18	13.06	-821.81	-787.71	-21.03	-165.23
		62	1.35	0.15	-2.04	-1.44	-0.44	0.97	-14.59	-805.16	-797.93	-21.82	75.26
14	90	74	0.71	3.81	-6.37	-1.82	-0.73	5.06	220.49	-193.00	-149.03	176.52	127.46
		61	1.09	1.31	-4.81	-1.74	-1.77	-3.06	326.04	-374.32	-181.22	132.94	-312.97
		23	2.25	-1.75	-19.45	-19.34	-1.85	-1.37	-70.03	-1210.34	-1103.04	-177.33	-332.93
		62	2.13	-1.45	-22.63	-20.14	-3.94	6.82	-1.75	-1089.21	-1088.89	-2.07	18.74
14	91	74	0.48	11.09	-7.19	3.25	0.65	-9.05	-9.00	-225.57	-225.27	-9.30	-8.08
		61	0.87	5.00	-7.01	2.68	-4.69	4.75	300.54	-265.49	-170.34	205.40	211.66
		23	1.31	37.55	1.62	37.40	1.77	2.28	592.48	23.56	293.21	322.84	284.07
		62	0.99	42.41	3.34	38.63	7.12	-11.55	305.89	0.21	257.32	48.78	111.75
14	92	74	0.61	7.49	-7.52	0.08	-0.11	7.50	162.47	-182.51	-169.60	149.56	65.48
		61	0.54	8.32	-1.20	0.65	6.47	-3.77	-103.59	-323.67	-236.06	-191.20	-107.73
		23	1.59	-0.33	-27.07	-26.94	-0.46	-1.89	-134.45	-774.03	-680.17	-228.31	-226.33
		62	1.55	-1.89	-31.21	-27.84	-5.27	9.35	105.70	-628.88	-624.31	101.13	-57.74
14	93	74	0.51	8.62	-6.57	1.82	0.23	-7.55	32.88	-211.03	-206.65	28.51	32.37
		61	0.77	2.71	-8.00	1.22	-6.51	3.71	297.96	-168.43	-156.78	286.31	72.78
		23	0.97	30.76	0.68	30.65	0.80	1.84	322.15	-117.75	-51.29	255.70	157.53
		62	0.89	34.64	2.69	31.58	5.75	-9.41	90.89	-172.24	-90.56	9.22	121.74
14	94	74	0.76	8.07	-9.95	-1.35	-0.53	9.00	217.80	-181.41	-150.99	187.37	105.93
		61	0.92	7.44	-3.60	-0.81	4.66	-4.80	86.51	-419.31	-222.50	-110.29	-246.61
		23	2.33	-1.27	-33.86	-33.69	-1.43	-2.33	-152.66	-1167.46	-1024.67	-295.46	-352.87
		62	2.21	-2.55	-38.97	-34.89	-6.63	11.50	63.77	-974.38	-972.18	61.57	-47.75
14	95	74	0.48	11.15	-7.28	3.22	0.65	-9.13	-9.32	-225.77	-225.42	-9.67	-8.76
		61	0.87	5.03	-7.00	2.65	-4.62	4.79	300.67	-267.59	-171.02	204.11	213.42
		23	1.32	37.81	1.63	37.67	1.77	2.29	594.55	23.43	294.85	323.13	285.21
		62	1.00	42.72	3.35	38.90	7.17	-11.65	307.86	0.44	259.17	49.13	112.24

14	96	74	0.61	7.39	-7.46	0.05	-0.12	7.42	161.85	-182.41	-169.75	149.19	64.79
		61	0.53	8.34	-1.18	0.62	6.54	-3.73	-106.36	-322.88	-236.75	-192.49	-
105.97													
		23	1.59	-0.32	-26.81	-26.67	-0.46	-1.89	-134.76	-771.78	-678.52	-228.02	-
225.19													
		62	1.54	-1.89	-30.90	-27.56	-5.22	9.25	105.99	-626.95	-622.45	101.49	-57.25
14	97	74	0.51	8.56	-6.48	1.84	0.23	-7.48	33.43	-211.05	-206.50	28.88	33.05
		61	0.78	2.70	-8.03	1.24	-6.57	3.67	298.69	-167.19	-156.10	287.60	71.03
		23	0.96	30.50	0.68	30.38	0.79	1.83	320.85	-118.38	-52.94	255.41	
156.40													
		62	0.89	34.33	2.69	31.31	5.71	-9.30	89.62	-173.17	-92.41	8.86	
121.25													
14	98	74	0.76	8.16	-10.01	-1.32	-0.53	9.07	218.52	-181.61	-150.84	187.74	
106.61													
		61	0.92	7.44	-3.63	-0.79	4.59	-4.84	89.28	-420.10	-221.82	-109.00	-
248.37													
		23	2.34	-1.27	-34.12	-33.95	-1.44	-2.34	-152.35	-1169.70	-1026.31	-295.75	-
354.00													
		62	2.21	-2.55	-39.29	-35.16	-6.68	11.60	63.46	-976.28	-974.04	61.21	-48.25
14	99	74	0.48	10.61	-6.73	3.25	0.64	-8.57	-7.28	-222.68	-222.68	-7.28	-0.81
		61	0.94	4.91	-6.29	2.74	-4.12	4.42	311.63	-296.28	-170.99	186.34	
245.90													
		23	1.38	35.59	1.83	35.45	1.97	2.18	628.53	11.29	332.06	307.76	
308.38													
		62	1.03	40.09	3.22	36.56	6.75	-10.85	349.24	-5.77	301.43	42.04	
121.20													
14	100	74	0.59	7.01	-7.03	0.08	-0.09	7.02	157.81	-182.46	-172.19	147.54	58.20
		61	0.61	7.59	-1.10	0.59	5.90	-3.44	-58.33	-349.22	-235.41	-172.14	-
141.96													
		23	1.66	-0.53	-25.11	-24.98	-0.66	-1.79	-110.07	-822.17	-719.02	-213.23	-
250.63													
		62	1.60	-1.78	-28.89	-25.78	-4.89	8.65	113.63	-674.20	-668.42	107.86	-67.19
14	101	74	0.51	8.14	-6.10	1.82	0.21	-7.07	37.04	-210.58	-204.06	30.53	39.64
		61	0.76	2.62	-7.28	1.28	-5.93	3.39	292.69	-182.88	-157.43	267.25	
107.02													
		23	0.90	28.80	0.88	28.69	0.99	1.74	335.61	-107.44	-12.44	240.61	
181.84													
		62	0.82	32.33	2.57	29.52	5.38	-8.70	111.47	-155.43	-46.45	2.49	
131.19													
14	102	74	0.73	7.59	-9.47	-1.35	-0.52	8.52	211.98	-180.20	-153.58	185.35	98.65
		61	1.00	6.72	-3.51	-0.88	4.09	-4.47	131.79	-444.88	-221.85	-91.24	-
280.85													
		23	2.39	-1.47	-31.90	-31.74	-1.63	-2.23	-128.27	-1215.63	-1063.52	-280.37	-
377.17													
		62	2.25	-2.43	-36.65	-32.82	-6.26	10.79	71.31	-1019.31	-1016.30	68.30	-57.20
14	103	74	0.48	10.67	-6.82	3.22	0.63	-8.65	-7.65	-222.84	-222.83	-7.66	-1.49
		61	0.94	4.93	-6.27	2.71	-4.05	4.46	311.89	-298.51	-171.67	185.05	
247.66													
		23	1.38	35.85	1.83	35.71	1.97	2.18	630.66	11.10	333.70	308.05	
309.51													
		62	1.04	40.41	3.23	36.84	6.80	-10.95	351.24	-5.55	303.28	42.40	
121.69													
14	104	74	0.59	6.92	-6.97	0.05	-0.10	6.95	157.21	-182.38	-172.34	147.17	57.52
		61	0.60	7.61	-1.08	0.56	5.97	-3.40	-61.10	-348.43	-236.09	-173.44	-
140.21													
		23	1.65	-0.52	-24.85	-24.72	-0.66	-1.79	-110.39	-819.93	-717.38	-212.94	-
249.50													
		62	1.59	-1.77	-28.58	-25.50	-4.85	8.55	113.92	-672.27	-666.57	108.22	-66.70
14	105	74	0.51	8.08	-6.01	1.85	0.22	-7.00	37.63	-210.64	-203.91	30.90	40.32
		61	0.76	2.61	-7.30	1.31	-6.00	3.35	293.17	-181.38	-156.75	268.54	
105.26													
		23	0.90	28.54	0.88	28.43	0.99	1.73	334.11	-107.87	-14.08	240.32	
180.70													
		62	0.82	32.01	2.57	29.24	5.34	-8.60	110.02	-156.19	-48.30	2.13	
130.69													
14	106	74	0.73	7.69	-9.52	-1.33	-0.51	8.60	212.68	-180.38	-153.43	185.73	99.34
		61	1.01	6.71	-3.54	-0.85	4.02	-4.51	134.56	-445.68	-221.17	-89.94	-
282.60													
		23	2.40	-1.47	-32.16	-32.00	-1.63	-2.24	-127.96	-1217.87	-1065.16	-280.66	-
378.31													
		62	2.26	-2.44	-36.97	-33.10	-6.31	10.90	71.00	-1021.21	-1018.15	67.95	-57.70
15	1	39	0.21	0.26	-0.37	-0.36	0.25	0.07	73.29	-67.92	-60.28	65.65	31.95

		75	0.18	-0.04	-0.44	-0.42	-0.05	0.07	59.29	-61.87	-61.60	59.03 -5.69
		86	0.31	0.26	0.05	0.23	0.08	0.07	40.19	-157.92	-157.56	39.83 -8.39
		85	0.32	0.42	0.25	0.29	0.38	0.07	50.59	-160.37	-156.24	46.46 29.25
15	2	39	0.63	1.35	-0.52	-0.51	1.34	0.09	229.27	-191.90	-118.97	156.33
159.37												
		75	0.43	-0.19	-0.84	-0.82	-0.20	0.09	161.76	-126.78	-119.36	154.34 45.67
		86	0.81	1.59	0.27	1.58	0.28	0.09	100.30	-413.25	-409.30	96.36 44.86
		85	0.91	1.96	1.76	1.89	1.82	0.09	143.83	-454.38	-408.90	98.34
158.56												
15	3	39	0.16	0.18	-0.28	-0.28	0.17	0.06	53.75	-50.22	-45.26	48.79 22.17
		75	0.13	-0.03	-0.33	-0.32	-0.04	0.06	43.92	-46.61	-46.29	43.61 -5.34
		86	0.23	0.18	0.03	0.15	0.06	0.06	29.96	-116.83	-116.45	29.58 -7.46
		85	0.23	0.29	0.16	0.19	0.26	0.06	37.39	-118.05	-115.41	34.76 20.06
15	4	39	0.58	1.27	-0.43	-0.42	1.27	0.08	210.61	-175.09	-103.95	139.47
149.59												
		75	0.38	-0.18	-0.73	-0.72	-0.19	0.08	147.34	-112.48	-104.06	138.92 46.01
		86	0.73	1.51	0.25	1.50	0.25	0.08	90.67	-372.75	-368.19	86.10 45.79
		85	0.83	1.84	1.66	1.79	1.71	0.08	131.32	-412.75	-368.08	86.64
149.37												
15	5	39	0.16	0.19	-0.29	-0.28	0.18	0.06	55.23	-51.36	-45.88	49.75 23.53
		75	0.14	-0.03	-0.33	-0.32	-0.04	0.06	44.87	-47.16	-46.91	44.62 -4.79
		86	0.23	0.19	0.04	0.17	0.06	0.06	30.50	-119.45	-119.14	30.18 -6.89
		85	0.24	0.31	0.18	0.21	0.28	0.06	38.25	-121.05	-118.11	35.31 21.44
15	6	39	0.44	0.92	-0.38	-0.38	0.91	0.07	158.53	-133.33	-85.01	110.21
108.48												
		75	0.30	-0.13	-0.60	-0.59	-0.14	0.07	112.55	-89.80	-85.42	108.17 29.44
		86	0.56	1.07	0.18	1.07	0.19	0.07	70.15	-289.25	-286.96	67.86 28.61
		85	0.63	1.33	1.19	1.28	1.24	0.07	99.89	-316.54	-286.55	69.90
107.65												
15	7	39	0.16	0.19	-0.29	-0.28	0.18	0.06	55.23	-51.36	-45.88	49.75 23.53
		75	0.14	-0.03	-0.33	-0.32	-0.04	0.06	44.87	-47.16	-46.91	44.62 -4.79
		86	0.23	0.19	0.04	0.17	0.06	0.06	30.50	-119.45	-119.14	30.18 -6.89
		85	0.24	0.31	0.18	0.21	0.28	0.06	38.25	-121.05	-118.11	35.31 21.44
15	8	39	0.35	0.70	-0.35	-0.35	0.69	0.07	126.54	-107.74	-73.27	92.07 82.99
		75	0.25	-0.10	-0.52	-0.51	-0.11	0.07	91.33	-76.09	-73.87	89.10 19.17
		86	0.46	0.80	0.14	0.80	0.15	0.07	57.65	-237.71	-236.61	56.55 17.96
		85	0.51	1.02	0.89	0.96	0.95	0.07	80.64	-257.14	-236.02	59.52 81.78
15	9	39	0.16	0.19	-0.29	-0.28	0.18	0.06	55.23	-51.36	-45.88	49.75 23.53
		75	0.14	-0.03	-0.33	-0.32	-0.04	0.06	44.87	-47.16	-46.91	44.62 -4.79
		86	0.23	0.19	0.04	0.17	0.06	0.06	30.50	-119.45	-119.14	30.18 -6.89
		85	0.24	0.31	0.18	0.21	0.28	0.06	38.25	-121.05	-118.11	35.31 21.44
15	10	39	0.32	0.62	-0.34	-0.34	0.62	0.06	115.97	-99.31	-69.36	86.03 74.50
		75	0.23	-0.09	-0.49	-0.48	-0.10	0.06	84.36	-71.62	-70.02	82.75 15.75
		86	0.43	0.71	0.13	0.71	0.14	0.06	53.55	-220.59	-219.83	52.79 14.41
		85	0.47	0.92	0.79	0.85	0.86	0.06	74.30	-237.41	-219.17	56.06 73.16
15	11	39	0.57	3.54	-4.60	-4.60	3.54	-0.08	212.67	-92.37	-92.31	212.60 4.38
		75	0.79	0.80	-6.82	-5.37	-0.65	2.99	311.61	-193.07	-72.55	191.09 -
215.18												
		86	1.10	4.41	0.21	3.60	1.02	1.66	116.55	-552.57	-511.39	75.37 -
160.80												
		85	0.97	6.29	3.37	4.43	5.23	-1.40	95.96	-514.53	-514.44	95.88 7.03
15	12	39	0.94	1.93	-2.06	-2.06	1.93	-0.04	138.69	-449.19	-410.88	100.38 -
145.11												
		75	0.71	-0.20	-3.09	-2.51	-0.79	1.16	-99.83	-453.78	-431.38	-122.22-86.17
		86	0.73	1.88	-2.66e-04	1.74	0.14	0.50	86.17	-372.91	-184.80	-101.94 -
225.77												
		85	0.78	3.23	1.71	2.25	2.70	-0.72	252.18	-274.63	-147.86	125.42 -
225.19												
15	13	39	0.96	1.40	-0.71	1.39	-0.69	0.17	482.63	-138.80	272.16	71.68
294.10												
		75	0.59	2.20	-0.07	1.54	0.59	-1.03	407.21	171.86	291.35	287.72
117.66												
		86	1.00	0.34	-0.53	-0.33	0.13	-0.37	320.23	-367.57	-254.86	207.52
254.59												
		85	1.20	0.11	-1.64	-0.55	-0.98	0.85	244.64	-548.42	-290.49	-13.29
371.52												
15	14	39	0.44	3.93	-2.30	3.93	-2.30	0.21	101.16	-188.12	-46.41	-40.55
144.61												
		75	0.81	5.91	-1.05	4.41	0.45	-2.86	201.02	-294.10	-67.48	-25.59
246.67												
		86	0.61	0.22	-3.16	-2.18	-0.75	-1.53	241.72	-139.79	71.73	30.20
189.62												

		85	0.46	-1.54	-4.70	-2.73	-3.51	1.53	188.65	-96.30	76.10	16.25	
139.30													
15	15	39	0.56	3.58	-4.76	-4.76	3.58	-0.09	220.77	-77.61	-77.61	220.77	-0.41
		75	0.83	0.84	-7.02	-5.53	-0.64	3.07	329.36	-196.46	-59.24	192.14	-
230.92													
		86	1.24	4.49	0.19	3.62	1.06	1.73	156.65	-610.18	-524.74	71.21	-
241.28													
		85	0.99	6.36	3.41	4.46	5.31	-1.41	97.67	-526.35	-526.35	97.67	-0.58
15	16	39	0.94	1.89	-1.91	-1.91	1.89	-0.04	127.79	-461.15	-425.58	92.21	-
140.31													
		75	0.72	-0.24	-2.90	-2.35	-0.79	1.08	-108.52	-459.44	-444.69	-123.28	-70.42
		86	0.51	1.83	-5.13e-03	1.72	0.10	0.43	15.27	-284.50	-171.45	-97.78	-
145.29													
		85	0.75	3.16	1.67	2.22	2.62	-0.72	247.19	-259.52	-135.96	123.62	-
217.58													
15	17	39	0.95	1.25	-0.67	1.23	-0.65	0.17	490.62	-123.92	286.86	79.84	
289.31													
		75	0.58	2.02	-0.04	1.38	0.59	-0.95	398.94	194.49	304.65	288.78	
101.92													
		86	0.85	0.32	-0.45	-0.31	0.17	-0.30	260.67	-325.52	-268.21	203.35	
174.11													
		85	1.18	0.15	-1.58	-0.52	-0.90	0.85	234.95	-548.84	-302.39	-11.49	
363.91													
15	18	39	0.45	4.09	-2.35	4.08	-2.34	0.21	94.62	-204.45	-61.11	-48.72	
149.41													
		75	0.86	6.10	-1.09	4.57	0.44	-2.95	210.09	-317.53	-80.79	-26.64	
262.42													
		86	0.84	0.25	-3.24	-2.21	-0.79	-1.60	331.01	-211.57	85.08	34.36	
270.10													
		85	0.48	-1.58	-4.77	-2.76	-3.59	1.54	202.67	-100.21	88.00	14.46	
146.91													
15	19	39	0.55	3.44	-4.52	-4.52	3.43	0.17	216.38	-74.71	-74.69	216.37	-2.05
		75	0.81	0.84	-6.67	-5.26	-0.57	2.94	328.67	-188.48	-55.72	195.91	-
225.90													
		86	1.12	4.35	0.21	3.52	1.05	1.66	123.38	-561.68	-513.14	74.83	-
175.78													
		85	0.97	6.06	3.34	4.32	5.09	-1.31	99.40	-512.28	-512.26	99.38	-3.99
15	20	39	0.92	1.84	-1.99	-1.98	1.83	0.21	146.68	-435.79	-393.26	104.15	-
151.54													
		75	0.70	-0.16	-2.94	-2.39	-0.71	1.11	-88.60	-443.36	-414.56	-117.40	-96.89
		86	0.77	1.81	0.02	1.66	0.17	0.50	99.88	-388.91	-186.55	-102.48	-
240.75													
		85	0.81	3.01	1.68	2.13	2.56	-0.63	264.83	-281.59	-145.67	128.91	-
236.20													
15	21	39	0.96	1.31	-0.59	1.30	-0.59	-0.08	475.91	-153.47	254.54	67.91	
300.54													
		75	0.60	2.05	-0.12	1.43	0.51	-0.98	407.17	150.26	274.52	282.90	
128.39													
		86	1.03	0.34	-0.48	-0.25	0.11	-0.37	332.21	-377.27	-253.11	208.06	
269.57													
		85	1.22	0.14	-1.42	-0.43	-0.84	0.75	251.91	-561.37	-292.68	-16.79	
382.53													
15	22	39	0.46	3.84	-2.19	3.84	-2.19	-0.04	97.19	-205.54	-64.03	-44.32	
151.05													
		75	0.85	5.76	-1.09	4.29	0.37	-2.81	201.45	-316.17	-84.31	-30.41	
257.40													
		86	0.65	0.23	-3.11	-2.10	-0.78	-1.54	257.82	-153.60	73.48	30.74	
204.60													
		85	0.49	-1.51	-4.48	-2.62	-3.37	1.43	196.72	-110.06	73.91	12.75	
150.31													
15	23	39	0.54	3.48	-4.68	-4.67	3.48	0.17	224.70	-60.16	-59.99	224.54	-6.85
		75	0.85	0.88	-6.87	-5.42	-0.56	3.02	346.94	-192.39	-42.42	196.96	-
241.65													
		86	1.27	4.43	0.20	3.54	1.09	1.73	165.56	-621.38	-526.49	70.67	-
256.26													
		85	0.99	6.13	3.38	4.35	5.17	-1.31	101.38	-524.37	-524.16	101.17	-11.59
15	24	39	0.92	1.80	-1.84	-1.82	1.79	0.21	135.59	-447.57	-407.96	95.98	-
146.74													
		75	0.70	-0.20	-2.75	-2.23	-0.72	1.02	-98.46	-447.85	-427.86	-118.46	-81.15
		86	0.55	1.75	0.01	1.64	0.13	0.43	28.82	-300.34	-173.20	-98.32	-
160.27													
		85	0.78	2.94	1.64	2.10	2.48	-0.62	259.87	-266.52	-133.77	127.12	-

228.60													
15	25	39	0.95	1.15	-0.55	1.15	-0.55	-0.08	483.77	-138.45	269.24	76.08	
295.74													
		75	0.58	1.86	-0.08	1.27	0.52	-0.90	398.55	173.23	287.83	283.95	
112.65													
		86	0.87	0.32	-0.40	-0.23	0.15	-0.31	270.48	-333.05	-266.46	203.89	
189.09													
		85	1.21	0.19	-1.35	-0.40	-0.76	0.75	242.12	-561.69	-304.58	-14.99	
374.92													
15	26	39	0.48	4.00	-2.24	4.00	-2.23	-0.04	90.79	-222.00	-78.73	-52.48	
155.84													
		75	0.90	5.95	-1.13	4.46	0.36	-2.89	210.60	-339.68	-97.62	-31.46	
273.14													
		86	0.88	0.26	-3.20	-2.12	-0.82	-1.60	347.13	-225.40	86.83	34.90	
285.08													
		85	0.51	-1.55	-4.54	-2.65	-3.45	1.44	210.68	-113.91	85.81	10.96	
157.92													
15	27	39	1.05	3.93	-5.47	-5.47	3.93	-0.04	636.36	64.76	406.92	294.21	
280.19													
		75	1.25	1.67	-8.02	-6.29	-0.06	3.72	787.92	275.98	473.46	590.44	-
249.20													
		86	1.73	5.72	0.41	4.39	1.74	2.30	331.71	-805.84	-802.63	328.49	60.39
		85	1.93	7.08	4.17	5.24	6.01	-1.41	180.66	-1021.20	-863.74	23.21	
405.52													
15	28	39	1.26	3.00	-1.42	3.00	-1.42	0.09	-6.51	-728.34	-654.98	-79.87	-
218.11													
		75	1.25	4.41	-1.66	3.25	-0.51	-2.38	-363.00	-813.59	-722.66	-453.93	
180.84													
		86	0.93	0.10	-3.10	-1.80	-1.20	-1.57	327.36	-303.91	286.01	-262.56	-
156.19													
		85	1.22	-1.36	-3.12	-2.04	-2.43	0.86	627.00	-147.12	358.21	121.67	-
368.54													
15	29	39	1.33	2.66	-3.67	-3.67	2.66	0.04	774.27	-6.08	516.26	251.93	
367.11													
		75	1.15	1.42	-5.33	-4.21	0.31	2.51	751.50	450.55	582.63	619.43	-
149.35													
		86	1.71	4.25	0.44	3.21	1.48	1.70	398.58	-756.11	-725.67	368.13	
185.01													
		85	2.02	4.70	3.19	3.74	4.15	-0.73	244.98	-1051.07	-796.56	-9.54	
514.87													
15	30	39	1.00	4.80	-2.69	4.79	-2.69	0.17	-84.80	-582.99	-545.64	-122.15	-
131.19													
		75	1.34	7.10	-1.92	5.33	-0.14	-3.59	-223.11	-815.32	-613.49	-424.94	
280.69													
		86	0.88	0.08	-4.53	-2.98	-1.47	-2.18	364.66	-224.61	362.97	-222.92	-31.57
		85	1.05	-2.34	-5.50	-3.54	-4.29	1.53	566.17	-51.85	425.39	88.92	-
259.20													
15	31	39	1.05	3.90	-5.44	-5.44	3.90	0.03	638.10	69.44	412.20	295.34	
278.26													
		75	1.26	1.69	-7.98	-6.26	-0.04	3.70	793.90	276.49	478.51	591.88	-
252.41													
		86	1.73	5.71	0.41	4.36	1.75	2.31	331.08	-805.91	-803.15	328.33	55.90
		85	1.92	7.01	4.16	5.20	5.97	-1.38	179.44	-1018.27	-863.09	24.26	
402.22													
15	32	39	1.26	3.03	-1.46	3.02	-1.45	0.17	-3.78	-724.65	-649.69	-78.74	-
220.04													
		75	1.24	4.45	-1.65	3.29	-0.49	-2.40	-363.41	-806.69	-717.61	-452.48	
177.62													
		86	0.93	0.09	-3.11	-1.82	-1.19	-1.57	329.11	-306.35	285.48	-262.72	-
160.68													
		85	1.23	-1.37	-3.18	-2.08	-2.47	0.89	630.94	-149.35	358.86	122.72	-
371.85													
15	33	39	1.33	2.69	-3.70	-3.70	2.69	-0.04	772.18	-10.41	510.97	250.80	
369.04													
		75	1.14	1.41	-5.38	-4.25	0.28	2.53	745.30	450.26	577.58	617.98	-
146.13													
		86	1.71	4.26	0.44	3.24	1.47	1.70	400.21	-757.06	-725.14	368.30	
189.50													
		85	2.03	4.77	3.20	3.78	4.19	-0.76	246.63	-1054.44	-797.21	-10.59	
518.17													
15	34	39	1.00	4.77	-2.66	4.77	-2.66	0.09	-87.25	-586.96	-550.92	-123.28	-
129.26													

		75	1.35	7.06	-1.93	5.29	-0.16	-3.57	-222.74	-822.19	-618.54	-426.39
283.91												
		86	0.88	0.09	-4.52	-2.95	-1.48	-2.18	364.74	-224.00	363.49	-222.76 -27.08
		85	1.04	-2.33	-5.43	-3.50	-4.25	1.51	562.66	-50.05	424.74	87.87 -
255.89												
15	35	39	1.07	4.07	-5.98	-5.98	4.07	-0.05	661.30	116.04	455.91	321.43
264.20												
		75	1.39	1.81	-8.68	-6.83	-0.03	4.00	859.94	251.81	517.80	593.95 -
301.67												
		86	1.91	6.01	0.33	4.46	1.88	2.53	350.70	-883.20	-847.12	314.62 -
207.89												
		85	1.94	7.31	4.30	5.33	6.27	-1.43	164.51	-1038.74	-903.41	29.18
380.16												
15	36	39	1.30	3.51	-1.56	3.51	-1.56	0.10	-45.09	-765.98	-703.97	-107.10 -
202.12												
		75	1.39	5.06	-1.80	3.79	-0.54	-2.66	-332.23	-892.21	-767.00	-457.44
233.32												
		86	0.93	0.21	-3.42	-1.87	-1.33	-1.79	351.44	-269.62	330.50	-248.69
112.09												
		85	1.19	-1.49	-3.34	-2.14	-2.69	0.88	627.84	-114.26	397.88	115.69 -
343.18												
15	37	39	1.34	2.80	-4.18	-4.18	2.80	0.03	801.34	43.06	565.25	279.15
351.12												
		75	1.27	1.57	-5.99	-4.76	0.34	2.79	826.79	423.13	626.97	622.94 -
201.82												
		86	1.72	4.54	0.35	3.28	1.61	1.92	360.39	-776.29	-770.16	354.26 -83.27
		85	2.02	4.93	3.32	3.84	4.41	-0.75	222.71	-1062.50	-836.23	-3.57
489.50												
15	38	39	1.05	5.31	-2.83	5.31	-2.82	0.18	-121.33	-622.68	-594.63	-149.38 -
115.21												
		75	1.49	7.76	-2.06	5.87	-0.17	-3.87	-190.79	-895.50	-657.84	-428.45
333.17												
		86	1.20	0.18	-4.83	-3.05	-1.60	-2.40	487.86	-289.45	407.46	-209.04
236.71												
		85	1.04	-2.47	-5.72	-3.64	-4.55	1.56	575.97	-27.96	465.07	82.95 -
233.83												
15	39	39	1.07	4.03	-5.96	-5.96	4.03	0.03	663.16	120.60	461.20	322.56
262.27												
		75	1.40	1.83	-8.63	-6.80	-8.46e-03	3.98	866.17	252.08	522.85	595.40 -
304.89												
		86	1.91	5.99	0.33	4.43	1.88	2.53	352.05	-885.24	-847.64	314.45 -
212.38												
		85	1.93	7.24	4.29	5.30	6.23	-1.40	163.43	-1035.96	-902.76	30.23
376.85												
15	40	39	1.30	3.54	-1.59	3.53	-1.59	0.17	-42.51	-762.14	-698.69	-105.97 -
204.05												
		75	1.38	5.10	-1.79	3.83	-0.52	-2.68	-332.66	-885.29	-761.96	-456.00
230.10												
		86	0.92	0.21	-3.42	-1.89	-1.33	-1.79	349.33	-268.20	329.98	-248.85
107.60												
		85	1.20	-1.50	-3.41	-2.18	-2.73	0.91	631.67	-116.39	398.54	116.74 -
346.48												
15	41	39	1.34	2.83	-4.21	-4.21	2.83	-0.05	799.15	38.84	559.97	278.02
353.05												
		75	1.26	1.56	-6.03	-4.79	0.32	2.81	820.31	423.11	621.92	621.50 -
198.60												
		86	1.72	4.55	0.35	3.31	1.60	1.92	359.92	-775.13	-769.64	354.42 -78.78
		85	2.03	4.99	3.33	3.87	4.45	-0.78	224.25	-1065.75	-836.88	-4.62
492.81												
15	42	39	1.05	5.28	-2.80	5.28	-2.79	0.10	-123.57	-626.86	-599.92	-150.51 -
113.28												
		75	1.51	7.71	-2.07	5.83	-0.19	-3.85	-190.40	-902.38	-662.88	-429.90
336.39												
		86	1.21	0.19	-4.82	-3.02	-1.61	-2.40	491.10	-292.00	407.99	-208.88
241.21												
		85	1.03	-2.46	-5.65	-3.60	-4.51	1.53	572.69	-26.39	464.41	81.90 -
230.53												
15	43	39	0.50	2.92	-3.71	-3.71	2.92	-0.05	187.49	-87.15	-85.83	186.17 18.96
		75	0.63	0.61	-5.49	-4.35	-0.54	2.38	254.63	-156.37	-70.45	168.71 -
167.13												
		86	0.95	3.61	0.20	2.98	0.84	1.33	99.24	-478.90	-450.73	71.06 -
124.48												

		85	0.86	5.13	2.85	3.67	4.31	-1.09	88.49	-453.79	-452.99	87.70	20.74
15	44	39	0.76	1.65	-1.71	-1.71	1.65	-0.02	118.94	-359.94	-338.30	97.30	-99.47
		75	0.59	-0.18	-2.55	-2.09	-0.64	0.93	-65.06	-369.41	-354.84	-79.63	-64.99
		86	0.60	1.62	0.03	1.51	0.14	0.41	55.31	-316.66	-191.88	-69.47	-
175.63													
		85	0.63	2.71	1.54	1.94	2.30	-0.55	187.09	-238.70	-162.44	110.82	-
163.27													
15	45	39	0.78	1.05	-0.43	1.03	-0.41	0.15	393.35	-119.02	199.57	74.76	
248.47													
		75	0.48	1.66	-0.09	1.13	0.44	-0.80	327.64	132.30	214.81	245.13	96.49
		86	0.85	0.32	-0.28	-0.10	0.14	-0.28	257.73	-330.47	-247.78	175.04	
204.45													
		85	1.02	0.29	-1.12	-0.24	-0.59	0.68	201.90	-476.51	-275.91	1.30	
309.59													
15	46	39	0.40	3.04	-1.69	3.04	-1.68	0.18	97.97	-164.98	-52.89	-14.12	
130.04													
		75	0.66	4.58	-0.86	3.39	0.34	-2.25	164.98	-237.78	-69.59	-3.21	
198.63													
		86	0.48	0.23	-2.37	-1.57	-0.56	-1.20	176.53	-130.96	11.07	34.51	
153.30													
		85	0.40	-1.02	-3.54	-1.97	-2.59	1.22	145.21	-106.14	14.64	24.43	
125.58													
15	47	39	0.49	2.96	-3.83	-3.83	2.96	-0.05	193.51	-75.04	-74.19	192.65	15.16
		75	0.66	0.64	-5.65	-4.48	-0.53	2.45	267.95	-158.31	-59.90	169.54	-
179.62													
		86	1.05	3.68	0.19	3.00	0.87	1.38	127.75	-521.30	-461.31	67.76	-
187.98													
		85	0.88	5.18	2.89	3.70	4.37	-1.10	89.54	-462.82	-462.43	89.14	14.71
15	48	39	0.77	1.62	-1.59	-1.59	1.62	-0.02	110.69	-369.81	-349.94	90.82	-95.67
		75	0.60	-0.22	-2.39	-1.96	-0.65	0.86	-71.10	-374.75	-365.38	-80.47	-52.50
		86	0.44	1.58	0.02	1.49	0.11	0.35	2.31	-249.77	-181.30	-66.16	-
112.13													
		85	0.61	2.65	1.51	1.92	2.24	-0.55	182.96	-226.59	-153.00	109.38	-
157.23													
15	49	39	0.78	0.93	-0.40	0.91	-0.38	0.15	399.38	-106.92	211.22	81.23	
244.67													
		75	0.46	1.51	-0.07	1.00	0.45	-0.74	320.28	151.03	225.35	245.97	84.00
		86	0.75	0.30	-0.22	-0.08	0.17	-0.23	213.81	-300.44	-258.36	171.74	
140.95													
		85	1.01	0.32	-1.07	-0.22	-0.53	0.68	194.70	-477.30	-285.35	2.75	
303.55													
15	50	39	0.41	3.17	-1.72	3.16	-1.71	0.18	93.07	-178.20	-64.54	-20.60	
133.84													
		75	0.70	4.74	-0.89	3.52	0.33	-2.32	172.43	-256.61	-80.13	-4.05	
211.12													
		86	0.67	0.26	-2.44	-1.59	-0.59	-1.25	246.68	-187.22	21.65	37.81	
216.80													
		85	0.42	-1.06	-3.60	-2.00	-2.66	1.23	155.15	-108.09	24.08	22.98	
131.62													
15	51	39	0.48	2.84	-3.65	-3.64	2.84	0.15	189.89	-72.03	-71.29	189.16	13.86
		75	0.65	0.64	-5.37	-4.26	-0.47	2.34	267.66	-151.70	-56.60	172.55	-
175.61													
		86	0.96	3.57	0.21	2.91	0.86	1.33	104.12	-485.51	-452.11	70.71	-
136.32													
		85	0.86	4.95	2.83	3.58	4.20	-1.01	90.76	-451.51	-451.24	90.50	12.01
15	52	39	0.75	1.58	-1.65	-1.64	1.57	0.18	124.67	-348.14	-323.75	100.28	-
104.57													
		75	0.58	-0.15	-2.43	-2.00	-0.58	0.89	-56.80	-359.98	-340.99	-75.79	-73.47
		86	0.63	1.56	0.04	1.44	0.16	0.41	65.83	-328.90	-193.25	-69.82	-
187.47													
		85	0.65	2.52	1.51	1.84	2.19	-0.48	196.46	-243.52	-160.69	113.62	-
172.00													
15	53	39	0.78	0.97	-0.33	0.97	-0.33	-0.05	388.22	-131.41	185.03	71.77	
253.57													
		75	0.49	1.54	-0.12	1.04	0.38	-0.76	328.01	114.24	200.96	241.29	
104.97													
		86	0.88	0.34	-0.25	-0.03	0.12	-0.28	266.59	-337.60	-246.40	175.39	
216.29													
		85	1.04	0.32	-0.93	-0.15	-0.47	0.60	207.40	-486.56	-277.66	-1.49	
318.32													
15	54	39	0.42	2.97	-1.60	2.97	-1.60	-0.02	95.19	-179.73	-67.43	-17.10	
135.14													

		75	0.69	4.46	-0.89	3.30	0.27	-2.21	165.35	-255.84	-83.43	-7.05	
207.10													
		86	0.51	0.24	-2.33	-1.50	-0.58	-1.20	189.17	-141.87	12.45	34.86	
165.14													
		85	0.42	-1.00	-3.36	-1.88	-2.48	1.14	151.65	-117.13	12.89	21.63	
134.32													
15	55	39	0.48	2.87	-3.77	-3.77	2.87	0.14	196.03	-60.04	-59.64	195.63	10.06
		75	0.68	0.67	-5.53	-4.39	-0.47	2.40	281.43	-154.10	-46.06	173.39	-
188.10													
		86	1.07	3.63	0.19	2.93	0.89	1.38	134.29	-529.57	-462.69	67.41	-
199.82													
		85	0.87	5.00	2.86	3.60	4.26	-1.02	92.01	-460.74	-460.68	91.94	5.97
15	56	39	0.75	1.54	-1.53	-1.52	1.53	0.18	116.28	-357.88	-335.40	93.80	-
100.77													
		75	0.58	-0.18	-2.27	-1.87	-0.58	0.82	-63.71	-364.45	-351.53	-76.62	-60.98
		86	0.47	1.52	0.04	1.43	0.13	0.36	12.30	-261.49	-182.67	-66.52	-
123.97													
		85	0.63	2.47	1.48	1.82	2.13	-0.47	192.34	-231.42	-151.25	112.18	-
165.97													
15	57	39	0.78	0.85	-0.30	0.84	-0.29	-0.05	394.15	-119.22	196.68	78.25	
249.77													
		75	0.47	1.39	-0.10	0.91	0.38	-0.69	320.54	133.08	211.50	242.12	92.47
		86	0.77	0.31	-0.18	-0.01	0.15	-0.23	220.94	-305.83	-256.99	172.09	
152.79													
		85	1.04	0.35	-0.88	-0.12	-0.41	0.60	200.12	-487.26	-287.10	-0.05	
312.29													
15	58	39	0.44	3.09	-1.63	3.09	-1.63	-0.02	90.35	-193.01	-79.08	-23.58	
138.94													
		75	0.73	4.62	-0.92	3.43	0.27	-2.28	172.84	-274.71	-93.98	-7.89	
219.60													
		86	0.70	0.27	-2.40	-1.52	-0.62	-1.26	259.36	-198.17	23.03	38.16	
228.64													
		85	0.44	-1.03	-3.41	-1.90	-2.54	1.15	161.61	-119.10	22.33	20.19	
140.35													
15	59	39	0.86	3.24	-4.39	-4.39	3.24	-0.02	518.94	40.53	308.60	250.87	
237.46													
		75	0.99	1.30	-6.44	-5.07	-0.07	2.95	626.88	219.49	361.18	485.19	-
194.02													
		86	1.46	4.66	0.37	3.62	1.41	1.84	274.06	-684.34	-681.69	271.41	50.32
		85	1.62	5.77	3.49	4.32	4.93	-1.10	158.00	-857.52	-730.00	30.48	
336.51													
15	60	39	1.01	2.29	-1.00	2.29	-1.00	0.08	0.96	-579.29	-532.94	-45.39	-
157.31													
		75	1.00	3.38	-1.34	2.46	-0.42	-1.87	-274.05	-655.35	-586.79	-342.62	
146.44													
		86	0.66	0.14	-2.34	-1.28	-0.92	-1.23	216.10	-231.99	181.15	-197.03	-
120.18													
		85	0.90	-0.89	-2.31	-1.45	-1.75	0.69	457.53	-111.43	238.53	107.57	-
276.84													
15	61	39	1.07	2.24	-2.96	-2.96	2.24	0.04	624.64	-12.98	394.22	217.44	
306.31													
		75	0.91	1.10	-4.31	-3.43	0.22	2.00	596.40	358.47	446.76	508.12	-
114.94													
		86	1.44	3.49	0.40	2.69	1.20	1.35	326.05	-644.25	-620.81	302.60	
149.00													
		85	1.69	3.89	2.72	3.15	3.47	-0.57	207.13	-879.44	-676.87	4.56	
423.17													
15	62	39	0.81	3.72	-2.00	3.71	-2.00	0.14	-58.68	-467.45	-447.32	-78.81	-88.46
		75	1.07	5.52	-1.54	4.11	-0.13	-2.83	-167.35	-653.55	-501.21	-319.69	
225.52													
		86	0.61	0.12	-3.46	-2.21	-1.13	-1.71	243.16	-166.97	242.03	-165.84	-21.50
		85	0.75	-1.66	-4.18	-2.62	-3.22	1.23	403.90	-30.60	291.65	81.65	-
190.19													
15	63	39	0.86	3.21	-4.37	-4.37	3.21	0.04	520.26	44.46	312.96	251.76	
235.93													
		75	1.00	1.31	-6.40	-5.04	-0.05	2.94	631.51	220.17	365.33	486.34	-
196.57													
		86	1.46	4.64	0.37	3.60	1.42	1.84	273.59	-684.39	-682.10	271.30	46.77
		85	1.62	5.71	3.48	4.29	4.90	-1.08	157.07	-855.22	-729.47	31.32	
333.89													
15	64	39	1.01	2.31	-1.03	2.31	-1.02	0.14	2.97	-576.05	-528.58	-44.49	-
158.84													

		75	1.00	3.42	-1.33	2.49	-0.40	-1.88	-274.31	-649.79	-582.63	-341.46
143.89												
		86	0.67	0.13	-2.35	-1.30	-0.92	-1.23	217.64	-234.04	180.73	-197.14
123.73												
		85	0.90	-0.90	-2.36	-1.48	-1.78	0.72	460.72	-113.27	239.05	108.41
279.46												
15	65	39	1.08	2.27	-2.98	-2.98	2.27	-0.02	623.01	-16.60	389.86	216.55
307.84												
		75	0.90	1.09	-4.34	-3.45	0.20	2.01	591.69	357.87	442.60	506.96
112.40												
		86	1.44	3.51	0.40	2.71	1.19	1.35	327.27	-644.95	-620.39	302.71
152.55												
		85	1.70	3.95	2.73	3.18	3.50	-0.59	208.39	-882.07	-677.40	3.72
425.79												
15	66	39	0.81	3.69	-1.98	3.69	-1.97	0.08	-60.40	-470.99	-451.68	-79.71
		75	1.08	5.48	-1.55	4.08	-0.15	-2.81	-167.09	-659.12	-505.37	-320.84
228.06												
		86	0.61	0.12	-3.45	-2.19	-1.14	-1.71	243.23	-166.52	242.44	-165.73
		85	0.74	-1.65	-4.13	-2.59	-3.19	1.20	401.00	-29.07	291.12	80.81
187.57												
15	67	39	0.87	3.35	-4.80	-4.80	3.35	-0.02	537.83	82.06	347.43	272.46
224.78												
		75	1.10	1.41	-6.96	-5.50	-0.05	3.18	682.23	202.07	396.32	487.97
235.67												
		86	1.59	4.88	0.31	3.67	1.51	2.01	286.35	-742.91	-716.96	260.40
161.35												
		85	1.63	5.95	3.59	4.40	5.14	-1.12	145.66	-871.80	-761.44	35.30
316.40												
15	68	39	1.04	2.70	-1.11	2.70	-1.11	0.09	-28.47	-610.28	-571.77	-66.98
144.64												
		75	1.12	3.90	-1.45	2.89	-0.44	-2.09	-250.23	-717.10	-621.93	-345.40
188.08												
		86	0.66	0.23	-2.60	-1.34	-1.03	-1.41	236.24	-205.85	216.42	-186.02
		85	0.87	-1.00	-2.48	-1.52	-1.96	0.71	456.36	-83.65	269.97	102.74
256.73												
15	69	39	1.08	2.35	-3.37	-3.37	2.35	0.04	645.28	26.80	433.05	239.03
293.63												
		75	1.00	1.22	-4.83	-3.86	0.24	2.22	653.65	339.15	481.90	510.90
156.58												
		86	1.45	3.72	0.33	2.75	1.30	1.53	295.72	-660.20	-656.08	291.60
		85	1.69	4.07	2.82	3.22	3.67	-0.58	190.19	-889.12	-708.32	9.38
403.05												
15	70	39	0.85	4.12	-2.11	4.12	-2.11	0.15	-86.05	-500.50	-486.15	-100.40
		75	1.20	6.04	-1.65	4.54	-0.15	-3.05	-141.64	-717.19	-536.36	-322.47
267.16												
		86	0.89	0.20	-3.71	-2.26	-1.24	-1.89	349.07	-226.60	277.30	-154.83
190.17												
		85	0.74	-1.77	-4.36	-2.70	-3.43	1.24	409.93	-10.01	323.10	76.83
170.08												
15	71	39	0.87	3.32	-4.78	-4.78	3.32	0.04	539.24	85.90	351.79	273.35
223.25												
		75	1.11	1.42	-6.92	-5.47	-0.03	3.16	687.10	202.50	400.48	489.13
238.21												
		86	1.60	4.87	0.31	3.65	1.52	2.02	287.36	-744.44	-717.37	260.30
164.90												
		85	1.63	5.89	3.58	4.37	5.11	-1.09	144.84	-869.62	-760.92	36.14
313.78												
15	72	39	1.04	2.72	-1.14	2.72	-1.13	0.15	-26.58	-606.91	-567.41	-66.08
146.17												
		75	1.11	3.94	-1.44	2.92	-0.42	-2.11	-250.52	-711.51	-617.78	-344.25
185.54												
		86	0.66	0.22	-2.60	-1.36	-1.02	-1.40	234.39	-204.52	216.00	-186.13
		85	0.87	-1.00	-2.54	-1.55	-1.99	0.74	459.49	-85.41	270.50	103.58
259.35												
15	73	39	1.08	2.37	-3.39	-3.39	2.37	-0.02	643.57	23.25	428.69	238.14
295.16												
		75	0.99	1.20	-4.86	-3.88	0.22	2.23	648.61	338.88	477.74	509.75
154.04												
		86	1.45	3.73	0.33	2.77	1.30	1.53	295.38	-659.34	-655.66	291.70
		85	1.70	4.13	2.83	3.25	3.71	-0.61	191.36	-891.66	-708.85	8.54
405.67												
15	74	39	0.85	4.10	-2.08	4.10	-2.08	0.09	-87.61	-504.19	-490.51	-101.30

		75	1.21	6.00	-1.66	4.51	-0.17	-3.04	-141.38	-722.76	-540.51	-323.63
269.71												
		86	0.90	0.21	-3.70	-2.24	-1.25	-1.89	351.80	-228.81	277.71	-154.72
193.72												
		85	0.73	-1.76	-4.30	-2.67	-3.39	1.22	407.23	-8.67	322.57	75.99
167.46												
15	75	39	0.46	2.53	-3.13	-3.13	2.53	-0.03	172.02	-86.66	-83.46	168.82
		75	0.54	0.48	-4.62	-3.68	-0.46	1.98	217.39	-134.43	-70.81	153.77
135.41												
		86	0.85	3.10	0.20	2.59	0.72	1.11	88.00	-430.87	-410.65	67.79
100.40												
		85	0.79	4.38	2.52	3.19	3.71	-0.89	84.00	-414.21	-412.41	82.21
15	76	39	0.66	1.47	-1.47	-1.47	1.47	-6.87e-03	107.39	-304.12	-292.10	95.37
		75	0.51	-0.17	-2.18	-1.81	-0.55	0.78	-41.62	-315.68	-305.84	-51.46
		86	0.53	1.47	0.05	1.37	0.14	0.35	38.28	-283.37	-196.74	-48.35
142.69												
		85	0.54	2.38	1.43	1.76	2.06	-0.45	147.97	-218.94	-172.29	101.33
122.23												
15	77	39	0.68	0.81	-0.25	0.80	-0.23	0.13	336.66	-106.60	153.38	76.69
218.29												
		75	0.41	1.30	-0.10	0.85	0.35	-0.65	277.75	105.02	165.81	216.96
		86	0.76	0.31	-0.14	0.04	0.14	-0.22	217.78	-306.77	-242.92	153.92
171.51												
		85	0.91	0.39	-0.79	-0.06	-0.34	0.58	174.50	-429.76	-266.06	10.80
268.55												
15	78	39	0.37	2.46	-1.29	2.45	-1.29	0.16	97.90	-149.93	-55.26	3.23
120.41												
		75	0.56	3.71	-0.73	2.72	0.26	-1.85	143.00	-200.49	-69.22	11.73
166.91												
		86	0.41	0.24	-1.86	-1.18	-0.44	-0.98	137.85	-129.07	-29.01	37.79
129.22												
		85	0.37	-0.69	-2.80	-1.49	-2.00	1.02	121.78	-117.79	-25.94	29.92
116.48												
15	79	39	0.45	2.55	-3.23	-3.23	2.55	-0.03	176.76	-76.41	-73.83	174.17
		75	0.56	0.51	-4.75	-3.79	-0.45	2.03	227.74	-135.38	-62.10	154.46
145.73												
		86	0.93	3.15	0.19	2.60	0.74	1.15	109.27	-463.61	-419.40	65.06
152.89												
		85	0.80	4.43	2.55	3.21	3.76	-0.90	84.63	-421.43	-420.21	83.40
15	80	39	0.66	1.45	-1.37	-1.37	1.45	-5.52e-03	100.88	-312.60	-301.73	90.02
		75	0.52	-0.20	-2.06	-1.70	-0.55	0.73	-45.99	-320.71	-314.55	-52.15
		86	0.41	1.43	0.04	1.36	0.11	0.30	-1.91	-231.71	-187.99	-45.62
		85	0.52	2.34	1.41	1.74	2.00	-0.44	144.60	-208.97	-164.50	100.13
117.24												
15	81	39	0.67	0.71	-0.23	0.69	-0.21	0.13	341.44	-96.40	163.01	82.04
215.14												
		75	0.40	1.18	-0.08	0.74	0.35	-0.60	271.41	120.76	174.52	217.65
		86	0.68	0.29	-0.08	0.05	0.16	-0.18	183.73	-284.20	-251.67	151.20
119.01												
		85	0.91	0.42	-0.75	-0.04	-0.29	0.57	168.90	-430.75	-273.85	12.00
263.56												
15	82	39	0.39	2.56	-1.32	2.55	-1.31	0.16	93.97	-160.98	-64.89	-2.12
123.55												
		75	0.60	3.84	-0.76	2.82	0.25	-1.91	149.28	-216.18	-77.93	11.04
177.23												
		86	0.56	0.26	-1.92	-1.19	-0.47	-1.02	194.36	-174.11	-20.26	40.51
181.71												
		85	0.39	-0.72	-2.84	-1.51	-2.05	1.03	129.00	-118.42	-18.14	28.73
121.47												
15	83	39	0.44	2.46	-3.07	-3.07	2.46	0.13	173.70	-73.84	-71.41	171.28
		75	0.55	0.51	-4.52	-3.60	-0.41	1.94	227.63	-130.02	-59.34	156.95
142.42												
		86	0.86	3.06	0.20	2.53	0.73	1.11	91.63	-435.90	-411.79	67.51
110.18												
		85	0.79	4.23	2.50	3.11	3.62	-0.83	85.55	-412.00	-410.96	84.52
15	84	39	0.64	1.41	-1.42	-1.42	1.40	0.16	111.62	-293.85	-280.06	97.83
		75	0.50	-0.14	-2.09	-1.74	-0.49	0.75	-35.30	-307.36	-294.37	-48.28
		86	0.55	1.42	0.06	1.32	0.16	0.35	46.50	-293.00	-197.87	-48.63
152.47												
		85	0.56	2.23	1.41	1.68	1.96	-0.38	155.05	-222.26	-170.85	103.64
129.45												
15	85	39	0.68	0.74	-0.17	0.74	-0.16	-0.03	332.79	-117.23	141.34	74.23

222.50													
		75	0.42	1.20	-0.13	0.77	0.29	-0.62	278.36	89.76	154.34	213.78	89.50
		86	0.78	0.33	-0.12	0.09	0.12	-0.22	224.66	-312.25	-241.79	154.20	
181.29													
		85	0.93	0.42	-0.64	0.02	-0.25	0.51	178.86	-437.87	-267.50	8.49	
275.77													
15	86	39	0.40	2.40	-1.22	2.40	-1.22	-4.55e-03	95.92	-162.45	-67.31	0.77	
124.62													
		75	0.58	3.61	-0.76	2.64	0.21	-1.82	143.47	-215.61	-80.69	8.55	
173.91													
		86	0.44	0.25	-1.83	-1.12	-0.46	-0.98	147.95	-137.76	-27.87	38.06	
139.00													
		85	0.39	-0.67	-2.64	-1.41	-1.90	0.96	126.83	-126.61	-27.38	27.61	
123.70													
15	87	39	0.44	2.49	-3.18	-3.17	2.48	0.13	178.51	-63.66	-61.79	176.63	21.23
		75	0.57	0.54	-4.65	-3.71	-0.40	2.00	238.36	-131.35	-50.63	157.64	-
152.74													
		86	0.94	3.11	0.19	2.55	0.76	1.15	114.27	-470.02	-420.53	64.78	-
162.67													
		85	0.80	4.27	2.52	3.13	3.67	-0.83	86.33	-419.38	-418.76	85.71	17.64
15	88	39	0.64	1.39	-1.32	-1.31	1.38	0.16	105.02	-302.23	-289.69	92.48	-70.36
		75	0.51	-0.17	-1.96	-1.63	-0.50	0.69	-40.32	-311.74	-303.08	-48.97	-47.68
		86	0.43	1.38	0.05	1.30	0.13	0.31	5.46	-240.49	-189.13	-45.90	-99.97
		85	0.54	2.18	1.38	1.66	1.91	-0.38	151.66	-212.27	-163.05	102.44	-
124.46													
15	89	39	0.67	0.64	-0.14	0.64	-0.14	-0.03	337.51	-106.97	150.96	79.58	
219.35													
		75	0.40	1.08	-0.11	0.67	0.30	-0.56	272.01	105.52	163.05	214.47	79.17
		86	0.70	0.31	-0.05	0.11	0.14	-0.18	189.19	-288.25	-250.53	151.47	
128.80													
		85	0.92	0.44	-0.60	0.04	-0.19	0.51	173.18	-438.79	-275.30	9.69	
270.78													
15	90	39	0.41	2.50	-1.24	2.50	-1.24	-3.20e-03	92.03	-173.54	-76.93	-4.58	
127.76													
		75	0.62	3.74	-0.79	2.75	0.20	-1.87	149.77	-231.32	-89.40	7.86	
184.23													
		86	0.59	0.27	-1.89	-1.14	-0.49	-1.03	204.66	-182.99	-19.12	40.79	
191.50													
		85	0.40	-0.69	-2.69	-1.43	-1.95	0.96	134.14	-127.31	-19.59	26.42	
128.69													
15	91	39	0.73	2.79	-3.69	-3.69	2.79	-2.94e-03	441.98	23.14	242.86	222.27	
209.17													
		75	0.82	1.05	-5.40	-4.27	-0.08	2.45	521.10	180.43	286.21	415.32	-
157.63													
		86	1.28	3.96	0.34	3.11	1.19	1.53	235.75	-603.84	-601.52	233.43	44.11
		85	1.42	4.91	3.04	3.72	4.23	-0.90	142.76	-749.18	-641.33	34.91	
290.80													
15	92	39	0.84	1.84	-0.72	1.83	-0.72	0.08	7.24	-482.44	-452.63	-22.57	-
117.08													
		75	0.85	2.72	-1.13	1.95	-0.36	-1.54	-214.59	-551.41	-497.23	-268.78	
123.75													
		86	0.49	0.17	-1.85	-0.94	-0.74	-1.00	143.15	-185.31	111.54	-153.70	-96.86
		85	0.69	-0.57	-1.77	-1.05	-1.30	0.58	347.05	-89.34	159.07	98.64	-
216.09													
15	93	39	0.91	1.96	-2.51	-2.51	1.96	0.05	526.95	-18.42	313.91	194.63	
266.08													
		75	0.75	0.89	-3.64	-2.92	0.16	1.66	495.72	295.75	357.19	434.28	-92.26
		86	1.26	2.99	0.37	2.35	1.01	1.13	278.32	-570.24	-551.20	259.27	
125.69													
		85	1.48	3.36	2.40	2.75	3.01	-0.46	182.00	-765.93	-597.42	13.49	
362.41													
15	94	39	0.68	3.01	-1.55	3.01	-1.55	0.13	-39.62	-392.17	-381.58	-50.21	-60.17
		75	0.90	4.48	-1.30	3.31	-0.12	-2.33	-129.35	-546.72	-426.24	-249.83	
189.13													
		86	0.43	0.15	-2.76	-1.70	-0.91	-1.40	162.66	-128.66	161.86	-127.86	-15.29
		85	0.55	-1.21	-3.32	-2.02	-2.51	1.03	297.67	-17.47	202.98	77.22	-
144.48													
15	95	39	0.73	2.77	-3.67	-3.67	2.76	0.05	442.97	26.50	246.47	223.00	
207.91													
		75	0.83	1.06	-5.37	-4.25	-0.06	2.44	524.78	181.14	289.65	416.28	-
159.73													
		86	1.28	3.95	0.34	3.10	1.19	1.53	235.37	-603.88	-601.86	233.35	41.18

		85	1.41	4.86	3.03	3.70	4.20	-0.88	142.01	-747.30	-640.89	35.60	
288.63													
15	96	39	0.84	1.86	-0.75	1.85	-0.74	0.13	8.76	-479.61	-449.02	-21.83	-
118.35													
		75	0.84	2.75	-1.12	1.97	-0.35	-1.55	-214.78	-546.83	-493.79	-267.83	
121.65													
		86	0.50	0.16	-1.85	-0.95	-0.73	-1.00	144.58	-187.16	111.20	-153.78	-99.80
		85	0.69	-0.58	-1.82	-1.07	-1.33	0.60	349.74	-90.90	159.50	99.33	-
218.26													
15	97	39	0.91	1.98	-2.53	-2.53	1.98	-2.25e-03	525.70	-21.51	310.30	193.89	
267.34													
		75	0.75	0.88	-3.67	-2.94	0.15	1.67	492.09	294.99	353.75	433.33	-90.16
		86	1.27	3.00	0.37	2.36	1.01	1.13	279.28	-570.79	-550.86	259.35	
128.62													
		85	1.48	3.40	2.41	2.77	3.04	-0.48	183.01	-768.07	-597.85	12.79	
364.58													
15	98	39	0.69	2.99	-1.53	2.99	-1.52	0.08	-40.87	-395.27	-385.19	-50.95	-58.91
		75	0.91	4.45	-1.30	3.29	-0.14	-2.31	-129.12	-551.34	-429.68	-250.78	
191.23													
		86	0.43	0.15	-2.76	-1.69	-0.92	-1.40	162.73	-128.30	162.20	-127.77	-12.36
		85	0.54	-1.21	-3.28	-2.00	-2.48	1.01	295.17	-16.10	202.54	76.53	-
142.31													
15	99	39	0.74	2.87	-4.02	-4.02	2.87	-7.43e-03	456.98	58.07	274.94	240.11	
198.69													
		75	0.91	1.14	-5.83	-4.63	-0.06	2.64	565.18	167.69	315.25	417.62	-
192.04													
		86	1.38	4.14	0.29	3.16	1.27	1.68	243.92	-650.25	-630.66	224.33	-
130.87													
		85	1.43	5.05	3.13	3.78	4.40	-0.91	132.84	-761.26	-667.31	38.89	
274.18													
15	100	39	0.88	2.17	-0.81	2.17	-0.81	0.09	-16.16	-508.97	-484.72	-40.41	-
106.61													
		75	0.94	3.15	-1.22	2.31	-0.38	-1.72	-195.46	-601.89	-526.27	-271.08	
158.17													
		86	0.49	0.25	-2.06	-0.98	-0.83	-1.15	160.68	-164.60	140.69	-144.60	78.12
		85	0.66	-0.66	-1.91	-1.11	-1.47	0.60	344.38	-64.67	185.06	94.66	-
199.47													
15	101	39	0.91	2.05	-2.85	-2.85	2.05	0.04	543.41	15.05	346.00	212.47	
255.60													
		75	0.83	0.98	-4.07	-3.27	0.18	1.85	540.55	282.26	386.24	436.58	-
126.67													
		86	1.27	3.18	0.32	2.39	1.10	1.28	253.09	-583.26	-580.35	250.18	-49.30
		85	1.48	3.50	2.49	2.81	3.18	-0.47	168.47	-774.41	-623.41	17.47	
345.79													
15	102	39	0.72	3.35	-1.64	3.35	-1.63	0.14	-61.05	-420.67	-413.67	-68.05	-49.70
		75	1.01	4.91	-1.39	3.67	-0.14	-2.51	-108.17	-599.24	-455.28	-252.13	
223.54													
		86	0.69	0.22	-2.97	-1.75	-1.00	-1.55	258.59	-186.35	191.01	-118.76	
159.70													
		85	0.54	-1.30	-3.47	-2.08	-2.68	1.04	300.80	1.40	228.97	73.24	-
127.86													
15	103	39	0.74	2.85	-4.01	-4.01	2.85	0.04	458.03	61.37	278.56	240.84	
197.43													
		75	0.92	1.15	-5.80	-4.61	-0.04	2.63	569.10	168.17	318.69	418.58	-
194.14													
		86	1.39	4.13	0.29	3.14	1.28	1.68	244.70	-651.45	-631.01	224.25	-
133.81													
		85	1.42	5.01	3.12	3.76	4.37	-0.89	132.18	-759.48	-666.88	39.59	
272.01													
15	104	39	0.87	2.19	-0.83	2.19	-0.83	0.13	-14.72	-506.05	-481.10	-39.67	-
107.87													
		75	0.93	3.17	-1.21	2.33	-0.37	-1.73	-195.68	-597.28	-522.83	-270.13	
156.06													
		86	0.48	0.24	-2.06	-1.00	-0.82	-1.15	158.96	-163.30	140.35	-144.68	75.19
		85	0.66	-0.67	-1.96	-1.13	-1.50	0.62	347.03	-66.19	185.49	95.35	-
201.64													
15	105	39	0.91	2.07	-2.86	-2.86	2.07	-6.74e-03	542.10	12.01	342.38	211.73	
256.87													
		75	0.82	0.98	-4.10	-3.29	0.17	1.86	536.55	281.87	382.80	435.63	-
124.57													
		86	1.27	3.19	0.32	2.41	1.10	1.28	252.84	-582.59	-580.00	250.26	-46.37
		85	1.48	3.55	2.50	2.83	3.21	-0.49	169.41	-776.47	-623.84	16.78	

347.96												
15	106	39	0.73	3.33	-1.61	3.33	-1.61	0.09	-62.18	-423.89	-417.28	-68.79-48.43
		75	1.02	4.88	-1.40	3.64	-0.16	-2.50	-107.94	-603.86	-458.72	-253.08
225.64												
		86	0.69	0.22	-2.96	-1.73	-1.01	-1.55	261.01	-188.34	191.35	-118.68
162.63												
		85	0.53	-1.29	-3.42	-2.06	-2.66	1.02	298.46	2.61	228.53	72.54 -
125.69												
16	1	85	0.36	0.23	-0.22	0.18	-0.17	0.14	92.76	-149.84	-147.45	90.38-23.94
		86	0.31	0.31	-0.02	0.23	0.06	0.14	38.65	-159.53	-158.09	37.21-16.85
		84	0.32	1.69	0.34	1.67	0.35	0.14	48.69	-147.90	-140.02	40.82-38.55
		40	0.37	1.64	0.10	1.63	0.12	0.14	102.95	-138.35	-129.39	93.99-45.63
16	2	85	0.95	1.46	-0.63	1.41	-0.58	0.33	227.38	-399.13	-385.77	214.01-90.54
		86	0.79	1.76	0.58	1.66	0.68	0.33	88.80	-411.08	-410.85	88.57-10.66
		84	0.62	7.66	1.86	7.65	1.88	0.33	140.31	-218.18	-207.17	129.31-61.84
		40	0.84	7.41	0.60	7.39	0.62	0.33	296.69	-224.03	-182.08	254.74 -
141.72												
16	3	85	0.27	0.15	-0.16	0.12	-0.12	0.10	68.84	-110.58	-108.93	67.19-17.16
		86	0.23	0.21	-0.03	0.15	0.04	0.10	28.83	-118.01	-116.84	27.65-13.08
		84	0.24	1.19	0.23	1.17	0.24	0.10	35.73	-112.44	-106.44	29.73-29.21
		40	0.28	1.15	0.07	1.14	0.08	0.10	75.63	-104.90	-98.54	69.27-33.29
16	4	85	0.85	1.39	-0.58	1.34	-0.53	0.29	203.56	-359.98	-347.24	190.82-83.76
		86	0.71	1.67	0.57	1.58	0.66	0.29	79.12	-369.71	-369.60	79.02 -6.89
		84	0.54	7.16	1.75	7.15	1.77	0.29	127.38	-182.75	-173.59	118.22-52.51
		40	0.75	6.92	0.57	6.91	0.58	0.29	269.78	-190.98	-151.23	230.02 -
129.37												
16	5	85	0.27	0.17	-0.17	0.13	-0.13	0.11	70.26	-113.23	-111.47	68.51-17.87
		86	0.23	0.23	-0.02	0.16	0.04	0.11	29.34	-120.67	-119.53	28.20-13.01
		84	0.24	1.25	0.25	1.24	0.26	0.11	36.71	-113.19	-107.16	30.67-29.46
		40	0.28	1.21	0.08	1.20	0.09	0.11	77.64	-105.76	-99.10	70.98-34.31
16	6	85	0.66	0.99	-0.44	0.95	-0.40	0.23	159.94	-279.36	-270.35	150.93-62.27
		86	0.55	1.19	0.38	1.12	0.46	0.23	62.67	-288.27	-288.04	62.44 -8.89
		84	0.44	5.23	1.26	5.22	1.28	0.23	97.77	-160.03	-151.92	89.67-44.99
		40	0.59	5.06	0.41	5.05	0.42	0.23	206.55	-162.62	-134.23	178.15-98.37
16	7	85	0.27	0.17	-0.17	0.13	-0.13	0.11	70.26	-113.23	-111.47	68.51-17.87
		86	0.23	0.23	-0.02	0.16	0.04	0.11	29.34	-120.67	-119.53	28.20-13.01
		84	0.24	1.25	0.25	1.24	0.26	0.11	36.71	-113.19	-107.16	30.67-29.46
		40	0.28	1.21	0.08	1.20	0.09	0.11	77.64	-105.76	-99.10	70.98-34.31
16	8	85	0.55	0.74	-0.36	0.70	-0.32	0.20	132.94	-229.42	-222.68	126.20-48.95
		86	0.46	0.90	0.27	0.83	0.33	0.20	52.52	-237.84	-237.49	52.17-10.13
		84	0.38	4.04	0.96	4.03	0.97	0.20	79.43	-145.96	-138.49	71.97-40.33
		40	0.50	3.91	0.31	3.89	0.32	0.20	167.51	-145.20	-123.69	146.00-79.15
16	9	85	0.27	0.17	-0.17	0.13	-0.13	0.11	70.26	-113.23	-111.47	68.51-17.87
		86	0.23	0.23	-0.02	0.16	0.04	0.11	29.34	-120.67	-119.53	28.20-13.01
		84	0.24	1.25	0.25	1.24	0.26	0.11	36.71	-113.19	-107.16	30.67-29.46
		40	0.28	1.21	0.08	1.20	0.09	0.11	77.64	-105.76	-99.10	70.98-34.31
16	10	85	0.51	0.66	-0.33	0.62	-0.29	0.18	123.95	-212.78	-206.80	117.96-44.51
		86	0.42	0.80	0.23	0.74	0.29	0.18	49.16	-221.05	-220.64	48.75-10.54
		84	0.36	3.64	0.86	3.63	0.87	0.18	73.32	-141.27	-134.02	66.07-38.78
		40	0.47	3.52	0.28	3.51	0.29	0.18	154.55	-139.44	-120.18	135.28-72.75
16	11	85	1.09	3.53	-1.77	3.13	-1.37	-1.39	260.58	-440.20	-440.10	260.48 -8.44
		86	1.18	7.13	-2.10	3.60	1.43	4.49	147.47	-560.01	-514.03	101.50 -
174.39												
		84	1.95	22.20	2.72	20.76	4.17	5.11	175.15	-870.66	-738.20	42.70 -
347.82												
		40	1.87	20.33	1.87	20.31	1.89	-0.68	364.35	-712.85	-696.68	348.18 -
130.99												
16	12	85	0.54	1.48	-1.70	1.47	-1.70	-0.09	-75.92	-349.58	-179.62	-245.88
132.76												
		86	0.84	2.99	-0.82	1.72	0.45	1.80	284.03	-260.91	-140.87	163.99 -
225.84												
		84	1.72	9.26	0.72	8.77	1.21	1.98	36.62	-925.49	-906.74	17.87 -
133.01												
		40	1.66	8.55	8.97e-03	8.55	0.01	0.18	-163.71	-995.76	-919.59	-239.88
239.94												
16	13	85	1.24	1.25	-0.37	-0.23	1.12	0.45	544.94	-297.11	-233.97	481.80 -
221.77												
		86	0.78	1.39	-1.50	-0.25	0.13	-1.43	52.36	-419.27	-300.41	-66.50
204.76												
		84	1.03	1.42	-2.41	-1.52	0.53	-1.61	644.50	108.47	638.70	114.27 55.46
		40	1.52	0.58	-1.54	-1.53	0.56	0.18	989.41	200.28	679.24	510.44 -
385.43												

16	14	85	0.31	1.66	-2.76	-1.89	0.79	1.76	85.49	-83.55	26.50	-24.56	-80.57
		86	0.58	2.69	-5.66	-2.12	-0.85	-4.12	192.42	-123.67	72.76	-4.01	
153.32													
		84	1.31	-0.68	-15.26	-13.50	-2.43	-4.74	610.38	-50.78	470.16	89.44	
270.27													
		40	1.04	-1.23	-13.38	-13.29	-1.32	1.05	456.72	-78.01	456.32	-77.61	-14.50
16	15	85	1.12	3.53	-1.75	3.14	-1.35	-1.39	276.27	-449.76	-449.48	275.99	-14.27
		86	1.20	7.25	-2.25	3.60	1.40	4.62	149.25	-570.06	-525.66	104.86	-
173.10													
		84	1.98	22.59	2.71	21.09	4.20	5.24	190.48	-876.79	-727.22	40.92	-
370.48													
		40	1.91	20.67	1.91	20.65	1.94	-0.68	375.82	-728.05	-709.63	357.39	-
141.40													
16	16	85	0.57	1.47	-1.73	1.47	-1.72	-0.09	-69.92	-361.71	-170.23	-261.40	
138.59													
		86	0.83	2.87	-0.67	1.72	0.48	1.66	285.13	-253.74	-129.24	160.63	-
227.13													
		84	1.72	8.88	0.73	8.44	1.18	1.85	32.46	-930.53	-917.71	19.65	-
110.35													
		40	1.65	8.21	-0.04	8.21	-0.03	0.18	-164.62	-991.11	-906.64	-249.09	
250.36													
16	17	85	1.28	1.28	-0.37	-0.23	1.14	0.46	561.66	-307.71	-243.36	497.31	-
227.60													
		86	0.79	1.24	-1.38	-0.24	0.10	-1.30	53.13	-428.31	-312.04	-63.14	
206.06													
		84	1.03	1.41	-2.03	-1.18	0.56	-1.48	651.67	110.50	649.68	112.49	32.80
		40	1.54	0.62	-1.20	-1.18	0.60	0.18	995.56	190.39	666.29	519.66	-
395.85													
16	18	85	0.30	1.64	-2.77	-1.90	0.77	1.75	81.75	-85.93	35.89	-40.07	-74.74
		86	0.59	2.83	-5.78	-2.13	-0.81	-4.26	197.31	-120.29	84.38	-7.36	
152.03													
		84	1.35	-0.66	-15.64	-13.84	-2.46	-4.87	621.12	-70.71	459.19	91.22	
292.93													
		40	1.08	-1.27	-13.72	-13.63	-1.36	1.05	469.31	-86.86	469.28	-86.83	-4.09
16	19	85	1.38	3.41	-1.68	3.05	-1.32	-1.30	475.04	-440.01	-439.81	474.84	-13.76
		86	1.21	6.55	-2.92	3.50	0.13	4.42	158.95	-563.65	-511.11	106.41	-
187.62													
		84	2.02	21.66	2.61	20.24	4.03	5.00	174.85	-913.99	-779.51	40.37	-
358.25													
		40	1.96	19.84	1.83	19.82	1.85	-0.63	383.11	-755.69	-738.16	365.57	-
140.22													
16	20	85	0.48	1.39	-1.65	1.39	-1.65	3.16e-03	41.89	-252.75	-179.33	-31.53	
127.44													
		86	0.88	2.52	-1.75	1.62	-0.86	1.73	299.54	-268.59	-137.95	168.90	-
239.07													
		84	1.78	8.72	0.61	8.26	1.06	1.87	36.44	-968.95	-948.05	15.54	-
143.44													
		40	1.72	8.06	-0.04	8.06	-0.03	0.23	-156.34	-1027.22	-961.08	-222.48	
230.71													
16	21	85	0.96	1.16	-0.25	-0.16	1.06	0.36	347.92	-314.74	-234.26	267.44	-
216.45													
		86	0.81	2.23	-0.94	-0.15	1.44	-1.37	59.54	-434.28	-303.33	-71.41	
217.99													
		84	1.10	1.56	-1.89	-1.01	0.68	-1.50	687.62	109.00	680.02	116.60	65.88
		40	1.53	0.61	-1.05	-1.04	0.60	0.14	999.94	213.84	720.73	493.05	-
376.20													
16	22	85	0.52	1.56	-2.64	-1.81	0.74	1.67	46.08	-258.79	26.21	-238.92	-75.25
		86	0.62	3.46	-5.03	-2.02	0.46	-4.06	201.59	-140.68	69.84	-8.92	
166.54													
		84	1.37	-0.56	-14.72	-12.99	-2.29	-4.63	652.09	-48.84	511.48	91.77	
280.69													
		40	1.12	-1.19	-12.89	-12.80	-1.28	1.00	497.86	-95.06	497.81	-95.01	-5.28
16	23	85	1.42	3.42	-1.66	3.06	-1.30	-1.30	490.76	-449.60	-449.19	490.35	-19.59
		86	1.23	6.66	-3.07	3.50	0.09	4.56	160.58	-573.55	-522.74	109.77	-
186.33													
		84	2.05	22.04	2.60	20.58	4.06	5.13	189.96	-919.91	-768.54	38.59	-
380.91													
		40	2.00	20.18	1.87	20.16	1.89	-0.63	394.59	-770.92	-751.11	374.79	-
150.63													
16	24	85	0.48	1.39	-1.67	1.39	-1.67	-1.91e-03	38.27	-255.25	-169.94	-47.04	
133.27													
		86	0.87	2.41	-1.62	1.62	-0.82	1.60	300.80	-261.58	-126.32	165.54	-

240.36													
		84	1.78	8.34	0.62	7.92	1.03	1.74	32.04	-973.75	-959.03	17.32	-
120.78													
		40	1.70	7.72	-0.08	7.72	-0.07	0.23	-158.10	-1021.72	-948.13	-231.70	
241.13													
16	25	85	1.00	1.19	-0.25	-0.15	1.09	0.37	364.24	-324.93	-243.65	282.96	-
222.28													
		86	0.82	2.09	-0.83	-0.14	1.41	-1.23	60.14	-443.15	-314.96	-68.05	
219.28													
		84	1.10	1.56	-1.52	-0.67	0.71	-1.37	694.22	111.60	690.99	114.82	43.22
		40	1.54	0.66	-0.71	-0.70	0.65	0.14	1005.06	204.98	707.78	502.26	-
386.62													
16	26	85	0.55	1.54	-2.64	-1.82	0.71	1.66	51.36	-270.19	35.60	-254.43	-69.42
		86	0.63	3.61	-5.15	-2.03	0.49	-4.19	206.36	-137.18	81.47	-12.28	
165.25													
		84	1.41	-0.54	-15.10	-13.33	-2.32	-4.76	662.30	-68.25	500.50	93.55	
303.36													
		40	1.15	-1.24	-13.22	-13.14	-1.32	1.00	510.80	-104.27	510.76	-104.22	5.14
16	27	85	2.46	4.91	-1.14	3.88	-0.12	-2.27	966.20	-709.33	-671.84	928.70	-
247.84													
		86	1.49	8.95	-2.40	4.44	2.12	5.56	-29.81	-875.02	-874.62	-30.21	18.34
		84	1.61	28.77	4.52	26.94	6.36	6.41	482.45	-445.39	-59.65	96.71	-
457.29													
		40	2.70	26.47	3.53	26.39	3.62	-1.38	1404.48	-268.48	44.97	1091.04	-
652.79													
16	28	85	1.62	0.67	-3.52	-1.63	-1.21	2.08	245.81	-808.58	196.41	-759.18	
222.83													
		86	0.74	1.95	-4.91	-1.81	-1.15	-3.41	454.21	93.14	369.26	178.09	-
153.16													
		84	1.39	-2.04	-14.48	-13.00	-3.52	-4.03	105.99	-713.49	-621.45	13.95	
258.75													
		40	2.25	-2.43	-13.03	-12.82	-2.64	1.49	-193.75	-1373.49	-698.09	-869.15	
583.64													
16	29	85	2.52	3.80	-0.30	2.87	0.63	-1.72	1053.55	-668.45	-610.00	995.10	-
311.84													
		86	1.36	6.37	-1.35	3.28	1.73	3.78	-57.44	-833.70	-810.54	-80.60	
132.08													
		84	1.18	21.45	4.07	20.25	5.26	4.39	592.08	-120.47	353.42	118.19	-
336.30													
		40	2.73	19.92	3.14	19.84	3.22	-1.12	1603.65	-6.19	457.74	1139.71	-
729.13													
16	30	85	1.50	1.30	-4.41	-2.64	-0.47	2.64	284.07	-718.60	258.25	-692.78	
158.83													
		86	0.69	2.99	-7.49	-2.96	-1.54	-5.19	438.35	122.70	433.35	127.70	-39.41
		84	1.28	-2.49	-21.81	-19.68	-4.62	-6.04	312.34	-485.30	-208.38	35.42	
379.73													
		40	1.95	-2.86	-19.56	-19.37	-3.04	1.75	20.65	-1126.44	-285.32	-820.47	
507.30													
16	31	85	2.56	4.87	-1.11	3.86	-0.10	-2.24	1029.58	-708.32	-671.75	993.01	-
249.43													
		86	1.50	8.76	-2.63	4.41	1.73	5.54	-28.49	-873.99	-873.75	-28.73	14.37
		84	1.63	28.61	4.49	26.78	6.31	6.38	480.00	-456.04	-72.05	96.01	-
460.41													
		40	2.72	26.33	3.52	26.24	3.60	-1.37	1408.57	-279.79	32.52	1096.25	-
655.56													
16	32	85	1.52	0.70	-3.55	-1.66	-1.20	2.11	248.38	-746.76	196.49	-694.87	
221.23													
		86	0.75	1.75	-5.13	-1.84	-1.54	-3.43	458.61	91.09	370.14	179.57	-
157.13													
		84	1.40	-2.08	-14.64	-13.15	-3.57	-4.06	102.04	-722.64	-633.85	13.25	
255.62													
		40	2.25	-2.44	-13.18	-12.97	-2.66	1.50	-201.33	-1373.14	-710.54	-863.93	
580.87													
16	33	85	2.42	3.84	-0.33	2.90	0.61	-1.75	990.91	-670.20	-610.09	930.79	-
310.24													
		86	1.36	6.56	-1.13	3.31	2.12	3.80	-57.53	-835.97	-811.41	-82.08	
136.05													
		84	1.19	21.61	4.11	20.41	5.31	4.42	597.66	-112.96	365.81	118.89	-
333.17													
		40	2.72	20.06	3.15	19.99	3.23	-1.14	1601.04	3.64	470.19	1134.50	-
726.36													
16	34	85	1.59	1.27	-4.37	-2.62	-0.48	2.61	282.90	-781.83	258.16	-757.09	

160.42													
		86	0.69	3.21	-7.29	-2.93	-1.15	-5.17	436.52	122.17	432.47	126.22	-35.44
		84	1.29	-2.46	-21.64	-19.53	-4.57	-6.01	320.13	-480.00	-195.99	36.12	
382.86													
		40	1.96	-2.85	-19.41	-19.22	-3.03	1.74	30.87	-1129.43	-272.87	-825.69	
510.07													
16	35	85	2.59	4.93	-1.07	3.91	-0.05	-2.25	1021.82	-744.54	-703.13	980.41	-
267.27													
		86	1.57	9.36	-2.89	4.46	2.01	6.00	-18.44	-913.96	-913.39	-19.01	22.64
		84	1.81	30.05	4.48	28.07	6.46	6.84	569.71	-502.00	-23.07	90.78	-
532.82													
		40	2.84	27.61	3.68	27.53	3.76	-1.38	1448.48	-324.93	1.80	1121.75	-
687.51													
16	36	85	1.75	0.60	-3.55	-1.66	-1.28	2.07	281.43	-864.62	227.70	-810.89	
242.26													
		86	0.80	2.45	-5.32	-1.83	-1.04	-3.86	485.78	89.15	408.02	166.90	-
157.46													
		84	1.56	-1.99	-15.77	-14.13	-3.63	-4.46	156.99	-795.15	-658.04	19.88	
334.29													
		40	2.33	-2.60	-14.15	-13.96	-2.79	1.49	-147.03	-1407.76	-654.92	-899.87	
618.35													
16	37	85	2.65	3.83	-0.22	2.90	0.70	-1.70	1109.49	-703.97	-641.29	1046.80	-
331.27													
		86	1.43	6.77	-1.85	3.30	1.63	4.23	-46.25	-872.46	-849.30	-69.41	
136.39													
		84	1.38	22.72	4.03	21.38	5.37	4.82	685.75	-183.49	390.00	112.26	-
411.84													
		40	2.83	21.05	3.29	20.98	3.36	-1.12	1644.73	-59.72	414.57	1170.43	-
763.85													
16	38	85	1.63	1.22	-4.43	-2.67	-0.54	2.62	319.41	-774.36	289.54	-744.49	
178.26													
		86	0.75	3.48	-7.90	-2.98	-1.43	-5.64	477.40	111.21	472.11	116.50	-43.72
		84	1.51	-2.44	-23.09	-20.81	-4.72	-6.47	375.44	-579.06	-244.97	41.35	
455.27													
		40	2.06	-3.02	-20.68	-20.51	-3.19	1.75	75.04	-1168.37	-242.15	-851.19	
542.02													
16	39	85	2.69	4.90	-1.04	3.89	-0.03	-2.23	1085.14	-743.47	-703.04	1044.71	-
268.87													
		86	1.57	9.17	-3.12	4.42	1.62	5.98	-17.15	-912.90	-912.51	-17.54	18.67
		84	1.83	29.89	4.44	27.91	6.42	6.81	566.93	-512.30	-35.46	90.08	-
535.95													
		40	2.86	27.46	3.67	27.38	3.75	-1.37	1452.61	-336.28	-10.65	1126.97	-
690.28													
16	40	85	1.66	0.63	-3.58	-1.69	-1.27	2.09	283.99	-802.78	227.79	-746.58	
240.67													
		86	0.81	2.24	-5.53	-1.86	-1.43	-3.88	489.94	87.34	408.90	168.38	-
161.43													
		84	1.58	-2.03	-15.93	-14.28	-3.67	-4.49	152.45	-803.70	-670.44	19.18	
331.16													
		40	2.33	-2.61	-14.30	-14.10	-2.81	1.50	-155.02	-1406.99	-667.37	-894.65	
615.58													
16	41	85	2.55	3.87	-0.25	2.93	0.69	-1.73	1046.87	-705.76	-641.38	982.50	-
329.68													
		86	1.43	6.97	-1.62	3.33	2.02	4.24	-46.38	-874.68	-850.17	-70.89	
140.35													
		84	1.39	22.89	4.06	21.54	5.41	4.86	691.25	-175.90	402.40	112.95	-
408.71													
		40	2.82	21.20	3.30	21.12	3.38	-1.14	1641.97	-49.74	427.02	1165.21	-
761.08													
16	42	85	1.73	1.20	-4.40	-2.65	-0.55	2.59	318.15	-837.50	289.45	-808.80	
179.86													
		86	0.75	3.70	-7.69	-2.95	-1.04	-5.62	475.62	110.65	471.23	115.03	-39.75
		84	1.52	-2.40	-22.93	-20.66	-4.68	-6.44	383.26	-573.78	-232.58	42.05	
458.40													
		40	2.07	-3.01	-20.53	-20.36	-3.18	1.74	85.42	-1171.53	-229.70	-856.41	
544.79													
16	43	85	0.96	2.87	-1.43	2.59	-1.15	-1.06	231.52	-391.88	-391.43	231.07	-16.65
		86	1.01	5.79	-1.61	2.99	1.19	3.59	124.60	-487.02	-452.96	90.55	-
140.25													
		84	1.62	18.28	2.35	17.16	3.48	4.08	152.31	-718.02	-613.29	47.58	-
283.16													
		40	1.58	16.80	1.54	16.79	1.56	-0.50	320.30	-593.39	-577.39	304.30	-

119.83													
16	44	85	0.41	1.28	-1.40	1.28	-1.40	-0.02	-82.10	-273.15	-184.99	-170.26	95.24
		86	0.72	2.52	-0.60	1.50	0.41	1.46	225.30	-242.48	-157.19	140.01	-
180.62													
		84	1.43	8.04	0.76	7.67	1.13	1.60	44.15	-762.18	-746.02	27.99	-
113.01													
		40	1.36	7.47	0.06	7.47	0.07	0.19	-114.33	-800.88	-753.42	-161.79	
174.15													
16	45	85	1.08	0.97	-0.19	-0.04	0.82	0.39	455.78	-278.21	-228.60	406.18	-
184.25													
		86	0.66	1.17	-1.03	-0.03	0.17	-1.09	36.80	-363.41	-284.09	-42.52	
159.54													
		84	0.75	1.44	-1.24	-0.42	0.61	-1.23	481.32	100.81	477.98	104.15	35.45
		40	1.22	0.54	-0.48	-0.45	0.51	0.18	794.90	150.53	513.07	432.35	-
319.65													
16	46	85	0.25	1.32	-2.11	-1.35	0.57	1.42	64.96	-82.27	-22.16	4.85	-72.37
		86	0.44	2.19	-4.31	-1.51	-0.61	-3.22	128.51	-109.88	11.69	6.94	
119.18													
		84	0.97	-0.30	-11.34	-9.91	-1.74	-3.71	458.35	-28.54	345.26	84.55	
205.61													
		40	0.75	-0.90	-9.85	-9.77	-0.98	0.86	338.81	-35.50	337.04	-33.73	-25.66
16	47	85	0.99	2.88	-1.41	2.60	-1.13	-1.05	244.07	-399.58	-398.87	243.37	-21.27
		86	1.03	5.88	-1.73	2.99	1.16	3.69	126.16	-495.13	-462.18	93.21	-
139.23													
		84	1.64	18.59	2.34	17.43	3.50	4.18	164.14	-722.50	-604.53	46.16	-
301.14													
		40	1.61	17.07	1.57	17.06	1.59	-0.50	329.49	-605.58	-587.69	311.61	-
128.09													
16	48	85	0.42	1.28	-1.42	1.28	-1.42	-0.03	-80.16	-279.94	-177.55	-182.56	99.86
		86	0.71	2.42	-0.48	1.50	0.44	1.35	225.65	-236.28	-147.97	137.34	-
181.64													
		84	1.43	7.74	0.76	7.40	1.10	1.50	40.77	-766.14	-754.78	29.42	-95.03
		40	1.35	7.20	0.03	7.20	0.03	0.19	-116.03	-796.19	-743.12	-169.09	
182.41													
16	49	85	1.11	0.99	-0.19	-0.04	0.84	0.39	469.07	-286.64	-236.04	418.48	-
188.87													
		86	0.67	1.05	-0.93	-0.03	0.14	-0.99	37.97	-371.13	-293.31	-39.85	
160.56													
		84	0.75	1.44	-0.95	-0.15	0.64	-1.13	487.54	101.93	486.75	102.72	17.48
		40	1.24	0.58	-0.22	-0.18	0.54	0.18	800.63	141.80	502.77	439.66	-
327.90													
16	50	85	0.24	1.30	-2.12	-1.36	0.55	1.42	56.76	-78.93	-14.72	-7.45	-67.74
		86	0.44	2.31	-4.41	-1.52	-0.58	-3.33	131.04	-105.86	20.90	4.28	
118.15													
		84	1.00	-0.29	-11.65	-10.18	-1.76	-3.81	467.51	-45.04	336.49	85.98	
223.58													
		40	0.78	-0.94	-10.12	-10.03	-1.02	0.86	348.12	-41.82	347.34	-41.04	-17.40
16	51	85	1.20	2.78	-1.36	2.53	-1.11	-0.98	401.17	-391.76	-391.20	400.60	-21.14
		86	1.04	5.33	-2.26	2.90	0.16	3.54	133.33	-489.51	-450.63	94.45	-
150.67													
		84	1.67	17.84	2.26	16.74	3.36	3.99	152.06	-752.37	-646.04	45.72	-
291.31													
		40	1.64	16.40	1.51	16.39	1.52	-0.46	335.45	-627.47	-610.28	318.26	-
127.53													
16	52	85	0.43	1.22	-1.36	1.22	-1.36	0.05	36.50	-221.98	-184.75	-0.73	90.75
		86	0.75	2.14	-1.33	1.42	-0.61	1.41	237.04	-247.98	-154.86	143.91	-
191.04													
		84	1.49	7.60	0.66	7.25	1.01	1.51	43.98	-796.61	-778.77	26.13	-
121.16													
		40	1.40	7.08	0.03	7.07	0.03	0.22	-107.04	-827.10	-786.31	-147.83	
166.46													
16	53	85	0.85	0.89	-0.09	0.02	0.78	0.32	297.98	-290.18	-228.84	236.65	-
179.76													
		86	0.68	1.82	-0.56	0.05	1.20	-1.04	41.63	-374.48	-286.42	-46.42	
169.96													
		84	0.80	1.57	-0.84	-4.11e-04	0.73	-1.15	515.38	101.36	510.73	106.00	43.60
		40	1.22	0.57	-0.08	-0.05	0.54	0.14	800.58	163.77	545.96	418.40	-
311.95													
16	54	85	0.36	1.24	-2.01	-1.29	0.52	1.35	4.80	-191.87	-22.39	-164.68	-67.88
		86	0.47	2.80	-3.81	-1.43	0.42	-3.17	135.83	-123.44	9.36	3.04	
129.60													
		84	1.02	-0.20	-10.91	-9.49	-1.62	-3.62	490.96	-26.54	378.00	86.41	

213.76													
		40	0.81	-0.87	-9.45	-9.37	-0.95	0.82	370.70	-48.46	369.93	-47.69	-17.96
16	55	85	1.22	2.78	-1.34	2.53	-1.09	-0.98	413.72	-399.46	-398.64	412.90	-25.76
		86	1.05	5.42	-2.38	2.91	0.14	3.64	134.78	-497.51	-459.85	97.12	-
149.65													
		84	1.69	18.15	2.25	17.01	3.38	4.09	163.73	-756.70	-637.28	44.30	-
309.29													
		40	1.68	16.67	1.54	16.66	1.56	-0.46	344.66	-639.68	-620.58	325.56	-
135.78													
16	56	85	0.42	1.21	-1.38	1.21	-1.38	0.05	30.70	-221.04	-177.31	-13.03	95.37
		86	0.74	2.06	-1.23	1.41	-0.59	1.30	237.52	-241.91	-145.64	141.25	-
192.06													
		84	1.48	7.30	0.67	6.99	0.98	1.41	40.42	-800.39	-787.53	27.56	-
103.19													
		40	1.39	6.81	-9.93e-03	6.80	-2.56e-03	0.22	-109.35	-821.80	-776.01	-155.14	
174.72													
16	57	85	0.88	0.91	-0.09	0.03	0.79	0.32	311.06	-298.39	-236.28	248.94	-
184.38													
		86	0.69	1.70	-0.48	0.06	1.17	-0.94	42.66	-382.06	-295.64	-43.76	
170.98													
		84	0.80	1.58	-0.56	0.27	0.76	-1.04	521.07	103.00	519.50	104.58	25.63
		40	1.23	0.62	0.17	0.22	0.57	0.14	805.57	155.79	535.66	425.70	-
320.21													
16	58	85	0.37	1.22	-2.01	-1.29	0.51	1.35	6.82	-198.75	-14.95	-176.98	-63.26
		86	0.47	2.92	-3.91	-1.43	0.44	-3.28	138.37	-119.42	18.57	0.37	
128.57													
		84	1.05	-0.19	-11.21	-9.76	-1.64	-3.73	499.64	-42.57	369.24	87.84	
231.73													
		40	0.84	-0.91	-9.71	-9.64	-0.98	0.82	380.44	-55.21	380.23	-55.00	-9.71
16	59	85	2.05	3.95	-0.92	3.20	-0.16	-1.76	791.57	-606.30	-575.30	760.58	-
205.84													
		86	1.27	7.24	-1.84	3.66	1.74	4.43	-13.54	-739.12	-738.93	-13.73	11.77
		84	1.33	23.51	3.79	22.08	5.21	5.11	386.31	-372.57	-76.50	90.24	-
370.16													
		40	2.23	21.68	2.86	21.62	2.92	-1.06	1143.26	-240.73	9.64	892.88	-
532.75													
16	60	85	1.20	0.60	-2.78	-1.17	-1.01	1.69	151.20	-615.53	112.86	-577.19	
167.11													
		86	0.55	1.61	-3.74	-1.28	-0.85	-2.66	330.87	67.26	246.99	151.14	-
122.78													
		84	1.13	-1.40	-10.77	-9.55	-2.62	-3.15	88.81	-582.80	-518.92	24.93	
197.02													
		40	1.74	-1.84	-9.63	-9.43	-2.04	1.22	-169.78	-1068.09	-577.13	-660.73	
447.21													
16	61	85	2.09	3.07	-0.24	2.41	0.43	-1.33	860.41	-573.75	-526.45	813.11	-
256.12													
		86	1.16	5.19	-1.01	2.76	1.43	3.03	-37.75	-704.17	-688.27	-53.65	
101.71													
		84	0.92	17.73	3.43	16.81	4.36	3.52	462.87	-104.78	250.89	107.20	-
274.58													
		40	2.22	16.51	2.56	16.45	2.61	-0.85	1297.10	-29.03	336.78	931.30	-
592.70													
16	62	85	1.10	1.07	-3.45	-1.96	-0.42	2.13	181.05	-544.00	161.71	-524.66	
116.83													
		86	0.47	2.43	-5.77	-2.19	-1.16	-4.07	303.27	105.61	297.65	111.22	-32.85
		84	1.00	-1.75	-16.55	-14.83	-3.47	-4.74	240.21	-389.85	-191.54	41.90	
292.61													
		40	1.49	-2.19	-14.77	-14.60	-2.35	1.42	-6.47	-865.84	-249.99	-622.32	
387.26													
16	63	85	2.13	3.92	-0.89	3.18	-0.15	-1.74	841.73	-605.52	-575.23	811.44	-
207.19													
		86	1.27	7.09	-2.02	3.64	1.43	4.42	-12.46	-738.33	-738.23	-12.56	8.64
		84	1.34	23.38	3.76	21.96	5.18	5.08	384.54	-381.18	-86.32	89.68	-
372.61													
		40	2.24	21.56	2.86	21.51	2.91	-1.05	1146.69	-249.85	-0.23	897.07	-
535.06													
16	64	85	1.12	0.62	-2.81	-1.19	-1.00	1.71	153.35	-566.76	112.93	-526.33	
165.76													
		86	0.56	1.45	-3.91	-1.31	-1.16	-2.68	334.64	65.36	247.69	152.31	-
125.91													
		84	1.14	-1.43	-10.90	-9.68	-2.65	-3.18	85.97	-590.34	-528.75	24.38	
194.58													

		40	1.74	-1.85	-9.75	-9.55	-2.05	1.23	-175.52	-1068.03	-586.99	-656.55	444.90
16	65	85	2.02	3.10	-0.26	2.43	0.41	-1.35	810.79	-575.06	-526.52	762.25	-254.78
		86	1.16	5.35	-0.83	2.78	1.74	3.04	-37.94	-705.85	-688.97	-54.82	104.84
		84	0.93	17.86	3.46	16.93	4.39	3.54	466.91	-98.44	260.71	107.76	-272.13
		40	2.21	16.63	2.57	16.57	2.62	-0.87	1294.75	-20.99	346.64	927.11	-590.39
16	66	85	1.18	1.05	-3.42	-1.94	-0.43	2.10	180.12	-594.00	161.64	-575.52	118.18
		86	0.47	2.60	-5.61	-2.16	-0.85	-4.05	301.57	105.44	296.95	110.05	-29.72
		84	1.00	-1.72	-16.42	-14.70	-3.44	-4.72	246.00	-385.26	-181.72	42.46	295.06
		40	1.50	-2.18	-14.65	-14.48	-2.34	1.41	1.53	-868.16	-240.12	-626.51	389.57
16	67	85	2.16	3.97	-0.86	3.22	-0.11	-1.75	835.66	-634.19	-600.10	801.57	-221.24
		86	1.33	7.56	-2.23	3.68	1.65	4.79	-4.54	-769.95	-769.65	-4.84	15.18
		84	1.48	24.52	3.75	22.97	5.30	5.45	454.27	-416.06	-47.28	85.49	-430.07
		40	2.34	22.58	2.98	22.52	3.04	-1.06	1178.20	-285.65	-24.69	917.24	-560.27
16	68	85	1.30	0.55	-2.81	-1.19	-1.07	1.68	179.42	-659.95	137.66	-618.18	182.51
		86	0.59	2.00	-4.06	-1.30	-0.76	-3.02	353.20	66.77	277.72	142.25	-126.19
		84	1.26	-1.36	-11.79	-10.45	-2.70	-3.49	127.40	-645.86	-548.14	29.68	256.93
		40	1.80	-1.98	-10.51	-10.33	-2.15	1.22	-133.91	-1093.97	-542.80	-685.09	474.73
16	69	85	2.20	3.09	-0.18	2.43	0.48	-1.31	904.74	-601.89	-551.25	854.10	-271.52
		86	1.22	5.52	-1.40	2.77	1.35	3.38	-28.76	-735.00	-718.99	-44.76	105.11
		84	1.09	18.74	3.40	17.70	4.44	3.86	537.36	-154.80	280.10	102.46	-334.49
		40	2.30	17.40	2.68	17.35	2.73	-0.85	1330.01	-71.91	302.45	955.65	-620.22
16	70	85	1.20	1.01	-3.47	-1.98	-0.48	2.11	209.08	-588.22	186.51	-565.65	132.23
		86	0.52	2.82	-6.09	-2.20	-1.07	-4.42	334.05	96.66	328.38	102.33	-36.25
		84	1.18	-1.71	-17.57	-15.72	-3.56	-5.09	289.97	-464.08	-220.76	46.64	352.52
		40	1.57	-2.32	-15.66	-15.50	-2.47	1.42	36.26	-898.59	-215.66	-646.67	414.78
16	71	85	2.23	3.94	-0.83	3.20	-0.10	-1.72	885.77	-633.37	-600.03	852.43	-222.59
		86	1.33	7.41	-2.41	3.65	1.35	4.77	-3.48	-769.14	-768.95	-3.67	12.05
		84	1.49	24.39	3.72	22.85	5.26	5.43	452.23	-424.39	-57.10	84.94	-432.52
		40	2.36	22.46	2.98	22.40	3.03	-1.05	1181.66	-294.79	-34.56	921.42	-562.58
16	72	85	1.22	0.57	-2.83	-1.21	-1.05	1.70	181.55	-611.15	137.73	-567.32	181.16
		86	0.60	1.84	-4.23	-1.32	-1.07	-3.03	356.79	65.05	278.41	143.42	-129.32
		84	1.28	-1.39	-11.92	-10.57	-2.73	-3.52	124.07	-652.92	-557.96	29.12	254.49
		40	1.80	-1.99	-10.63	-10.45	-2.16	1.23	-140.03	-1093.53	-552.66	-680.90	472.42
16	73	85	2.13	3.12	-0.20	2.45	0.47	-1.33	855.14	-603.22	-551.32	803.24	-270.18
		86	1.22	5.67	-1.22	2.80	1.66	3.40	-28.97	-736.65	-719.69	-45.93	108.24
		84	1.09	18.87	3.43	17.83	4.47	3.88	541.42	-148.47	289.93	103.02	-332.04
		40	2.30	17.52	2.69	17.47	2.74	-0.87	1327.55	-63.77	312.31	951.47	-617.91
16	74	85	1.28	0.99	-3.44	-1.96	-0.49	2.09	208.08	-638.15	186.44	-616.51	133.58

		86	0.52	2.99	-5.93	-2.18	-0.76	-4.41	332.42	96.42	327.68	101.16	-33.13
		84	1.19	-1.68	-17.43	-15.59	-3.52	-5.06	295.84	-459.57	-210.93	47.20	
354.96													
		40	1.58	-2.31	-15.54	-15.38	-2.46	1.41	44.42	-901.07	-205.79	-650.86	
417.09													
16	75	85	0.88	2.46	-1.21	2.26	-1.00	-0.85	212.19	-360.19	-359.40	211.40	-21.27
		86	0.91	4.92	-1.28	2.60	1.03	3.00	109.86	-439.21	-412.64	83.29	-
117.82													
		84	1.40	15.73	2.11	14.82	3.03	3.40	137.69	-616.97	-530.07	50.79	-
240.89													
		40	1.38	14.50	1.32	14.49	1.34	-0.38	290.63	-513.75	-498.01	274.90	-
111.39													
16	76	85	0.36	1.17	-1.21	1.17	-1.21	0.01	-75.51	-233.54	-188.79	-120.26	71.20
		86	0.64	2.22	-0.45	1.37	0.39	1.24	188.31	-232.34	-168.21	124.17	-
151.21													
		84	1.25	7.28	0.79	6.98	1.08	1.36	49.19	-654.40	-639.81	34.60	-
100.26													
		40	1.17	6.79	0.10	6.79	0.11	0.18	-79.59	-674.21	-643.52	-110.28	
131.56													
16	77	85	0.97	0.80	-0.10	0.07	0.63	0.36	397.43	-266.05	-224.80	356.18	-
160.21													
		86	0.59	1.02	-0.73	0.10	0.19	-0.87	29.32	-329.07	-273.07	-26.68	
130.13													
		84	0.56	1.47	-0.54	0.27	0.65	-0.99	373.64	95.67	371.77	97.54	22.71
		40	1.03	0.57	0.13	0.23	0.47	0.18	669.29	114.73	403.17	380.85	-
277.06													
16	78	85	0.25	1.11	-1.71	-1.02	0.42	1.21	63.51	-93.18	-54.19	24.52	-67.74
		86	0.36	1.86	-3.44	-1.13	-0.45	-2.63	91.86	-106.30	-28.63	14.20	96.74
		84	0.75	-0.06	-8.80	-7.57	-1.29	-3.04	358.35	-14.96	262.04	81.35	
163.33													
		40	0.56	-0.68	-7.55	-7.47	-0.76	0.75	262.03	-8.70	257.66	-4.33	-34.10
16	79	85	0.91	2.47	-1.19	2.26	-0.99	-0.84	222.63	-366.62	-365.55	221.56	-25.09
		86	0.92	5.00	-1.38	2.60	1.01	3.09	111.24	-446.00	-420.26	85.50	-
116.97													
		84	1.41	15.98	2.11	15.04	3.05	3.49	147.22	-620.44	-522.84	49.61	-
255.74													
		40	1.41	14.72	1.35	14.71	1.36	-0.38	298.30	-523.89	-506.52	280.93	-
118.22													
16	80	85	0.36	1.17	-1.22	1.17	-1.22	6.69e-03	-77.10	-235.96	-182.64	-130.43	75.02
		86	0.63	2.14	-0.35	1.37	0.41	1.15	188.25	-226.87	-160.59	121.97	-
152.05													
		84	1.25	7.03	0.79	6.76	1.06	1.27	46.29	-657.57	-647.05	35.77	-85.41
		40	1.15	6.57	0.07	6.57	0.08	0.18	-81.71	-669.62	-635.01	-116.32	
138.39													
16	81	85	0.99	0.81	-0.10	0.07	0.64	0.36	408.43	-273.03	-230.95	366.35	-
164.03													
		86	0.60	0.92	-0.65	0.10	0.17	-0.79	30.63	-335.79	-280.68	-24.48	
130.98													
		84	0.57	1.50	-0.32	0.50	0.68	-0.91	379.23	96.15	379.01	96.37	7.85
		40	1.05	0.66	0.29	0.45	0.50	0.18	674.68	106.87	394.66	386.88	-
283.88													
16	82	85	0.23	1.09	-1.71	-1.02	0.40	1.21	54.29	-87.97	-48.04	14.36	-63.92
		86	0.36	1.96	-3.52	-1.13	-0.43	-2.72	92.79	-101.82	-21.02	11.99	95.90
		84	0.78	-0.05	-9.05	-7.79	-1.31	-3.12	366.58	-29.25	254.80	82.52	
178.19													
		40	0.58	-0.71	-7.77	-7.69	-0.79	0.75	268.84	-13.03	266.17	-10.37	-27.28
16	83	85	1.07	2.38	-1.15	2.20	-0.97	-0.78	352.45	-360.08	-359.20	351.58	-24.99
		86	0.92	4.54	-1.82	2.53	0.19	2.96	116.81	-441.01	-410.71	86.52	-
126.41													
		84	1.44	15.37	2.04	14.48	2.93	3.33	137.51	-645.40	-557.14	49.25	-
247.60													
		40	1.43	14.17	1.30	14.16	1.31	-0.35	303.15	-541.93	-525.19	286.41	-
117.75													
16	84	85	0.41	1.12	-1.18	1.12	-1.17	0.07	39.85	-208.53	-188.59	19.91	67.48
		86	0.67	1.91	-1.06	1.30	-0.46	1.20	197.58	-236.47	-166.28	127.40	-
159.80													
		84	1.29	6.91	0.71	6.63	0.99	1.28	49.05	-682.86	-666.87	33.06	-
106.98													
		40	1.21	6.47	0.07	6.46	0.08	0.22	-72.56	-696.90	-670.70	-98.76	
125.20													
16	85	85	0.78	0.73	-0.02	0.12	0.59	0.29	265.89	-274.89	-225.00	216.00	-
156.49													

		86	0.61	1.54	-0.33	0.17	1.04	-0.83	32.65	-337.55	-274.99	-29.91	
138.73													
		84	0.61	1.61	-0.23	0.62	0.75	-0.92	401.70	96.22	398.83	99.08	29.42
		40	1.03	0.68	0.37	0.56	0.50	0.15	672.24	127.43	430.34	369.33	-
270.69													
16	86	85	0.28	1.04	-1.62	-0.96	0.38	1.15	-14.05	-156.00	-54.39	-115.66	-64.02
		86	0.38	2.36	-3.02	-1.06	0.40	-2.59	97.57	-117.16	-30.56	10.97	
105.34													
		84	0.79	0.03	-8.44	-7.22	-1.19	-2.97	384.86	-12.88	289.10	82.88	
170.05													
		40	0.61	-0.66	-7.22	-7.14	-0.73	0.71	287.38	-18.39	284.84	-15.85	-27.74
16	87	85	1.10	2.39	-1.13	2.20	-0.95	-0.78	362.88	-366.49	-365.35	361.74	-28.81
		86	0.94	4.62	-1.92	2.53	0.16	3.04	118.11	-447.72	-418.33	88.72	-
125.57													
		84	1.46	15.62	2.03	14.70	2.95	3.42	146.93	-648.75	-549.90	48.08	-
262.46													
		40	1.46	14.39	1.33	14.38	1.34	-0.35	310.83	-552.08	-533.70	292.45	-
124.58													
16	88	85	0.40	1.11	-1.19	1.11	-1.19	0.07	33.31	-206.01	-182.45	9.75	71.30
		86	0.66	1.84	-0.98	1.30	-0.44	1.11	197.63	-231.10	-158.67	125.19	-
160.65													
		84	1.29	6.66	0.71	6.41	0.97	1.20	46.02	-685.89	-674.11	34.24	-92.12
		40	1.19	6.25	0.04	6.24	0.05	0.22	-75.11	-691.88	-662.18	-104.80	
132.03													
16	89	85	0.81	0.75	-0.01	0.13	0.61	0.30	276.77	-281.74	-231.15	226.17	-
160.31													
		86	0.62	1.45	-0.26	0.17	1.02	-0.74	33.85	-344.17	-282.61	-27.70	
139.57													
		84	0.62	1.64	-0.03	0.84	0.77	-0.83	406.76	97.21	406.07	97.90	14.57
		40	1.05	0.85	0.46	0.78	0.52	0.15	677.09	120.11	421.83	375.37	-
277.52													
16	90	85	0.28	1.03	-1.62	-0.96	0.37	1.15	-15.41	-158.65	-48.24	-125.82	-60.21
		86	0.38	2.46	-3.10	-1.06	0.42	-2.68	98.60	-112.78	-22.94	8.77	
104.49													
		84	0.82	0.04	-8.69	-7.45	-1.21	-3.05	392.65	-26.73	281.86	84.06	
184.90													
		40	0.63	-0.69	-7.44	-7.36	-0.76	0.71	294.73	-23.27	293.35	-21.89	-20.91
16	91	85	1.78	3.33	-0.76	2.75	-0.19	-1.42	675.64	-537.96	-511.33	649.01	-
177.78													
		86	1.12	6.11	-1.47	3.15	1.49	3.70	-2.79	-649.06	-648.96	-2.89	7.92
		84	1.14	20.04	3.30	18.88	4.46	4.25	324.19	-324.55	-86.41	86.04	-
312.70													
		40	1.91	18.53	2.42	18.48	2.47	-0.84	969.99	-221.47	-12.84	761.35	-
452.83													
16	92	85	0.92	0.56	-2.30	-0.86	-0.89	1.43	88.58	-487.75	57.36	-456.53	
130.45													
		86	0.43	1.38	-2.97	-0.93	-0.65	-2.17	254.24	44.94	165.81	133.37	-
103.39													
		84	0.96	-0.96	-8.31	-7.26	-2.01	-2.57	78.01	-498.12	-452.18	32.07	
156.07													
		40	1.41	-1.45	-7.37	-7.19	-1.63	1.04	-152.97	-867.46	-497.86	-522.57	
357.03													
16	93	85	1.82	2.59	-0.19	2.10	0.30	-1.06	732.47	-510.98	-470.96	692.45	-
219.46													
		86	1.03	4.42	-0.78	2.40	1.23	2.53	-24.26	-618.71	-607.09	-35.88	82.31
		84	0.76	15.27	3.00	14.52	3.75	2.94	379.48	-95.26	184.15	100.07	-
233.62													
		40	1.88	14.24	2.17	14.21	2.21	-0.67	1094.76	-44.11	257.51	793.14	-
502.52													
16	94	85	0.83	0.92	-2.83	-1.51	-0.40	1.79	112.73	-428.08	97.74	-413.10	88.77
		86	0.33	2.06	-4.65	-1.68	-0.90	-3.33	215.02	93.04	207.69	100.38	-29.00
		84	0.82	-1.26	-13.09	-11.63	-2.72	-3.89	193.49	-329.03	-181.63	46.09	
235.14													
		40	1.19	-1.74	-11.61	-11.46	-1.89	1.21	-24.81	-693.49	-227.51	-490.79	
307.33													
16	95	85	1.84	3.30	-0.74	2.74	-0.18	-1.41	717.12	-537.33	-511.28	691.07	-
178.90													
		86	1.12	5.99	-1.62	3.13	1.23	3.68	-1.88	-648.43	-648.38	-1.92	5.35
		84	1.15	19.93	3.28	18.78	4.43	4.23	322.87	-331.82	-94.53	85.58	-
314.71													
		40	1.93	18.43	2.41	18.38	2.46	-0.83	972.87	-229.05	-20.99	764.81	-
454.73													

16	96	85	0.86	0.57	-2.32	-0.87	-0.87	1.45	90.55	-447.60	57.42	-414.48	129.33
		86	0.44	1.25	-3.11	-0.95	-0.91	-2.18	257.53	43.20	166.39	134.34	-105.96
		84	0.97	-0.99	-8.42	-7.37	-2.04	-2.59	75.87	-504.56	-460.30	31.61	154.05
		40	1.41	-1.45	-7.47	-7.28	-1.64	1.05	-157.38	-867.75	-506.02	-519.12	355.12
16	97	85	1.76	2.62	-0.21	2.11	0.29	-1.08	691.41	-512.03	-471.01	650.40	-218.35
		86	1.03	4.55	-0.63	2.43	1.49	2.55	-24.49	-620.02	-607.67	-36.85	84.89
		84	0.76	15.38	3.02	14.62	3.78	2.96	382.50	-89.70	192.27	100.53	-231.60
		40	1.88	14.34	2.18	14.30	2.21	-0.68	1092.71	-37.36	265.67	789.68	-500.62
16	98	85	0.90	0.90	-2.80	-1.50	-0.41	1.77	111.93	-469.40	97.69	-455.15	89.88
		86	0.32	2.20	-4.51	-1.66	-0.65	-3.32	213.24	93.28	207.11	99.41	-26.42
		84	0.82	-1.24	-12.98	-11.52	-2.69	-3.87	197.96	-324.92	-173.51	46.55	237.16
		40	1.19	-1.74	-11.51	-11.36	-1.89	1.20	-18.39	-695.21	-219.36	-494.24	309.24
16	99	85	1.87	3.34	-0.71	2.77	-0.14	-1.41	712.07	-561.01	-531.83	682.89	-190.51
		86	1.17	6.38	-1.79	3.17	1.42	3.99	4.63	-674.52	-674.35	4.46	10.74
		84	1.26	20.88	3.27	19.62	4.53	4.54	379.25	-359.41	-62.28	82.13	-362.20
		40	2.01	19.27	2.52	19.23	2.56	-0.84	998.92	-258.65	-41.21	781.48	-475.57
16	100	85	1.00	0.51	-2.32	-0.88	-0.93	1.42	111.90	-524.44	77.86	-490.41	143.18
		86	0.46	1.71	-3.23	-0.94	-0.58	-2.46	269.70	47.53	191.20	126.03	-106.20
		84	1.07	-0.93	-9.15	-8.00	-2.08	-2.85	108.27	-548.60	-476.31	35.98	205.57
		40	1.46	-1.56	-8.10	-7.93	-1.73	1.04	-124.56	-887.63	-469.50	-542.70	379.78
16	101	85	1.90	2.61	-0.14	2.12	0.35	-1.05	769.09	-534.22	-491.45	726.32	-232.19
		86	1.08	4.69	-1.11	2.42	1.16	2.83	-16.77	-644.25	-632.48	-28.54	85.12
		84	0.92	16.10	2.97	15.26	3.82	3.22	440.84	-136.41	208.28	96.15	-283.13
		40	1.95	14.98	2.27	14.95	2.30	-0.67	1122.21	-79.80	229.14	813.26	-525.27
16	102	85	0.92	0.87	-2.85	-1.53	-0.44	1.78	135.91	-464.65	118.24	-446.97	101.50
		86	0.37	2.38	-4.91	-1.69	-0.83	-3.62	239.96	86.15	233.08	93.03	-31.81
		84	0.97	-1.23	-13.93	-12.37	-2.79	-4.17	234.18	-389.93	-205.76	50.01	284.65
		40	1.25	-1.85	-12.35	-12.21	-1.99	1.21	10.01	-720.06	-199.14	-510.91	330.08
16	103	85	1.93	3.32	-0.69	2.75	-0.13	-1.39	753.51	-560.34	-531.77	724.94	-191.62
		86	1.17	6.25	-1.94	3.15	1.16	3.98	5.52	-673.87	-673.77	5.42	8.16
		84	1.27	20.77	3.25	19.52	4.50	4.52	377.70	-366.44	-70.40	81.67	-364.22
		40	2.03	19.17	2.51	19.13	2.56	-0.83	1001.82	-266.25	-49.36	784.93	-477.48
16	104	85	0.94	0.53	-2.34	-0.89	-0.92	1.44	113.82	-484.25	77.92	-448.35	142.06
		86	0.47	1.57	-3.38	-0.97	-0.84	-2.47	272.89	45.89	191.78	126.99	-108.78
		84	1.08	-0.95	-9.26	-8.10	-2.11	-2.88	105.73	-554.64	-484.43	35.52	203.56
		40	1.46	-1.57	-8.20	-8.03	-1.74	1.05	-129.32	-887.57	-477.65	-539.24	377.87
16	105	85	1.84	2.63	-0.16	2.13	0.34	-1.07	728.05	-535.29	-491.51	684.27	-231.07
		86	1.07	4.81	-0.96	2.44	1.42	2.84	-17.02	-645.54	-633.06	-29.50	87.70
		84	0.91	16.21	3.00	15.36	3.85	3.24	443.92	-130.92	216.39	96.61	-281.11
		40	1.95	15.08	2.28	15.05	2.31	-0.68	1120.08	-72.98	237.30	809.81	-523.36

16	106	85	0.98	0.85	-2.82	-1.51	-0.45	1.76	135.05	-505.90	118.18	-489.03	102.61
		86	0.37	2.53	-4.78	-1.67	-0.58	-3.61	238.34	86.22	232.50	92.07	-29.24
		84	0.97	-1.20	-13.82	-12.26	-2.76	-4.15	238.77	-385.94	-197.64	50.47	286.66
		40	1.26	-1.84	-12.25	-12.11	-1.98	1.20	16.59	-721.94	-190.99	-514.37	331.99
25	1	79	0.26	-0.06	-0.20	-0.19	-0.07	-0.04	48.88	-122.23	-120.09	46.74	19.01
		29	0.26	0.14	-0.15	-0.14	0.14	-0.04	56.27	-118.22	-118.19	56.25	-2.05
		68	0.33	0.28	0.20	0.26	0.22	-0.04	45.52	-171.91	-171.89	45.51	1.83
		90	0.33	0.22	1.97e-03	0.21	7.87e-03	-0.04	38.47	-176.26	-173.79	36.00	22.89
25	2	79	0.77	2.29	0.32	2.29	0.32	0.05	79.54	-398.10	-394.02	75.46	43.95
		29	0.83	2.28	0.23	2.27	0.23	0.05	161.00	-378.52	-377.18	159.66	26.81
		68	0.90	1.55	0.08	1.55	0.08	0.05	157.38	-427.38	-420.91	150.92	61.16
		90	0.85	1.56	0.17	1.56	0.17	0.05	78.59	-449.62	-437.75	66.72	78.30
25	3	79	0.19	-0.06	-0.20	-0.19	-0.06	-0.03	37.02	-88.82	-87.21	35.41	14.15
		29	0.19	0.11	-0.16	-0.16	0.10	-0.03	41.35	-86.06	-86.03	41.32	-2.12
		68	0.25	0.20	0.14	0.17	0.17	-0.03	33.02	-127.53	-127.53	33.02	0.29
		90	0.25	0.14	-2.91e-03	0.14	2.94e-03	-0.03	28.85	-130.45	-128.71	27.11	16.56
25	4	79	0.71	2.29	0.33	2.29	0.33	0.06	67.70	-364.70	-361.14	64.14	39.10
		29	0.76	2.26	0.20	2.26	0.20	0.06	146.18	-346.48	-345.02	144.73	26.73
		68	0.81	1.46	0.03	1.46	0.04	0.06	145.24	-383.35	-376.54	138.42	59.62
		90	0.76	1.49	0.17	1.49	0.17	0.06	69.05	-403.88	-392.66	57.83	71.98
25	5	79	0.19	-0.05	-0.17	-0.16	-0.06	-0.03	37.35	-91.76	-90.13	35.72	14.42
		29	0.20	0.11	-0.13	-0.13	0.11	-0.03	42.45	-88.82	-88.79	42.42	-1.81
		68	0.25	0.21	0.15	0.19	0.17	-0.03	34.15	-130.19	-130.18	34.14	0.92
		90	0.25	0.16	-3.63e-04	0.15	4.70e-03	-0.03	29.27	-133.35	-131.52	27.44	17.15
25	6	79	0.54	1.49	0.20	1.49	0.20	0.03	57.78	-275.67	-272.75	54.87	31.05
		29	0.58	1.48	0.17	1.48	0.17	0.03	112.17	-262.27	-261.45	111.36	17.42
		68	0.63	1.05	0.08	1.05	0.08	0.03	108.46	-300.24	-296.19	104.41	40.47
		90	0.59	1.05	0.11	1.05	0.11	0.03	55.97	-315.54	-307.49	47.92	54.10
25	7	79	0.19	-0.05	-0.17	-0.16	-0.06	-0.03	37.35	-91.76	-90.13	35.72	14.42
		29	0.20	0.11	-0.13	-0.13	0.11	-0.03	42.45	-88.82	-88.79	42.42	-1.81
		68	0.25	0.21	0.15	0.19	0.17	-0.03	34.15	-130.19	-130.18	34.14	0.92
		90	0.25	0.16	-3.63e-04	0.15	4.70e-03	-0.03	29.27	-133.35	-131.52	27.44	17.15
25	8	79	0.43	0.99	0.12	0.99	0.12	0.01	51.64	-220.48	-217.97	49.12	26.06
		29	0.46	1.00	0.15	1.00	0.15	0.01	91.13	-210.11	-209.65	90.68	11.65
		68	0.51	0.79	0.11	0.79	0.11	0.01	85.80	-248.85	-246.39	83.33	28.61
		90	0.49	0.78	0.08	0.78	0.08	0.01	47.89	-260.81	-254.70	41.78	43.01
25	9	79	0.19	-0.05	-0.17	-0.16	-0.06	-0.03	37.35	-91.76	-90.13	35.72	14.42
		29	0.20	0.11	-0.13	-0.13	0.11	-0.03	42.45	-88.82	-88.79	42.42	-1.81
		68	0.25	0.21	0.15	0.19	0.17	-0.03	34.15	-130.19	-130.18	34.14	0.92
		90	0.25	0.16	-3.63e-04	0.15	4.70e-03	-0.03	29.27	-133.35	-131.52	27.44	17.15
25	10	79	0.40	0.83	0.10	0.83	0.10	6.28e-03	49.60	-202.09	-199.70	47.21	24.40
		29	0.42	0.84	0.14	0.84	0.14	6.28e-03	84.13	-192.73	-192.39	83.78	9.73
		68	0.48	0.70	0.12	0.70	0.12	6.28e-03	78.28	-231.76	-229.79	76.30	24.65
		90	0.46	0.69	0.07	0.69	0.07	6.28e-03	45.20	-242.58	-237.10	39.73	39.32
25	11	79	0.29	1.10	-5.66	-2.91	-1.65	-3.32	177.91	125.01	135.71	167.21	-21.25
		29	0.48	2.24	-2.77	-2.77	2.24	-0.03	126.29	-167.19	96.60	-137.50	-88.49
		68	0.52	5.78	2.67	4.64	3.81	1.50	-22.96	-277.48	-190.33	-110.11	-120.77
		90	0.52	4.49	0.24	4.12	0.61	-1.20	122.72	-216.72	-169.49	75.49	-117.48
25	12	79	0.37	-0.16	-6.89	-6.46	-0.59	-1.64	150.50	-85.20	73.95	-8.65	-110.38
		29	0.80	0.84	-5.85	-5.84	0.82	-0.29	241.15	-265.29	182.06	-206.20	-162.58
		68	0.53	2.66	1.38	2.61	1.43	0.25	34.93	-289.08	-84.69	-169.46	-156.36
		90	0.54	3.66	-0.67	2.53	0.45	-1.90	71.30	-256.39	-93.95	-91.15	-163.84
25	13	79	1.09	8.47	0.43	8.12	0.78	1.65	144.10	-514.38	-473.35	103.07	159.17
		29	1.58	7.52	-0.55	7.51	-0.54	0.30	407.77	-600.84	-566.84	373.77	182.04
		68	1.17	-0.96	-1.44	-1.20	-1.20	-0.24	378.23	-431.05	-374.88	322.07	205.66
		90	1.12	1.23	-2.68	-1.15	-0.31	1.91	262.13	-471.79	-380.26	170.60	242.48
25	14	79	0.91	6.81	-0.39	4.57	1.84	3.33	-62.42	-545.50	-535.12	-72.80	70.04
		29	1.28	4.44	-1.95	4.44	-1.95	0.05	319.62	-495.93	-481.38	305.07	107.95

		68	0.94	-1.91	-4.91	-3.24	-3.58	-1.49	312.44	-318.97	-269.24	262.71
170.08												
		90	0.82	0.06	-3.26	-2.74	-0.47	1.21	99.20	-399.95	-304.72	3.97
196.12												
25	15	79	0.28	1.39	-5.64	-2.50	-1.75	-3.49	173.79	54.77	59.76	168.79-23.86
		29	0.56	2.29	-2.38	-2.38	2.29	-0.03	94.33	-240.80	73.17	-219.65-81.50
		68	0.54	5.93	2.71	4.69	3.96	1.57	-70.71	-305.44	-193.12	-183.03 -
117.26												
		90	0.51	5.04	-0.30	4.13	0.61	-2.01	126.82	-211.79	-167.19	82.23 -
114.51												
25	16	79	0.46	-0.17	-7.20	-6.88	-0.49	-1.47	204.09	-64.42	149.90	-10.23 -
107.77												
		29	0.76	0.78	-6.24	-6.22	0.77	-0.29	277.16	-195.73	205.49	-124.06 -
169.57												
		68	0.50	2.59	1.26	2.56	1.29	0.19	70.83	-249.26	-81.90	-96.53 -
159.88												
		90	0.53	2.99	-0.02	2.53	0.45	-1.09	69.75	-263.88	-96.24	-97.89 -
166.82												
25	17	79	1.22	8.81	0.41	8.54	0.68	1.48	140.20	-584.86	-549.31	104.65
156.56												
		29	1.53	7.91	-0.50	7.90	-0.49	0.31	330.44	-629.08	-590.27	291.63
189.03												
		68	1.09	-0.93	-1.29	-1.16	-1.06	-0.17	312.54	-441.07	-377.68	249.14
209.18												
		90	1.11	0.46	-1.90	-1.14	-0.31	1.10	270.29	-470.91	-377.97	177.35
245.45												
25	18	79	0.78	6.72	-0.63	4.15	1.95	3.51	-61.12	-472.43	-459.17	-74.38 72.65
		29	1.34	4.05	-2.01	4.05	-2.01	0.04	399.11	-469.84	-457.95	387.22
100.96												
		68	1.03	-1.93	-5.08	-3.28	-3.73	-1.56	378.65	-309.46	-266.45	335.64
166.56												
		90	0.83	0.71	-3.92	-2.74	-0.47	2.02	90.96	-400.75	-307.01	-2.77
193.14												
25	19	79	0.27	1.17	-5.76	-2.93	-1.66	-3.41	172.38	101.54	111.30	162.63-24.42
		29	0.47	2.27	-2.76	-2.76	2.27	-3.52e-03	97.95	-179.08	73.16	-154.29-79.08
		68	0.54	5.81	2.66	4.58	3.90	1.54	-34.13	-291.47	-199.01	-126.60 -
123.47												
		90	0.54	4.41	0.12	4.01	0.52	-1.25	135.34	-223.33	-166.30	78.32 -
131.15												
25	20	79	0.38	-0.13	-6.95	-6.48	-0.60	-1.73	135.95	-99.66	49.53	-13.24 -
113.54												
		29	0.78	0.87	-5.84	-5.83	0.86	-0.26	212.49	-276.86	158.61	-222.99 -
153.17												
		68	0.55	2.62	1.44	2.54	1.52	0.29	25.99	-305.31	-93.37	-185.95 -
159.05												
		90	0.58	3.59	-0.81	2.42	0.36	-1.95	87.98	-267.05	-90.76	-88.31 -
177.51												
25	21	79	1.06	8.52	0.40	8.13	0.80	1.74	151.54	-492.82	-448.94	107.66
162.33												
		29	1.56	7.51	-0.58	7.50	-0.57	0.27	421.44	-574.28	-543.39	390.56
172.63												
		68	1.19	-0.92	-1.50	-1.14	-1.28	-0.28	395.55	-423.20	-366.20	338.56
208.36												
		90	1.15	1.38	-2.63	-1.03	-0.22	1.96	268.42	-484.10	-383.45	167.77
256.15												
25	22	79	0.87	6.90	-0.46	4.58	1.86	3.42	-56.41	-522.50	-510.71	-68.21 73.21
		29	1.26	4.43	-1.99	4.43	-1.99	0.02	334.12	-470.19	-457.93	321.86 98.54
		68	0.96	-1.87	-4.96	-3.17	-3.67	-1.52	329.77	-311.13	-260.56	279.21
172.77												
		90	0.85	0.19	-3.19	-2.62	-0.38	1.26	107.17	-413.94	-307.91	1.14
209.79												
25	23	79	0.30	1.46	-5.73	-2.51	-1.76	-3.58	169.65	29.90	35.34	164.21-27.03
		29	0.55	2.33	-2.37	-2.37	2.33	3.15e-03	66.86	-253.57	49.73	-236.43-72.09
		68	0.57	5.96	2.70	4.62	4.04	1.61	-80.71	-320.62	-201.80	-199.53 -
119.95												
		90	0.53	4.97	-0.43	4.01	0.52	-2.06	139.24	-218.18	-164.01	85.06 -
128.18												
25	24	79	0.43	-0.14	-7.25	-6.89	-0.50	-1.55	186.59	-75.92	125.49	-14.82 -
110.93												
		29	0.73	0.82	-6.22	-6.21	0.81	-0.26	248.01	-206.81	182.04	-140.84 -
160.16												
		68	0.52	2.54	1.33	2.50	1.37	0.22	61.16	-264.76	-90.58	-113.02 -

162.57												
		90	0.57	2.92	-0.15	2.41	0.36	-1.14	86.44	-274.54	-93.05	-95.06	-
180.49												
25	25	79	1.19	8.85	0.39	8.55	0.69	1.56	147.20	-562.85	-524.89	109.24	
159.72												
		29	1.50	7.90	-0.53	7.89	-0.52	0.28	343.84	-602.25	-566.82	308.41	
179.62												
		68	1.11	-0.91	-1.33	-1.09	-1.14	-0.21	329.87	-433.23	-369.00	265.63	
211.88												
		90	1.14	0.60	-1.84	-1.02	-0.22	1.15	276.60	-483.24	-381.16	174.51	
259.12												
25	26	79	0.74	6.82	-0.70	4.16	1.96	3.59	-54.67	-449.87	-434.75	-69.79	75.82
		29	1.33	4.05	-2.04	4.05	-2.04	9.40e-03	413.88	-444.38	-434.50	404.00	91.55
		68	1.05	-1.89	-5.13	-3.22	-3.81	-1.59	395.96	-301.59	-257.77	352.13	
169.26												
		90	0.86	0.85	-3.86	-2.63	-0.38	2.07	98.94	-414.74	-310.20	-5.61	
206.81												
25	27	79	0.85	6.54	-3.49	5.09	-2.04	-3.54	402.15	-57.62	-5.40	349.94	
145.88												
		29	0.61	4.51	2.83	4.42	2.92	0.38	144.20	-257.91	-235.30	121.59	92.63
		68	0.77	7.25	2.56	4.97	4.84	2.35	112.89	-380.67	-378.17	110.40	34.99
		90	0.98	4.26	0.35	4.13	0.48	0.70	309.29	-337.51	-331.40	303.18	62.58
25	28	79	0.62	1.99	-7.23	-6.74	1.50	2.06	-72.05	-375.51	-211.29	-236.28	-
151.21												
		29	0.52	-1.75	-5.88	-5.83	-1.80	-0.47	144.21	-202.06	49.55	-107.40	-
154.33												
		68	0.34	-0.54	-4.38	-1.81	-3.10	-1.81	32.34	-145.82	-26.04	-87.44	-83.62
		90	0.48	1.10	-2.32	-1.16	-0.06	-1.62	-39.80	-292.04	-79.58	-252.26	-91.93
25	29	79	1.09	8.81	-1.72	8.40	-1.31	-2.04	398.85	-256.27	-188.12	330.69	
200.01												
		29	1.22	7.54	2.04	7.50	2.08	0.48	315.26	-474.62	-434.33	274.97	
173.79												
		68	1.07	5.10	1.45	3.22	3.33	1.82	265.33	-458.82	-433.54	240.05	
132.92												
		90	1.17	3.39	-0.63	2.55	0.20	1.63	369.78	-432.69	-394.63	331.72	
170.57												
25	30	79	0.67	3.94	-5.14	-3.43	2.23	3.55	-205.51	-444.02	-394.01	-255.52	-97.09
		29	0.38	-2.32	-3.06	-2.74	-2.63	-0.37	70.34	-173.84	-149.48	45.98	-73.17
		68	0.22	-1.70	-6.48	-3.57	-4.61	-2.33	43.84	-83.04	-81.40	42.21	14.31
		90	0.34	-0.15	-2.92	-2.74	-0.34	-0.69	-139.74	-226.79	-142.81	-223.72	16.05
25	31	79	0.85	6.56	-3.52	5.08	-2.04	-3.56	399.51	-63.68	-12.72	348.56	
144.93												
		29	0.62	4.51	2.83	4.42	2.93	0.39	140.36	-266.14	-242.33	116.56	95.45
		68	0.77	7.26	2.55	4.95	4.86	2.36	107.84	-383.17	-380.78	105.45	34.18
		90	0.98	4.22	0.33	4.09	0.45	0.69	309.38	-335.78	-330.44	304.03	58.48
25	32	79	0.62	1.97	-7.22	-6.75	1.50	2.03	-75.67	-380.60	-218.61	-237.65	-
152.16												
		29	0.51	-1.74	-5.87	-5.82	-1.79	-0.46	135.21	-205.13	42.52	-112.44	-
151.51												
		68	0.35	-0.55	-4.36	-1.83	-3.08	-1.80	29.73	-150.76	-28.64	-92.39	-84.43
		90	0.49	1.09	-2.37	-1.20	-0.09	-1.64	-35.84	-294.19	-78.62	-251.41	-96.03
25	33	79	1.09	8.80	-1.71	8.40	-1.30	-2.02	401.43	-250.15	-180.79	332.07	
200.96												
		29	1.22	7.54	2.03	7.50	2.07	0.47	319.17	-466.45	-427.30	280.01	
170.97												
		68	1.08	5.08	1.46	3.24	3.31	1.81	270.50	-456.43	-430.93	245.00	
133.73												
		90	1.18	3.43	-0.62	2.58	0.23	1.65	370.68	-435.40	-395.58	330.87	
174.67												
25	34	79	0.66	3.97	-5.16	-3.43	2.24	3.57	-203.65	-437.18	-386.68	-254.14	-96.14
		29	0.38	-2.31	-3.07	-2.74	-2.64	-0.38	77.30	-168.73	-142.44	51.01	-76.00
		68	0.23	-1.68	-6.50	-3.55	-4.63	-2.34	48.95	-80.59	-78.80	47.16	15.12
		90	0.34	-0.14	-2.88	-2.71	-0.31	-0.67	-139.02	-229.32	-143.77	-224.57	20.16
25	35	79	1.14	8.10	-3.99	6.48	-2.37	-4.12	384.48	-287.85	-258.58	355.21	
137.18												
		29	0.62	5.76	3.03	5.70	3.09	0.40	-91.61	-374.01	-313.40	-152.22	
115.94												
		68	0.64	7.80	2.64	5.12	5.32	2.58	-124.40	-395.78	-387.48	-132.69	46.72
		90	1.03	5.02	-0.39	4.16	0.48	-1.98	333.66	-331.74	-323.75	325.66	72.51
25	36	79	0.75	2.49	-8.79	-8.14	1.84	2.64	101.16	-300.82	41.89	-241.55	-
142.51												
		29	0.59	-1.92	-7.15	-7.11	-1.97	-0.49	325.73	-31.66	127.65	166.41	-

177.64												
		68	0.41	-0.58	-4.97	-1.96	-3.59	-2.04	197.99	-59.07	-16.73	155.65-95.35
		90	0.52	0.58	-1.83	-1.19	-0.06	1.06	-42.55	-319.42	-87.23	-274.74 -
101.86												
25	37	79	1.44	10.37	-2.22	9.79	-1.64	-2.63	380.50	-485.83	-441.30	335.97
191.30												
		29	1.13	8.82	2.22	8.78	2.26	0.50	68.08	-579.35	-512.43	1.16
197.10												
		68	0.86	5.66	1.52	3.36	3.82	2.05	40.27	-486.16	-442.84	-3.04
144.65												
		90	1.24	2.98	-0.19	2.58	0.21	-1.05	395.81	-428.60	-386.98	354.19
180.50												
25	38	79	0.56	4.42	-6.67	-4.83	2.57	4.13	-93.99	-307.63	-140.83	-260.80-88.39
		29	0.67	-2.69	-4.14	-4.03	-2.80	-0.39	342.30	-93.88	-71.38	319.79-96.48
		68	0.60	-1.75	-7.06	-3.71	-5.09	-2.56	285.32	-72.12	-72.10	285.30 2.58
		90	0.38	0.78	-3.89	-2.77	-0.34	2.00	-150.07	-246.59	-150.46	-246.20 6.13
25	39	79	1.14	8.12	-4.01	6.48	-2.38	-4.15	382.46	-294.53	-265.91	353.84
136.23												
		29	0.64	5.76	3.04	5.70	3.10	0.41	-94.76	-382.94	-320.43	-157.26
118.77												
		68	0.64	7.81	2.63	5.10	5.35	2.59	-129.55	-398.17	-390.08	-137.64 45.91
		90	1.02	5.00	-0.42	4.12	0.45	-2.00	333.64	-329.92	-322.79	326.51 68.41
25	40	79	0.74	2.48	-8.78	-8.14	1.84	2.61	95.40	-303.76	34.57	-242.93 -
143.46												
		29	0.58	-1.92	-7.15	-7.11	-1.96	-0.48	317.00	-35.01	120.62	161.38 -
174.82												
		68	0.41	-0.59	-4.95	-1.98	-3.56	-2.03	194.04	-62.67	-19.34	150.70-96.16
		90	0.53	0.54	-1.85	-1.23	-0.09	1.05	-38.56	-321.60	-86.27	-273.89 -
105.96												
25	41	79	1.43	10.36	-2.20	9.80	-1.64	-2.60	382.61	-479.24	-433.98	337.35
192.25												
		29	1.12	8.82	2.21	8.78	2.25	0.49	71.61	-570.81	-505.40	6.19
194.28												
		68	0.86	5.64	1.53	3.38	3.79	2.04	45.47	-483.80	-440.24	1.90
145.46												
		90	1.24	3.00	-0.16	2.61	0.23	-1.04	396.77	-431.36	-387.93	353.34
184.60												
25	42	79	0.56	4.44	-6.69	-4.82	2.57	4.16	-88.71	-304.21	-133.50	-259.42-87.44
		29	0.67	-2.70	-4.15	-4.03	-2.82	-0.40	348.71	-88.22	-64.34	324.83-99.31
		68	0.60	-1.73	-7.07	-3.69	-5.11	-2.57	290.28	-69.53	-69.49	290.25 3.39
		90	0.38	0.82	-3.87	-2.74	-0.31	2.01	-150.34	-248.13	-151.42	-247.05 10.23
25	43	79	0.23	0.95	-4.36	-2.13	-1.28	-2.62	143.88	60.83	62.53	142.18-11.75
		29	0.31	1.80	-2.01	-2.01	1.80	-0.02	62.92	-120.47	33.67	-91.22-67.15
		68	0.45	4.67	2.18	3.80	3.04	1.18	-24.51	-245.95	-199.13	-71.33-90.42
		90	0.48	3.67	0.21	3.39	0.49	-0.95	94.33	-209.47	-183.45	68.30-85.02
25	44	79	0.28	-0.09	-5.26	-4.91	-0.44	-1.30	91.27	-73.92	14.55	2.80-82.38
		29	0.56	0.69	-4.42	-4.41	0.68	-0.22	153.51	-197.16	100.47	-144.12 -
125.65												
		68	0.41	2.23	1.12	2.19	1.16	0.20	2.02	-235.14	-115.87	-117.25 -
118.58												
		90	0.42	2.99	-0.49	2.13	0.37	-1.50	31.06	-219.29	-124.46	-63.77 -
121.45												
25	45	79	0.94	6.84	0.36	6.57	0.64	1.31	123.62	-445.97	-413.96	91.62
131.17												
		29	1.32	6.10	-0.40	6.09	-0.40	0.24	337.29	-510.85	-485.25	311.69
145.11												
		68	1.01	-0.66	-1.06	-0.79	-0.93	-0.19	312.79	-386.64	-343.71	269.86
167.88												
		90	0.97	1.05	-2.02	-0.75	-0.23	1.51	214.21	-420.73	-349.75	143.23
200.08												
25	46	79	0.79	5.51	-0.25	3.79	1.47	2.64	-39.09	-470.61	-461.94	-47.76 60.54
		29	1.09	3.69	-1.51	3.69	-1.51	0.04	269.69	-429.35	-418.45	258.79 86.61
		68	0.83	-1.42	-3.79	-2.40	-2.81	-1.17	261.35	-297.87	-260.45	223.94
139.72												
		90	0.72	0.09	-2.45	-2.00	-0.35	0.96	82.85	-362.45	-290.76	11.15
163.66												
25	47	79	0.26	1.19	-4.35	-1.80	-1.36	-2.76	144.78	1.87	3.22	143.43-13.82
		29	0.36	1.84	-1.70	-1.70	1.84	-0.02	34.96	-174.96	14.99	-154.99-61.60
		68	0.46	4.78	2.21	3.84	3.15	1.24	-69.81	-259.73	-201.35	-128.19-87.63
		90	0.47	4.09	-0.21	3.40	0.49	-1.59	98.07	-206.03	-181.60	73.65-82.65
25	48	79	0.29	-0.10	-5.51	-5.25	-0.36	-1.16	125.78	-50.38	73.86	1.55-80.31
		29	0.53	0.65	-4.73	-4.72	0.64	-0.23	184.21	-145.41	119.15	-80.35 -

131.20												
		68	0.40	2.18	1.02	2.16	1.04	0.15	37.24	-211.27	-113.64	-60.39	-
121.37													
		90	0.41	2.48	0.01	2.13	0.37	-0.86	29.37	-224.79	-126.31	-69.12	-
123.82													
25	49	79	1.04	7.11	0.35	6.90	0.56	1.17	120.92	-501.32	-473.27	92.87	
129.11													
		29	1.29	6.41	-0.36	6.40	-0.35	0.24	276.99	-532.99	-503.93	247.92	
150.66													
		68	0.95	-0.65	-0.92	-0.76	-0.81	-0.13	260.99	-393.93	-345.93	213.00	
170.67													
		90	0.96	0.43	-1.40	-0.74	-0.22	0.88	220.67	-419.99	-347.90	148.57	
202.46													
25	50	79	0.69	5.44	-0.43	3.45	1.55	2.78	-38.26	-413.39	-402.63	-49.02	62.61
		29	1.14	3.38	-1.55	3.38	-1.55	0.03	331.54	-408.75	-399.77	322.56	81.06
		68	0.90	-1.43	-3.93	-2.44	-2.92	-1.23	313.59	-291.02	-258.23	280.80	
136.94													
		90	0.73	0.62	-2.98	-2.01	-0.35	1.60	76.32	-363.12	-292.60	5.81	
161.29													
25	51	79	0.23	1.01	-4.44	-2.14	-1.29	-2.69	140.50	40.03	42.10	138.43	-14.26
		29	0.29	1.82	-2.01	-2.01	1.82	1.85e-04	38.54	-128.89	13.94	-104.28	-59.28
		68	0.46	4.68	2.17	3.75	3.10	1.21	-34.44	-255.92	-206.08	-84.28	-92.49
		90	0.49	3.60	0.11	3.29	0.42	-0.99	102.95	-213.25	-180.89	70.60	-95.83
25	52	79	0.30	-0.07	-5.31	-4.92	-0.45	-1.37	81.52	-88.34	-5.88	-0.95	-84.89
		29	0.54	0.71	-4.41	-4.41	0.71	-0.20	129.18	-205.63	80.74	-157.19	-
117.78													
		68	0.43	2.19	1.17	2.14	1.23	0.23	-5.80	-247.22	-122.82	-130.20	-
120.65													
		90	0.45	2.94	-0.60	2.04	0.30	-1.54	43.97	-227.35	-121.90	-61.48	-
132.25													
25	53	79	0.92	6.88	0.34	6.57	0.65	1.38	129.53	-427.69	-393.53	95.36	
133.68													
		29	1.31	6.09	-0.43	6.08	-0.42	0.21	347.91	-488.67	-465.52	324.76	
137.24													
		68	1.03	-0.61	-1.12	-0.73	-0.99	-0.22	326.37	-380.31	-336.76	282.81	
169.96													
		90	0.99	1.17	-1.98	-0.65	-0.16	1.55	218.81	-430.18	-352.30	140.93	
210.89													
25	54	79	0.76	5.58	-0.30	3.80	1.48	2.70	-34.25	-451.27	-441.51	-44.02	63.05
		29	1.07	3.68	-1.54	3.68	-1.54	0.01	280.98	-407.84	-398.71	271.85	78.74
		68	0.84	-1.38	-3.84	-2.34	-2.87	-1.20	274.94	-291.55	-253.50	236.89	
141.80													
		90	0.75	0.20	-2.38	-1.91	-0.28	1.00	88.57	-373.02	-293.31	8.86	
174.47													
25	55	79	0.28	1.25	-4.43	-1.81	-1.37	-2.83	141.37	-18.89	-17.21	139.69	-16.33
		29	0.36	1.86	-1.70	-1.70	1.86	5.58e-03	11.35	-184.15	-4.74	-168.06	-53.73
		68	0.47	4.80	2.20	3.78	3.22	1.27	-78.94	-270.51	-208.31	-141.14	-89.71
		90	0.48	4.03	-0.31	3.30	0.42	-1.63	106.53	-209.63	-179.05	75.95	-93.46
25	56	79	0.27	-0.08	-5.55	-5.26	-0.37	-1.23	112.98	-61.76	53.43	-2.20	-82.82
		29	0.50	0.67	-4.72	-4.72	0.67	-0.21	159.55	-153.55	99.42	-93.42	-
123.33													
		68	0.42	2.13	1.08	2.10	1.11	0.17	28.71	-222.65	-120.60	-73.34	-
123.44													
		90	0.44	2.41	-0.09	2.03	0.30	-0.90	42.32	-232.89	-123.75	-66.82	-
134.63													
25	57	79	1.01	7.15	0.33	6.91	0.57	1.24	126.52	-482.74	-452.84	96.62	
131.62													
		29	1.26	6.40	-0.39	6.39	-0.38	0.22	287.41	-510.62	-484.20	260.99	
142.79													
		68	0.96	-0.60	-0.97	-0.70	-0.88	-0.16	274.59	-387.61	-338.98	225.95	
172.75													
		90	0.98	0.55	-1.35	-0.64	-0.16	0.92	225.28	-429.45	-350.46	146.28	
213.27													
25	58	79	0.66	5.51	-0.49	3.46	1.56	2.84	-33.12	-394.35	-382.20	-45.27	65.12
		29	1.13	3.37	-1.58	3.37	-1.58	6.98e-03	343.03	-387.44	-380.04	335.63	73.19
		68	0.91	-1.39	-3.98	-2.38	-2.99	-1.26	327.16	-284.68	-251.27	293.75	
139.01													
		90	0.76	0.74	-2.93	-1.91	-0.28	1.64	82.03	-373.68	-295.16	3.51	
172.09													
25	59	79	0.73	5.28	-2.71	4.15	-1.58	-2.79	326.00	-87.18	-48.27	287.09	
120.68													
		29	0.57	3.69	2.26	3.62	2.33	0.30	127.60	-241.97	-225.89	111.52	75.39

		68	0.71	5.81	2.11	4.08	3.84	1.85	104.05	-349.26	-346.87	101.66	32.84
		90	0.87	3.50	0.28	3.40	0.38	0.55	254.42	-316.28	-310.47	248.62	57.26
25	60	79	0.48	1.59	-5.49	-5.10	1.20	1.62	-77.07	-308.63	-208.20	-177.50	-
114.76													
		29	0.37	-1.34	-4.42	-4.38	-1.39	-0.37	89.49	-157.53	-3.21	-64.83	-
119.60													
		68	0.25	-0.33	-3.39	-1.29	-2.42	-1.43	1.31	-122.05	-69.34	-51.40	-61.02
		90	0.36	0.93	-1.73	-0.78	-0.03	-1.28	-77.72	-227.76	-113.84	-191.64	-64.15
25	61	79	0.94	7.08	-1.32	6.76	-1.00	-1.61	323.85	-243.15	-191.21	271.92	
163.55													
		29	1.04	6.08	1.64	6.05	1.67	0.38	262.42	-411.60	-381.57	232.40	
139.06													
		68	0.94	4.11	1.24	2.70	2.65	1.44	223.83	-410.06	-390.24	204.01	
110.33													
		90	1.02	2.80	-0.47	2.16	0.17	1.29	301.88	-391.15	-360.36	271.09	
142.79													
25	62	79	0.56	3.16	-3.88	-2.49	1.77	2.80	-164.92	-378.89	-351.14	-192.67	-71.89
		29	0.37	-1.70	-2.29	-1.95	-2.05	-0.29	69.73	-172.57	-158.89	56.05	-55.93
		68	0.27	-1.25	-5.04	-2.67	-3.61	-1.84	52.59	-114.35	-112.71	50.95	16.47
		90	0.30	-0.09	-2.17	-2.02	-0.24	-0.54	-144.90	-188.00	-163.73	-169.16	21.38
25	63	79	0.74	5.29	-2.73	4.14	-1.58	-2.81	323.97	-92.40	-54.40	285.96	
119.92													
		29	0.57	3.69	2.27	3.62	2.34	0.31	124.56	-248.77	-231.81	107.60	77.75
		68	0.70	5.82	2.10	4.06	3.86	1.86	100.08	-351.26	-348.95	97.77	32.22
		90	0.87	3.47	0.27	3.37	0.36	0.54	254.48	-314.88	-309.71	249.31	54.01
25	64	79	0.48	1.58	-5.49	-5.10	1.20	1.60	-79.59	-313.36	-214.32	-178.63	-
115.52													
		29	0.37	-1.34	-4.42	-4.38	-1.38	-0.36	82.04	-159.91	-9.13	-68.75	-
117.24													
		68	0.26	-0.34	-3.37	-1.31	-2.40	-1.42	-1.18	-125.53	-71.42	-55.29	-61.65
		90	0.36	0.92	-1.77	-0.81	-0.05	-1.29	-74.18	-229.85	-113.08	-190.95	-67.39
25	65	79	0.93	7.07	-1.31	6.76	-1.00	-1.59	325.88	-237.92	-185.08	273.04	
164.31													
		29	1.04	6.08	1.63	6.05	1.67	0.37	265.46	-404.80	-375.65	236.32	
136.70													
		68	0.94	4.10	1.24	2.72	2.63	1.43	227.88	-408.14	-388.15	207.90	
110.95													
		90	1.02	2.83	-0.46	2.19	0.19	1.30	302.54	-393.26	-361.13	270.41	
146.03													
25	66	79	0.55	3.18	-3.89	-2.49	1.78	2.82	-163.65	-372.91	-345.01	-191.55	-71.13
		29	0.37	-1.70	-2.30	-1.95	-2.05	-0.30	74.88	-167.88	-152.97	59.97	-58.29
		68	0.27	-1.23	-5.05	-2.66	-3.63	-1.85	56.59	-112.37	-110.62	54.84	17.09
		90	0.30	-0.07	-2.14	-1.99	-0.22	-0.53	-142.41	-191.94	-164.50	-169.85	24.62
25	67	79	0.97	6.54	-3.11	5.27	-1.85	-3.25	314.37	-269.06	-245.96	291.27	
113.78													
		29	0.55	4.70	2.42	4.66	2.47	0.32	-62.06	-327.14	-288.15	-101.05	93.89
		68	0.59	6.24	2.17	4.19	4.23	2.04	-81.37	-360.78	-354.28	-87.88	42.13
		90	0.90	4.09	-0.28	3.43	0.39	-1.57	273.78	-311.66	-304.32	266.43	65.17
25	68	79	0.53	2.00	-6.76	-6.23	1.47	2.09	41.61	-233.79	-10.50	-181.68	-
107.87													
		29	0.46	-1.49	-5.45	-5.41	-1.53	-0.39	248.46	-41.66	59.05	147.75	-
138.11													
		68	0.37	-0.35	-3.86	-1.41	-2.81	-1.61	160.38	-84.17	-61.92	138.13	-70.32
		90	0.38	0.51	-1.34	-0.80	-0.03	0.84	-79.91	-249.55	-120.00	-209.46	-72.07
25	69	79	1.22	8.33	-1.72	7.88	-1.27	-2.07	311.16	-423.96	-388.91	276.10	
156.66													
		29	0.97	7.12	1.78	7.09	1.81	0.40	68.30	-492.31	-443.83	19.82	
157.57													
		68	0.76	4.55	1.30	2.81	3.04	1.62	46.68	-429.86	-397.66	14.48	
119.62													
		90	1.06	2.48	-0.13	2.19	0.17	-0.83	322.48	-387.77	-354.21	288.91	
150.70													
25	70	79	0.42	3.54	-5.11	-3.62	2.04	3.27	-106.63	-243.67	-153.45	-196.85	-64.99
		29	0.59	-2.08	-3.09	-2.98	-2.18	-0.31	283.21	-111.21	-96.62	268.62	-74.43
		68	0.55	-1.28	-5.50	-2.79	-4.00	-2.02	240.64	-105.45	-105.30	240.49	7.17
		90	0.33	0.68	-2.96	-2.04	-0.24	1.58	-162.49	-194.38	-169.89	-186.98	13.47
25	71	79	0.98	6.55	-3.13	5.27	-1.85	-3.27	312.76	-274.71	-252.09	290.14	
113.03													
		29	0.56	4.71	2.43	4.66	2.48	0.33	-64.60	-334.45	-294.07	-104.97	96.25
		68	0.59	6.26	2.17	4.17	4.25	2.04	-85.40	-362.73	-356.37	-91.76	41.51
		90	0.90	4.07	-0.31	3.40	0.36	-1.58	273.77	-310.19	-303.55	267.12	61.93
25	72	79	0.53	1.99	-6.75	-6.23	1.47	2.06	37.04	-236.47	-16.63	-182.81	-

108.62												
		29	0.46	-1.48	-5.45	-5.41	-1.52	-0.38	241.60	-44.65	53.13	143.83 -
135.75												
		68	0.37	-0.37	-3.85	-1.43	-2.79	-1.60	157.01	-86.78	-64.01	134.24-70.94
		90	0.39	0.48	-1.36	-0.83	-0.05	0.83	-76.39	-251.61	-119.23	-208.77-75.31
25	73	79	1.21	8.33	-1.71	7.89	-1.27	-2.05	312.84	-418.40	-382.78	277.22
157.41												
		29	0.96	7.11	1.78	7.08	1.80	0.39	71.07	-485.24	-437.91	23.74
155.21												
		68	0.77	4.54	1.31	2.83	3.02	1.61	50.76	-427.96	-395.57	18.36
120.25												
		90	1.07	2.51	-0.10	2.22	0.19	-0.82	323.17	-389.92	-354.97	288.22
153.95												
25	74	79	0.42	3.55	-5.12	-3.62	2.05	3.29	-102.88	-240.17	-147.32	-195.73-64.24
		29	0.59	-2.08	-3.10	-2.99	-2.19	-0.31	288.11	-106.27	-90.71	272.54-76.80
		68	0.55	-1.27	-5.52	-2.77	-4.02	-2.03	244.55	-103.38	-103.21	244.37 7.79
		90	0.33	0.71	-2.95	-2.01	-0.22	1.59	-160.41	-197.91	-170.66	-187.67 16.71
25	75	79	0.21	0.85	-3.52	-1.63	-1.04	-2.17	126.01	17.73	18.01	125.73 -5.49
		29	0.21	1.51	-1.52	-1.52	1.51	-0.02	28.16	-93.90	-4.65	-61.09-54.11
		68	0.42	3.95	1.85	3.27	2.53	0.98	-19.00	-231.10	-204.27	-45.84-70.51
		90	0.46	3.15	0.19	2.93	0.42	-0.78	78.14	-207.58	-192.72	63.28-63.45
25	76	79	0.24	-0.05	-4.22	-3.92	-0.35	-1.07	60.24	-71.51	-21.82	10.54-63.86
		29	0.41	0.60	-3.52	-3.51	0.59	-0.18	101.57	-155.78	50.72	-104.93 -
102.48												
		68	0.36	1.97	0.95	1.94	0.98	0.17	-12.38	-206.91	-135.44	-83.86-93.79
		90	0.36	2.57	-0.36	1.89	0.32	-1.24	10.74	-200.54	-143.92	-45.87-93.58
25	77	79	0.85	5.80	0.32	5.58	0.55	1.09	109.90	-403.62	-377.59	83.87
112.65												
		29	1.17	5.19	-0.31	5.18	-0.30	0.20	292.91	-455.90	-435.49	272.50
121.93												
		68	0.92	-0.45	-0.83	-0.54	-0.75	-0.16	270.88	-358.55	-324.14	236.47
143.09												
		90	0.87	0.92	-1.60	-0.50	-0.18	1.25	183.10	-388.05	-330.28	125.33
172.21												
25	78	79	0.72	4.67	-0.15	3.28	1.23	2.18	-23.83	-424.90	-417.41	-31.31 54.28
		29	0.98	3.20	-1.23	3.20	-1.23	0.03	237.43	-388.89	-380.13	228.66 73.57
		68	0.76	-1.09	-3.07	-1.87	-2.30	-0.97	228.14	-285.00	-255.31	198.45
119.81												
		90	0.67	0.11	-1.93	-1.54	-0.28	0.80	73.12	-338.42	-281.49	16.18
142.09												
25	79	79	0.25	1.06	-3.51	-1.35	-1.11	-2.28	127.09	-31.49	-31.16	126.76 -7.20
		29	0.25	1.54	-1.27	-1.27	1.54	-0.01	1.24	-135.19	-20.06	-113.90-49.52
		68	0.41	4.04	1.88	3.30	2.63	1.03	-60.86	-238.13	-206.11	-92.89-68.20
		90	0.45	3.49	-0.14	2.93	0.42	-1.31	81.56	-205.06	-191.19	67.70-61.49
25	80	79	0.21	-0.06	-4.42	-4.20	-0.28	-0.96	81.22	-44.36	27.35	9.51-62.15
		29	0.38	0.56	-3.77	-3.77	0.55	-0.19	129.31	-115.31	66.13	-52.13 -
107.06												
		68	0.36	1.92	0.87	1.91	0.88	0.12	22.39	-192.79	-133.60	-36.81-96.09
		90	0.35	2.16	0.04	1.88	0.32	-0.71	8.86	-204.60	-145.45	-50.29-95.54
25	81	79	0.93	6.03	0.31	5.86	0.48	0.97	107.93	-449.78	-426.76	84.91
110.94												
		29	1.13	5.45	-0.28	5.44	-0.27	0.20	242.77	-473.99	-450.91	219.70
126.52												
		68	0.86	-0.45	-0.71	-0.51	-0.65	-0.11	227.60	-364.17	-325.98	189.41
145.39												
		90	0.86	0.41	-1.08	-0.50	-0.17	0.73	188.40	-387.42	-328.76	129.75
174.17												
25	82	79	0.64	4.60	-0.30	3.00	1.30	2.30	-23.26	-377.33	-368.25	-32.35 55.99
		29	1.02	2.94	-1.26	2.94	-1.26	0.03	288.75	-372.00	-364.71	281.46 68.98
		68	0.82	-1.10	-3.19	-1.90	-2.40	-1.01	271.79	-279.76	-253.47	245.50
117.51												
		90	0.67	0.55	-2.38	-1.55	-0.28	1.32	67.74	-339.00	-283.01	11.76
140.13												
25	83	79	0.22	0.90	-3.58	-1.63	-1.05	-2.22	123.11	0.60	1.07	122.64 -7.56
		29	0.20	1.53	-1.52	-1.52	1.53	1.03e-03	7.52	-100.39	-21.02	-71.85-47.59
		68	0.43	3.96	1.85	3.22	2.59	1.00	-27.89	-238.68	-210.06	-56.51-72.21
		90	0.46	3.09	0.12	2.85	0.36	-0.82	84.25	-209.69	-190.63	65.18-72.38
25	84	79	0.26	-0.03	-4.26	-3.93	-0.36	-1.13	54.21	-85.51	-38.75	7.46-65.93
		29	0.39	0.62	-3.51	-3.50	0.61	-0.16	81.13	-162.47	34.34	-115.68-95.96
		68	0.37	1.93	0.99	1.89	1.03	0.19	-19.58	-216.19	-141.23	-94.54-95.49
		90	0.38	2.52	-0.46	1.81	0.26	-1.27	20.69	-206.49	-141.84	-43.96 -
102.50												

25	85	79	0.83	5.83	0.31	5.58	0.55	1.14	114.65	-388.34	-360.65	86.96	114.72
		29	1.15	5.18	-0.33	5.17	-0.32	0.18	301.73	-437.60	-419.12	283.25	115.42
		68	0.92	-0.41	-0.88	-0.49	-0.80	-0.18	282.07	-353.27	-318.35	247.15	144.80
		90	0.89	1.02	-1.56	-0.42	-0.12	1.28	186.64	-395.59	-332.37	123.42	181.14
25	86	79	0.70	4.72	-0.19	3.29	1.24	2.24	-19.88	-408.82	-400.48	-28.23	56.35
		29	0.96	3.19	-1.25	3.19	-1.25	0.01	246.78	-371.12	-363.76	239.42	67.05
		68	0.77	-1.06	-3.11	-1.82	-2.35	-0.99	239.33	-279.72	-249.52	209.12	121.52
		90	0.68	0.20	-1.88	-1.46	-0.22	0.83	77.45	-346.75	-283.57	14.27	151.02
25	87	79	0.27	1.11	-3.58	-1.35	-1.11	-2.34	124.18	-48.60	-48.10	123.68	-9.27
		29	0.25	1.57	-1.26	-1.26	1.57	5.48e-03	-18.94	-142.14	-36.44	-124.65	-43.01
		68	0.42	4.05	1.88	3.25	2.68	1.05	-69.30	-246.17	-211.90	-103.57	-69.91
		90	0.46	3.44	-0.23	2.85	0.36	-1.34	87.53	-207.03	-189.11	69.60	-70.42
25	88	79	0.22	-0.04	-4.45	-4.21	-0.29	-1.02	72.67	-55.83	10.41	6.42	-64.22
		29	0.36	0.58	-3.76	-3.76	0.58	-0.17	108.69	-121.81	49.76	-62.88	- 100.55
		68	0.37	1.88	0.91	1.86	0.94	0.15	14.62	-201.49	-139.39	-47.48	-97.80
		90	0.37	2.10	-0.04	1.80	0.26	-0.75	18.88	-210.62	-143.36	-48.38	- 104.47
25	89	79	0.91	6.05	0.30	5.86	0.49	1.03	112.45	-434.28	-409.82	87.99	113.01
		29	1.12	5.44	-0.30	5.43	-0.29	0.18	251.44	-455.53	-434.54	230.45	120.01
		68	0.87	-0.40	-0.76	-0.46	-0.71	-0.13	238.80	-358.90	-320.19	200.09	147.10
		90	0.88	0.51	-1.04	-0.42	-0.12	0.76	191.97	-394.97	-330.85	127.84	183.10
25	90	79	0.61	4.66	-0.34	3.01	1.31	2.35	-19.11	-361.46	-351.31	-29.26	58.06
		29	1.00	2.93	-1.28	2.93	-1.28	7.08e-03	298.25	-354.38	-348.34	292.22	62.46
		68	0.83	-1.07	-3.23	-1.85	-2.45	-1.04	282.96	-274.46	-247.68	256.18	119.21
		90	0.69	0.65	-2.34	-1.47	-0.22	1.36	72.06	-347.31	-285.10	9.85	149.06
25	91	79	0.66	4.49	-2.21	3.57	-1.29	-2.30	276.31	-104.84	-73.99	245.46	103.96
		29	0.54	3.19	1.90	3.14	1.95	0.25	118.87	-232.10	-220.03	106.81	63.94
		68	0.67	4.88	1.81	3.49	3.20	1.53	99.65	-328.85	-326.53	97.33	31.41
		90	0.79	3.01	0.25	2.94	0.33	0.46	218.03	-303.49	-297.80	212.34	54.17
25	92	79	0.42	1.34	-4.41	-4.08	1.01	1.34	-75.79	-269.44	-206.74	-138.49	-90.61
		29	0.31	-1.08	-3.52	-3.48	-1.12	-0.30	59.91	-134.71	-35.49	-39.31	-97.29
		68	0.23	-0.18	-2.75	-0.95	-1.98	-1.18	-6.00	-120.50	-97.08	-29.41	-46.19
		90	0.29	0.82	-1.35	-0.52	-8.84e-03	-1.06	-96.37	-190.27	-135.14	-151.49	-46.23
25	93	79	0.83	5.99	-1.07	5.73	-0.81	-1.33	274.50	-234.27	-192.67	232.90	139.40
		29	0.93	5.18	1.38	5.15	1.41	0.32	230.40	-372.80	-349.29	206.88	116.75
		68	0.85	3.47	1.09	2.35	2.21	1.19	198.28	-378.75	-362.49	182.02	95.49
		90	0.92	2.41	-0.36	1.91	0.15	1.07	257.11	-365.22	-339.07	230.95	124.87
25	94	79	0.51	2.66	-3.09	-1.92	1.48	2.32	-135.05	-341.41	-325.42	-151.04	-55.17
		29	0.37	-1.31	-1.82	-1.47	-1.67	-0.24	69.22	-173.20	-164.74	60.76	-44.48
		68	0.30	-0.95	-4.11	-2.09	-2.96	-1.52	56.96	-134.73	-133.05	55.28	17.89
		90	0.29	-0.05	-1.68	-1.55	-0.19	-0.45	-121.90	-187.39	-176.41	-132.88	24.47
25	95	79	0.66	4.50	-2.22	3.57	-1.29	-2.32	274.72	-109.26	-79.07	244.53	103.34
		29	0.54	3.19	1.90	3.14	1.96	0.26	116.30	-237.67	-224.94	103.58	65.89
		68	0.66	4.89	1.80	3.48	3.21	1.54	96.38	-330.52	-328.27	94.13	30.90
		90	0.79	2.99	0.24	2.91	0.31	0.45	218.05	-302.32	-297.17	212.91	51.49
25	96	79	0.43	1.33	-4.40	-4.08	1.01	1.32	-77.46	-273.77	-211.82	-139.41	-91.23
		29	0.30	-1.08	-3.51	-3.48	-1.12	-0.30	53.87	-136.81	-40.40	-42.54	-95.34
		68	0.23	-0.19	-2.74	-0.96	-1.96	-1.17	-8.48	-122.96	-98.82	-32.62	-46.70
		90	0.30	0.81	-1.38	-0.55	-0.03	-1.07	-93.12	-192.31	-134.52	-150.92	-48.91
25	97	79	0.83	5.99	-1.06	5.74	-0.81	-1.31	276.11	-229.87	-187.59	233.83	140.02
		29	0.93	5.17	1.38	5.15	1.40	0.31	232.94	-367.20	-344.37	210.11	114.80
		68	0.85	3.47	1.09	2.36	2.20	1.18	201.61	-377.14	-360.75	185.23	96.00

		90	0.92	2.44	-0.34	1.93	0.17	1.08	257.62	-366.93	-339.69	230.38
127.55												
25	98	79	0.50	2.67	-3.10	-1.92	1.49	2.33	-134.14	-336.32	-320.34	-150.12-54.55
		29	0.37	-1.31	-1.84	-1.47	-1.67	-0.24	73.24	-169.08	-159.83	63.99-46.43
		68	0.30	-0.94	-4.12	-2.07	-2.98	-1.52	60.25	-133.08	-131.31	58.48 18.41
		90	0.29	-0.04	-1.65	-1.53	-0.17	-0.44	-120.43	-190.06	-177.04	-133.45 27.15
25	99	79	0.87	5.53	-2.54	4.50	-1.51	-2.69	268.00	-256.97	-237.89	248.91 98.26
		29	0.51	4.03	2.03	3.99	2.07	0.27	-41.86	-298.76	-271.42	-69.20 79.23
		68	0.56	5.23	1.87	3.59	3.51	1.68	-54.03	-338.14	-332.66	-59.52 39.09
		90	0.82	3.49	-0.20	2.96	0.33	-1.30	234.06	-299.71	-292.71	227.06 60.71
25	100	79	0.40	1.68	-5.45	-5.01	1.23	1.73	5.92	-190.70	-42.84	-141.94-84.91
		29	0.41	-1.21	-4.37	-4.33	-1.24	-0.32	204.05	-51.47	15.90	136.69 -
112.58												
		68	0.36	-0.20	-3.14	-1.04	-2.30	-1.33	140.00	-103.52	-90.96	127.43-53.87
		90	0.31	0.47	-1.02	-0.54	-0.01	0.70	-98.88	-207.57	-140.23	-166.22-52.77
25	101	79	1.07	7.03	-1.40	6.66	-1.04	-1.71	265.11	-385.32	-356.57	236.36
133.70												
		29	0.87	6.03	1.50	6.01	1.52	0.33	68.07	-437.87	-400.67	30.88
132.04												
		68	0.71	3.83	1.15	2.45	2.53	1.34	50.57	-394.01	-368.62	25.18
103.17												
		90	0.95	2.16	-0.08	1.93	0.15	-0.68	274.07	-362.38	-333.98	245.68
131.41												
25	102	79	0.34	2.96	-4.10	-2.85	1.71	2.70	-108.41	-207.61	-161.52	-154.50-49.47
		29	0.55	-1.68	-2.42	-2.32	-1.78	-0.25	246.69	-123.28	-113.36	236.77-59.77
		68	0.52	-0.98	-4.49	-2.18	-3.28	-1.67	212.43	-127.23	-126.92	212.13 10.21
		90	0.31	0.60	-2.36	-1.57	-0.19	1.31	-139.88	-189.22	-181.50	-147.60 17.93
25	103	79	0.87	5.54	-2.55	4.50	-1.51	-2.71	266.69	-261.67	-242.97	247.99 97.64
		29	0.52	4.03	2.04	4.00	2.07	0.27	-44.05	-304.71	-276.33	-72.42 81.18
		68	0.56	5.24	1.86	3.57	3.53	1.69	-57.35	-339.76	-334.39	-62.72 38.58
		90	0.82	3.47	-0.23	2.93	0.31	-1.31	234.03	-298.48	-292.08	227.63 58.03
25	104	79	0.39	1.67	-5.45	-5.01	1.23	1.71	2.43	-193.22	-47.92	-142.87-85.53
		29	0.40	-1.20	-4.36	-4.33	-1.23	-0.31	198.67	-54.22	10.98	133.46 -
110.63												
		68	0.36	-0.21	-3.13	-1.06	-2.28	-1.32	137.10	-105.57	-92.70	124.23-54.38
		90	0.31	0.44	-1.04	-0.57	-0.03	0.69	-95.67	-209.58	-139.60	-165.65-55.45
25	105	79	1.07	7.02	-1.39	6.67	-1.03	-1.70	266.48	-380.68	-351.48	237.28
134.32												
		29	0.86	6.03	1.49	6.00	1.52	0.32	70.41	-432.06	-395.76	34.10
130.09												
		68	0.71	3.82	1.15	2.46	2.51	1.34	53.93	-392.43	-366.88	28.38
103.68												
		90	0.96	2.18	-0.06	1.95	0.17	-0.67	274.62	-364.12	-334.61	245.10
134.09												
25	106	79	0.34	2.98	-4.11	-2.85	1.71	2.72	-106.13	-203.88	-156.44	-153.57-48.85
		29	0.55	-1.68	-2.43	-2.32	-1.79	-0.26	250.61	-119.06	-108.45	239.99-61.73
		68	0.53	-0.96	-4.51	-2.17	-3.30	-1.68	215.67	-125.52	-125.18	215.33 10.72
		90	0.31	0.63	-2.35	-1.55	-0.17	1.32	-138.45	-191.85	-182.12	-148.18 20.61
26	1	90	0.35	0.25	-0.13	0.20	-0.07	-0.14	53.88	-172.98	-170.68	51.58 22.73
		68	0.36	0.24	-0.18	0.19	-0.13	-0.14	70.83	-166.83	-166.83	70.83 -0.05
		31	0.45	1.10	0.03	1.08	0.05	-0.14	59.43	-225.13	-224.92	59.22 7.80
		80	0.45	1.11	0.09	1.09	0.11	-0.14	43.40	-232.21	-228.77	39.96 30.58
26	2	90	0.98	1.48	-0.42	1.45	-0.39	-0.23	213.45	-434.65	-412.78	191.58
117.05												
		68	0.89	1.67	0.45	1.63	0.50	-0.23	163.95	-422.99	-419.08	160.04-47.73
		31	1.49	1.26	0.35	1.20	0.41	-0.23	80.00	-843.25	-839.26	76.01-60.60
		80	1.54	1.06	-0.52	1.02	-0.48	-0.23	118.94	-844.35	-832.95	107.54
104.18												
26	3	90	0.26	0.18	-0.10	0.13	-0.05	-0.10	38.52	-128.21	-126.72	37.03 15.70
		68	0.26	0.16	-0.15	0.12	-0.11	-0.10	52.81	-123.57	-123.57	52.80 0.86
		31	0.33	0.84	0.02	0.83	0.03	-0.10	45.49	-161.68	-161.42	45.23 7.29
		80	0.32	0.85	0.08	0.84	0.09	-0.10	31.96	-167.07	-164.57	29.46 22.14
26	4	90	0.89	1.40	-0.39	1.38	-0.37	-0.20	198.37	-390.16	-368.82	177.03
110.02												
		68	0.80	1.59	0.48	1.56	0.51	-0.20	146.21	-380.02	-375.83	142.01-46.82
		31	1.37	1.01	0.33	0.95	0.39	-0.20	66.46	-780.20	-775.76	62.02-61.11
		80	1.42	0.80	-0.53	0.77	-0.49	-0.20	107.50	-779.22	-768.76	97.05 95.73
26	5	90	0.26	0.19	-0.10	0.14	-0.05	-0.10	40.17	-130.95	-129.30	38.53 16.71
		68	0.27	0.17	-0.14	0.13	-0.10	-0.10	53.76	-126.26	-126.26	53.76 0.35
		31	0.34	0.84	0.02	0.83	0.04	-0.10	45.62	-168.17	-167.97	45.41 6.56
		80	0.33	0.85	0.07	0.84	0.09	-0.10	32.76	-173.60	-171.02	30.18 22.92
26	6	90	0.68	1.00	-0.29	0.98	-0.27	-0.17	146.35	-305.20	-290.70	131.86 79.59

		68	0.63	1.13	0.28	1.09	0.31	-0.17	115.64	-296.84	-294.43	113.23	-31.43
		31	1.03	0.95	0.23	0.91	0.28	-0.17	59.00	-579.93	-577.53	56.61	-39.04
		80	1.06	0.82	-0.33	0.79	-0.30	-0.17	83.13	-581.70	-573.81	75.24	71.99
26	7	90	0.26	0.19	-0.10	0.14	-0.05	-0.10	40.17	-130.95	-129.30	38.53	16.71
		68	0.27	0.17	-0.14	0.13	-0.10	-0.10	53.76	-126.26	-126.26	53.76	0.35
		31	0.34	0.84	0.02	0.83	0.04	-0.10	45.62	-168.17	-167.97	45.41	6.56
		80	0.33	0.85	0.07	0.84	0.09	-0.10	32.76	-173.60	-171.02	30.18	22.92
26	8	90	0.56	0.75	-0.23	0.73	-0.20	-0.15	114.20	-252.63	-242.28	103.86	60.72
		68	0.52	0.84	0.15	0.80	0.19	-0.15	96.79	-245.39	-243.98	95.39	-21.90
		31	0.82	0.92	0.17	0.88	0.21	-0.15	54.51	-455.93	-454.67	53.25	-25.36
		80	0.84	0.83	-0.21	0.81	-0.19	-0.15	68.02	-459.27	-452.97	61.72	57.27
26	9	90	0.26	0.19	-0.10	0.14	-0.05	-0.10	40.17	-130.95	-129.30	38.53	16.71
		68	0.27	0.17	-0.14	0.13	-0.10	-0.10	53.76	-126.26	-126.26	53.76	0.35
		31	0.34	0.84	0.02	0.83	0.04	-0.10	45.62	-168.17	-167.97	45.41	6.56
		80	0.33	0.85	0.07	0.84	0.09	-0.10	32.76	-173.60	-171.02	30.18	22.92
26	10	90	0.51	0.67	-0.21	0.64	-0.18	-0.14	103.51	-235.13	-226.14	94.53	54.44
		68	0.48	0.74	0.11	0.71	0.15	-0.14	90.54	-228.26	-227.16	89.44	-18.72
		31	0.75	0.91	0.15	0.88	0.18	-0.14	53.06	-414.64	-413.71	52.13	-20.80
		80	0.77	0.83	-0.17	0.81	-0.15	-0.14	62.98	-418.46	-412.69	57.22	52.36
26	11	90	0.65	7.83	-4.11	3.98	-0.26	-5.58	21.99	-306.45	-195.88	-88.58	-155.21
		68	0.53	4.50	-1.82	3.86	-1.19	1.90	149.88	-195.07	-148.85	103.66	117.51
		31	1.42	21.89	1.72	21.85	1.76	0.93	811.79	201.17	522.57	490.39	304.89
		80	1.08	24.29	1.50	22.23	3.55	-6.53	462.96	76.80	462.53	77.23	-12.91
26	12	90	0.75	4.19	-2.29	2.36	-0.46	-2.92	101.94	-339.12	-92.04	-145.15	-218.92
		68	0.59	2.54	-2.54	2.43	-2.44	0.73	41.11	-306.28	-89.73	-175.44	168.32
		31	1.50	10.85	0.82	10.84	0.82	0.28	867.31	149.43	807.07	209.67	199.05
		80	1.42	12.03	0.40	10.97	1.46	-3.35	771.40	76.84	753.12	95.12	-111.18
26	13	90	1.44	2.21	-3.19	-1.08	0.10	2.63	464.48	-490.53	-360.25	334.20	327.80
		68	1.26	2.99	-1.27	-1.02	2.73	-1.01	409.05	-419.32	-364.59	354.32	-205.77
		31	2.88	-0.42	-9.13	-9.09	-0.46	-0.57	-68.44	-1671.46	-1634.49	-105.41	-240.64
		80	2.88	-0.68	-10.43	-9.35	-1.76	3.06	47.98	-1607.17	-1578.51	19.32	215.90
26	14	90	1.22	4.05	-6.85	-2.70	-0.10	5.29	386.16	-364.94	-256.41	277.63	264.08
		68	0.82	2.46	-3.42	-2.44	1.48	-2.19	130.31	-360.57	-305.47	75.22	-154.95
		31	2.54	-1.32	-20.18	-20.10	-1.40	-1.22	-274.50	-1461.61	-1349.99	-386.13	-346.48
		80	2.54	-1.78	-22.68	-20.61	-3.85	6.24	47.56	-1298.27	-1287.91	37.20	117.63
26	15	90	0.89	8.09	-4.35	3.99	-0.26	-5.84	59.21	-412.27	-198.03	-155.03	-234.76
		68	0.54	4.55	-1.80	3.84	-1.09	2.01	166.71	-191.76	-145.85	120.81	119.78
		31	1.46	22.84	1.77	22.80	1.81	0.99	840.40	188.85	505.90	523.35	325.66
		80	1.11	25.37	1.58	23.20	3.74	-6.84	465.14	73.29	464.06	74.37	-20.51
26	16	90	0.50	3.95	-2.06	2.35	-0.46	-2.65	55.20	-223.78	-89.89	-78.69	-139.38
		68	0.59	2.53	-2.61	2.45	-2.53	0.62	30.73	-316.05	-92.73	-192.59	166.05
		31	1.50	9.90	0.77	9.90	0.77	0.22	869.61	130.84	823.74	176.71	178.28
		80	1.39	10.95	0.32	10.00	1.27	-3.04	767.61	81.95	751.59	97.98	-103.58
26	17	90	1.22	1.95	-2.92	-1.06	0.10	2.37	353.79	-448.45	-362.40	267.74	248.25
		68	1.27	3.03	-1.24	-1.03	2.83	-0.91	424.16	-414.29	-361.59	371.46	-203.49
		31	2.90	-0.38	-8.18	-8.14	-0.41	-0.51	-42.40	-1681.21	-1651.16	-72.45	-219.87
		80	2.85	-0.60	-9.35	-8.38	-1.57	2.75	43.24	-1603.75	-1576.97	16.46	

208.30													
26	18	90	1.46	4.30	-7.11	-2.71	-0.10	5.56	500.53	-410.70	-254.26	344.09	
343.63													
		68	0.81	2.46	-3.50	-2.43	1.38	-2.29	116.27	-366.67	-308.47	58.07	-
157.23													
		31	2.55	-1.37	-21.13	-21.04	-1.45	-1.28	-289.84	-1462.57	-1333.32	-419.10	-
367.25													
		80	2.57	-1.86	-23.76	-21.58	-4.04	6.56	51.76	-1301.14	-1289.45	40.06	
125.23													
26	19	90	0.71	7.90	-4.26	3.88	-0.25	-5.72	24.21	-333.77	-203.17	-106.38	-
172.32													
		68	0.53	4.41	-1.91	3.72	-1.23	1.97	157.56	-194.04	-141.92	105.44	
124.93													
		31	1.55	22.44	1.71	22.40	1.76	0.98	883.81	228.43	604.18	508.06	
324.15													
		80	1.22	24.92	1.56	22.80	3.68	-6.71	539.49	78.40	538.58	79.31	-20.44
26	20	90	0.81	4.25	-2.44	2.26	-0.45	-3.06	107.03	-369.32	-99.33	-162.95	-
236.04													
		68	0.61	2.42	-2.61	2.30	-2.48	0.80	53.29	-309.76	-82.81	-173.66	
175.75													
		31	1.64	11.40	0.81	11.39	0.82	0.32	954.24	161.78	888.68	227.34	
218.30													
		80	1.55	12.66	0.47	11.54	1.59	-3.52	847.94	78.42	829.17	97.19	-
118.71													
26	21	90	1.49	2.38	-3.27	-0.98	0.08	2.77	492.68	-493.64	-352.95	352.00	
344.91													
		68	1.27	3.07	-1.18	-0.88	2.77	-1.08	410.65	-429.62	-371.52	352.54	-
213.19													
		31	3.02	-0.42	-9.67	-9.63	-0.46	-0.61	-81.76	-1757.42	-1716.09	-123.08	-
259.90													
		80	3.01	-0.74	-11.06	-9.92	-1.88	3.24	46.59	-1683.90	-1654.56	17.24	
223.43													
26	22	90	1.27	4.22	-6.93	-2.60	-0.12	5.43	414.57	-368.25	-249.11	295.43	
281.19													
		68	0.84	2.57	-3.35	-2.30	1.52	-2.26	132.67	-371.64	-312.40	73.44	-
162.37													
		31	2.69	-1.31	-20.72	-20.64	-1.39	-1.26	-286.94	-1548.46	-1431.60	-403.80	-
365.74													
		80	2.68	-1.84	-23.31	-21.18	-3.97	6.42	46.24	-1375.07	-1363.96	35.13	
125.16													
26	23	90	0.94	8.16	-4.51	3.90	-0.25	-5.99	63.32	-441.48	-205.32	-172.84	-
251.87													
		68	0.54	4.47	-1.90	3.70	-1.13	2.07	174.26	-190.60	-138.93	122.59	
127.21													
		31	1.59	23.39	1.76	23.34	1.81	1.03	909.96	218.57	587.51	541.02	
344.91													
		80	1.24	25.99	1.64	23.77	3.87	-7.02	541.80	74.76	540.11	76.45	-28.04
26	24	90	0.55	4.01	-2.20	2.25	-0.45	-2.80	59.65	-253.33	-97.18	-96.49	-
156.49													
		68	0.61	2.41	-2.67	2.31	-2.57	0.69	42.94	-319.55	-85.81	-190.81	
173.47													
		31	1.65	10.45	0.76	10.44	0.77	0.27	956.54	143.18	905.35	194.38	
197.54													
		80	1.53	11.58	0.38	10.57	1.40	-3.21	844.23	83.46	827.64	100.05	-
111.11													
26	25	90	1.26	2.12	-3.01	-0.97	0.08	2.51	381.19	-450.74	-355.10	285.55	
265.36													
		68	1.29	3.11	-1.13	-0.90	2.87	-0.98	425.70	-424.53	-368.52	369.68	-
210.91													
		31	3.04	-0.37	-8.72	-8.69	-0.40	-0.55	-56.01	-1766.87	-1732.76	-90.12	-
239.13													
		80	2.99	-0.66	-9.98	-8.95	-1.69	2.92	41.87	-1680.51	-1653.02	14.38	
215.83													
26	26	90	1.52	4.47	-7.20	-2.61	-0.12	5.70	529.49	-414.57	-246.97	361.89	
360.74													
		68	0.83	2.57	-3.44	-2.29	1.42	-2.36	118.74	-377.84	-315.40	56.29	-
164.65													
		31	2.69	-1.36	-21.67	-21.59	-1.44	-1.32	-302.48	-1549.21	-1414.93	-436.76	-
386.51													
		80	2.70	-1.92	-24.39	-22.15	-4.16	6.73	50.44	-1377.95	-1365.50	37.99	
132.76													
26	27	90	0.92	8.24	-4.04	4.11	0.10	-5.81	140.49	-389.65	-374.55	125.39	88.18

		68	1.23	5.23	0.23	3.82	1.65	2.25	520.72	-297.03	-293.33	517.02	-54.93
		31	2.12	23.93	2.01	23.87	2.08	1.17	655.57	-610.53	-564.31	609.35	
237.44													
		80	1.56	26.44	2.00	24.32	4.13	-6.89	85.00	-639.77	-590.86	36.09	
181.81													
26	28	90	0.46	2.14	-4.02	-1.30	-0.57	3.06	79.62	-171.22	-28.42	-63.17	-
124.21													
		68	0.72	0.11	-3.58	-0.94	-2.53	-1.66	-59.27	-450.34	-96.27	-413.33	
114.47													
		31	1.24	-0.96	-12.92	-12.83	-1.05	-1.01	402.28	-344.62	384.01	-326.36	-
115.37													
		80	0.93	-1.64	-14.42	-13.22	-2.83	3.72	439.56	33.94	377.79	95.71	-
145.74													
26	29	90	1.28	4.95	-2.15	2.59	0.21	-3.34	324.79	-496.43	-423.87	252.22	
233.08													
		68	1.45	3.99	1.19	2.35	2.82	1.38	615.91	-381.74	-358.05	592.21	-
151.91													
		31	2.68	14.62	1.37	14.58	1.41	0.72	433.92	-1214.74	-1211.43	430.61	73.78
		80	2.40	16.03	1.35	14.84	2.54	-4.01	68.06	-1252.52	-1203.17	18.72	
250.46													
26	30	90	0.33	4.00	-7.29	-2.82	-0.46	5.52	66.63	-80.70	-77.73	63.66	20.69
		68	0.51	0.72	-4.47	-2.40	-1.35	-2.54	-159.29	-339.85	-160.99	-338.14	17.48
		31	1.19	-1.61	-22.22	-22.11	-1.71	-1.46	-79.97	-688.23	-263.11	-505.10	-
279.03													
		80	0.80	-2.29	-24.83	-22.69	-4.43	6.60	96.30	-252.49	-234.52	78.34	-77.09
26	31	90	0.91	8.27	-4.09	4.08	0.10	-5.85	133.56	-390.26	-376.74	120.05	83.05
		68	1.23	5.22	0.19	3.77	1.63	2.27	520.97	-294.67	-291.25	517.55	-52.70
		31	2.10	24.09	2.01	24.03	2.07	1.19	663.80	-588.97	-539.83	614.66	
243.21													
		80	1.53	26.63	2.02	24.49	4.17	-6.94	86.01	-617.34	-568.05	36.72	
179.55													
26	32	90	0.47	2.09	-3.99	-1.33	-0.57	3.01	81.17	-180.29	-30.61	-68.51	-
129.35													
		68	0.72	0.06	-3.58	-0.98	-2.54	-1.64	-56.03	-450.97	-94.19	-412.80	
116.69													
		31	1.27	-0.96	-12.75	-12.67	-1.05	-1.00	424.60	-337.16	408.49	-321.05	-
109.59													
		80	0.96	-1.62	-14.23	-13.05	-2.80	3.67	460.71	36.23	400.60	96.34	-
148.00													
26	33	90	1.29	4.92	-2.11	2.62	0.20	-3.30	332.78	-496.89	-421.68	257.56	
238.22													
		68	1.46	3.99	1.24	2.39	2.83	1.36	616.02	-384.47	-360.13	591.68	-
154.13													
		31	2.71	14.46	1.37	14.42	1.41	0.71	428.09	-1238.69	-1235.91	425.31	68.00
		80	2.43	15.84	1.33	14.67	2.50	-3.96	67.47	-1275.36	-1225.99	18.10	
252.72													
26	34	90	0.34	4.05	-7.31	-2.79	-0.47	5.56	73.48	-80.02	-75.55	69.00	25.82
		68	0.51	0.76	-4.46	-2.36	-1.34	-2.56	-161.76	-339.99	-163.07	-338.67	15.26
		31	1.22	-1.61	-22.38	-22.28	-1.71	-1.47	-93.17	-704.81	-287.59	-510.40	-
284.81													
		80	0.84	-2.31	-25.02	-22.86	-4.46	6.65	93.67	-273.29	-257.34	77.72	-74.83
26	35	90	0.87	9.11	-4.87	4.14	0.10	-6.69	-11.52	-466.33	-381.72	-96.13	-
176.98													
		68	1.30	5.61	0.11	3.76	1.97	2.60	576.77	-285.94	-283.33	574.16	-47.33
		31	2.45	27.09	2.17	27.02	2.25	1.36	786.13	-686.76	-619.88	719.25	
306.66													
		80	1.57	30.04	2.28	27.55	4.76	-7.93	64.23	-623.42	-585.75	26.56	
156.49													
26	36	90	0.59	3.00	-4.92	-1.34	-0.57	3.94	235.67	-98.58	-21.26	158.34	
140.95													
		68	0.79	0.37	-4.10	-0.88	-2.85	-2.01	-77.22	-499.52	-106.27	-470.48	
106.87													
		31	1.57	-1.12	-16.08	-15.98	-1.22	-1.20	476.89	-473.56	439.58	-436.25	-
184.60													
		80	0.94	-1.91	-18.01	-16.45	-3.47	4.76	418.90	59.02	372.67	105.25	-
120.41													
26	37	90	0.79	5.81	-2.98	2.63	0.21	-4.23	32.93	-433.25	-431.03	30.71	-32.08
		68	1.53	4.50	0.94	2.30	3.14	1.73	669.82	-368.51	-348.05	649.36	-
144.31													
		31	2.97	17.79	1.53	17.74	1.58	0.91	551.75	-1278.24	-1267.00	540.51	
143.00													
		80	2.41	19.62	1.62	18.07	3.17	-5.05	49.80	-1238.68	-1198.06	9.19	

225.13													
26	38	90	1.16	4.85	-8.18	-2.86	-0.46	6.40	443.98	-229.37	-70.57	285.18	
285.85													
		68	0.60	0.90	-4.91	-2.34	-1.67	-2.89	-170.56	-395.72	-170.99	-395.28	9.89
		31	1.42	-1.77	-25.38	-25.26	-1.89	-1.65	-7.80	-814.73	-207.54	-614.99	-
348.25													
		80	0.87	-2.56	-28.43	-25.93	-5.06	7.64	95.86	-247.63	-239.64	87.87	-51.77
26	39	90	0.88	9.14	-4.92	4.11	0.10	-6.73	-12.23	-473.14	-383.91	-101.47	-
182.12													
		68	1.29	5.60	0.07	3.72	1.96	2.62	577.06	-283.62	-281.25	574.69	-45.11
		31	2.43	27.26	2.17	27.18	2.25	1.37	794.77	-665.62	-595.40	724.55	
312.44													
		80	1.54	30.22	2.30	27.72	4.80	-7.98	65.06	-600.81	-562.93	27.18	
154.23													
26	40	90	0.58	2.95	-4.89	-1.37	-0.57	3.90	226.74	-97.18	-23.45	153.00	
135.82													
		68	0.80	0.32	-4.11	-0.92	-2.86	-1.99	-74.12	-500.02	-104.19	-469.95	
109.10													
		31	1.59	-1.13	-15.91	-15.82	-1.22	-1.18	498.46	-465.35	464.06	-430.95	-
178.82													
		80	0.97	-1.89	-17.82	-16.28	-3.43	4.71	440.46	60.90	395.49	105.87	-
122.67													
26	41	90	0.79	5.79	-2.93	2.66	0.20	-4.18	37.60	-430.40	-428.84	36.05	-26.95
		68	1.53	4.50	0.99	2.34	3.16	1.70	669.88	-371.19	-350.13	648.82	-
146.54													
		31	3.00	17.62	1.53	17.57	1.58	0.90	545.46	-1301.73	-1291.48	535.20	
137.23													
		80	2.45	19.44	1.60	17.90	3.13	-5.00	49.27	-1261.58	-1220.87	8.56	
227.39													
26	42	90	1.18	4.91	-8.20	-2.83	-0.47	6.45	452.94	-230.80	-68.38	290.52	
290.99													
		68	0.60	0.94	-4.91	-2.30	-1.66	-2.91	-172.81	-396.08	-173.07	-395.82	7.66
		31	1.44	-1.77	-25.54	-25.43	-1.88	-1.66	-22.39	-829.92	-232.02	-620.29	-
354.03													
		80	0.91	-2.58	-28.61	-26.10	-5.10	7.70	94.12	-269.33	-262.45	87.25	-49.51
26	43	90	0.52	6.29	-3.27	3.27	-0.24	-4.45	8.21	-261.70	-202.67	-50.82	-
111.57													
		68	0.50	3.66	-1.39	3.18	-0.92	1.47	128.76	-191.86	-164.71	101.62	89.26
		31	1.05	17.50	1.39	17.47	1.43	0.71	603.67	124.55	329.56	398.66	
237.05													
		80	0.71	19.39	1.15	17.76	2.78	-5.20	282.05	73.00	282.05	73.01	0.70
26	44	90	0.56	3.42	-1.84	1.99	-0.40	-2.34	54.24	-269.83	-120.84	-94.75	-
161.51													
		68	0.44	2.13	-1.96	2.06	-1.89	0.55	10.09	-248.72	-119.10	-119.52	
129.40													
		31	1.05	8.77	0.68	8.77	0.69	0.19	606.92	121.62	552.14	176.40	
153.57													
		80	0.97	9.70	0.29	8.86	1.13	-2.69	523.52	73.02	509.90	86.64	-77.14
26	45	90	1.23	1.76	-2.42	-0.70	0.04	2.06	385.74	-433.38	-331.45	283.81	
270.38													
		68	1.08	2.41	-0.87	-0.64	2.18	-0.83	339.65	-376.47	-335.22	298.40	-
166.84													
		31	2.43	-0.29	-7.05	-7.01	-0.33	-0.48	-43.63	-1408.07	-1379.56	-72.14	-
195.16													
		80	2.43	-0.56	-8.10	-7.24	-1.43	2.40	51.64	-1359.13	-1335.28	27.79	
181.86													
26	46	90	1.05	3.21	-5.31	-1.98	-0.12	4.16	324.52	-334.26	-249.62	239.88	
220.44													
		68	0.73	2.03	-2.58	-1.76	1.21	-1.76	116.76	-329.11	-289.61	77.26	-
126.70													
		31	2.15	-1.00	-15.79	-15.72	-1.06	-1.00	-212.22	-1239.17	-1156.98	-294.40	-
278.65													
		80	2.17	-1.44	-17.78	-16.14	-3.08	4.91	50.77	-1116.77	-1107.43	41.43	
104.02													
26	47	90	0.68	6.49	-3.46	3.28	-0.24	-4.66	27.86	-334.96	-204.38	-102.71	-
174.14													
		68	0.51	3.70	-1.37	3.17	-0.84	1.56	142.43	-189.48	-162.27	115.22	91.06
		31	1.09	18.26	1.43	18.22	1.47	0.75	629.84	111.16	316.17	424.82	
253.58													
		80	0.73	20.25	1.22	18.53	2.93	-5.45	283.39	70.53	283.25	70.66	-5.32
26	48	90	0.38	3.23	-1.65	1.98	-0.40	-2.13	25.03	-187.02	-119.13	-42.87	-98.94
		68	0.44	2.12	-2.02	2.07	-1.97	0.46	0.39	-255.06	-121.55	-133.12	

127.60													
		31	1.05	8.02	0.64	8.02	0.65	0.15	606.68	109.09	565.53	150.24	
137.04													
		80	0.95	8.84	0.22	8.09	0.98	-2.44	520.41	77.26	508.69	88.98	-71.11
26	49	90	1.06	1.55	-2.21	-0.69	0.04	1.85	300.11	-401.35	-333.16	231.92	
207.81													
		68	1.09	2.44	-0.84	-0.65	2.26	-0.75	351.79	-372.56	-332.77	312.00	-
165.04													
		31	2.44	-0.25	-6.29	-6.26	-0.28	-0.43	-22.69	-1416.24	-1392.95	-45.98	-
178.63													
		80	2.41	-0.50	-7.24	-6.47	-1.27	2.15	47.82	-1356.45	-1334.07	25.45	
175.83													
26	50	90	1.24	3.41	-5.53	-1.99	-0.12	4.37	412.96	-369.10	-247.90	291.77	
283.01													
		68	0.73	2.03	-2.65	-1.75	1.13	-1.84	105.23	-333.62	-292.05	63.66	-
128.50													
		31	2.15	-1.03	-16.54	-16.47	-1.10	-1.04	-225.65	-1238.51	-1143.59	-320.56	-
295.18													
		80	2.19	-1.50	-18.64	-16.91	-3.23	5.16	54.18	-1119.05	-1108.64	43.77	
110.04													
26	51	90	0.56	6.34	-3.39	3.18	-0.23	-4.56	7.52	-280.90	-208.50	-64.89	-
125.06													
		68	0.50	3.58	-1.47	3.06	-0.95	1.53	134.05	-190.06	-159.21	103.19	95.12
		31	1.14	17.94	1.39	17.90	1.42	0.74	655.88	150.90	394.19	412.59	
252.32													
		80	0.82	19.88	1.20	18.21	2.88	-5.34	342.39	74.43	342.28	74.54	-5.25
26	52	90	0.60	3.47	-1.95	1.90	-0.39	-2.46	57.48	-292.97	-126.67	-108.82	-
175.00													
		68	0.46	2.03	-2.01	1.94	-1.92	0.60	19.51	-251.06	-113.60	-117.95	
135.27													
		31	1.17	9.20	0.68	9.20	0.68	0.23	675.52	131.58	616.76	190.34	
168.84													
		80	1.08	10.19	0.34	9.30	1.23	-2.83	584.05	74.25	570.13	88.17	-83.09
26	53	90	1.27	1.90	-2.49	-0.62	0.03	2.17	407.75	-435.50	-325.62	297.87	
283.87													
		68	1.09	2.47	-0.79	-0.52	2.21	-0.89	340.61	-384.51	-340.73	296.83	-
172.71													
		31	2.54	-0.29	-7.48	-7.44	-0.32	-0.51	-54.22	-1476.04	-1444.18	-86.08	-
210.43													
		80	2.54	-0.61	-8.59	-7.68	-1.52	2.54	50.65	-1419.91	-1395.52	26.26	
187.81													
26	54	90	1.09	3.35	-5.38	-1.90	-0.13	4.27	346.63	-336.48	-243.79	253.94	
233.93													
		68	0.75	2.12	-2.52	-1.65	1.25	-1.81	118.20	-337.64	-295.12	75.69	-
132.57													
		31	2.27	-0.99	-16.22	-16.15	-1.06	-1.03	-221.92	-1308.02	-1221.61	-308.34	-
293.91													
		80	2.28	-1.49	-18.27	-16.59	-3.17	5.05	49.83	-1177.60	-1167.67	39.90	
109.97													
26	55	90	0.73	6.55	-3.59	3.19	-0.23	-4.77	29.87	-356.86	-210.21	-116.78	-
187.63													
		68	0.51	3.63	-1.45	3.05	-0.87	1.61	147.66	-187.63	-156.76	116.79	96.93
		31	1.18	18.69	1.43	18.65	1.46	0.79	680.18	139.37	380.80	438.76	
268.85													
		80	0.84	20.74	1.27	18.98	3.03	-5.59	343.96	71.73	343.49	72.19	-11.27
26	56	90	0.42	3.27	-1.77	1.89	-0.39	-2.25	26.52	-208.40	-124.96	-56.93	-
112.43													
		68	0.46	2.02	-2.06	1.95	-2.00	0.52	9.89	-257.48	-116.04	-131.55	
133.46													
		31	1.17	8.45	0.64	8.45	0.64	0.18	675.52	118.81	630.16	164.17	
152.31													
		80	1.06	9.34	0.27	8.53	1.07	-2.58	581.03	78.41	568.92	90.51	-77.06
26	57	90	1.09	1.69	-2.28	-0.61	0.03	1.96	321.46	-402.82	-327.33	245.98	
221.30													
		68	1.11	2.50	-0.75	-0.54	2.29	-0.80	352.70	-380.55	-338.28	310.43	-
170.91													
		31	2.56	-0.25	-6.73	-6.69	-0.28	-0.47	-33.51	-1483.98	-1457.58	-59.91	-
193.90													
		80	2.52	-0.55	-7.74	-6.91	-1.37	2.29	46.85	-1417.24	-1394.31	23.92	
181.78													
26	58	90	1.28	3.55	-5.59	-1.91	-0.13	4.48	435.57	-371.81	-242.08	305.83	
296.51													

		68	0.74	2.12	-2.59	-1.64	1.17	-1.90	106.74	-342.22	-297.56	62.09	-
134.37													
		31	2.27	-1.03	-16.97	-16.90	-1.10	-1.07	-235.43	-1307.29	-1208.22	-334.50	-
310.44													
		80	2.30	-1.55	-19.13	-17.36	-3.33	5.30	53.25	-1179.88	-1168.87	42.24	
115.99													
26	59	90	0.83	6.62	-3.21	3.38	0.04	-4.62	131.16	-356.83	-343.21	117.55	80.37
		68	1.07	4.20	0.25	3.16	1.29	1.75	431.63	-280.74	-277.60	428.49	-47.21
		31	1.81	19.10	1.63	19.06	1.67	0.90	525.04	-560.15	-528.30	493.18	
183.18													
		80	1.39	21.07	1.56	19.40	3.24	-5.47	79.42	-587.98	-549.84	41.28	
154.92													
26	60	90	0.33	1.70	-3.09	-0.90	-0.48	2.38	38.89	-138.22	-70.44	-28.89	-86.08
		68	0.52	0.24	-2.76	-0.59	-1.93	-1.34	-91.10	-343.12	-125.57	-308.64	86.60
		31	0.84	-0.71	-10.03	-9.96	-0.78	-0.83	232.45	-266.52	213.62	-247.68	-95.10
		80	0.60	-1.33	-11.22	-10.28	-2.27	2.90	269.47	26.91	209.65	86.72	-
104.55													
26	61	90	1.11	4.02	-1.71	2.19	0.12	-2.67	275.73	-439.65	-381.85	217.94	
194.95													
		68	1.24	3.18	1.06	2.01	2.22	1.05	505.96	-347.18	-328.75	487.52	-
124.04													
		31	2.27	11.74	1.12	11.71	1.15	0.54	353.99	-1043.09	-1041.03	351.94	53.51
		80	2.05	12.83	1.04	11.90	1.97	-3.19	67.44	-1074.76	-1035.04	27.71	
209.27													
26	62	90	0.36	3.17	-5.66	-2.09	-0.40	4.33	75.90	-113.47	-109.07	71.50	28.50
		68	0.39	0.70	-3.43	-1.74	-1.00	-2.03	-175.44	-250.90	-176.72	-249.61	9.77
		31	1.00	-1.22	-17.39	-17.30	-1.31	-1.19	-114.81	-573.23	-299.12	-388.92	-
224.77													
		80	0.79	-1.85	-19.46	-17.78	-3.53	5.18	80.24	-282.63	-275.54	73.16	-50.20
26	63	90	0.82	6.64	-3.24	3.35	0.04	-4.65	125.70	-357.34	-344.96	113.33	76.32
		68	1.06	4.19	0.22	3.12	1.28	1.76	431.88	-278.87	-275.95	428.96	-45.45
		31	1.79	19.23	1.62	19.19	1.67	0.91	531.25	-542.80	-508.91	497.36	
187.76													
		80	1.36	21.22	1.57	19.53	3.26	-5.51	80.07	-570.10	-531.77	41.74	
153.14													
26	64	90	0.34	1.66	-3.06	-0.93	-0.48	2.35	39.58	-144.87	-72.19	-33.10	-90.13
		68	0.52	0.19	-2.76	-0.63	-1.94	-1.32	-88.39	-343.70	-123.92	-308.17	88.36
		31	0.86	-0.71	-9.90	-9.83	-0.79	-0.82	249.62	-260.12	233.00	-243.50	-90.53
		80	0.62	-1.31	-11.07	-10.14	-2.24	2.86	284.91	29.99	227.73	87.18	-
106.34													
26	65	90	1.12	4.00	-1.67	2.21	0.12	-2.64	281.97	-439.91	-380.10	222.16	
199.00													
		68	1.24	3.18	1.10	2.04	2.23	1.04	505.97	-349.33	-330.40	487.05	-
125.80													
		31	2.30	11.61	1.12	11.58	1.15	0.53	349.46	-1062.12	-1060.42	347.76	48.93
		80	2.08	12.69	1.02	11.76	1.94	-3.15	67.02	-1092.88	-1053.11	27.25	
211.06													
26	66	90	0.37	3.21	-5.68	-2.07	-0.40	4.37	81.34	-112.94	-107.33	75.72	32.55
		68	0.39	0.73	-3.43	-1.70	-0.99	-2.05	-177.49	-250.97	-178.38	-250.08	8.01
		31	1.03	-1.22	-17.52	-17.43	-1.31	-1.20	-123.44	-588.17	-318.51	-393.10	-
229.35													
		80	0.82	-1.86	-19.61	-17.91	-3.56	5.22	78.99	-299.91	-293.61	72.70	-48.42
26	67	90	0.71	7.31	-3.86	3.41	0.04	-5.32	-7.30	-397.03	-348.92	-55.42	-
128.20													
		68	1.12	4.50	0.17	3.11	1.56	2.02	476.10	-271.73	-269.45	473.82	-41.20
		31	2.07	21.62	1.76	21.56	1.81	1.05	627.68	-620.22	-572.94	580.39	
238.28													
		80	1.39	23.93	1.78	21.97	3.74	-6.30	63.32	-575.66	-545.82	33.47	
134.84													
26	68	90	0.54	2.39	-3.80	-0.93	-0.48	3.09	200.62	-121.27	-64.73	144.08	
122.49													
		68	0.58	0.44	-3.19	-0.55	-2.20	-1.62	-107.38	-380.32	-133.72	-353.98	80.59
		31	1.10	-0.84	-12.55	-12.47	-0.92	-0.98	294.12	-370.76	258.25	-334.89	-
150.20													
		80	0.60	-1.54	-14.08	-12.85	-2.78	3.73	251.18	48.98	205.63	94.53	-84.47
26	69	90	0.72	4.70	-2.36	2.22	0.12	-3.37	45.40	-387.98	-387.56	44.97	-13.62
		68	1.29	3.59	0.87	1.97	2.49	1.33	548.88	-336.63	-320.61	532.86	-
118.03													
		31	2.50	14.26	1.25	14.22	1.29	0.69	446.85	-1093.37	-1085.67	439.15	
108.61													
		80	2.06	15.69	1.26	14.47	2.48	-4.02	52.92	-1064.03	-1031.01	19.90	
189.19													

26	70	90	0.99	3.85	-6.37	-2.12	-0.40	5.04	364.58	-223.47	-103.37	244.47	
237.07													
		68	0.45	0.84	-3.80	-1.70	-1.27	-2.31	-184.74	-295.07	-184.87	-294.95	3.75
		31	1.16	-1.35	-19.91	-19.81	-1.45	-1.33	-64.30	-666.32	-254.48	-476.13	-
279.87													
		80	0.85	-2.06	-22.32	-20.35	-4.04	6.01	83.46	-282.07	-279.57	80.97	-30.12
26	71	90	0.72	7.32	-3.90	3.38	0.04	-5.36	-8.52	-401.79	-350.67	-59.63	-
132.25													
		68	1.11	4.49	0.14	3.08	1.55	2.04	476.39	-269.89	-267.80	474.30	-39.44
		31	2.05	21.75	1.75	21.69	1.81	1.06	634.22	-603.20	-553.55	584.57	
242.86													
		80	1.37	24.08	1.79	22.10	3.77	-6.34	63.85	-557.67	-527.75	33.93	
133.05													
26	72	90	0.53	2.34	-3.78	-0.96	-0.48	3.05	193.76	-120.39	-66.48	139.86	
118.44													
		68	0.58	0.40	-3.19	-0.58	-2.21	-1.60	-104.80	-380.77	-132.06	-353.51	82.35
		31	1.12	-0.84	-12.42	-12.34	-0.92	-0.97	310.70	-363.77	277.64	-330.71	-
145.62													
		80	0.63	-1.53	-13.93	-12.71	-2.75	3.69	266.96	51.73	223.70	94.99	-86.25
26	73	90	0.73	4.68	-2.32	2.24	0.12	-3.34	49.40	-386.02	-385.81	49.19	-9.57
		68	1.30	3.59	0.91	2.00	2.50	1.32	548.86	-338.73	-322.26	532.39	-
119.79													
		31	2.52	14.13	1.25	14.09	1.29	0.68	441.96	-1112.06	-1105.06	434.97	
104.03													
		80	2.09	15.54	1.24	14.34	2.45	-3.98	52.55	-1082.19	-1049.09	19.44	
190.97													
26	74	90	1.00	3.89	-6.39	-2.10	-0.40	5.07	371.56	-224.49	-101.62	248.69	
241.12													
		68	0.46	0.88	-3.79	-1.66	-1.26	-2.33	-186.48	-295.45	-186.52	-295.42	1.99
		31	1.18	-1.35	-20.04	-19.94	-1.45	-1.34	-74.49	-679.69	-273.87	-480.31	-
284.45													
		80	0.88	-2.08	-22.47	-20.48	-4.07	6.05	82.62	-299.75	-297.64	80.51	-28.33
26	75	90	0.44	5.29	-2.71	2.82	-0.23	-3.70	6.58	-238.79	-206.60	-25.62	-82.85
		68	0.48	3.13	-1.10	2.76	-0.73	1.19	116.32	-192.59	-175.55	99.27	70.53
		31	0.81	14.62	1.19	14.59	1.21	0.56	473.95	65.25	200.51	338.69	
192.32													
		80	0.47	16.16	0.93	14.82	2.27	-4.32	162.42	69.32	161.41	70.33	9.64
26	76	90	0.45	2.93	-1.53	1.76	-0.36	-1.96	29.53	-230.45	-138.94	-61.98	-
124.16													
		68	0.37	1.88	-1.59	1.83	-1.53	0.43	-3.43	-217.85	-137.79	-83.48	
103.71													
		31	0.76	7.40	0.60	7.40	0.60	0.13	438.28	101.33	384.61	155.00	
123.30													
		80	0.68	8.16	0.21	7.46	0.91	-2.24	360.57	70.90	349.84	81.63	-54.69
26	77	90	1.09	1.45	-1.93	-0.47	-1.28e-03	1.68	334.81	-397.13	-313.35	251.03	
233.03													
		68	0.97	2.04	-0.62	-0.41	1.83	-0.71	294.95	-349.11	-316.53	262.36	-
141.15													
		31	2.13	-0.21	-5.68	-5.64	-0.24	-0.42	-27.78	-1234.99	-1212.03	-50.74	-
164.90													
		80	2.14	-0.49	-6.56	-5.84	-1.20	1.96	53.49	-1195.91	-1175.23	32.81	
159.41													
26	78	90	0.95	2.65	-4.32	-1.53	-0.13	3.41	284.06	-315.08	-245.69	214.67	
191.72													
		68	0.68	1.74	-2.05	-1.34	1.03	-1.48	109.62	-308.79	-278.77	79.61	-
107.97													
		31	1.89	-0.79	-12.90	-12.84	-0.85	-0.85	-170.61	-1091.75	-1027.93	-234.43	-
233.91													
		80	1.92	-1.21	-14.56	-13.20	-2.57	4.03	52.80	-995.49	-986.80	44.10	95.08
26	79	90	0.56	5.46	-2.87	2.83	-0.23	-3.87	13.31	-289.87	-208.01	-68.55	-
134.60													
		68	0.50	3.16	-1.08	2.75	-0.67	1.26	127.73	-190.75	-173.53	110.51	72.02
		31	0.85	15.24	1.22	15.21	1.24	0.60	497.87	51.90	189.46	360.31	
205.98													
		80	0.48	16.87	0.98	15.46	2.40	-4.53	162.64	68.17	162.41	68.40	4.66
26	80	90	0.32	2.77	-1.38	1.75	-0.36	-1.79	15.27	-171.85	-137.53	-19.05	-72.41
		68	0.36	1.88	-1.64	1.84	-1.60	0.36	-12.59	-221.94	-139.81	-94.72	
102.22													
		31	0.76	6.78	0.57	6.78	0.57	0.10	435.46	93.58	395.66	133.38	
109.65													
		80	0.66	7.45	0.16	6.82	0.78	-2.04	357.85	74.55	348.84	83.56	-49.71
26	81	90	0.95	1.29	-1.75	-0.47	-1.28e-03	1.50	264.81	-371.47	-314.76	208.10	

181.28													
		68	0.98	2.06	-0.59	-0.42	1.89	-0.64	305.08	-345.99	-314.51	273.60	-
139.66													
		31	2.14	-0.17	-5.05	-5.02	-0.20	-0.38	-10.26	-1241.94	-1223.08	-29.12	-
151.24													
		80	2.12	-0.44	-5.85	-5.20	-1.08	1.75	50.35	-1193.70	-1174.23	30.87	
154.43													
26	82	90	1.10	2.82	-4.49	-1.54	-0.13	3.59	356.30	-342.98	-244.28	257.60	
243.47													
		68	0.67	1.74	-2.11	-1.33	0.96	-1.55	99.84	-312.27	-280.79	68.37	-
109.46													
		31	1.89	-0.82	-13.52	-13.46	-0.88	-0.89	-182.59	-1090.34	-1016.88	-256.05	-
247.57													
		80	1.94	-1.26	-15.27	-13.84	-2.69	4.24	55.63	-997.39	-987.80	46.03	
100.06													
26	83	90	0.47	5.33	-2.81	2.75	-0.22	-3.79	3.80	-252.48	-211.45	-37.24	-93.98
		68	0.48	3.06	-1.16	2.66	-0.76	1.24	120.12	-190.53	-171.01	100.61	75.38
		31	0.88	14.97	1.18	14.95	1.21	0.59	512.55	91.53	253.91	350.17	
204.93													
		80	0.56	16.57	0.97	15.19	2.35	-4.44	211.35	71.43	211.19	71.59	4.73
26	84	90	0.49	2.96	-1.63	1.69	-0.35	-2.05	31.07	-248.47	-143.80	-73.59	-
135.29													
		68	0.37	1.80	-1.63	1.73	-1.56	0.47	3.82	-219.23	-133.26	-82.15	
108.56													
		31	0.86	7.76	0.59	7.75	0.60	0.16	494.36	110.14	438.01	166.48	
135.92													
		80	0.77	8.57	0.25	7.83	0.99	-2.36	410.47	72.05	399.62	82.89	-59.60
26	85	90	1.12	1.57	-1.99	-0.40	-0.01	1.77	352.80	-398.64	-308.49	262.65	
244.16													
		68	0.98	2.09	-0.55	-0.32	1.85	-0.76	295.60	-355.63	-321.07	261.03	-
146.00													
		31	2.22	-0.20	-6.04	-6.00	-0.24	-0.45	-36.58	-1291.07	-1265.43	-62.22	-
177.51													
		80	2.23	-0.53	-6.97	-6.21	-1.28	2.07	52.68	-1246.14	-1225.01	31.54	
164.32													
26	86	90	0.98	2.77	-4.37	-1.46	-0.14	3.51	302.08	-316.63	-240.84	226.29	
202.85													
		68	0.69	1.81	-2.00	-1.25	1.05	-1.52	110.58	-315.62	-283.31	78.27	-
112.82													
		31	1.99	-0.78	-13.26	-13.20	-0.84	-0.88	-178.59	-1148.65	-1081.33	-245.91	-
246.52													
		80	2.01	-1.25	-14.97	-13.57	-2.65	4.15	52.02	-1045.76	-1036.57	42.84	99.99
26	87	90	0.60	5.50	-2.97	2.76	-0.22	-3.97	13.61	-306.64	-212.87	-80.16	-
145.73													
		68	0.49	3.10	-1.14	2.65	-0.69	1.31	131.51	-188.66	-169.00	111.85	76.87
		31	0.92	15.60	1.21	15.57	1.24	0.63	535.22	79.43	242.86	371.79	
218.59													
		80	0.57	17.28	1.02	15.83	2.48	-4.64	212.19	69.66	212.19	69.66	-0.25
26	88	90	0.35	2.80	-1.47	1.68	-0.35	-1.88	13.97	-187.02	-142.38	-30.67	-83.54
		68	0.37	1.79	-1.67	1.74	-1.63	0.40	-5.24	-223.43	-135.27	-93.39	
107.07													
		31	0.85	7.14	0.56	7.13	0.56	0.12	492.11	101.81	449.07	144.86	
122.26													
		80	0.75	7.86	0.20	7.19	0.86	-2.15	407.86	75.59	398.62	84.82	-54.62
26	89	90	0.98	1.40	-1.81	-0.40	-0.01	1.59	282.24	-372.43	-309.90	219.72	
192.41													
		68	0.99	2.12	-0.52	-0.33	1.92	-0.69	305.70	-352.47	-319.05	272.27	-
144.51													
		31	2.24	-0.17	-5.41	-5.38	-0.20	-0.41	-19.24	-1297.84	-1276.49	-40.60	-
163.85													
		80	2.21	-0.48	-6.26	-5.57	-1.16	1.87	49.55	-1243.94	-1224.00	29.61	
159.34													
26	90	90	1.13	2.93	-4.55	-1.47	-0.14	3.68	374.76	-344.96	-239.42	269.22	
254.60													
		68	0.68	1.82	-2.07	-1.23	0.99	-1.59	100.87	-319.16	-285.33	67.03	-
114.31													
		31	1.99	-0.81	-13.88	-13.82	-0.88	-0.91	-190.58	-1147.23	-1070.28	-267.53	-
260.18													
		80	2.03	-1.30	-15.68	-14.21	-2.77	4.35	54.86	-1047.66	-1037.58	44.77	
104.97													
26	91	90	0.77	5.56	-2.66	2.90	-1.56e-03	-3.84	126.45	-335.71	-322.89	113.63	75.91
		68	0.96	3.55	0.28	2.73	1.10	1.42	372.36	-271.73	-268.94	369.57	-42.27

		31	1.61	15.94	1.38	15.90	1.41	0.72	439.74	-531.70	-508.66	416.70
147.81												
		80	1.28	17.56	1.26	16.17	2.65	-4.54	75.27	-557.51	-526.25	44.02
137.12												
26	92	90	0.28	1.42	-2.48	-0.63	-0.43	1.95	23.92	-128.86	-97.38	-7.57
		68	0.40	0.31	-2.25	-0.37	-1.57	-1.13	-107.69	-275.02	-143.09	-239.62
		31	0.58	-0.55	-8.15	-8.08	-0.62	-0.71	126.03	-216.64	105.01	-195.61
		80	0.40	-1.12	-9.13	-8.35	-1.90	2.37	169.75	13.78	101.86	81.67
26	93	90	1.00	3.41	-1.42	1.92	0.07	-2.23	245.16	-403.45	-354.91	196.62
170.67												
		68	1.10	2.67	0.98	1.78	1.87	0.85	433.52	-326.26	-311.24	418.50
105.78												
		31	2.01	9.85	0.96	9.83	0.98	0.42	301.21	-933.76	-932.43	299.87
		80	1.83	10.75	0.83	9.98	1.61	-2.66	66.12	-960.61	-927.24	32.76
182.05												
26	94	90	0.38	2.62	-4.60	-1.62	-0.36	3.56	80.60	-134.58	-129.40	75.43
		68	0.33	0.66	-2.78	-1.32	-0.80	-1.70	-182.52	-193.55	-185.38	-190.69
		31	0.89	-0.98	-14.23	-14.15	-1.05	-1.00	-126.17	-505.03	-318.76	-312.44
189.40												
		80	0.78	-1.55	-15.95	-14.55	-2.95	4.26	73.23	-301.95	-299.13	70.42
26	95	90	0.77	5.57	-2.69	2.88	1.18e-03	-3.87	121.94	-336.14	-324.34	110.14
		68	0.96	3.54	0.25	2.70	1.09	1.43	372.57	-270.19	-267.58	369.97
		31	1.60	16.05	1.38	16.01	1.41	0.73	444.66	-517.16	-492.64	420.14
151.60												
		80	1.25	17.68	1.28	16.28	2.67	-4.58	75.74	-542.66	-511.32	44.40
135.64												
26	96	90	0.29	1.38	-2.46	-0.65	-0.43	1.92	23.60	-133.49	-98.83	-11.05
		68	0.41	0.28	-2.25	-0.40	-1.58	-1.12	-105.34	-275.60	-141.73	-239.22
		31	0.60	-0.55	-8.04	-7.97	-0.62	-0.70	139.58	-210.72	121.03	-192.17
		80	0.41	-1.11	-9.01	-8.24	-1.88	2.34	180.11	18.73	116.79	82.05
26	97	90	1.01	3.40	-1.39	1.94	0.07	-2.20	250.26	-403.61	-353.46	200.11
174.01												
		68	1.11	2.68	1.01	1.81	1.87	0.83	433.51	-328.01	-312.60	418.10
107.23												
		31	2.03	9.75	0.96	9.73	0.98	0.42	297.52	-949.54	-948.45	296.43
		80	1.85	10.63	0.82	9.86	1.58	-2.63	65.79	-975.59	-942.18	32.38
183.52												
26	98	90	0.38	2.66	-4.62	-1.60	-0.37	3.59	85.10	-134.13	-127.94	78.91
		68	0.33	0.69	-2.78	-1.29	-0.79	-1.72	-184.90	-192.94	-186.74	-191.09
		31	0.92	-0.97	-14.33	-14.26	-1.05	-1.01	-131.91	-518.75	-334.78	-315.89
193.19												
		80	0.80	-1.56	-16.07	-14.66	-2.97	4.29	72.51	-316.54	-314.07	70.04
26	99	90	0.62	6.13	-3.20	2.93	-1.56e-03	-4.42	-0.91	-356.16	-327.60	-29.47
		68	1.00	3.79	0.22	2.70	1.32	1.65	409.11	-264.29	-262.22	407.04
		31	1.82	18.02	1.49	17.98	1.53	0.84	523.72	-580.46	-545.51	488.76
193.33												
		80	1.28	19.92	1.44	18.30	3.07	-5.23	62.39	-547.73	-522.91	37.58
120.52												
26	100	90	0.52	1.98	-3.07	-0.66	-0.43	2.53	180.40	-137.53	-92.66	135.52
110.69												
		68	0.45	0.49	-2.61	-0.33	-1.79	-1.36	-123.64	-303.25	-149.81	-277.09
		31	0.80	-0.66	-10.22	-10.15	-0.73	-0.83	178.44	-304.26	141.85	-267.68
127.76												
		80	0.39	-1.30	-11.50	-10.48	-2.32	3.06	154.27	32.36	98.52	88.11
26	101	90	0.68	3.97	-1.96	1.94	0.07	-2.81	53.54	-359.64	-359.63	53.53
		68	1.14	3.01	0.83	1.75	2.09	1.08	469.10	-317.65	-304.51	455.96
100.81												
		31	2.19	11.93	1.07	11.90	1.09	0.55	377.45	-974.78	-969.27	371.94
		80	1.84	13.11	1.01	12.10	2.02	-3.35	54.30	-951.89	-923.90	26.32
165.45												
26	102	90	0.88	3.18	-5.19	-1.65	-0.36	4.14	314.61	-220.78	-124.69	218.52
205.46												
		68	0.38	0.79	-3.09	-1.28	-1.02	-1.93	-192.10	-228.16	-192.10	-228.16
		31	1.00	-1.08	-16.31	-16.22	-1.17	-1.13	-92.75	-573.67	-281.91	-384.50
234.92												
		80	0.83	-1.73	-18.31	-16.68	-3.36	4.94	77.51	-303.13	-302.47	76.86
26	103	90	0.63	6.14	-3.23	2.91	1.18e-03	-4.45	-2.39	-359.62	-329.06	-32.95
		68	1.00	3.78	0.19	2.67	1.31	1.66	409.35	-262.78	-260.86	407.44
		31	1.81	18.13	1.48	18.08	1.53	0.85	528.92	-566.20	-529.49	492.21
197.11												
		80	1.26	20.04	1.46	18.41	3.09	-5.27	62.79	-532.81	-507.98	37.96
119.05												

26	104	90	0.51	1.95	-3.06	-0.68	-0.43	2.50	174.88	-136.96	-94.12	132.04	107.35
		68	0.45	0.45	-2.61	-0.36	-1.80	-1.35	-121.39	-303.74	-148.45	-276.69	64.82
		31	0.82	-0.66	-10.12	-10.04	-0.73	-0.83	191.59	-297.95	157.87	-264.23	-123.97
		80	0.41	-1.29	-11.38	-10.37	-2.30	3.03	164.42	37.53	113.45	88.49	-62.20
26	105	90	0.69	3.96	-1.93	1.96	0.07	-2.78	57.02	-358.18	-358.17	57.01	1.52
		68	1.15	3.01	0.86	1.78	2.09	1.06	469.06	-319.37	-305.87	455.56	-102.26
		31	2.21	11.82	1.07	11.80	1.09	0.54	373.49	-990.29	-985.29	368.49	82.38
		80	1.86	12.99	1.00	11.99	2.00	-3.31	54.01	-966.90	-938.84	25.94	166.92
26	106	90	0.89	3.22	-5.21	-1.62	-0.37	4.17	320.30	-221.52	-123.23	222.00	208.79
		68	0.38	0.82	-3.08	-1.25	-1.01	-1.95	-193.39	-228.63	-193.47	-228.56	-1.59
		31	1.02	-1.08	-16.41	-16.33	-1.17	-1.14	-100.03	-585.85	-297.93	-387.95	-238.71
		80	0.85	-1.74	-18.43	-16.79	-3.39	4.98	77.00	-317.93	-317.41	76.48	-14.33
27	1	144	0.24	-0.17	-0.46	-0.46	-0.17	0.03	12.50	-135.66	-104.29	-18.87	60.53
		39	0.24	0.25	-0.38	-0.37	0.25	0.03	64.77	-93.28	-88.51	60.00	27.02
		85	0.38	0.33	0.02	0.03	0.33	0.03	57.81	-192.55	-177.04	42.30	60.37
		93	0.40	-0.04	-0.12	-0.06	-0.10	0.03	5.93	-238.74	-193.38	-39.42	95.08
27	2	144	0.74	-0.30	-1.63	-1.63	-0.30	-0.05	-35.50	-450.18	-332.63	-153.05	186.89
		39	0.73	1.18	-1.33	-1.33	1.18	-0.05	162.02	-314.38	-277.07	124.71	127.99
		85	1.08	1.53	0.41	0.42	1.53	-0.05	190.26	-529.38	-432.71	93.58	245.41
		93	1.14	0.13	-0.02	0.11	-1.55e-03	-0.05	-1.92	-682.56	-490.26	-194.21	306.44
27	3	144	0.18	-0.12	-0.33	-0.33	-0.13	0.02	10.58	-98.47	-75.91	-11.98	44.18
		39	0.17	0.17	-0.27	-0.27	0.17	0.02	48.10	-67.69	-64.53	44.93	18.88
		85	0.28	0.23	9.73e-03	0.01	0.23	0.02	42.19	-141.98	-131.36	31.57	42.94
		93	0.30	-0.04	-0.10	-0.05	-0.08	0.02	4.89	-175.45	-143.15	-27.41	69.15
27	4	144	0.67	-0.25	-1.50	-1.50	-0.26	-0.06	-37.24	-413.18	-304.25	-146.16	170.54
		39	0.67	1.11	-1.23	-1.23	1.11	-0.06	145.66	-289.11	-253.09	109.64	119.85
		85	0.98	1.43	0.40	0.40	1.43	-0.06	175.29	-479.46	-387.03	82.85	227.99
		93	1.03	0.15	-6.23e-03	0.12	0.02	-0.06	-2.40	-619.83	-440.04	-182.19	280.51
27	5	144	0.18	-0.13	-0.34	-0.34	-0.13	0.02	10.04	-101.80	-78.35	-13.41	45.52
		39	0.18	0.18	-0.28	-0.28	0.18	0.02	49.07	-69.98	-66.54	45.62	19.96
		85	0.29	0.24	0.01	0.02	0.24	0.02	43.48	-145.45	-134.08	32.11	44.92
		93	0.30	-0.04	-0.09	-0.05	-0.08	0.02	4.71	-180.08	-146.32	-29.06	71.41
27	6	144	0.51	-0.21	-1.12	-1.12	-0.22	-0.03	-22.09	-311.35	-230.57	-102.87	129.77
		39	0.51	0.80	-0.92	-0.92	0.80	-0.03	113.66	-217.14	-192.25	88.76	87.27
		85	0.75	1.04	0.28	0.28	1.04	-0.03	131.28	-369.51	-304.53	66.30	168.28
		93	0.79	0.08	-0.02	0.07	-0.01	-0.03	-0.94	-475.55	-344.24	-132.25	212.31
27	7	144	0.18	-0.13	-0.34	-0.34	-0.13	0.02	10.04	-101.80	-78.35	-13.41	45.52
		39	0.18	0.18	-0.28	-0.28	0.18	0.02	49.07	-69.98	-66.54	45.62	19.96
		85	0.29	0.24	0.01	0.02	0.24	0.02	43.48	-145.45	-134.08	32.11	44.92
		93	0.30	-0.04	-0.09	-0.05	-0.08	0.02	4.71	-180.08	-146.32	-29.06	71.41
27	8	144	0.41	-0.19	-0.89	-0.89	-0.19	-0.01	-12.64	-248.29	-184.91	-76.03	104.49
		39	0.41	0.62	-0.73	-0.73	0.62	-0.01	93.93	-172.64	-154.53	75.82	67.08
		85	0.61	0.80	0.20	0.20	0.80	-0.01	104.23	-301.58	-253.40	56.05	131.27
		93	0.64	0.04	-0.04	0.03	-0.03	-0.01	0.15	-386.31	-284.86	-101.29	170.04
27	9	144	0.18	-0.13	-0.34	-0.34	-0.13	0.02	10.04	-101.80	-78.35	-13.41	45.52
		39	0.18	0.18	-0.28	-0.28	0.18	0.02	49.07	-69.98	-66.54	45.62	19.96
		85	0.29	0.24	0.01	0.02	0.24	0.02	43.48	-145.45	-134.08	32.11	44.92
		93	0.30	-0.04	-0.09	-0.05	-0.08	0.02	4.71	-180.08	-146.32	-29.06	71.41
27	10	144	0.38	-0.18	-0.81	-0.81	-0.18	-9.45e-03	-9.48	-227.29	-169.68	-67.09	96.07
		39	0.37	0.56	-0.66	-0.66	0.56	-9.45e-03	87.38	-157.84	-141.96	71.51	60.35
		85	0.57	0.72	0.17	0.17	0.72	-9.45e-03	95.28	-279.01	-236.35	52.63	118.93

		93	0.60	0.02	-0.04	0.02	-0.04	-9.45e-03	0.58	-356.62	-265.07	-90.97	
155.95													
27	11	144	0.80	-1.15	-6.22	-5.68	-1.68	-1.56	243.33	-291.95	-127.28	78.66	
247.04													
		39	0.54	3.45	-4.68	-4.67	3.44	0.31	170.20	-126.07	-105.55	149.68	75.23
		85	1.27	5.48	5.06e-03	0.95	4.54	2.07	85.87	-685.88	-668.94	68.93	
113.08													
		93	1.43	0.18	-0.92	0.07	-0.81	0.33	98.42	-803.71	-685.84	-19.45	
304.04													
27	12	144	0.52	-0.20	-2.39	-2.16	-0.43	-0.68	239.18	-96.84	18.82	123.51	-
159.65													
		39	0.73	1.93	-1.69	-1.69	1.93	0.02	344.36	-132.21	32.18	179.97	-
226.54													
		85	0.80	2.62	0.56	0.77	2.41	0.62	201.17	-343.29	-248.57	106.46	-
206.39													
		93	0.62	0.55	-0.09	0.54	-0.08	0.08	104.79	-299.81	-257.70	62.69	-
123.54													
27	13	144	1.16	1.00	-0.39	0.54	0.07	0.66	47.42	-663.30	-358.19	-257.69	
351.79													
		39	1.13	0.37	-0.82	0.37	-0.82	-0.04	197.70	-550.76	-316.10	-36.96	
347.23													
		85	1.35	-1.67e-03	-1.39	-0.42	-0.97	-0.64	345.36	-570.70	-224.13	-1.20	
444.26													
		93	1.33	0.02	-0.52	-0.50	-3.00e-03	-0.10	177.13	-694.20	-272.44	-244.63	
435.44													
27	14	144	0.45	4.75	0.63	4.06	1.32	1.54	-157.56	-267.35	-212.08	-212.83	-54.90
		39	0.39	3.36	-2.35	3.34	-2.33	-0.33	4.63	-189.67	-178.38	-6.66	45.46
		85	0.52	0.58	-4.28	-0.60	-3.09	-2.09	264.48	-31.93	196.23	36.32	
124.79													
		93	0.47	0.87	-0.16	-0.03	0.73	-0.35	155.89	-162.69	155.69	-162.50	7.86
27	15	144	0.81	-1.19	-6.34	-5.80	-1.73	-1.58	249.07	-298.49	-127.94	78.53	
253.57													
		39	0.59	3.50	-4.78	-4.77	3.49	0.33	202.18	-124.91	-107.21	184.49	73.99
		85	1.30	5.59	-0.02	0.96	4.61	2.13	84.89	-707.25	-691.76	69.39	
109.69													
		93	1.47	0.17	-0.96	0.05	-0.84	0.35	103.15	-825.02	-707.54	-14.33	
308.62													
27	16	144	0.54	-0.16	-2.26	-2.04	-0.39	-0.65	245.71	-102.59	19.48	123.64	-
166.18													
		39	0.70	1.88	-1.59	-1.59	1.88	2.36e-03	321.57	-142.57	33.84	145.16	-
225.29													
		85	0.77	2.52	0.58	0.76	2.34	0.56	202.27	-322.02	-225.75	106.00	-
203.00													
		93	0.59	0.57	-0.06	0.56	-0.05	0.07	105.62	-284.05	-236.00	57.57	-
128.12													
27	17	144	1.18	0.88	-0.44	0.42	0.02	0.63	53.54	-670.20	-358.85	-257.81	
358.32													
		39	1.14	0.27	-0.77	0.27	-0.77	-0.02	220.32	-540.23	-317.77	-2.14	
345.99													
		85	1.35	-0.03	-1.28	-0.42	-0.90	-0.58	333.89	-581.58	-246.96	-0.74	
440.87													
		93	1.35	-0.02	-0.53	-0.52	-0.03	-0.09	174.04	-707.70	-294.14	-239.51	
440.02													
27	18	144	0.46	4.88	0.67	4.18	1.37	1.57	-150.63	-273.50	-211.42	-212.70	-61.43
		39	0.37	3.46	-2.40	3.44	-2.38	-0.34	-26.92	-191.27	-176.71	-41.48	46.70
		85	0.55	0.61	-4.38	-0.61	-3.17	-2.15	285.01	-30.09	219.06	35.86	
128.18													
		93	0.51	0.91	-0.16	-0.01	0.76	-0.36	177.42	-167.64	177.39	-167.61	3.28
27	19	144	0.84	-1.17	-6.07	-5.55	-1.68	-1.50	263.26	-303.25	-129.29	89.30	
261.32													
		39	0.54	3.35	-4.57	-4.56	3.34	0.31	171.85	-127.80	-109.42	153.46	71.91
		85	1.27	5.36	-0.02	0.92	4.42	2.04	84.82	-692.75	-677.95	70.03	
106.25													
		93	1.46	0.15	-0.94	0.04	-0.82	0.33	109.89	-814.59	-693.24	-11.46	
312.19													
27	20	144	0.49	-0.22	-2.24	-2.03	-0.43	-0.61	232.25	-81.27	16.81	134.16	-
145.37													
		39	0.74	1.83	-1.58	-1.58	1.83	0.02	348.67	-136.61	28.31	183.75	-
229.85													
		85	0.82	2.50	0.54	0.74	2.29	0.59	205.69	-355.73	-257.59	107.55	-
213.23													
		93	0.62	0.53	-0.10	0.51	-0.09	0.09	106.51	-300.94	-265.10	70.67	-

115.40													
27	21	144	1.12	0.86	-0.38	0.41	0.07	0.59	28.10	-652.61	-356.18	-268.33	
337.51													
		39	1.13	0.26	-0.73	0.26	-0.72	-0.04	199.42	-552.40	-312.23	-40.74	
350.55													
		85	1.37	0.03	-1.28	-0.39	-0.85	-0.61	354.77	-572.18	-215.11	-2.29	
451.09													
		93	1.31	0.03	-0.50	-0.47	7.29e-03	-0.11	168.51	-686.17	-265.04	-252.61	
427.30													
27	22	144	0.47	4.60	0.66	3.93	1.32	1.48	-147.27	-286.28	-210.07	-223.48	-69.18
		39	0.39	3.25	-2.25	3.23	-2.23	-0.33	2.96	-187.92	-174.51	-10.45	48.78
		85	0.54	0.61	-4.16	-0.57	-2.97	-2.06	276.93	-36.45	205.25	35.23	
131.62													
		93	0.49	0.89	-0.14	2.07e-03	0.74	-0.35	163.09	-170.48	163.09	-170.48	-0.29
27	23	144	0.86	-1.21	-6.19	-5.67	-1.73	-1.52	269.01	-309.78	-129.95	89.18	
267.85													
		39	0.59	3.41	-4.67	-4.66	3.39	0.33	204.12	-126.93	-111.08	188.27	70.67
		85	1.31	5.46	-0.05	0.93	4.49	2.10	83.97	-714.26	-700.78	70.49	
102.85													
		93	1.50	0.15	-0.98	0.02	-0.85	0.35	114.61	-835.89	-714.94	-6.35	
316.76													
27	24	144	0.51	-0.18	-2.11	-1.91	-0.39	-0.59	238.62	-86.86	17.47	134.29	-
151.90													
		39	0.71	1.78	-1.48	-1.48	1.78	2.20e-03	325.68	-146.77	29.97	148.94	-
228.61													
		85	0.79	2.39	0.56	0.73	2.22	0.54	206.80	-334.48	-234.76	107.09	-
209.83													
		93	0.59	0.54	-0.07	0.53	-0.06	0.07	106.67	-284.52	-243.40	65.56	-
119.98													
27	25	144	1.14	0.74	-0.43	0.29	0.02	0.57	34.22	-659.52	-356.84	-268.46	
344.04													
		39	1.14	0.16	-0.67	0.16	-0.67	-0.02	221.82	-541.65	-313.90	-5.93	
349.30													
		85	1.37	7.40e-03	-1.17	-0.39	-0.78	-0.56	343.12	-582.89	-237.94	-1.83	
447.70													
		93	1.33	-4.54e-03	-0.51	-0.49	-0.02	-0.09	165.20	-699.44	-286.74	-247.50	
431.87													
27	26	144	0.48	4.72	0.70	4.05	1.37	1.50	-140.35	-292.42	-209.42	-223.35	-75.71
		39	0.36	3.35	-2.31	3.33	-2.28	-0.34	-27.99	-190.12	-172.84	-45.26	50.02
		85	0.57	0.64	-4.27	-0.58	-3.05	-2.12	297.47	-34.62	228.08	34.77	
135.02													
		93	0.53	0.92	-0.13	0.02	0.77	-0.37	184.86	-175.66	184.79	-175.60	-4.86
27	27	144	2.29	-1.95	-8.20	-7.62	-2.53	-1.82	536.67	-1006.62	-378.55	-91.40	
758.17													
		39	1.70	3.73	-6.40	-6.38	3.70	0.53	412.06	-702.96	-339.92	49.01	
522.49													
		85	2.49	6.46	-0.69	0.68	5.09	2.81	282.18	-1285.25	-1003.68	0.61	
601.71													
		93	2.94	-0.45	-1.62	-0.69	-1.39	0.47	331.20	-1565.92	-1040.64	-194.08	
848.88													
27	28	144	1.76	4.57	1.20	4.13	1.64	1.13	681.28	-514.69	108.46	58.13	-
597.45													
		39	1.43	3.58	-1.36	3.54	-1.32	-0.44	618.22	-349.07	119.16	149.99	-
483.40													
		85	1.52	1.31	-3.22	0.08	-1.99	-2.02	744.34	-221.11	397.53	125.69	-
463.19													
		93	1.78	1.35	0.62	0.90	1.07	-0.36	829.55	-363.38	386.48	79.69	-
576.40													
27	29	144	2.38	-1.68	-6.08	-5.75	-2.00	-1.15	479.80	-1119.92	-447.82	-192.30	
789.59													
		39	1.92	2.45	-4.89	-4.87	2.43	0.42	430.70	-840.76	-403.09	-6.98	
604.09													
		85	2.54	4.40	-0.70	0.27	3.43	2.00	374.44	-1265.11	-870.24	-20.43	
701.06													
		93	2.92	-0.63	-1.37	-0.86	-1.15	0.34	357.62	-1535.88	-916.62	-261.64	
888.30													
27	30	144	1.69	6.71	1.46	6.00	2.17	1.80	565.72	-569.30	39.19	-42.78	-
566.03													
		39	1.19	5.09	-2.63	5.05	-2.59	-0.55	477.25	-327.25	55.99	94.00	-
401.80													
		85	1.40	1.29	-5.27	-0.33	-3.64	-2.83	739.50	-103.87	530.98	104.65	-
363.84													

		93	1.78	1.58	0.45	0.73	1.31	-0.48	853.30	-330.66	510.50	12.14	-536.98
27	31	144	2.30	-1.96	-8.15	-7.58	-2.53	-1.80	542.53	-1009.89	-379.16	-88.20	762.45
		39	1.70	3.70	-6.37	-6.34	3.68	0.53	411.51	-702.45	-341.08	50.15	521.50
		85	2.49	6.42	-0.70	0.67	5.05	2.80	280.39	-1285.84	-1006.38	0.94	599.66
		93	2.95	-0.46	-1.63	-0.69	-1.39	0.47	334.50	-1569.05	-1042.86	-191.69	851.32
27	32	144	1.75	4.62	1.20	4.17	1.64	1.15	678.21	-509.04	107.86	61.32	-593.17
		39	1.43	3.61	-1.39	3.57	-1.35	-0.44	619.24	-350.12	118.00	151.13	-484.40
		85	1.52	1.30	-3.26	0.07	-2.03	-2.03	744.69	-223.85	394.83	126.02	-465.24
		93	1.77	1.34	0.61	0.89	1.06	-0.35	826.69	-360.34	384.26	82.09	-573.96
27	33	144	2.37	-1.67	-6.12	-5.79	-2.00	-1.17	473.97	-1116.69	-447.22	-195.49	785.31
		39	1.92	2.48	-4.92	-4.90	2.46	0.42	431.30	-841.34	-401.93	-8.11	605.09
		85	2.54	4.44	-0.69	0.28	3.47	2.01	376.60	-1264.89	-867.53	-20.76	703.11
		93	2.91	-0.63	-1.36	-0.85	-1.14	0.33	354.44	-1532.88	-914.40	-264.03	885.86
27	34	144	1.70	6.66	1.46	5.96	2.17	1.78	568.83	-575.01	39.79	-45.97	-570.31
		39	1.18	5.06	-2.60	5.02	-2.57	-0.55	476.21	-326.19	57.15	92.87	-400.81
		85	1.40	1.30	-5.23	-0.32	-3.61	-2.82	739.69	-101.69	533.68	104.32	-361.79
		93	1.79	1.59	0.46	0.74	1.31	-0.49	856.40	-333.94	512.72	9.74	-539.43
27	35	144	2.35	-2.08	-8.62	-8.01	-2.68	-1.89	556.93	-1029.50	-380.75	-91.82	779.95
		39	1.76	3.91	-6.74	-6.71	3.88	0.58	487.59	-668.00	-345.48	165.06	518.35
		85	2.56	6.81	-0.78	0.70	5.33	3.00	261.94	-1339.56	-1079.77	2.15	590.40
		93	3.05	-0.47	-1.75	-0.74	-1.49	0.52	337.71	-1627.72	-1112.98	-177.03	864.13
27	36	144	1.82	4.99	1.34	4.53	1.80	1.21	704.39	-535.18	110.66	58.55	-619.23
		39	1.42	3.92	-1.54	3.87	-1.49	-0.50	560.73	-402.07	124.71	33.94	-479.26
		85	1.55	1.40	-3.58	0.06	-2.23	-2.21	783.38	-185.61	473.62	124.15	-451.89
		93	1.87	1.48	0.63	0.95	1.16	-0.41	884.66	-363.20	458.82	62.64	-591.66
27	37	144	2.44	-1.81	-6.50	-6.15	-2.16	-1.23	500.14	-1142.88	-450.02	-192.72	811.37
		39	1.96	2.63	-5.23	-5.20	2.60	0.48	503.62	-803.20	-408.64	109.07	599.95
		85	2.60	4.76	-0.79	0.29	3.68	2.19	348.53	-1313.75	-946.32	-18.89	689.76
		93	3.02	-0.65	-1.50	-0.91	-1.24	0.39	360.43	-1593.98	-988.96	-244.59	903.55
27	38	144	1.75	7.13	1.59	6.39	2.32	1.88	588.81	-589.78	41.39	-42.35	-587.81
		39	1.19	5.43	-2.81	5.38	-2.77	-0.60	419.60	-380.10	61.55	-22.05	-397.66
		85	1.46	1.38	-5.62	-0.35	-3.89	-3.02	788.41	-78.24	607.06	103.11	-352.53
		93	1.88	1.72	0.47	0.78	1.41	-0.54	914.52	-336.60	582.83	-4.91	-552.23
27	39	144	2.36	-2.09	-8.57	-7.98	-2.68	-1.87	562.78	-1032.76	-381.35	-88.63	784.23
		39	1.76	3.88	-6.71	-6.68	3.85	0.58	487.19	-667.63	-346.64	166.19	517.36
		85	2.56	6.77	-0.79	0.69	5.30	3.00	260.27	-1340.27	-1082.47	2.47	588.35

		93	3.06	-0.48	-1.76	-0.75	-1.49	0.52	341.04	-1630.88	-1115.20	-174.64	
866.58													
27	40	144	1.81	5.03	1.33	4.57	1.80	1.23	701.32	-529.52	110.05	61.75	-
614.95													
		39	1.42	3.95	-1.57	3.90	-1.52	-0.50	561.60	-402.97	123.55	35.08	-
480.25													
		85	1.55	1.39	-3.62	0.05	-2.27	-2.22	783.56	-188.17	470.92	124.48	-
453.94													
		93	1.86	1.47	0.63	0.94	1.16	-0.41	881.70	-360.07	456.60	65.04	-
589.21													
27	41	144	2.43	-1.80	-6.54	-6.19	-2.16	-1.25	494.31	-1139.65	-449.42	-195.92	
807.09													
		39	1.97	2.66	-5.26	-5.23	2.63	0.48	504.10	-803.64	-407.48	107.93	
600.94													
		85	2.60	4.79	-0.78	0.30	3.72	2.20	350.58	-1313.42	-943.62	-19.22	
691.81													
		93	3.01	-0.65	-1.49	-0.90	-1.24	0.39	357.21	-1590.93	-986.74	-246.98	
901.11													
27	42	144	1.77	7.08	1.60	6.35	2.32	1.86	591.93	-595.49	41.99	-45.55	-
592.09													
		39	1.19	5.39	-2.79	5.35	-2.74	-0.60	418.75	-379.22	62.71	-23.18	-
396.66													
		85	1.46	1.39	-5.59	-0.35	-3.85	-3.02	788.82	-76.27	609.77	102.78	-
350.48													
		93	1.89	1.72	0.48	0.79	1.41	-0.54	917.67	-339.93	585.05	-7.31	-
554.68													
27	43	144	0.69	-0.96	-5.08	-4.66	-1.37	-1.23	190.89	-278.84	-136.46	48.52	
215.89													
		39	0.50	2.84	-3.84	-3.83	2.83	0.24	153.09	-133.17	-113.57	133.50	72.28
		85	1.11	4.46	0.06	0.78	3.74	1.63	85.20	-598.76	-579.07	65.51	
114.36													
		93	1.25	0.14	-0.74	0.06	-0.65	0.26	76.52	-709.20	-598.39	-34.30	
273.47													
27	44	144	0.37	-0.21	-2.04	-1.87	-0.38	-0.53	150.20	-87.03	-20.71	83.88	-
106.47													
		39	0.57	1.64	-1.48	-1.48	1.64	0.01	261.78	-109.07	-4.46	157.17	-
166.88													
		85	0.65	2.21	0.49	0.64	2.06	0.49	144.41	-295.29	-245.91	95.03	-
138.83													
		93	0.50	0.44	-0.08	0.43	-0.07	0.06	44.85	-273.16	-259.06	30.76	-65.45
27	45	144	0.99	0.66	-0.39	0.25	0.02	0.51	34.46	-571.17	-318.65	-218.05	
298.61													
		39	0.95	0.15	-0.53	0.15	-0.53	-0.03	169.88	-463.51	-279.46	-14.16	
287.57													
		85	1.17	0.08	-0.98	-0.29	-0.61	-0.51	286.62	-503.19	-226.79	10.22	
376.70													
		93	1.17	6.52e-03	-0.41	-0.39	-0.01	-0.08	136.58	-620.37	-271.08	-212.70	
377.35													
27	46	144	0.37	3.61	0.44	3.04	1.01	1.22	-166.99	-218.60	-202.90	-182.69	-23.75
		39	0.38	2.52	-1.74	2.51	-1.72	-0.26	21.71	-182.56	-170.35	9.51	48.41
		85	0.43	0.53	-3.26	-0.44	-2.29	-1.65	200.98	-54.86	106.37	39.75	
123.51													
		93	0.35	0.68	-0.12	-0.01	0.57	-0.28	74.88	-154.28	68.25	-147.65	38.43
27	47	144	0.71	-0.99	-5.18	-4.76	-1.41	-1.25	195.43	-284.00	-136.99	48.42	
221.07													
		39	0.54	2.88	-3.92	-3.91	2.87	0.26	178.14	-132.24	-114.89	160.79	71.30
		85	1.14	4.55	0.04	0.79	3.79	1.68	84.18	-615.47	-597.17	65.88	
111.67													
		93	1.28	0.13	-0.77	0.04	-0.67	0.27	80.13	-725.96	-615.60	-30.24	
277.10													
27	48	144	0.38	-0.18	-1.94	-1.78	-0.34	-0.52	155.10	-91.30	-20.19	83.98	-
111.65													
		39	0.54	1.60	-1.40	-1.40	1.60	-5.18e-04	242.10	-115.36	-3.14	129.88	-
165.90													
		85	0.62	2.13	0.51	0.64	2.00	0.44	144.45	-277.60	-227.81	94.66	-
136.14													
		93	0.48	0.45	-0.05	0.44	-0.05	0.05	43.42	-258.58	-241.86	26.70	-69.07
27	49	144	1.01	0.57	-0.43	0.16	-0.02	0.50	39.29	-576.62	-319.18	-218.16	
303.79													
		39	0.96	0.07	-0.49	0.07	-0.49	-0.02	188.24	-455.90	-280.78	13.13	
286.59													
		85	1.17	0.06	-0.90	-0.29	-0.55	-0.46	278.08	-512.37	-244.89	10.60	

374.01													
		93	1.18	-0.02	-0.41	-0.40	-0.03	-0.07	134.59	-631.51	-288.28	-208.64	
380.97													
27	50	144	0.38	3.71	0.47	3.14	1.05	1.23	-161.91	-223.06	-202.38	-182.59	-28.93
		39	0.36	2.60	-1.78	2.58	-1.76	-0.27	-3.08	-183.73	-169.03	-17.78	49.39
		85	0.45	0.55	-3.34	-0.44	-2.35	-1.70	215.09	-51.25	124.47	39.38	
126.19													
		93	0.37	0.71	-0.12	-2.05e-03	0.60	-0.29	90.45	-156.71	85.45	-151.71	34.80
27	51	144	0.73	-0.98	-4.95	-4.56	-1.37	-1.18	206.77	-287.95	-138.14	56.96	
227.32													
		39	0.50	2.76	-3.75	-3.74	2.75	0.24	154.41	-134.64	-116.74	136.52	69.66
		85	1.12	4.36	0.03	0.76	3.64	1.61	84.11	-603.91	-586.20	66.40	
108.95													
		93	1.27	0.12	-0.75	0.03	-0.66	0.26	85.66	-717.87	-604.24	-27.97	
279.99													
27	52	144	0.35	-0.23	-1.92	-1.77	-0.38	-0.48	145.97	-76.03	-22.39	92.32	-95.04
		39	0.58	1.56	-1.39	-1.39	1.56	0.01	265.42	-112.86	-7.63	160.19	-
169.51													
		85	0.67	2.10	0.47	0.62	1.96	0.47	147.83	-304.94	-253.04	95.93	-
144.24													
		93	0.51	0.42	-0.09	0.41	-0.08	0.07	48.18	-276.00	-264.91	37.09	-58.94
27	53	144	0.96	0.55	-0.38	0.15	0.02	0.46	18.98	-562.45	-316.98	-226.49	
287.18													
		39	0.95	0.06	-0.45	0.06	-0.45	-0.03	171.07	-464.54	-276.29	-17.18	
290.20													
		85	1.18	0.11	-0.89	-0.27	-0.51	-0.49	293.73	-504.06	-219.67	9.33	
382.11													
		93	1.15	0.02	-0.38	-0.37	-2.49e-03	-0.09	129.42	-613.69	-265.24	-219.03	
370.83													
27	54	144	0.39	3.49	0.46	2.94	1.01	1.16	-160.64	-231.72	-201.23	-191.13	-35.18
		39	0.37	2.43	-1.66	2.42	-1.64	-0.26	20.38	-181.07	-167.18	6.49	51.03
		85	0.45	0.56	-3.16	-0.41	-2.19	-1.63	210.39	-58.03	113.50	38.86	
128.92													
		93	0.36	0.70	-0.11	8.78e-03	0.58	-0.28	78.48	-158.36	74.09	-153.97	31.91
27	55	144	0.74	-1.01	-5.05	-4.66	-1.41	-1.20	211.31	-293.12	-138.66	56.85	
232.50													
		39	0.54	2.81	-3.83	-3.82	2.80	0.26	179.65	-133.90	-118.06	163.81	68.67
		85	1.15	4.44	0.01	0.76	3.70	1.66	83.20	-620.72	-604.29	66.77	
106.26													
		93	1.31	0.11	-0.78	0.02	-0.68	0.27	89.27	-734.62	-621.44	-23.91	
283.61													
27	56	144	0.36	-0.20	-1.82	-1.68	-0.34	-0.46	150.64	-80.08	-21.86	92.42	-
100.22													
		39	0.55	1.52	-1.31	-1.31	1.52	-6.24e-04	245.63	-119.04	-6.31	132.90	-
168.52													
		85	0.64	2.02	0.49	0.61	1.90	0.42	147.89	-287.28	-234.94	95.55	-
141.55													
		93	0.49	0.43	-0.06	0.42	-0.05	0.05	46.34	-261.02	-247.70	33.03	-62.56
27	57	144	0.98	0.46	-0.43	0.05	-0.02	0.44	23.82	-567.92	-317.50	-226.59	
292.36													
		39	0.96	-0.02	-0.41	-0.02	-0.41	-0.02	189.27	-456.77	-277.62	10.11	
289.21													
		85	1.18	0.09	-0.81	-0.27	-0.45	-0.44	285.06	-513.12	-237.76	9.70	
379.42													
		93	1.16	-0.01	-0.39	-0.38	-0.03	-0.07	127.27	-624.68	-282.44	-214.97	
374.46													
27	58	144	0.39	3.59	0.50	3.03	1.05	1.18	-155.22	-236.51	-200.70	-191.03	-40.36
		39	0.35	2.51	-1.70	2.50	-1.69	-0.27	-4.07	-182.59	-165.86	-20.80	52.02
		85	0.47	0.58	-3.25	-0.42	-2.25	-1.68	224.64	-54.56	131.59	38.49	
131.61													
		93	0.38	0.73	-0.10	0.02	0.60	-0.29	94.47	-161.20	91.30	-158.03	28.29
27	59	144	1.88	-1.59	-6.65	-6.20	-2.04	-1.44	422.65	-843.95	-335.27	-86.03	
620.92													
		39	1.41	3.07	-5.21	-5.19	3.05	0.41	339.39	-584.12	-298.93	54.20	
426.66													
		85	2.09	5.24	-0.49	0.57	4.18	2.22	243.04	-1075.80	-844.47	11.71	
501.57													
		93	2.45	-0.36	-1.29	-0.54	-1.11	0.36	262.72	-1315.07	-879.72	-172.63	
705.24													
27	60	144	1.34	3.47	0.90	3.11	1.26	0.90	494.89	-412.49	50.57	31.83	-
453.59													
		39	1.10	2.70	-0.96	2.67	-0.93	-0.35	471.07	-273.19	64.77	133.11	-

370.56													
		85	1.11	1.11	-2.44	0.10	-1.43	-1.60	539.28	-163.07	266.08	110.13	-
342.41													
		93	1.30	1.06	0.49	0.71	0.84	-0.28	584.75	-289.16	251.38	44.21	-
424.50													
27	61	144	1.95	-1.37	-4.98	-4.73	-1.62	-0.92	377.40	-933.34	-389.93	-166.01	
645.73													
		39	1.58	2.06	-4.01	-3.99	2.04	0.33	353.55	-692.34	-348.70	9.90	
491.25													
		85	2.13	3.62	-0.50	0.25	2.87	1.58	314.74	-1058.40	-738.78	-4.87	
580.27													
		93	2.43	-0.50	-1.08	-0.67	-0.92	0.26	283.17	-1290.86	-781.53	-226.16	
736.40													
27	62	144	1.28	5.16	1.10	4.58	1.68	1.42	403.23	-455.46	-4.09	-48.14	-
428.78													
		39	0.90	3.89	-1.97	3.86	-1.94	-0.43	360.09	-256.28	15.00	88.81	-
305.97													
		85	1.00	1.09	-4.05	-0.22	-2.73	-2.24	530.80	-65.49	371.76	93.55	-
263.70													
		93	1.29	1.25	0.36	0.58	1.03	-0.38	602.47	-262.20	349.58	-9.31	-
393.34													
27	63	144	1.89	-1.60	-6.61	-6.17	-2.04	-1.42	427.32	-846.60	-335.78	-83.50	
624.35													
		39	1.41	3.05	-5.18	-5.16	3.02	0.41	339.00	-583.77	-299.88	55.11	
425.87													
		85	2.09	5.21	-0.50	0.56	4.15	2.22	241.66	-1076.28	-846.61	11.98	
499.95													
		93	2.46	-0.36	-1.29	-0.54	-1.11	0.37	265.35	-1317.56	-881.47	-170.74	
707.19													
27	64	144	1.33	3.51	0.89	3.14	1.26	0.91	492.45	-408.02	50.06	34.36	-
450.17													
		39	1.10	2.73	-0.99	2.69	-0.95	-0.35	471.92	-274.08	63.82	134.02	-
371.35													
		85	1.11	1.10	-2.47	0.09	-1.46	-1.61	539.66	-165.32	263.94	110.40	-
344.03													
		93	1.29	1.06	0.48	0.70	0.83	-0.28	582.50	-286.76	249.63	46.11	-
422.55													
27	65	144	1.94	-1.37	-5.01	-4.76	-1.62	-0.93	372.75	-930.71	-389.43	-168.54	
642.31													
		39	1.58	2.08	-4.04	-4.02	2.06	0.33	354.00	-692.74	-347.74	9.00	
492.04													
		85	2.13	3.65	-0.49	0.25	2.90	1.59	316.41	-1058.19	-736.65	-5.14	
581.90													
		93	2.43	-0.50	-1.08	-0.66	-0.91	0.26	280.63	-1288.46	-779.77	-228.05	
734.45													
27	66	144	1.29	5.12	1.11	4.55	1.68	1.41	405.72	-459.98	-3.59	-50.67	-
432.21													
		39	0.90	3.87	-1.95	3.84	-1.91	-0.43	359.22	-255.37	15.95	87.91	-
305.18													
		85	1.00	1.10	-4.02	-0.21	-2.70	-2.24	530.87	-63.69	373.90	93.28	-
262.08													
		93	1.30	1.25	0.36	0.58	1.03	-0.38	604.93	-264.81	351.33	-11.21	-
395.29													
27	67	144	1.93	-1.70	-6.98	-6.51	-2.16	-1.50	438.67	-862.07	-337.02	-86.38	
638.18													
		39	1.46	3.21	-5.47	-5.45	3.19	0.46	400.01	-558.18	-303.33	145.16	
423.38													
		85	2.15	5.52	-0.56	0.58	4.37	2.38	227.30	-1119.14	-904.79	12.95	
492.61													
		93	2.54	-0.37	-1.39	-0.58	-1.18	0.41	267.92	-1364.09	-937.06	-159.10	
717.33													
27	68	144	1.39	3.80	1.01	3.42	1.39	0.96	513.21	-428.72	52.31	32.18	-
470.86													
		39	1.08	2.97	-1.11	2.93	-1.07	-0.40	423.18	-311.86	69.17	42.15	-
367.27													
		85	1.12	1.18	-2.72	0.08	-1.62	-1.75	568.37	-133.08	326.40	108.89	-
333.44													
		93	1.36	1.17	0.50	0.75	0.91	-0.32	627.89	-288.48	308.73	30.68	-
436.59													
27	69	144	2.00	-1.48	-5.31	-5.04	-1.75	-0.98	393.49	-951.52	-391.67	-166.35	
663.00													
		39	1.62	2.20	-4.28	-4.26	2.18	0.38	412.06	-664.29	-353.10	100.87	

487.96													
		85	2.17	3.90	-0.57	0.26	3.07	1.74	294.75	-1097.49	-799.10	-3.64	
571.31													
		93	2.51	-0.52	-1.19	-0.71	-0.99	0.31	285.60	-1337.09	-838.87	-212.62	
748.49													
27	70	144	1.33	5.49	1.21	4.89	1.80	1.48	421.55	-471.69	-2.35	-47.79	-
446.04													
		39	0.90	4.16	-2.11	4.12	-2.08	-0.48	311.50	-294.25	19.41	-2.15	-
302.69													
		85	1.05	1.17	-4.33	-0.24	-2.93	-2.40	568.39	-44.00	432.08	92.31	-
254.74													
		93	1.37	1.35	0.37	0.62	1.10	-0.43	650.89	-266.81	406.92	-22.84	-
405.43													
27	71	144	1.94	-1.70	-6.95	-6.48	-2.16	-1.49	443.34	-864.71	-337.52	-83.85	
641.61													
		39	1.46	3.19	-5.45	-5.42	3.16	0.46	399.73	-557.95	-304.28	146.07	
422.59													
		85	2.15	5.49	-0.57	0.58	4.34	2.37	226.00	-1119.71	-906.92	13.22	
490.99													
		93	2.54	-0.38	-1.39	-0.58	-1.19	0.41	270.58	-1366.60	-938.82	-157.21	
719.28													
27	72	144	1.38	3.84	1.00	3.45	1.39	0.97	510.77	-424.25	51.81	34.71	-
467.43													
		39	1.08	2.99	-1.13	2.96	-1.09	-0.40	423.91	-312.64	68.22	43.05	-
368.06													
		85	1.13	1.17	-2.75	0.08	-1.65	-1.76	568.61	-135.19	324.26	109.16	-
335.06													
		93	1.36	1.16	0.49	0.75	0.91	-0.32	625.55	-286.00	306.97	32.58	-
434.63													
27	73	144	1.99	-1.47	-5.34	-5.07	-1.75	-0.99	388.84	-948.90	-391.17	-168.89	
659.57													
		39	1.62	2.22	-4.30	-4.28	2.20	0.38	412.40	-664.59	-352.15	99.96	
488.75													
		85	2.17	3.93	-0.56	0.27	3.10	1.74	296.34	-1097.20	-796.96	-3.90	
572.93													
		93	2.51	-0.51	-1.18	-0.70	-0.99	0.30	283.02	-1334.66	-837.12	-214.52	
746.53													
27	74	144	1.34	5.45	1.21	4.86	1.80	1.47	424.04	-476.21	-1.85	-50.32	-
449.47													
		39	0.89	4.13	-2.09	4.10	-2.05	-0.48	310.77	-293.48	20.36	-3.06	-
301.90													
		85	1.05	1.17	-4.30	-0.23	-2.90	-2.39	568.65	-42.39	434.22	92.04	-
253.12													
		93	1.38	1.36	0.38	0.63	1.11	-0.43	653.40	-269.46	408.67	-24.74	-
407.38													
27	75	144	0.63	-0.83	-4.33	-4.00	-1.16	-1.02	156.05	-269.72	-142.12	28.45	
195.05													
		39	0.48	2.45	-3.29	-3.28	2.44	0.20	141.69	-137.31	-118.37	122.75	70.18
		85	1.01	3.80	0.09	0.68	3.22	1.35	85.21	-541.51	-519.59	63.29	
115.14													
		93	1.13	0.12	-0.61	0.05	-0.55	0.21	62.12	-646.80	-540.54	-44.13	
253.06													
27	76	144	0.28	-0.21	-1.82	-1.69	-0.35	-0.44	93.93	-82.71	-46.46	57.68	-71.34
		39	0.48	1.45	-1.34	-1.34	1.45	8.93e-03	210.42	-96.29	-28.20	142.33	-
127.47													
		85	0.57	1.94	0.44	0.56	1.83	0.40	112.52	-269.08	-244.26	87.70	-94.10
		93	0.46	0.37	-0.07	0.36	-0.06	0.05	12.31	-262.80	-260.12	9.63	-27.03
27	77	144	0.88	0.45	-0.40	0.07	-0.02	0.43	25.91	-510.66	-292.91	-191.85	
263.48													
		39	0.84	0.01	-0.34	9.13e-03	-0.34	-0.03	151.81	-406.85	-255.73	0.69	
248.17													
		85	1.05	0.13	-0.73	-0.21	-0.38	-0.42	248.59	-459.47	-228.44	17.56	
331.97													
		93	1.06	-3.69e-04	-0.33	-0.32	-0.02	-0.07	110.39	-571.99	-270.03	-191.57	
338.93													
27	78	144	0.34	2.87	0.31	2.38	0.80	1.00	-162.38	-197.49	-197.24	-162.62	-2.91
		39	0.37	1.97	-1.34	1.96	-1.33	-0.22	33.11	-178.40	-165.56	20.26	50.52
		85	0.40	0.50	-2.60	-0.33	-1.77	-1.37	167.18	-78.33	46.89	41.97	
122.73													
		93	0.30	0.56	-0.10	-9.10e-03	0.47	-0.23	30.92	-158.33	10.40	-137.81	58.84
27	79	144	0.64	-0.86	-4.41	-4.07	-1.19	-1.04	159.78	-273.98	-142.55	28.36	
199.33													

		39	0.51	2.48	-3.36	-3.35	2.47	0.21	162.38	-136.53	-119.46	145.31	69.36
		85	1.04	3.87	0.08	0.68	3.26	1.39	84.20	-555.15	-534.55	63.60	
112.92													
		93	1.16	0.11	-0.64	0.04	-0.56	0.22	65.01	-660.55	-554.76	-40.78	
256.05													
27	80	144	0.29	-0.19	-1.74	-1.61	-0.31	-0.43	97.59	-85.85	-46.03	57.76	-75.62
		39	0.45	1.42	-1.27	-1.27	1.42	-1.94e-03	192.74	-100.08	-27.10	119.76	-
126.66													
		85	0.55	1.88	0.46	0.56	1.78	0.36	112.12	-254.03	-229.31	87.39	-91.88
		93	0.43	0.37	-0.05	0.37	-0.05	0.04	9.80	-249.43	-245.90	6.27	-30.03
27	81	144	0.90	0.38	-0.44	-8.83e-03	-0.05	0.41	29.88	-515.16	-293.34	-191.94	
267.76													
		39	0.84	-0.05	-0.31	-0.06	-0.31	-0.02	167.45	-401.03	-256.82	23.25	
247.35													
		85	1.05	0.12	-0.66	-0.21	-0.33	-0.38	241.92	-467.45	-243.40	17.87	
329.75													
		93	1.07	-0.02	-0.34	-0.33	-0.03	-0.06	109.05	-581.51	-284.24	-188.22	
341.93													
27	82	144	0.34	2.95	0.34	2.45	0.83	1.02	-161.08	-198.26	-196.81	-162.53	-7.19
		39	0.35	2.04	-1.38	2.02	-1.36	-0.23	12.58	-179.35	-164.47	-2.30	51.33
		85	0.41	0.51	-2.67	-0.34	-1.82	-1.41	177.11	-73.61	61.84	41.66	
124.95													
		93	0.31	0.58	-0.10	1.28e-03	0.48	-0.24	41.67	-158.22	24.62	-141.16	55.85
27	83	144	0.66	-0.85	-4.23	-3.91	-1.16	-0.98	169.16	-277.26	-143.52	35.42	
204.49													
		39	0.48	2.38	-3.22	-3.21	2.37	0.20	142.78	-138.54	-121.01	125.24	68.01
		85	1.02	3.72	0.08	0.66	3.13	1.33	84.11	-545.58	-525.48	64.02	
110.67													
		93	1.15	0.10	-0.62	0.03	-0.55	0.21	69.68	-653.97	-545.38	-38.91	
258.44													
27	84	144	0.26	-0.23	-1.72	-1.60	-0.34	-0.40	92.05	-75.25	-47.86	64.65	-61.91
		39	0.48	1.39	-1.26	-1.26	1.39	8.80e-03	213.58	-99.59	-30.83	144.82	-
129.64													
		85	0.59	1.86	0.43	0.54	1.74	0.38	115.04	-276.76	-250.15	88.43	-98.57
		93	0.47	0.35	-0.08	0.34	-0.07	0.05	16.52	-266.61	-264.95	14.86	-21.65
27	85	144	0.86	0.37	-0.40	-0.02	-0.02	0.38	13.07	-503.40	-291.51	-198.82	
254.05													
		39	0.84	-0.06	-0.28	-0.06	-0.28	-0.03	152.64	-407.54	-253.09	-1.80	
250.33													
		85	1.06	0.16	-0.65	-0.19	-0.30	-0.40	254.24	-459.96	-222.55	16.83	
336.44													
		93	1.04	8.51e-03	-0.32	-0.30	-8.99e-03	-0.07	104.30	-566.30	-265.20	-196.80	
333.55													
27	86	144	0.34	2.76	0.33	2.29	0.80	0.96	-164.70	-200.74	-195.84	-169.59	-12.35
		39	0.37	1.90	-1.28	1.88	-1.26	-0.22	32.01	-177.16	-162.92	17.77	52.68
		85	0.42	0.52	-2.52	-0.31	-1.69	-1.35	174.34	-80.32	52.78	41.24	
127.20													
		93	0.31	0.57	-0.09	0.01	0.47	-0.23	31.60	-159.40	15.23	-143.04	53.46
27	87	144	0.67	-0.88	-4.31	-3.99	-1.19	-1.00	172.89	-281.51	-143.95	35.33	
208.77													
		39	0.51	2.42	-3.28	-3.27	2.41	0.21	163.61	-137.90	-122.10	147.80	67.20
		85	1.04	3.78	0.06	0.66	3.18	1.37	83.19	-559.30	-540.44	64.33	
108.45													
		93	1.18	0.10	-0.65	0.02	-0.57	0.23	72.57	-667.71	-559.59	-35.55	
261.43													
27	88	144	0.27	-0.20	-1.64	-1.53	-0.31	-0.39	95.41	-78.10	-47.43	64.74	-66.19
		39	0.46	1.35	-1.20	-1.20	1.35	-2.07e-03	195.83	-103.31	-29.74	122.26	-
128.82													
		85	0.56	1.79	0.44	0.54	1.70	0.35	114.66	-261.73	-235.20	88.12	-96.35
		93	0.44	0.36	-0.06	0.35	-0.05	0.04	13.80	-253.03	-250.73	11.50	-24.65
27	89	144	0.87	0.30	-0.44	-0.09	-0.05	0.37	17.06	-507.90	-291.94	-198.91	
258.33													
		39	0.85	-0.13	-0.25	-0.13	-0.24	-0.02	168.16	-401.59	-254.19	20.76	
249.51													
		85	1.06	0.15	-0.59	-0.19	-0.25	-0.37	247.46	-467.83	-237.51	17.14	
334.22													
		93	1.06	-0.01	-0.32	-0.31	-0.03	-0.06	102.85	-575.71	-279.41	-193.45	
336.55													
27	90	144	0.34	2.84	0.36	2.37	0.83	0.98	-161.38	-203.54	-195.41	-169.51	-16.63
		39	0.35	1.96	-1.31	1.95	-1.30	-0.23	11.70	-178.32	-161.83	-4.79	53.49
		85	0.43	0.54	-2.59	-0.31	-1.74	-1.39	184.44	-75.78	67.73	40.93	
129.42													

		93	0.32	0.60	-0.08	0.02	0.49	-0.24	42.90	-159.85	29.45	-146.39	50.47
27	91	144	1.61	-1.35	-5.63	-5.27	-1.72	-1.19	346.85	-736.11	-306.50	-82.76	
529.80													
		39	1.22	2.63	-4.42	-4.40	2.62	0.34	291.33	-505.79	-271.65	57.19	
363.06													
		85	1.82	4.44	-0.36	0.50	3.58	1.84	216.91	-937.02	-738.91	18.81	
435.15													
		93	2.13	-0.30	-1.07	-0.44	-0.92	0.30	217.17	-1148.66	-773.03	-158.46	
609.88													
27	92	144	1.06	2.74	0.70	2.43	1.01	0.74	371.72	-344.66	12.37	14.68	-
358.19													
		39	0.88	2.12	-0.70	2.09	-0.67	-0.29	375.13	-223.76	28.93	122.44	-
295.77													
		85	0.84	0.98	-1.92	0.11	-1.05	-1.32	404.78	-125.75	178.86	100.17	-
262.33													
		93	0.98	0.88	0.40	0.59	0.68	-0.23	422.57	-240.09	161.73	20.75	-
323.74													
27	93	144	1.67	-1.17	-4.25	-4.05	-1.37	-0.76	309.31	-809.89	-351.74	-148.85	
550.33													
		39	1.36	1.80	-3.43	-3.42	1.78	0.27	302.45	-594.73	-312.86	20.57	
416.46													
		85	1.85	3.09	-0.36	0.23	2.50	1.31	275.09	-921.57	-651.56	5.09	
500.20													
		93	2.11	-0.42	-0.90	-0.55	-0.76	0.22	233.79	-1128.36	-691.87	-202.69	
635.64													
27	94	144	1.01	4.14	0.86	3.65	1.36	1.17	295.65	-379.92	-32.86	-51.41	-
337.66													
		39	0.72	3.10	-1.53	3.08	-1.51	-0.36	284.06	-210.52	-12.28	85.82	-
242.37													
		85	0.74	0.96	-3.25	-0.15	-2.13	-1.86	393.12	-40.46	266.21	86.45	-
197.28													
		93	0.97	1.03	0.30	0.48	0.84	-0.32	436.09	-216.69	242.88	-23.48	-
297.98													
27	95	144	1.62	-1.36	-5.60	-5.24	-1.72	-1.18	350.72	-738.31	-306.92	-80.67	
532.63													
		39	1.22	2.61	-4.40	-4.38	2.60	0.34	291.04	-505.54	-272.44	57.94	
362.42													
		85	1.82	4.41	-0.36	0.49	3.55	1.83	215.78	-937.43	-740.68	19.03	
433.81													
		93	2.13	-0.30	-1.07	-0.45	-0.92	0.30	219.35	-1150.72	-774.48	-156.89	
611.49													
27	96	144	1.05	2.77	0.69	2.45	1.01	0.75	369.73	-341.00	11.95	16.77	-
355.36													
		39	0.88	2.14	-0.72	2.11	-0.69	-0.29	375.87	-224.54	28.14	123.19	-
296.42													
		85	0.84	0.97	-1.94	0.11	-1.08	-1.33	405.18	-127.70	177.09	100.39	-
263.67													
		93	0.97	0.87	0.40	0.59	0.68	-0.23	420.73	-238.13	160.28	22.32	-
322.13													
27	97	144	1.66	-1.17	-4.28	-4.07	-1.37	-0.77	305.46	-807.72	-351.32	-150.94	
547.50													
		39	1.36	1.82	-3.45	-3.44	1.80	0.27	302.79	-595.03	-312.07	19.82	
417.11													
		85	1.85	3.12	-0.36	0.24	2.52	1.31	276.44	-921.37	-649.80	4.87	
501.54													
		93	2.11	-0.41	-0.89	-0.54	-0.76	0.21	231.69	-1126.37	-690.42	-204.26	
634.03													
27	98	144	1.02	4.11	0.87	3.62	1.36	1.16	297.68	-383.63	-32.44	-53.50	-
340.49													
		39	0.72	3.08	-1.51	3.05	-1.49	-0.36	283.29	-209.71	-11.49	85.07	-
241.72													
		85	0.74	0.97	-3.22	-0.15	-2.11	-1.85	393.09	-38.88	267.97	86.23	-
195.94													
		93	0.97	1.03	0.30	0.49	0.84	-0.32	438.12	-218.84	244.33	-25.05	-
299.60													
27	99	144	1.65	-1.44	-5.90	-5.53	-1.82	-1.24	360.07	-751.06	-307.94	-83.05	
544.07													
		39	1.27	2.75	-4.64	-4.62	2.73	0.38	342.56	-485.46	-275.29	132.40	
360.35													
		85	1.87	4.67	-0.41	0.51	3.74	1.96	204.11	-973.03	-788.76	19.83	
427.74													
		93	2.20	-0.31	-1.15	-0.47	-0.99	0.34	221.50	-1189.20	-820.42	-147.28	

619.87													
27	100	144	1.10	3.01	0.79	2.68	1.11	0.79	386.85	-358.07	13.81	14.97	-
372.46													
		39	0.86	2.34	-0.82	2.31	-0.79	-0.33	333.05	-253.24	32.57	47.23	-
293.06													
		85	0.85	1.04	-2.15	0.10	-1.21	-1.45	426.95	-99.10	228.71	99.14	-
254.92													
		93	1.03	0.96	0.41	0.63	0.75	-0.27	457.67	-238.99	209.12	9.57	-
333.73													
27	101	144	1.71	-1.26	-4.52	-4.31	-1.47	-0.81	322.58	-824.90	-353.18	-149.14	
564.60													
		39	1.39	1.91	-3.65	-3.63	1.90	0.31	351.90	-572.61	-316.50	95.78	
413.75													
		85	1.89	3.33	-0.42	0.25	2.66	1.43	258.97	-954.27	-701.41	6.11	
492.79													
		93	2.18	-0.43	-0.98	-0.58	-0.83	0.25	235.93	-1166.71	-739.26	-191.51	
645.63													
27	102	144	1.06	4.41	0.95	3.90	1.46	1.22	310.79	-393.34	-31.42	-51.12	-
351.93													
		39	0.70	3.33	-1.65	3.29	-1.62	-0.40	240.84	-238.86	-8.64	10.61	-
239.66													
		85	0.77	1.02	-3.48	-0.17	-2.29	-1.98	422.88	-21.41	316.05	85.42	-
189.87													
		93	1.04	1.12	0.31	0.52	0.91	-0.35	476.00	-220.39	290.27	-34.66	-
307.97													
27	103	144	1.66	-1.45	-5.87	-5.50	-1.82	-1.23	363.93	-753.25	-308.36	-80.96	
546.90													
		39	1.27	2.73	-4.62	-4.60	2.71	0.38	342.36	-485.29	-276.08	133.15	
359.70													
		85	1.87	4.64	-0.42	0.51	3.71	1.96	203.05	-973.52	-790.52	20.05	
426.40													
		93	2.20	-0.31	-1.16	-0.48	-0.99	0.34	223.70	-1191.28	-821.87	-145.71	
621.48													
27	104	144	1.09	3.04	0.78	2.71	1.11	0.80	384.85	-354.40	13.39	17.06	-
369.62													
		39	0.86	2.36	-0.84	2.33	-0.81	-0.33	333.70	-253.94	31.78	47.98	-
293.70													
		85	0.85	1.03	-2.17	0.09	-1.24	-1.46	427.23	-100.93	226.94	99.36	-
256.26													
		93	1.03	0.96	0.41	0.62	0.74	-0.27	455.75	-236.95	207.67	11.14	-
332.12													
27	105	144	1.71	-1.26	-4.55	-4.33	-1.47	-0.82	318.74	-822.72	-352.76	-151.23	
561.76													
		39	1.39	1.93	-3.67	-3.65	1.92	0.31	352.16	-572.83	-315.71	95.03	
414.40													
		85	1.89	3.35	-0.41	0.25	2.68	1.44	260.26	-954.01	-699.64	5.89	
494.13													
		93	2.17	-0.42	-0.98	-0.58	-0.82	0.25	233.80	-1164.69	-737.81	-193.08	
644.02													
27	106	144	1.07	4.38	0.96	3.88	1.46	1.21	312.82	-397.04	-31.00	-53.22	-
354.76													
		39	0.70	3.30	-1.63	3.27	-1.60	-0.40	240.18	-238.16	-7.85	9.87	-
239.01													
		85	0.77	1.02	-3.46	-0.16	-2.27	-1.98	423.03	-20.01	317.82	85.20	-
188.53													
		93	1.04	1.12	0.31	0.52	0.91	-0.36	478.08	-222.58	291.72	-36.23	-
309.59													
28	1	93	0.35	0.09	-0.37	-0.20	-0.08	-0.22	69.76	-168.48	-165.27	66.56	27.44
		85	0.36	-0.02	-0.47	-0.23	-0.25	-0.22	87.81	-161.21	-161.05	87.66	6.16
		40	0.54	1.77	0.11	1.74	0.14	-0.22	68.65	-265.19	-263.68	67.13	22.44
		92	0.54	1.84	0.42	1.80	0.46	-0.22	40.66	-283.41	-271.38	28.63	61.28
28	2	93	0.86	0.81	-1.96	-0.67	-0.49	-1.38	160.17	-408.37	-380.00	131.80	
123.79													
		85	0.85	0.49	-2.28	-0.77	-1.02	-1.38	218.75	-362.74	-362.63	218.64	-8.03
		40	1.89	9.04	0.67	8.80	0.90	-1.38	94.70	-1001.37	-998.19	91.52	58.96
		92	2.01	9.25	1.60	9.00	1.86	-1.38	18.61	-1115.44	-1029.89	-66.94	
299.51													
28	3	93	0.26	0.06	-0.25	-0.14	-0.05	-0.15	52.09	-125.21	-123.08	49.97	19.29
		85	0.27	-0.02	-0.32	-0.17	-0.18	-0.15	65.09	-120.22	-120.08	64.96	5.01
		40	0.39	1.22	0.07	1.20	0.09	-0.15	52.32	-190.10	-188.97	51.18	16.57
		92	0.38	1.27	0.30	1.25	0.33	-0.15	31.86	-202.47	-194.44	23.83	42.64
28	4	93	0.77	0.77	-1.85	-0.61	-0.46	-1.31	143.02	-365.62	-337.81	115.21	

115.64												
		85	0.76	0.49	-2.14	-0.71	-0.94	-1.31	196.10	-321.82	-321.66	195.94 -9.18
		40	1.75	8.49	0.63	8.27	0.85	-1.31	78.38	-926.30	-923.48	75.57 53.10
		92	1.86	8.69	1.48	8.44	1.73	-1.31	10.17	-1034.86	-952.95	-71.75
280.88												
28	5	93	0.27	0.07	-0.27	-0.15	-0.06	-0.16	52.98	-127.69	-125.37	50.66 20.32
		85	0.28	-0.02	-0.34	-0.17	-0.19	-0.16	66.48	-122.36	-122.23	66.35 4.85
		40	0.40	1.30	0.08	1.28	0.10	-0.16	52.59	-197.95	-196.80	51.44 16.96
		92	0.40	1.35	0.32	1.33	0.34	-0.16	31.53	-211.25	-202.53	22.81 45.18
28	6	93	0.60	0.54	-1.33	-0.46	-0.33	-0.94	112.90	-287.26	-268.52	94.16 84.55
		85	0.60	0.32	-1.55	-0.54	-0.70	-0.94	153.72	-256.67	-256.62	153.67 -4.60
		40	1.31	6.15	0.45	5.99	0.61	-0.94	69.96	-688.73	-686.48	67.70 41.31
		92	1.38	6.30	1.10	6.12	1.28	-0.94	16.52	-765.63	-708.20	-40.91
204.00												
28	7	93	0.27	0.07	-0.27	-0.15	-0.06	-0.16	52.98	-127.69	-125.37	50.66 20.32
		85	0.28	-0.02	-0.34	-0.17	-0.19	-0.16	66.48	-122.36	-122.23	66.35 4.85
		40	0.40	1.30	0.08	1.28	0.10	-0.16	52.59	-197.95	-196.80	51.44 16.96
		92	0.40	1.35	0.32	1.33	0.34	-0.16	31.53	-211.25	-202.53	22.81 45.18
28	8	93	0.50	0.40	-1.01	-0.37	-0.25	-0.70	94.43	-238.89	-225.58	81.11 65.28
		85	0.50	0.22	-1.19	-0.43	-0.54	-0.70	127.49	-216.31	-216.30	127.48 -1.77
		40	1.03	4.69	0.34	4.58	0.46	-0.70	64.74	-541.49	-539.57	62.82 34.00
		92	1.09	4.81	0.87	4.68	1.00	-0.70	20.57	-598.86	-556.50	-21.79
156.36												
28	9	93	0.27	0.07	-0.27	-0.15	-0.06	-0.16	52.98	-127.69	-125.37	50.66 20.32
		85	0.28	-0.02	-0.34	-0.17	-0.19	-0.16	66.48	-122.36	-122.23	66.35 4.85
		40	0.40	1.30	0.08	1.28	0.10	-0.16	52.59	-197.95	-196.80	51.44 16.96
		92	0.40	1.35	0.32	1.33	0.34	-0.16	31.53	-211.25	-202.53	22.81 45.18
28	10	93	0.47	0.35	-0.91	-0.34	-0.22	-0.63	88.32	-222.83	-211.26	76.76 58.86
		85	0.47	0.19	-1.07	-0.39	-0.49	-0.63	118.75	-202.87	-202.86	118.75 -0.82
		40	0.94	4.21	0.30	4.11	0.41	-0.63	63.00	-492.41	-490.61	61.20 31.57
		92	0.99	4.32	0.79	4.20	0.90	-0.63	21.96	-543.31	-505.93	-15.42
140.48												
28	11	93	1.39	2.64	-5.18	-2.18	-0.36	-3.80	296.93	-629.67	-629.05	296.31 23.96
		85	1.34	-1.12	-4.37	-2.72	-2.77	1.62	291.36	-606.49	-601.07	285.94 69.53
		40	1.84	27.20	3.24	27.19	3.24	-0.31	487.74	-545.64	-502.79	444.90
206.00												
		92	1.62	32.23	4.03	28.16	8.11	-9.91	201.99	-576.53	-553.92	179.38
130.73												
28	12	93	0.63	1.12	-2.80	-1.00	-0.69	-1.95	125.81	-287.65	-286.36	124.52-23.05
		85	0.66	-0.86	-2.40	-1.32	-1.95	0.70	-118.31	-422.94	-323.39	-217.85
142.88												
		40	0.75	15.37	1.37	15.37	1.37	-0.21	326.91	48.50	325.86	49.55 17.08
		92	1.26	17.77	2.42	15.94	4.26	-4.97	673.03	133.04	396.77	409.30 -
269.92												
28	13	93	0.50	0.99	-0.42	0.33	0.25	0.70	109.62	-216.78	-136.17	29.00
140.76												
		85	0.97	2.71	-1.21	0.54	0.96	-1.95	491.73	-118.72	-82.34	455.34 -
144.53												
		40	2.36	-0.40	-7.32	-7.16	-0.56	-1.04	74.38	-1308.61	-1307.07	72.84 46.06
		92	2.77	-0.48	-9.49	-7.53	-2.45	3.72	-190.93	-1657.84	-1408.63	-440.14
550.87												
28	14	93	0.63	3.38	-1.96	1.51	-0.08	2.55	230.10	-166.36	206.53	-142.79 93.76
		85	0.48	4.73	-1.02	1.94	1.78	-2.88	214.60	-67.71	195.34	-48.45-71.17
		40	1.06	-2.38	-19.03	-18.98	-2.43	-0.95	-237.71	-563.21	-478.42	-322.50 -
142.86												
		92	1.17	-2.06	-23.99	-19.75	-6.30	8.66	-139.39	-528.78	-457.95	-210.22
150.22												
28	15	93	1.45	2.66	-5.20	-2.21	-0.33	-3.82	310.46	-651.34	-650.96	310.08 19.21
		85	1.39	-1.09	-4.48	-2.77	-2.80	1.70	303.95	-628.14	-623.14	298.95 68.06
		40	1.87	27.59	3.29	27.58	3.29	-0.32	503.60	-546.20	-504.73	462.13
204.50												
		92	1.64	32.71	4.14	28.57	8.28	-10.06	213.82	-574.96	-555.62	194.49
121.97												
28	16	93	0.57	1.10	-2.78	-0.96	-0.72	-1.94	111.64	-265.34	-264.45	110.75-18.30
		85	0.65	-0.88	-2.30	-1.27	-1.91	0.63	-117.50	-414.68	-301.32	-230.86
144.35												
		40	0.76	14.98	1.32	14.98	1.32	-0.19	328.95	31.16	327.79	32.32 18.58
		92	1.23	17.29	2.32	15.52	4.08	-4.83	657.50	135.17	398.47	394.19 -
261.15												
28	17	93	0.51	0.97	-0.40	0.29	0.28	0.69	111.42	-226.72	-158.07	42.77
136.01												
		85	1.01	2.60	-1.19	0.49	0.92	-1.88	503.42	-139.47	-104.41	468.35 -

145.99													
		40	2.37	-0.33	-6.94	-6.77	-0.51	-1.06	91.49	-1310.42	-1309.00	90.07	44.56
		92	2.76	-0.38	-9.01	-7.11	-2.28	3.58	-185.17	-1650.20	-1410.33	-425.04	
542.10													
28	18	93	0.69	3.41	-1.98	1.54	-0.12	2.57	252.18	-180.30	228.44	-156.56	98.50
		85	0.52	4.85	-1.05	1.98	1.81	-2.95	233.86	-77.91	217.41	-61.46	-69.70
		40	1.06	-2.43	-19.42	-19.37	-2.48	-0.93	-251.08	-565.14	-476.49	-339.73	-
141.36													
		92	1.19	-2.16	-24.47	-20.16	-6.47	8.81	-144.30	-537.27	-456.24	-225.33	
158.98													
28	19	93	1.42	2.51	-4.99	-2.11	-0.37	-3.65	304.49	-640.97	-640.51	304.03	20.70
		85	1.37	-1.05	-4.27	-2.64	-2.68	1.61	303.35	-620.10	-614.98	298.24	68.52
		40	1.82	26.44	3.15	26.43	3.16	-0.29	489.35	-533.05	-493.13	449.44	
198.03													
		92	1.59	31.31	4.01	27.38	7.94	-9.58	219.92	-559.90	-542.37	202.38	
115.61													
28	20	93	0.65	0.99	-2.62	-0.93	-0.69	-1.80	133.85	-299.42	-297.82	132.24	-26.31
		85	0.67	-0.80	-2.31	-1.24	-1.87	0.68	-115.01	-427.86	-337.31	-205.56	
141.88													
		40	0.75	14.61	1.28	14.61	1.28	-0.19	335.81	53.80	335.52	54.09	9.11
		92	1.29	16.85	2.40	15.16	4.09	-4.64	705.61	135.01	408.31	432.30	-
285.05													
28	21	93	0.49	0.81	-0.29	0.26	0.25	0.55	109.75	-213.18	-124.70	21.27	
144.03													
		85	0.94	2.62	-1.28	0.46	0.88	-1.94	480.57	-105.94	-68.42	443.05	-
143.52													
		40	2.36	-0.29	-6.58	-6.40	-0.47	-1.06	70.41	-1318.83	-1316.73	68.30	54.03
		92	2.79	-0.46	-8.57	-6.75	-2.28	3.39	-200.49	-1682.83	-1420.18	-463.15	
566.00													
28	22	93	0.66	3.20	-1.83	1.44	-0.08	2.40	241.97	-174.50	217.99	-150.52	97.02
		85	0.51	4.64	-1.09	1.86	1.69	-2.86	226.40	-77.89	209.26	-60.75	-70.16
		40	1.05	-2.29	-18.28	-18.22	-2.34	-0.96	-250.47	-564.66	-488.08	-327.04	-
134.89													
		92	1.19	-2.04	-23.07	-18.97	-6.13	8.33	-148.15	-554.57	-469.49	-233.23	
165.34													
28	23	93	1.47	2.54	-5.02	-2.15	-0.33	-3.67	318.06	-662.68	-662.42	317.80	15.95
		85	1.43	-1.02	-4.38	-2.69	-2.72	1.68	315.96	-641.77	-637.05	311.25	67.06
		40	1.84	26.83	3.20	26.82	3.21	-0.30	505.28	-533.68	-495.07	466.67	
196.53													
		92	1.61	31.79	4.12	27.80	8.11	-9.72	232.19	-558.78	-544.07	217.49	
106.84													
28	24	93	0.60	0.98	-2.60	-0.89	-0.73	-1.78	119.65	-277.09	-275.91	118.47	-21.56
		85	0.65	-0.82	-2.20	-1.19	-1.83	0.61	-115.62	-418.18	-315.24	-218.56	
143.35													
		40	0.76	14.22	1.23	14.22	1.23	-0.17	337.82	36.49	337.45	36.86	10.61
		92	1.26	16.37	2.29	14.74	3.91	-4.49	689.91	137.30	410.02	417.20	-
276.28													
28	25	93	0.50	0.79	-0.28	0.22	0.28	0.53	110.49	-222.06	-146.61	35.04	
139.28													
		85	0.98	2.50	-1.25	0.41	0.84	-1.87	492.13	-126.57	-90.49	456.05	-
144.99													
		40	2.37	-0.22	-6.21	-6.01	-0.42	-1.08	87.50	-1320.63	-1318.66	85.53	52.53
		92	2.78	-0.35	-8.09	-6.33	-2.11	3.24	-194.96	-1674.96	-1421.88	-448.04	
557.23													
28	26	93	0.71	3.22	-1.86	1.47	-0.11	2.41	264.08	-188.46	239.90	-164.29	
101.77													
		85	0.55	4.75	-1.11	1.91	1.73	-2.93	246.08	-88.51	231.33	-73.76	-68.70
		40	1.06	-2.34	-18.67	-18.61	-2.40	-0.95	-264.13	-566.29	-486.15	-344.27	-
133.39													
		92	1.21	-2.14	-23.55	-19.39	-6.30	8.47	-152.26	-563.86	-467.79	-248.33	
174.11													
28	27	93	1.91	3.39	-5.84	-2.68	0.24	-4.38	414.45	-867.62	-856.35	403.17	
119.68													
		85	2.44	-1.31	-4.32	-3.21	-2.41	1.45	937.92	-748.39	-743.47	932.99	-90.97
		40	4.29	28.98	4.07	28.96	4.09	-0.68	829.10	-1804.23	-1751.04	775.91	
370.43													
		92	4.27	34.56	4.27	29.93	8.91	-10.91	-19.79	-2248.10	-1962.19	-305.69	
745.21													
28	28	93	0.70	2.27	-1.87	1.26	-0.86	1.78	288.95	-172.45	285.96	-169.46	-37.01
		85	1.49	2.61	-0.85	1.45	0.31	-1.63	206.86	-771.06	182.12	-746.33	
153.54													
		40	2.52	-2.13	-10.46	-10.45	-2.14	-0.35	1053.27	-584.06	1011.11	-541.90	-

259.31													
		92	2.67	-0.83	-13.91	-10.81	-3.93	5.56	1532.01	135.44	1206.75	460.70	-
590.30													
28	29	93	1.60	2.49	-4.00	-1.93	0.42	-3.03	345.69	-731.20	-708.49	322.98	
154.72													
		85	2.34	-1.16	-2.37	-2.24	-1.30	0.38	998.99	-603.03	-587.85	983.82	-
155.19													
		40	4.37	18.71	2.90	18.66	2.95	-0.90	702.87	-2030.90	-1992.33	664.30	
322.45													
		92	4.55	22.07	2.90	19.22	5.74	-6.81	-128.39	-2581.77	-2218.61	-491.55	
871.25													
28	30	93	1.04	4.07	-2.74	2.01	-0.68	3.13	433.83	-249.66	433.83	-249.66	-1.97
		85	1.55	4.68	-0.82	2.43	1.43	-2.70	345.41	-703.17	337.74	-695.50	89.33
		40	2.48	-3.26	-20.77	-20.75	-3.28	-0.57	833.34	-717.03	769.83	-653.52	-
307.29													
		92	2.37	-2.26	-26.36	-21.52	-7.10	9.65	1186.70	38.47	950.33	274.85	-
464.26													
28	31	93	1.92	3.36	-5.78	-2.66	0.24	-4.33	416.53	-870.83	-859.79	405.49	
118.70													
		85	2.46	-1.29	-4.29	-3.19	-2.39	1.45	941.62	-752.58	-747.65	936.68	-91.27
		40	4.28	28.75	4.05	28.74	4.07	-0.67	829.82	-1800.69	-1748.15	777.27	
368.04													
		92	4.26	34.29	4.27	29.69	8.86	-10.81	-16.36	-2241.17	-1958.73	-298.79	
740.67													
28	32	93	0.69	2.32	-1.91	1.28	-0.86	1.82	285.71	-170.33	282.52	-167.15	-37.99
		85	1.48	2.64	-0.83	1.48	0.33	-1.63	202.79	-767.48	177.95	-742.64	
153.24													
		40	2.53	-2.15	-10.69	-10.68	-2.17	-0.35	1056.88	-583.42	1014.01	-540.54	-
261.70													
		92	2.69	-0.84	-14.19	-11.04	-3.98	5.66	1540.12	137.69	1210.21	467.60	-
594.84													
28	33	93	1.59	2.53	-4.06	-1.95	0.42	-3.07	343.78	-728.16	-705.05	320.66	
155.70													
		85	2.33	-1.19	-2.39	-2.26	-1.32	0.38	995.32	-598.87	-583.68	980.13	-
154.88													
		40	4.37	18.94	2.93	18.89	2.98	-0.91	702.06	-2034.35	-1995.23	662.93	
324.84													
		92	4.56	22.34	2.90	19.45	5.79	-6.92	-131.55	-2588.97	-2222.07	-498.45	
875.79													
28	34	93	1.05	4.01	-2.70	1.99	-0.68	3.08	437.27	-251.98	437.27	-251.97	-0.99
		85	1.56	4.65	-0.84	2.41	1.40	-2.70	349.58	-706.85	341.92	-699.19	89.63
		40	2.48	-3.24	-20.54	-20.53	-3.26	-0.58	829.56	-717.51	766.93	-654.88	-
304.90													
		92	2.35	-2.25	-26.08	-21.28	-7.05	9.55	1178.88	35.94	946.87	267.95	-
459.72													
28	35	93	2.09	3.48	-5.93	-2.80	0.34	-4.44	456.85	-937.16	-929.38	449.07	
103.86													
		85	2.61	-1.22	-4.69	-3.37	-2.54	1.69	981.46	-822.15	-817.04	976.35	-95.86
		40	4.38	30.29	4.24	30.27	4.26	-0.73	883.90	-1808.05	-1757.49	833.35	
365.42													
		92	4.28	36.17	4.62	31.31	9.48	-11.39	4.56	-2227.78	-1967.88	-255.34	
715.99													
28	36	93	0.87	2.38	-1.97	1.37	-0.97	1.83	359.77	-216.14	358.99	-215.36	-21.18
		85	1.64	2.98	-0.94	1.61	0.43	-1.87	279.18	-813.17	255.69	-789.68	
158.44													
		40	2.62	-2.30	-11.76	-11.75	-2.31	-0.30	1056.61	-638.39	1017.56	-599.34	-
254.30													
		92	2.66	-1.19	-15.51	-12.20	-4.51	6.04	1501.06	121.72	1212.44	410.35	-
561.08													
28	37	93	1.76	2.58	-4.10	-2.04	0.52	-3.09	385.41	-798.05	-781.51	368.88	
138.90													
		85	2.51	-1.12	-2.69	-2.39	-1.42	0.62	1042.21	-676.46	-661.42	1027.17	-
160.08													
		40	4.46	20.02	3.07	19.96	3.12	-0.95	758.28	-2035.32	-1998.77	721.73	
317.44													
		92	4.55	23.67	3.25	20.61	6.31	-7.29	-106.42	-2559.07	-2224.30	-441.20	
842.03													
28	38	93	1.22	4.17	-2.83	2.13	-0.78	3.19	507.09	-295.79	506.85	-295.55	13.86
		85	1.71	5.06	-0.92	2.59	1.55	-2.94	418.98	-746.53	411.31	-738.86	94.22
		40	2.58	-3.44	-22.07	-22.06	-3.45	-0.52	835.37	-770.05	776.28	-710.96	-
302.28													
		92	2.36	-2.61	-27.96	-22.90	-7.67	10.13	1158.63	21.89	956.02	224.49	-

435.04													
28	39	93	2.09	3.44	-5.88	-2.78	0.34	-4.39	458.99	-940.42	-932.82	451.39	
102.88													
		85	2.62	-1.20	-4.67	-3.35	-2.51	1.68	985.16	-826.33	-821.21	980.04	-96.16
		40	4.37	30.06	4.22	30.04	4.24	-0.73	884.65	-1804.53	-1754.59	834.71	
363.03													
		92	4.27	35.89	4.62	31.08	9.43	-11.28	8.16	-2221.02	-1964.42	-248.44	
711.45													
28	40	93	0.86	2.43	-2.01	1.39	-0.97	1.88	356.41	-213.91	355.55	-213.04	-22.16
		85	1.63	3.01	-0.92	1.64	0.46	-1.87	275.09	-809.56	251.52	-785.99	
158.14													
		40	2.62	-2.33	-11.99	-11.98	-2.34	-0.29	1060.19	-637.71	1020.46	-597.98	-
256.69													
		92	2.67	-1.20	-15.79	-12.43	-4.56	6.14	1508.95	124.20	1215.90	417.25	-
565.62													
28	41	93	1.75	2.62	-4.16	-2.07	0.53	-3.13	383.40	-794.92	-778.07	366.56	
139.88													
		85	2.49	-1.14	-2.72	-2.42	-1.45	0.62	1038.54	-672.30	-657.25	1023.48	-
159.78													
		40	4.46	20.24	3.10	20.19	3.15	-0.96	757.44	-2038.75	-2001.67	720.37	
319.83													
		92	4.56	23.95	3.25	20.84	6.36	-7.40	-109.73	-2566.13	-2227.76	-448.10	
846.57													
28	42	93	1.23	4.12	-2.80	2.10	-0.78	3.14	510.57	-298.14	510.29	-297.87	14.84
		85	1.72	5.03	-0.94	2.57	1.53	-2.94	423.15	-750.21	415.49	-742.55	94.52
		40	2.57	-3.41	-21.84	-21.83	-3.43	-0.53	831.63	-770.57	773.38	-712.32	-
299.89													
		92	2.34	-2.61	-27.69	-22.67	-7.62	10.03	1151.09	19.06	952.56	217.59	-
430.50													
28	43	93	1.19	2.15	-4.27	-1.79	-0.33	-3.13	251.88	-543.55	-542.31	250.64	31.45
		85	1.16	-1.10	-3.41	-2.23	-2.29	1.15	255.27	-522.22	-518.38	251.42	54.55
		40	1.65	22.34	2.64	22.34	2.64	-0.37	397.15	-532.79	-500.94	365.29	
169.14													
		92	1.49	26.33	3.39	23.12	6.60	-7.96	163.91	-569.46	-544.58	139.03	
132.78													
28	44	93	0.58	0.95	-2.39	-0.86	-0.59	-1.67	114.58	-270.80	-270.72	114.50	-5.76
		85	0.56	-0.89	-1.88	-1.12	-1.64	0.42	-87.64	-358.57	-298.34	-147.87	
112.66													
		40	0.44	12.98	1.16	12.97	1.16	-0.29	159.36	48.46	155.83	51.99	19.45
		92	0.87	14.88	2.10	13.44	3.55	-4.05	458.12	71.95	208.93	321.14	-
184.75													
28	45	93	0.47	0.58	-0.25	0.19	0.15	0.41	99.65	-212.44	-151.81	39.02	
123.47													
		85	0.84	2.18	-1.18	0.34	0.66	-1.68	410.59	-132.61	-107.39	385.36	-
114.30													
		40	2.03	-0.15	-4.96	-4.76	-0.35	-0.96	71.99	-1138.63	-1137.05	70.41	43.69
		92	2.37	-0.14	-6.63	-5.03	-1.74	2.79	-149.53	-1423.24	-1220.79	-351.99	
465.70													
28	46	93	0.45	2.48	-1.47	1.12	-0.11	1.88	149.91	-127.25	119.78	-97.12	86.27
		85	0.31	3.78	-1.03	1.45	1.30	-2.41	134.00	-35.28	112.65	-13.93	-56.19
		40	0.96	-1.77	-14.19	-14.13	-1.83	-0.88	-202.45	-520.72	-480.28	-242.90	-
106.00													
		92	1.09	-1.41	-18.09	-14.71	-4.79	6.71	-108.65	-528.50	-467.28	-169.87	
148.17													
28	47	93	1.24	2.17	-4.29	-1.82	-0.30	-3.14	262.49	-560.61	-559.67	261.55	27.67
		85	1.20	-1.08	-3.50	-2.27	-2.32	1.21	265.29	-539.43	-535.88	261.73	53.39
		40	1.67	22.65	2.68	22.65	2.69	-0.38	409.87	-533.38	-502.47	378.95	
167.94													
		92	1.50	26.71	3.47	23.45	6.74	-8.07	173.03	-567.95	-545.93	151.01	
125.82													
28	48	93	0.54	0.93	-2.38	-0.83	-0.61	-1.65	103.59	-253.36	-253.35	103.58	-1.98
		85	0.54	-0.90	-1.80	-1.08	-1.61	0.37	-90.22	-348.80	-280.84	-158.19	
113.82													
		40	0.44	12.67	1.12	12.66	1.12	-0.28	160.84	34.84	157.36	38.32	20.65
		92	0.85	14.50	2.02	13.11	3.41	-3.93	444.26	75.17	210.28	309.15	-
177.80													
28	49	93	0.49	0.57	-0.23	0.16	0.17	0.40	102.65	-221.89	-169.18	49.94	
119.70													
		85	0.88	2.09	-1.16	0.30	0.63	-1.62	420.14	-149.35	-124.89	395.68	-
115.46													
		40	2.04	-0.10	-4.67	-4.45	-0.31	-0.97	85.54	-1140.05	-1138.58	84.07	42.49
		92	2.35	-0.06	-6.25	-4.70	-1.60	2.68	-144.68	-1417.46	-1222.14	-340.00	

458.75													
28	50	93	0.49	2.50	-1.49	1.15	-0.14	1.89	166.67	-137.56	137.15	-108.04	90.05
		85	0.34	3.87	-1.06	1.49	1.33	-2.46	147.76	-41.85	130.15	-24.24	-55.03
		40	0.96	-1.82	-14.49	-14.43	-1.88	-0.87	-214.93	-520.38	-478.75	-256.56	-
104.80													
		92	1.11	-1.49	-18.48	-15.04	-4.93	6.82	-113.57	-534.22	-465.93	-181.86	
155.13													
28	51	93	1.22	2.05	-4.12	-1.74	-0.33	-3.00	257.77	-552.42	-551.39	256.73	28.92
		85	1.18	-1.05	-3.34	-2.17	-2.22	1.14	264.87	-533.02	-529.40	261.25	53.63
		40	1.62	21.72	2.57	21.71	2.57	-0.36	398.52	-523.07	-493.44	368.89	
162.56													
		92	1.47	25.58	3.37	22.49	6.46	-7.69	177.72	-556.04	-535.58	157.26	
120.79													
28	52	93	0.60	0.85	-2.24	-0.80	-0.59	-1.54	120.76	-279.97	-279.80	120.59	-8.28
		85	0.57	-0.83	-1.80	-1.06	-1.58	0.41	-82.92	-364.50	-309.37	-138.05	
111.73													
		40	0.43	12.35	1.09	12.35	1.09	-0.28	164.84	54.07	163.32	55.59	12.87
		92	0.91	14.13	2.08	12.80	3.41	-3.77	484.55	72.75	217.93	339.38	-
196.74													
28	53	93	0.46	0.43	-0.15	0.13	0.15	0.29	98.69	-208.49	-142.73	32.93	
126.00													
		85	0.82	2.10	-1.24	0.28	0.59	-1.66	401.37	-122.19	-96.36	375.54	-
113.37													
		40	2.04	-0.05	-4.37	-4.14	-0.28	-0.97	68.89	-1146.62	-1144.54	66.81	50.27
		92	2.38	-0.12	-5.88	-4.39	-1.60	2.52	-157.43	-1442.58	-1229.79	-370.22	
477.69													
28	54	93	0.47	2.33	-1.37	1.07	-0.11	1.75	158.94	-133.30	128.86	-103.22	88.80
		85	0.33	3.70	-1.09	1.39	1.23	-2.39	142.09	-42.17	123.68	-23.76	-55.27
		40	0.96	-1.70	-13.57	-13.50	-1.76	-0.89	-210.81	-523.46	-487.77	-246.50	-99.42
		92	1.11	-1.39	-17.34	-14.08	-4.66	6.43	-116.76	-547.63	-476.28	-188.11	
160.16													
28	55	93	1.26	2.07	-4.14	-1.77	-0.31	-3.02	268.41	-569.51	-568.76	267.65	25.14
		85	1.22	-1.03	-3.43	-2.20	-2.25	1.20	274.91	-550.25	-546.90	271.56	52.47
		40	1.65	22.03	2.61	22.02	2.61	-0.37	411.29	-523.71	-494.97	382.55	
161.36													
		92	1.48	25.96	3.46	22.81	6.60	-7.80	187.15	-554.83	-536.93	169.25	
113.84													
28	56	93	0.56	0.83	-2.22	-0.78	-0.62	-1.53	109.73	-262.48	-262.43	109.68	-4.51
		85	0.55	-0.84	-1.72	-1.02	-1.55	0.35	-86.35	-353.88	-291.87	-148.36	
112.89													
		40	0.44	12.04	1.04	12.04	1.05	-0.27	166.44	40.34	164.85	41.93	14.07
		92	0.88	13.75	2.00	12.47	3.27	-3.66	470.67	76.00	219.28	327.39	-
189.79													
28	57	93	0.48	0.42	-0.14	0.10	0.18	0.27	101.05	-217.30	-160.09	43.84	
122.22													
		85	0.85	2.01	-1.21	0.24	0.56	-1.61	410.85	-138.86	-113.86	385.85	-
114.53													
		40	2.05	0.01	-4.08	-3.83	-0.24	-0.98	82.43	-1148.03	-1146.07	80.47	49.07
		92	2.37	-0.03	-5.50	-4.07	-1.47	2.41	-152.75	-1436.63	-1231.14	-358.24	
470.74													
28	58	93	0.51	2.35	-1.39	1.09	-0.13	1.76	175.79	-143.69	146.23	-114.13	92.57
		85	0.36	3.79	-1.11	1.42	1.26	-2.45	156.53	-49.43	141.17	-34.07	-54.11
		40	0.95	-1.74	-13.88	-13.81	-1.80	-0.88	-223.45	-522.95	-486.24	-260.16	-98.22
		92	1.12	-1.48	-17.72	-14.40	-4.79	6.55	-121.16	-553.87	-474.93	-200.10	
167.11													
28	59	93	1.61	2.76	-4.80	-2.19	0.14	-3.60	346.13	-733.21	-722.48	335.41	
107.06													
		85	2.03	-1.25	-3.38	-2.62	-2.01	1.02	767.89	-634.98	-631.24	764.15	-72.33
		40	3.59	23.80	3.30	23.78	3.32	-0.67	669.25	-1531.46	-1489.81	627.60	
299.87													
		92	3.59	28.22	3.58	24.56	7.24	-8.76	-12.24	-1893.40	-1660.34	-245.30	
619.75													
28	60	93	0.46	1.62	-1.42	0.93	-0.73	1.28	183.76	-119.35	182.81	-118.40	-16.95
		85	1.10	2.10	-0.89	1.07	0.14	-1.42	123.55	-588.17	102.22	-566.84	
121.35													
		40	1.81	-1.59	-7.47	-7.44	-1.61	-0.41	733.88	-451.20	699.43	-416.75	-
199.09													
		92	1.93	-0.42	-10.23	-7.71	-2.93	4.28	1108.91	104.19	851.35	361.76	-
438.68													
28	61	93	1.36	2.05	-3.36	-1.60	0.28	-2.53	292.13	-625.54	-605.34	271.92	
134.67													
		85	1.95	-1.09	-1.89	-1.85	-1.13	0.17	815.76	-519.37	-507.95	804.33	-

122.99													
		40	3.65	15.71	2.37	15.65	2.43	-0.84	569.70	-1711.20	-1680.64	539.14	
262.23													
		92	3.80	18.37	2.49	16.12	4.74	-5.54	-99.05	-2156.76	-1863.21	-392.60	
719.63													
28	62	93	0.74	3.04	-2.10	1.52	-0.58	2.34	300.20	-182.12	299.96	-181.89	10.66
		85	1.14	3.74	-0.87	1.84	1.02	-2.27	232.10	-533.24	225.51	-526.66	70.69
		40	1.79	-2.49	-15.60	-15.57	-2.51	-0.58	561.15	-557.76	508.59	-505.21	-
236.73													
		92	1.69	-1.57	-20.02	-16.15	-5.44	7.51	833.82	29.12	648.48	214.45	-
338.80													
28	63	93	1.62	2.72	-4.76	-2.17	0.14	-3.56	347.77	-735.74	-725.21	337.23	
106.30													
		85	2.04	-1.24	-3.35	-2.60	-1.99	1.01	770.85	-638.30	-634.55	767.10	-72.61
		40	3.59	23.62	3.28	23.59	3.30	-0.66	669.82	-1528.69	-1487.56	628.68	
297.90													
		92	3.58	28.00	3.58	24.37	7.20	-8.68	-9.48	-1887.99	-1657.64	-239.83	
616.16													
28	64	93	0.46	1.67	-1.45	0.94	-0.73	1.32	181.14	-117.63	180.09	-116.58	-17.71
		85	1.10	2.12	-0.87	1.09	0.16	-1.42	120.33	-585.32	98.91	-563.89	
121.07													
		40	1.82	-1.61	-7.66	-7.63	-1.64	-0.40	736.75	-450.75	701.67	-415.67	-
201.07													
		92	1.95	-0.42	-10.45	-7.90	-2.97	4.37	1115.47	105.80	854.04	367.23	-
442.28													
28	65	93	1.36	2.08	-3.40	-1.61	0.29	-2.57	290.62	-623.14	-602.61	270.09	
135.42													
		85	1.94	-1.11	-1.91	-1.87	-1.15	0.17	812.81	-516.07	-504.64	801.38	-
122.71													
		40	3.66	15.89	2.39	15.84	2.45	-0.85	569.06	-1713.89	-1682.89	538.06	
264.21													
		92	3.81	18.60	2.50	16.31	4.78	-5.62	-101.60	-2162.38	-1865.91	-398.07	
723.23													
28	66	93	0.75	2.99	-2.07	1.50	-0.58	2.31	302.95	-183.99	302.69	-183.72	11.42
		85	1.15	3.71	-0.89	1.82	1.00	-2.26	235.40	-536.19	228.82	-529.61	70.97
		40	1.78	-2.47	-15.41	-15.38	-2.49	-0.59	558.12	-558.07	506.34	-506.29	-
234.76													
		92	1.67	-1.56	-19.80	-15.96	-5.39	7.43	827.46	27.30	645.78	208.98	-
335.21													
28	67	93	1.74	2.82	-4.88	-2.28	0.23	-3.64	379.49	-788.08	-780.38	371.79	94.47
		85	2.17	-1.18	-3.67	-2.75	-2.11	1.21	802.41	-693.46	-689.57	798.52	-76.21
		40	3.66	24.84	3.44	24.81	3.46	-0.71	712.80	-1534.56	-1494.91	673.14	
295.88													
		92	3.59	29.49	3.86	25.66	7.70	-9.14	7.48	-1877.67	-1664.85	-205.34	
596.58													
28	68	93	0.60	1.71	-1.51	1.02	-0.81	1.33	240.76	-154.84	240.71	-154.79	-4.36
		85	1.22	2.39	-0.96	1.20	0.24	-1.61	180.60	-621.27	160.55	-601.21	
125.22													
		40	1.89	-1.73	-8.49	-8.47	-1.75	-0.37	736.28	-494.04	704.52	-462.28	-
195.11													
		92	1.92	-0.70	-11.49	-8.80	-3.39	4.66	1082.73	94.91	855.85	321.80	-
415.51													
28	69	93	1.49	2.12	-3.44	-1.69	0.37	-2.58	323.41	-678.34	-663.23	308.31	
122.08													
		85	2.08	-1.08	-2.12	-1.98	-1.22	0.36	850.07	-577.64	-566.27	838.70	-
126.86													
		40	3.72	16.74	2.51	16.68	2.56	-0.89	613.68	-1714.74	-1685.74	584.68	
258.25													
		92	3.81	19.64	2.77	17.21	5.19	-5.92	-81.14	-2139.21	-1867.71	-352.64	
696.46													
28	70	93	0.88	3.12	-2.18	1.61	-0.67	2.39	358.79	-219.21	357.86	-218.28	23.25
		85	1.27	4.04	-0.95	1.97	1.12	-2.46	290.37	-567.56	283.84	-561.03	74.56
		40	1.86	-2.63	-16.62	-16.60	-2.65	-0.54	562.36	-599.41	513.69	-550.75	-
232.74													
		92	1.68	-1.85	-21.29	-17.25	-5.89	7.89	809.80	17.68	652.98	174.49	-
315.63													
28	71	93	1.75	2.79	-4.83	-2.27	0.22	-3.60	381.16	-790.65	-783.11	373.62	93.71
		85	2.17	-1.16	-3.65	-2.73	-2.09	1.20	805.37	-696.78	-692.88	801.47	-76.48
		40	3.66	24.65	3.42	24.63	3.44	-0.71	713.38	-1531.81	-1492.66	674.22	
293.91													
		92	3.58	29.27	3.86	25.47	7.65	-9.06	10.37	-1872.39	-1662.15	-199.87	
592.98													

28	72	93	0.60	1.76	-1.54	1.03	-0.81	1.36	238.05	-153.03	237.98	-152.96	-5.12
		85	1.21	2.42	-0.95	1.22	0.26	-1.61	177.36	-618.39	157.24	-598.27	
124.94													
		40	1.89	-1.75	-8.68	-8.66	-1.77	-0.36	739.13	-493.56	706.77	-461.20	-
197.08													
		92	1.93	-0.71	-11.71	-9.00	-3.43	4.75	1089.11	96.71	858.55	327.27	-
419.10													
28	73	93	1.48	2.15	-3.48	-1.71	0.37	-2.62	321.84	-675.87	-660.51	306.48	
122.84													
		85	2.07	-1.10	-2.14	-2.00	-1.24	0.36	847.12	-574.33	-562.97	835.76	-
126.58													
		40	3.73	16.93	2.53	16.87	2.58	-0.89	613.02	-1717.41	-1687.99	583.60	
260.22													
		92	3.82	19.86	2.78	17.40	5.23	-6.00	-83.81	-2144.72	-1870.41	-358.11	
700.05													
28	74	93	0.89	3.07	-2.14	1.59	-0.67	2.35	361.57	-221.09	360.58	-220.10	24.00
		85	1.28	4.01	-0.97	1.95	1.10	-2.45	293.68	-570.51	287.15	-563.98	74.84
		40	1.86	-2.61	-16.44	-16.41	-2.63	-0.55	559.37	-599.75	511.44	-551.83	-
230.77													
		92	1.66	-1.84	-21.06	-17.06	-5.85	7.81	803.70	15.61	650.29	169.02	-
312.03													
28	75	93	1.06	1.84	-3.69	-1.54	-0.31	-2.70	222.34	-486.69	-484.84	220.49	36.13
		85	1.04	-1.10	-2.79	-1.91	-1.98	0.85	231.28	-466.53	-463.61	228.36	45.06
		40	1.52	19.20	2.25	19.19	2.26	-0.42	337.79	-524.28	-498.99	312.50	
145.45													
		92	1.40	22.51	2.96	19.86	5.61	-6.69	138.80	-564.32	-537.73	112.22	
134.11													
28	76	93	0.55	0.85	-2.14	-0.77	-0.52	-1.49	108.06	-260.48	-260.40	107.98	5.38
		85	0.51	-0.89	-1.55	-1.00	-1.45	0.24	-62.17	-321.22	-281.77	-101.63	93.08
		40	0.24	11.46	1.02	11.45	1.03	-0.35	70.97	26.39	43.77	53.58	21.74
		92	0.64	13.06	1.89	11.85	3.09	-3.46	329.93	17.77	84.97	262.72	-
128.30													
28	77	93	0.46	0.33	-0.15	0.10	0.08	0.24	94.68	-211.26	-162.13	45.54	
112.33													
		85	0.77	1.84	-1.16	0.22	0.46	-1.49	357.74	-142.59	-123.96	339.12	-94.72
		40	1.82	0.02	-3.49	-3.24	-0.22	-0.90	70.37	-1026.55	-1024.99	68.81	41.40
		92	2.10	0.09	-4.82	-3.44	-1.29	2.21	-121.79	-1268.61	-1096.84	-293.57	
409.25													
28	78	93	0.34	1.90	-1.16	0.87	-0.13	1.45	101.76	-106.42	62.32	-66.97	81.58
		85	0.22	3.16	-1.04	1.13	0.99	-2.10	86.18	-19.17	57.88	9.13	-46.70
		40	0.91	-1.38	-11.05	-10.98	-1.45	-0.84	-168.51	-503.82	-482.22	-190.11	-82.31
		92	1.05	-0.98	-14.28	-11.45	-3.81	5.44	-87.32	-529.87	-474.13	-143.06	
146.84													
28	79	93	1.10	1.86	-3.71	-1.56	-0.29	-2.71	231.00	-500.69	-499.20	229.51	33.01
		85	1.07	-1.08	-2.87	-1.94	-2.00	0.89	239.59	-480.78	-478.07	236.88	44.10
		40	1.54	19.46	2.28	19.45	2.29	-0.43	348.39	-524.85	-500.26	323.79	
144.46													
		92	1.41	22.82	3.03	20.13	5.73	-6.79	146.17	-562.90	-538.85	122.12	
128.36													
28	80	93	0.52	0.83	-2.13	-0.75	-0.55	-1.48	99.17	-246.25	-246.04	98.96	8.50
		85	0.49	-0.89	-1.49	-0.97	-1.42	0.20	-66.18	-311.28	-267.31	-110.15	94.04
		40	0.24	11.20	0.99	11.19	1.00	-0.34	66.44	20.89	45.04	42.29	22.73
		92	0.62	12.74	1.82	11.58	2.98	-3.37	317.68	21.23	86.09	252.82	-
122.56													
28	81	93	0.47	0.32	-0.14	0.07	0.10	0.23	98.01	-219.93	-176.48	54.56	
109.21													
		85	0.79	1.76	-1.14	0.18	0.43	-1.45	365.80	-156.58	-138.42	347.64	-95.68
		40	1.83	0.08	-3.25	-2.98	-0.19	-0.91	81.57	-1027.72	-1026.25	80.10	40.41
		92	2.09	0.17	-4.51	-3.17	-1.17	2.11	-117.58	-1264.03	-1097.95	-283.66	
403.51													
28	82	93	0.37	1.92	-1.18	0.89	-0.15	1.46	114.36	-113.68	76.67	-75.99	84.70
		85	0.23	3.23	-1.06	1.16	1.01	-2.14	94.60	-21.64	72.34	0.61	-45.74
		40	0.90	-1.41	-11.30	-11.23	-1.48	-0.83	-179.46	-502.90	-480.96	-201.40	-81.32
		92	1.06	-1.05	-14.59	-11.72	-3.92	5.54	-91.88	-534.10	-473.01	-152.97	
152.59													
28	83	93	1.08	1.76	-3.57	-1.50	-0.31	-2.59	227.13	-493.96	-492.35	225.52	34.06
		85	1.06	-1.05	-2.73	-1.86	-1.92	0.84	239.22	-475.48	-472.72	236.47	44.28
		40	1.50	18.68	2.19	18.67	2.20	-0.40	339.05	-516.38	-492.81	315.48	
140.01													
		92	1.38	21.88	2.95	19.33	5.50	-6.47	149.96	-552.99	-530.31	127.28	
124.20													
28	84	93	0.57	0.76	-2.01	-0.72	-0.53	-1.38	113.04	-267.93	-267.90	113.01	3.31

		85	0.52	-0.85	-1.49	-0.94	-1.39	0.23	-57.07	-327.32	-290.88	-93.52	92.31
		40	0.23	10.94	0.96	10.93	0.97	-0.34	69.89	36.62	49.95	56.56	16.30
		92	0.67	12.43	1.87	11.33	2.98	-3.23	351.51	18.68	92.40	277.79	-
138.21													
28	85	93	0.45	0.20	-0.06	0.05	0.09	0.13	93.30	-207.42	-154.62	40.51	
114.41													
		85	0.74	1.77	-1.21	0.16	0.40	-1.48	349.99	-133.84	-114.85	331.01	-93.95
		40	1.82	0.13	-3.01	-2.72	-0.16	-0.91	67.83	-1033.16	-1031.16	65.83	46.84
		92	2.11	0.12	-4.21	-2.92	-1.17	1.98	-128.57	-1284.33	-1104.26	-308.64	
419.16													
28	86	93	0.36	1.77	-1.08	0.82	-0.13	1.34	108.58	-110.76	69.82	-72.01	83.66
		85	0.23	3.09	-1.08	1.08	0.93	-2.09	90.55	-22.53	67.00	1.02	-45.92
		40	0.90	-1.31	-10.54	-10.46	-1.39	-0.85	-174.28	-507.21	-488.40	-193.09	-76.87
		92	1.06	-0.96	-13.65	-10.92	-3.69	5.22	-94.63	-545.05	-481.55	-158.13	
156.75													
28	87	93	1.11	1.77	-3.58	-1.52	-0.29	-2.61	235.83	-507.99	-506.70	234.54	30.94
		85	1.09	-1.04	-2.80	-1.89	-1.95	0.88	247.54	-489.74	-487.18	244.99	43.32
		40	1.52	18.94	2.22	18.93	2.23	-0.41	349.68	-516.98	-494.08	326.77	
139.02													
		92	1.39	22.20	3.02	19.60	5.61	-6.56	157.56	-551.79	-531.42	137.19	
118.46													
28	88	93	0.54	0.75	-2.00	-0.70	-0.55	-1.37	104.11	-253.66	-253.55	103.99	6.42
		85	0.50	-0.85	-1.43	-0.91	-1.36	0.18	-61.55	-316.90	-276.42	-102.04	93.27
		40	0.24	10.69	0.93	10.68	0.94	-0.33	65.79	30.70	51.21	45.27	17.29
		92	0.64	12.12	1.80	11.06	2.87	-3.14	339.28	22.12	93.52	267.89	-
132.46													
28	89	93	0.46	0.20	-0.06	0.03	0.11	0.12	96.23	-215.68	-168.97	49.53	
111.29													
		85	0.77	1.70	-1.19	0.13	0.38	-1.44	358.01	-147.79	-129.31	339.53	-94.91
		40	1.83	0.19	-2.79	-2.47	-0.13	-0.92	79.01	-1034.32	-1032.43	77.12	45.85
		92	2.10	0.19	-3.90	-2.65	-1.06	1.89	-124.49	-1279.62	-1105.38	-298.73	
413.41													
28	90	93	0.38	1.79	-1.09	0.85	-0.15	1.35	121.38	-118.23	84.18	-81.03	86.78
		85	0.24	3.17	-1.10	1.11	0.96	-2.13	100.22	-26.27	81.46	-7.50	-44.96
		40	0.90	-1.35	-10.80	-10.72	-1.42	-0.84	-185.30	-506.21	-487.14	-204.38	-75.88
		92	1.07	-1.03	-13.97	-11.19	-3.81	5.31	-98.84	-549.63	-480.44	-168.04	
162.49													
28	91	93	1.41	2.34	-4.13	-1.87	0.08	-3.08	300.94	-644.16	-633.75	290.52	98.68
		85	1.76	-1.22	-2.76	-2.24	-1.75	0.73	655.06	-559.84	-556.88	652.10	-59.89
		40	3.13	20.40	2.79	20.37	2.82	-0.66	563.43	-1350.46	-1316.31	529.28	
253.36													
		92	3.13	24.06	3.12	21.04	6.14	-7.35	-7.22	-1658.09	-1459.91	-205.40	
536.56													
28	92	93	0.31	1.20	-1.13	0.71	-0.64	0.95	114.48	-84.59	114.41	-84.52	-3.82
		85	0.85	1.76	-0.92	0.82	0.03	-1.28	68.69	-467.27	49.26	-447.84	
100.19													
		40	1.34	-1.22	-5.48	-5.43	-1.26	-0.45	522.42	-363.31	492.90	-333.78	-
159.00													
		92	1.45	-0.13	-7.77	-5.64	-2.27	3.43	830.02	82.05	615.78	296.29	-
338.15													
28	93	93	1.21	1.75	-2.93	-1.38	0.20	-2.20	256.65	-555.54	-536.93	238.04	
121.54													
		85	1.69	-1.01	-1.60	-1.60	-1.02	0.03	694.35	-464.01	-454.99	685.33	-
101.83													
		40	3.18	13.70	2.02	13.64	2.07	-0.81	481.41	-1499.35	-1474.11	456.17	
222.14													
		92	3.31	15.90	2.22	14.05	4.07	-4.68	-79.55	-1875.23	-1627.64	-327.14	
619.10													
28	94	93	0.54	2.36	-1.68	1.20	-0.52	1.83	212.26	-138.04	211.22	-137.00	19.04
		85	0.87	3.12	-0.91	1.45	0.76	-1.98	157.09	-420.55	151.16	-414.61	58.25
		40	1.33	-1.97	-12.20	-12.16	-2.01	-0.59	381.02	-452.81	335.10	-406.89	-
190.22													
		92	1.24	-1.11	-15.86	-12.63	-4.34	6.10	601.19	21.41	448.05	174.56	-
255.61													
28	95	93	1.41	2.31	-4.09	-1.86	0.08	-3.05	302.28	-646.24	-636.00	292.03	98.06
		85	1.77	-1.21	-2.74	-2.22	-1.73	0.73	657.51	-562.59	-559.62	654.54	-60.13
		40	3.12	20.24	2.78	20.22	2.80	-0.66	563.91	-1348.19	-1314.46	530.18	
251.73													
		92	3.12	23.87	3.12	20.88	6.11	-7.28	-4.90	-1653.66	-1457.68	-200.88	
533.59													
28	96	93	0.30	1.23	-1.15	0.72	-0.64	0.98	112.26	-83.11	112.16	-83.01	-4.44
		85	0.84	1.78	-0.90	0.83	0.04	-1.28	66.06	-464.94	46.53	-445.41	99.95

		40	1.35	-1.24	-5.63	-5.59	-1.28	-0.44	524.83	-362.97	494.75	-332.89	-
160.63													
		92	1.46	-0.14	-7.96	-5.80	-2.30	3.50	835.60	83.22	618.01	300.81	-
341.12													
28	97	93	1.20	1.77	-2.97	-1.39	0.20	-2.23	255.41	-553.57	-534.68	236.53	
122.16													
		85	1.68	-1.03	-1.61	-1.61	-1.03	0.03	691.92	-461.28	-452.26	682.90	-
101.59													
		40	3.19	13.85	2.04	13.80	2.09	-0.81	480.87	-1501.56	-1475.97	455.28	
223.77													
		92	3.32	16.09	2.22	14.20	4.11	-4.75	-81.70	-1879.83	-1629.87	-331.66	
622.07													
28	98	93	0.55	2.32	-1.66	1.18	-0.52	1.80	214.57	-139.61	213.47	-138.51	19.66
		85	0.88	3.10	-0.92	1.44	0.74	-1.98	159.82	-422.98	153.89	-417.05	58.48
		40	1.32	-1.96	-12.04	-12.01	-1.99	-0.60	378.48	-453.02	333.25	-407.78	-
188.59													
		92	1.23	-1.10	-15.67	-12.47	-4.30	6.03	595.75	20.11	445.82	170.03	-
252.64													
28	99	93	1.52	2.39	-4.19	-1.95	0.15	-3.12	328.31	-689.31	-681.59	320.59	88.28
		85	1.87	-1.16	-3.01	-2.34	-1.83	0.89	683.60	-608.18	-605.09	680.51	-63.10
		40	3.19	21.25	2.90	21.22	2.93	-0.70	599.48	-1353.10	-1320.53	566.92	
250.06													
		92	3.14	25.10	3.36	21.94	6.52	-7.67	9.36	-1645.38	-1463.63	-172.38	
517.41													
28	100	93	0.43	1.27	-1.20	0.78	-0.71	0.99	162.41	-114.74	162.25	-114.59	6.58
		85	0.94	2.01	-0.98	0.92	0.11	-1.44	115.53	-494.31	97.46	-476.25	
103.39													
		40	1.41	-1.34	-6.32	-6.29	-1.38	-0.41	524.18	-398.49	497.11	-371.42	-
155.71													
		92	1.43	-0.37	-8.81	-6.54	-2.64	3.74	806.74	76.03	619.50	263.27	-
319.00													
28	101	93	1.31	1.80	-2.99	-1.45	0.27	-2.24	282.35	-599.02	-584.78	268.10	
111.14													
		85	1.80	-1.04	-1.75	-1.70	-1.10	0.19	722.73	-512.19	-503.19	713.74	-
105.03													
		40	3.24	14.55	2.13	14.50	2.19	-0.84	517.80	-1502.32	-1478.33	493.81	
218.85													
		92	3.31	16.95	2.45	14.95	4.45	-5.00	-64.41	-1861.07	-1631.36	-294.12	
599.95													
28	102	93	0.66	2.43	-1.74	1.27	-0.59	1.87	261.09	-169.10	259.07	-167.07	29.44
		85	0.97	3.37	-0.97	1.56	0.84	-2.14	205.19	-448.84	199.36	-443.02	61.45
		40	1.39	-2.09	-13.04	-13.01	-2.12	-0.56	381.61	-486.82	339.31	-444.52	-
186.93													
		92	1.23	-1.34	-16.91	-13.53	-4.71	6.41	579.45	13.86	451.77	141.54	-
236.46													
28	103	93	1.52	2.37	-4.15	-1.93	0.15	-3.09	329.68	-691.42	-683.84	322.10	87.66
		85	1.88	-1.15	-2.99	-2.32	-1.81	0.88	686.04	-610.92	-607.82	682.94	-63.33
		40	3.18	21.10	2.89	21.07	2.91	-0.69	599.98	-1350.84	-1318.67	567.81	
248.43													
		92	3.13	24.92	3.35	21.78	6.48	-7.60	11.78	-1641.04	-1461.40	-167.86	
514.43													
28	104	93	0.42	1.31	-1.22	0.80	-0.71	1.02	160.13	-113.21	160.00	-113.08	5.95
		85	0.94	2.03	-0.97	0.94	0.13	-1.44	112.87	-491.95	94.73	-473.81	
103.15													
		40	1.41	-1.36	-6.47	-6.44	-1.39	-0.41	526.56	-398.12	498.96	-370.52	-
157.34													
		92	1.44	-0.38	-9.00	-6.70	-2.68	3.81	812.16	77.36	621.73	267.79	-
321.97													
28	105	93	1.31	1.83	-3.03	-1.47	0.27	-2.27	281.06	-596.99	-582.52	266.60	
111.76													
		85	1.79	-1.06	-1.77	-1.72	-1.11	0.19	720.30	-509.46	-500.46	711.30	-
104.80													
		40	3.25	14.71	2.15	14.65	2.20	-0.84	517.25	-1504.52	-1480.18	492.91	
220.48													
		92	3.32	17.14	2.46	15.11	4.48	-5.06	-66.65	-1865.58	-1633.59	-298.64	
602.92													
28	106	93	0.67	2.39	-1.72	1.26	-0.59	1.84	263.41	-170.68	261.32	-168.58	30.06
		85	0.98	3.35	-0.98	1.54	0.82	-2.14	207.92	-451.27	202.09	-445.45	61.69
		40	1.39	-2.07	-12.89	-12.86	-2.10	-0.56	379.10	-487.06	337.46	-445.42	-
185.29													
		92	1.21	-1.33	-16.72	-13.37	-4.68	6.35	574.23	12.33	449.54	137.01	-
233.48													

30	1	94	0.09	0.18	0.03	0.14	0.07	-0.07	9.47	-46.33	-6.27	-30.59	-25.11
		102	0.05	0.19	0.05	0.15	0.10	-0.07	20.42	-9.83	2.33	8.26	-14.83
		101	0.04	0.13	-2.79e-03	0.05	0.08	-0.07	26.89	15.64	26.79	15.74	1.06
		47	0.07	0.11	-0.02	0.04	0.05	-0.07	21.26	-25.53	19.69	-23.96	-8.42
30	2	94	0.46	1.34	0.43	1.01	0.76	-0.44	179.76	-127.24	-13.27	65.79	-148.33
		102	0.41	1.50	0.62	1.05	1.07	-0.44	184.25	-81.16	-2.95	106.04	-121.00
		101	0.36	1.19	0.14	0.38	0.96	-0.44	200.23	-14.90	63.37	121.96	-103.50
		47	0.41	0.93	-9.52e-03	0.29	0.63	-0.44	200.57	-61.55	57.59	81.43	-130.52
30	3	94	0.06	0.12	0.01	0.09	0.04	-0.04	4.87	-34.91	-4.69	-25.35	-16.99
		102	0.03	0.13	0.03	0.10	0.06	-0.04	12.69	-6.29	1.89	4.51	-9.40
		101	0.03	0.08	-5.49e-03	0.03	0.05	-0.04	20.65	9.37	19.92	10.10	2.79
		47	0.05	0.07	-0.02	0.02	0.02	-0.04	14.93	-20.92	14.43	-20.42	-4.18
30	4	94	0.44	1.28	0.42	0.96	0.73	-0.42	175.85	-116.51	-11.69	71.03	-140.21
		102	0.39	1.43	0.60	1.00	1.03	-0.42	176.53	-77.63	-3.38	102.28	-115.57
		101	0.36	1.14	0.14	0.36	0.92	-0.42	192.48	-19.66	56.50	116.32	-101.77
		47	0.40	0.89	-4.72e-03	0.28	0.61	-0.42	195.97	-58.67	52.33	84.97	-126.27
30	5	94	0.07	0.13	0.02	0.10	0.05	-0.05	6.21	-35.30	-4.76	-24.32	-18.31
		102	0.03	0.14	0.04	0.11	0.07	-0.05	14.39	-7.00	1.84	5.55	-10.54
		101	0.03	0.09	-3.57e-03	0.03	0.06	-0.05	20.61	10.94	20.31	11.24	1.67
		47	0.05	0.08	-0.02	0.03	0.03	-0.05	15.70	-20.16	14.84	-19.30	-5.48
30	6	94	0.31	0.90	0.29	0.68	0.51	-0.30	118.69	-88.19	-9.43	39.93	-100.45
		102	0.27	1.01	0.42	0.71	0.72	-0.30	123.54	-54.49	-1.68	70.74	-81.32
		101	0.24	0.80	0.09	0.26	0.64	-0.30	133.92	-7.18	44.69	82.05	-68.03
		47	0.27	0.62	-8.70e-03	0.20	0.42	-0.30	132.58	-41.51	40.10	50.97	-86.87
30	7	94	0.07	0.13	0.02	0.10	0.05	-0.05	6.21	-35.30	-4.76	-24.32	-18.31
		102	0.03	0.14	0.04	0.11	0.07	-0.05	14.39	-7.00	1.84	5.55	-10.54
		101	0.03	0.09	-3.57e-03	0.03	0.06	-0.05	20.61	10.94	20.31	11.24	1.67
		47	0.05	0.08	-0.02	0.03	0.03	-0.05	15.70	-20.16	14.84	-19.30	-5.48
30	8	94	0.23	0.67	0.21	0.51	0.37	-0.22	83.46	-70.84	-8.03	20.65	-75.81
		102	0.20	0.75	0.30	0.53	0.52	-0.22	90.70	-40.15	-0.63	51.18	-60.08
		101	0.17	0.59	0.07	0.19	0.46	-0.22	97.65	0.54	37.38	60.81	-47.12
		47	0.19	0.46	-0.01	0.14	0.30	-0.22	93.67	-31.26	32.52	29.89	-62.45
30	9	94	0.07	0.13	0.02	0.10	0.05	-0.05	6.21	-35.30	-4.76	-24.32	-18.31
		102	0.03	0.14	0.04	0.11	0.07	-0.05	14.39	-7.00	1.84	5.55	-10.54
		101	0.03	0.09	-3.57e-03	0.03	0.06	-0.05	20.61	10.94	20.31	11.24	1.67
		47	0.05	0.08	-0.02	0.03	0.03	-0.05	15.70	-20.16	14.84	-19.30	-5.48
30	10	94	0.20	0.59	0.18	0.45	0.32	-0.20	71.80	-65.13	-7.56	14.23	-67.59
		102	0.18	0.66	0.27	0.47	0.46	-0.20	79.76	-35.38	-0.27	44.66	-53.00
		101	0.15	0.52	0.06	0.17	0.41	-0.20	85.57	3.10	34.94	53.73	-40.15
		47	0.17	0.40	-0.01	0.13	0.26	-0.20	80.86	-28.00	30.00	22.86	-54.32
30	11	94	0.49	2.46	0.73	2.19	1.01	-0.63	327.43	96.68	103.87	320.24	40.10
		102	0.22	3.33	0.67	2.23	1.77	-1.31	121.38	-10.40	-2.39	113.37	31.50
		101	0.28	2.16	-0.30	0.41	1.45	-1.12	139.24	-14.03	27.95	97.27	-68.35
		47	0.46	0.89	-0.02	0.28	0.59	-0.43	306.16	113.17	131.72	287.60	-56.89
30	12	94	0.62	1.05	0.60	0.88	0.76	-0.22	57.24	-338.51	28.58	-309.84	-102.57
		102	0.34	1.21	0.47	0.99	0.69	-0.34	41.53	-172.99	-2.52	-128.95	86.65
		101	0.47	0.83	-0.39	-0.05	0.49	-0.55	91.26	-212.86	0.79	-122.39	-139.03
		47	0.77	0.85	-3.12e-03	0.04	0.81	-0.19	90.09	-402.01	22.58	-334.50	-169.31
30	13	94	0.92	0.14	-0.24	0.02	-0.12	-0.17	452.27	-157.68	-43.71	338.30	-237.76
		102	0.67	0.23	-0.07	-0.06	0.22	-0.06	331.06	-110.82	1.97	218.27	-192.66
		101	0.72	0.51	0.19	0.38	0.32	0.16	383.06	-84.13	69.09	229.84	-219.33
		47	1.01	0.29	-0.35	0.21	-0.28	-0.20	535.36	-117.72	37.41	380.22	-277.94
30	14	94	0.66	-0.30	-1.35	-1.29	-0.36	0.24	-9.98	-400.81	-119.00	-291.79	-175.28
		102	0.43	-0.13	-2.01	-1.30	-0.85	0.91	127.00	-149.21	1.84	-24.05	-137.50

		101	0.08	0.42	-1.13	-0.08	-0.63	0.73	45.92	6.19	41.93	10.19-11.95
		47	0.39	-3.32e-03	-0.08	-0.02	-0.07	0.03	-57.23	-256.38	-71.73	-241.88-51.74
30	15	94	0.53	2.49	0.72	2.20	1.00	-0.65	349.82	96.45	105.10	341.17 46.00
		102	0.24	3.36	0.67	2.25	1.78	-1.32	127.89	-14.66	-4.30	117.54 36.99
		101	0.29	2.18	-0.32	0.41	1.45	-1.13	141.59	-15.76	25.79	100.05-69.36
		47	0.49	0.90	-0.02	0.27	0.60	-0.43	325.46	115.50	133.07	307.89-58.14
30	16	94	0.65	1.03	0.61	0.87	0.77	-0.20	51.78	-355.20	27.35	-330.77 96.67
		102	0.33	1.18	0.47	0.97	0.68	-0.32	37.91	-171.63	-0.60	-133.12 81.16
		101	0.47	0.82	-0.38	-0.04	0.49	-0.53	92.89	-215.11	2.95	-125.17
140.05												
		47	0.80	0.84	2.82e-03	0.05	0.80	-0.19	87.07	-420.62	21.23	-354.79
170.56												
30	17	94	0.93	0.16	-0.25	0.03	-0.12	-0.19	465.13	-148.38	-42.48	359.23 -
231.85												
		102	0.66	0.26	-0.06	-0.04	0.24	-0.07	328.95	-106.46	0.05	222.44 -
187.16												
		101	0.73	0.50	0.21	0.38	0.33	0.14	385.18	-85.63	66.93	232.62 -
220.35												
		47	1.03	0.29	-0.35	0.21	-0.27	-0.21	552.29	-113.02	38.76	400.51 -
279.19												
30	18	94	0.70	-0.29	-1.37	-1.30	-0.36	0.25	-11.31	-421.64	-120.23	-312.72 -
181.19												
		102	0.44	-0.13	-2.05	-1.31	-0.87	0.93	131.66	-156.12	3.76	-28.22 -
143.00												
		101	0.08	0.43	-1.15	-0.08	-0.64	0.74	47.10	4.39	44.09	7.40-10.94
		47	0.42	2.15e-03	-0.09	-0.02	-0.07	0.04	-60.44	-274.81	-73.08	-262.17-50.49
30	19	94	0.51	2.37	0.76	2.12	1.01	-0.58	339.05	91.73	99.46	331.32 43.05
		102	0.24	3.19	0.65	2.15	1.68	-1.25	123.55	-18.03	-6.71	112.24 38.40
		101	0.28	2.07	-0.33	0.37	1.37	-1.09	135.23	-16.55	22.30	96.38-66.24
		47	0.48	0.87	-0.05	0.24	0.58	-0.42	320.28	113.48	133.10	300.67-60.59
30	20	94	0.61	0.97	0.62	0.82	0.77	-0.17	55.59	-330.19	24.17	-298.77
105.53												
		102	0.35	1.08	0.44	0.91	0.61	-0.28	43.56	-180.48	-6.85	-130.08 93.55
		101	0.47	0.74	-0.42	-0.09	0.41	-0.52	88.99	-217.13	-4.87	-123.27
141.15												
		47	0.75	0.84	-0.04	4.37e-03	0.80	-0.19	90.52	-388.01	23.95	-321.43
165.61												
30	21	94	0.91	0.22	-0.26	0.08	-0.12	-0.22	446.49	-158.57	-39.30	327.22 -
240.71												
		102	0.68	0.34	-0.02	0.02	0.30	-0.11	339.07	-113.37	6.30	219.40 -
199.56												
		101	0.73	0.54	0.28	0.43	0.40	0.13	387.51	-82.05	74.74	230.72 -
221.45												
		47	0.99	0.32	-0.34	0.25	-0.27	-0.21	521.94	-118.74	36.04	367.16 -
274.24												
30	22	94	0.68	-0.32	-1.26	-1.22	-0.36	0.19	-7.16	-410.30	-114.59	-302.86 -
178.24												
		102	0.44	-0.11	-1.88	-1.22	-0.77	0.86	136.76	-153.51	6.16	-22.91 -
144.40												
		101	0.09	0.45	-1.04	-0.04	-0.55	0.70	52.37	6.28	47.58	11.07-14.07
		47	0.40	0.03	-0.07	0.02	-0.06	0.03	-61.19	-266.86	-73.10	-254.95-48.04
30	23	94	0.55	2.40	0.75	2.14	1.01	-0.60	361.44	91.50	100.69	352.25 48.96
		102	0.25	3.22	0.65	2.17	1.70	-1.27	130.28	-22.50	-8.63	116.41 43.89
		101	0.28	2.09	-0.35	0.37	1.37	-1.11	137.65	-18.35	20.13	99.17-67.25
		47	0.51	0.88	-0.05	0.23	0.59	-0.43	339.60	115.80	134.44	320.96-61.84
30	24	94	0.63	0.94	0.63	0.80	0.77	-0.16	49.80	-346.56	22.94	-319.70 99.62
		102	0.34	1.05	0.44	0.89	0.59	-0.26	39.66	-178.84	-4.93	-134.25 88.06
		101	0.48	0.72	-0.41	-0.09	0.41	-0.51	90.58	-219.34	-2.70	-126.05
142.16												
		47	0.77	0.83	-0.03	9.31e-03	0.79	-0.18	87.47	-406.59	22.60	-341.73
166.86												
30	25	94	0.92	0.25	-0.27	0.10	-0.12	-0.24	459.06	-148.97	-38.07	348.15 -
234.81												
		102	0.68	0.37	-0.01	0.04	0.32	-0.13	336.85	-108.90	4.38	223.58 -
194.06												
		101	0.73	0.53	0.30	0.42	0.41	0.11	389.61	-83.52	72.58	233.50 -
222.46												
		47	1.01	0.32	-0.34	0.25	-0.26	-0.21	538.80	-113.97	37.39	387.45 -
275.49												
30	26	94	0.72	-0.32	-1.28	-1.24	-0.36	0.20	-8.33	-431.28	-115.82	-323.79 -
184.14												
		102	0.46	-0.11	-1.91	-1.23	-0.79	0.87	141.43	-160.43	8.08	-27.08 -

149.90													
		101	0.09	0.47	-1.06	-0.03	-0.56	0.71	53.51	4.52	49.75	8.28	-13.05
		47	0.43	0.03	-0.07	0.02	-0.06	0.03	-64.08	-285.61	-74.45	-275.24	-46.79
30	27	94	1.71	3.32	0.53	2.95	0.90	-0.95	1079.65	122.07	140.07	1061.66	-
130.04													
		102	0.83	4.69	0.66	2.87	2.48	-2.00	459.70	-27.62	-0.71	432.79	-
111.31													
		101	1.26	3.02	0.08	0.94	2.17	-1.34	635.00	-161.04	74.04	399.93	-
363.14													
		47	1.97	0.96	-0.39	0.53	0.04	-0.63	1207.35	64.51	226.05	1045.80	-
398.15													
30	28	94	1.67	0.20	-1.51	-1.40	0.09	0.42	-104.37	-1045.17	-110.92	-1038.62	78.21
		102	0.68	0.06	-2.41	-1.25	-1.10	1.23	12.44	-388.52	-1.15	-374.93	72.55
		101	1.11	-0.21	-1.41	-0.60	-1.01	0.56	189.76	-538.51	-16.50	-332.25	
328.13													
		47	1.92	0.78	-0.28	-0.26	0.75	0.17	-13.01	-1152.63	-137.77	-1027.87	
355.84													
30	29	94	1.81	2.62	0.24	2.30	0.56	-0.81	1111.89	50.98	95.79	1067.08	-
213.39													
		102	0.97	3.73	0.47	2.19	2.01	-1.63	525.05	-60.19	0.60	464.26	-
178.55													
		101	1.39	2.43	0.33	0.93	1.83	-0.95	708.04	-181.96	86.38	439.70	-
408.43													
		47	2.13	0.81	-0.52	0.51	-0.22	-0.56	1274.03	-2.68	197.76	1073.59	-
464.47													
30	30	94	1.62	-0.09	-2.21	-2.05	-0.25	0.55	-155.16	-1033.23	-155.19	-1033.20	-5.15
		102	0.59	-0.13	-3.37	-1.94	-1.56	1.61	0.24	-343.55	0.16	-343.46	5.30
		101	0.98	0.03	-1.99	-0.61	-1.35	0.94	169.14	-465.77	-4.16	-292.48	
282.84													
		47	1.76	0.55	-0.34	-0.27	0.49	0.23	-75.41	-1090.73	-166.06	-1000.08	
289.52													
30	31	94	1.71	3.29	0.53	2.93	0.90	-0.93	1082.65	121.07	138.74	1064.98	-
129.15													
		102	0.83	4.64	0.65	2.85	2.45	-1.98	458.37	-27.93	-2.01	432.45	-
109.24													
		101	1.26	3.00	0.07	0.93	2.14	-1.33	633.74	-161.73	72.34	399.66	-
362.50													
		47	1.98	0.95	-0.39	0.52	0.04	-0.62	1211.54	64.64	226.47	1049.72	-
399.26													
30	32	94	1.67	0.21	-1.53	-1.42	0.09	0.43	-105.51	-1042.03	-112.24	-1035.30	79.10
		102	0.68	0.05	-2.45	-1.28	-1.12	1.25	11.93	-389.65	-2.45	-375.27	74.62
		101	1.11	-0.22	-1.43	-0.61	-1.04	0.57	189.04	-539.75	-18.20	-332.51	
328.77													
		47	1.91	0.77	-0.29	-0.27	0.75	0.17	-12.90	-1148.40	-137.36	-1023.95	
354.73													
30	33	94	1.81	2.64	0.23	2.32	0.56	-0.82	1109.12	51.74	97.12	1063.75	-
214.28													
		102	0.97	3.77	0.48	2.21	2.04	-1.64	526.76	-60.26	1.90	464.60	-
180.62													
		101	1.40	2.46	0.33	0.95	1.85	-0.96	709.32	-181.28	88.08	439.96	-
409.07													
		47	2.12	0.82	-0.52	0.52	-0.22	-0.56	1269.85	-2.84	197.35	1069.67	-
463.36													
30	34	94	1.62	-0.10	-2.18	-2.03	-0.25	0.54	-153.83	-1036.57	-153.87	-1036.53	-6.03
		102	0.59	-0.12	-3.33	-1.91	-1.54	1.59	1.49	-343.15	1.46	-343.12	3.23
		101	0.98	0.04	-1.97	-0.60	-1.33	0.94	169.88	-464.56	-2.46	-292.21	
282.20													
		47	1.77	0.56	-0.33	-0.26	0.49	0.23	-75.50	-1094.97	-166.47	-1004.00	
290.63													
30	35	94	1.81	3.40	0.49	3.00	0.89	-1.00	1143.61	131.98	144.16	1131.43	-
110.36													
		102	0.84	4.80	0.67	2.93	2.54	-2.06	465.01	-25.42	-7.10	446.69	-92.99
		101	1.28	3.08	0.03	0.93	2.19	-1.39	642.54	-166.51	66.83	409.20	-
366.52													
		47	2.07	0.96	-0.39	0.51	0.06	-0.64	1269.26	74.71	230.53	1113.44	-
402.31													
30	36	94	1.78	0.23	-1.58	-1.45	0.09	0.47	-111.58	-1111.82	-115.02	-1108.39	58.53
		102	0.69	0.06	-2.52	-1.31	-1.16	1.29	12.57	-396.16	5.25	-388.84	54.23
		101	1.13	-0.16	-1.46	-0.59	-1.03	0.61	195.40	-546.21	-9.29	-341.52	
331.51													
		47	2.02	0.76	-0.27	-0.24	0.73	0.18	-21.57	-1216.18	-142.25	-1095.51	
360.00													

30	37	94	1.90	2.70	0.21	2.35	0.55	-0.86	1171.85	64.88	99.89	1136.84	-193.71
		102	0.96	3.84	0.48	2.24	2.07	-1.68	526.40	-54.04	-5.80	478.16	-160.23
		101	1.41	2.49	0.28	0.92	1.85	-1.01	715.49	-187.35	79.17	448.97	-411.81
		47	2.22	0.81	-0.52	0.49	-0.20	-0.57	1335.09	8.38	202.24	1141.23	-468.63
30	38	94	1.73	-0.06	-2.28	-2.10	-0.24	0.61	-158.64	-1103.62	-159.29	-1102.97	-24.83
		102	0.61	-0.13	-3.48	-2.00	-1.62	1.66	7.02	-357.83	6.55	-357.37	-13.02
		101	1.00	0.08	-2.05	-0.59	-1.37	0.99	174.91	-473.61	3.05	-301.75	-286.22
		47	1.87	0.54	-0.33	-0.26	0.47	0.24	-82.96	-1155.31	-170.54	-1067.72	-293.68
30	39	94	1.81	3.38	0.50	2.98	0.89	-0.99	1146.69	130.90	142.84	1134.75	-109.47
		102	0.83	4.76	0.66	2.91	2.51	-2.04	463.85	-25.91	-8.40	446.35	-90.92
		101	1.28	3.05	0.02	0.92	2.16	-1.38	641.29	-167.22	65.13	408.93	-365.88
		47	2.07	0.95	-0.39	0.50	0.06	-0.64	1273.47	74.83	230.95	1117.36	-403.42
30	40	94	1.77	0.23	-1.61	-1.47	0.10	0.49	-112.78	-1108.62	-116.34	-1105.06	59.42
		102	0.69	0.05	-2.56	-1.33	-1.18	1.30	11.85	-397.08	3.95	-389.18	56.30
		101	1.13	-0.17	-1.49	-0.60	-1.06	0.62	194.66	-547.44	-10.99	-341.78	-332.15
		47	2.01	0.76	-0.28	-0.25	0.73	0.18	-21.48	-1211.95	-141.84	-1091.59	-358.89
30	41	94	1.90	2.73	0.20	2.37	0.55	-0.88	1168.98	65.75	101.21	1133.52	-194.60
		102	0.97	3.88	0.48	2.27	2.10	-1.70	527.97	-53.97	-4.50	478.50	-162.30
		101	1.41	2.52	0.28	0.93	1.87	-1.01	716.76	-186.65	80.87	449.23	-412.45
		47	2.22	0.82	-0.52	0.51	-0.20	-0.57	1330.90	8.24	201.83	1137.31	-467.52
30	42	94	1.74	-0.07	-2.26	-2.08	-0.25	0.59	-157.27	-1106.99	-157.97	-1106.29	-25.71
		102	0.61	-0.13	-3.44	-1.97	-1.60	1.65	8.48	-357.65	7.85	-357.03	-15.09
		101	1.00	0.09	-2.02	-0.58	-1.35	0.99	175.67	-472.41	4.74	-301.48	-285.58
		47	1.87	0.54	-0.32	-0.25	0.47	0.24	-83.05	-1159.55	-170.95	-1071.64	-294.79
30	43	94	0.39	2.06	0.62	1.82	0.86	-0.54	258.98	78.69	80.42	257.26	17.54
		102	0.18	2.76	0.58	1.86	1.49	-1.08	101.18	-4.03	-2.15	99.30	13.94
		101	0.26	1.81	-0.23	0.36	1.23	-0.92	128.14	-10.40	29.31	88.43	-62.65
		47	0.39	0.79	-0.02	0.24	0.52	-0.38	255.57	88.40	110.64	233.33	-56.78
30	44	94	0.47	0.95	0.51	0.79	0.67	-0.21	36.86	-258.27	20.74	-242.15	67.06
		102	0.24	1.08	0.43	0.88	0.64	-0.30	25.80	-120.77	-2.23	-92.74	57.65
		101	0.35	0.76	-0.30	-5.55e-03	0.47	-0.47	72.97	-150.88	7.76	-85.67	-101.71
		47	0.59	0.74	5.75e-03	0.06	0.69	-0.19	69.68	-305.32	24.12	-259.76	-122.52
30	45	94	0.76	0.24	-0.15	0.11	-0.02	-0.18	371.11	-136.37	-35.87	270.61	-202.24
		102	0.57	0.31	0.03	0.06	0.28	-0.09	278.73	-94.99	1.68	182.06	-163.65
		101	0.60	0.42	0.26	0.34	0.34	0.08	321.06	-65.82	62.12	193.12	-182.01
		47	0.83	0.29	-0.25	0.20	-0.16	-0.20	438.26	-96.91	35.87	305.48	-231.15
30	46	94	0.55	-0.18	-0.95	-0.92	-0.21	0.15	4.45	-328.80	-95.54	-228.81	-152.72
		102	0.37	-0.04	-1.45	-0.92	-0.57	0.68	115.90	-124.28	1.60	-9.98	-119.95
		101	0.09	0.34	-0.78	-0.03	-0.41	0.53	50.48	9.11	40.57	19.02	-17.65
		47	0.32	0.03	-7.38e-03	0.01	5.84e-03	-0.02	-33.23	-205.03	-50.65	-187.61	-51.85
30	47	94	0.42	2.08	0.61	1.83	0.86	-0.55	276.38	78.86	81.39	273.85	22.22
		102	0.19	2.79	0.58	1.87	1.50	-1.09	105.67	-6.73	-3.67	102.61	18.30
		101	0.26	1.83	-0.24	0.36	1.23	-0.94	129.96	-11.73	27.60	90.64	-63.45
		47	0.41	0.79	-0.02	0.24	0.53	-0.38	270.44	90.68	111.71	249.41	-57.77
30	48	94	0.49	0.93	0.52	0.78	0.67	-0.20	33.10	-272.07	19.77	-258.74	62.38
		102	0.23	1.06	0.43	0.86	0.63	-0.29	23.12	-119.87	-0.71	-96.04	53.29
		101	0.35	0.75	-0.28	-2.22e-03	0.47	-0.46	74.28	-152.68	9.47	-87.88	

102.51													
		47	0.61	0.74	0.01	0.06	0.68	-0.19	67.48	-320.27	23.05	-275.84	
123.51													
30	49	94	0.77	0.26	-0.16	0.12	-0.02	-0.19	381.04	-128.73	-34.89	287.20	-
197.56													
		102	0.56	0.33	0.03	0.07	0.29	-0.10	277.02	-91.49	0.16	185.37	-
159.29													
		101	0.60	0.41	0.27	0.34	0.35	0.07	322.73	-66.99	60.41	195.33	-
182.81													
		47	0.84	0.29	-0.25	0.19	-0.15	-0.20	451.54	-93.04	36.94	321.56	-
232.14													
30	50	94	0.58	-0.17	-0.97	-0.93	-0.21	0.16	3.16	-345.07	-96.52	-245.40	-
157.40													
		102	0.38	-0.04	-1.48	-0.94	-0.59	0.69	119.49	-129.66	3.12	-13.28	-
124.31													
		101	0.09	0.36	-0.80	-0.02	-0.42	0.54	50.67	8.42	42.28	16.81	-16.85
		47	0.34	0.02	-6.95e-03	0.02	6.10e-04	-0.01	-36.26	-219.14	-51.71	-203.69	-50.86
30	51	94	0.41	1.99	0.64	1.77	0.86	-0.50	268.33	74.68	76.73	266.28	19.80
		102	0.18	2.65	0.56	1.79	1.42	-1.03	101.97	-9.14	-5.64	98.47	19.40
		101	0.25	1.74	-0.25	0.33	1.16	-0.90	124.95	-12.38	24.77	87.80	-61.01
		47	0.40	0.77	-0.04	0.21	0.51	-0.37	267.05	88.63	111.71	243.97	-59.88
30	52	94	0.46	0.88	0.53	0.74	0.67	-0.17	34.98	-251.06	17.05	-233.13	69.33
		102	0.25	0.98	0.41	0.81	0.57	-0.26	27.24	-126.53	-5.72	-93.57	63.10
		101	0.35	0.68	-0.32	-0.04	0.40	-0.45	71.08	-154.16	3.22	-86.30	
103.35													
		47	0.57	0.73	-0.02	0.03	0.68	-0.19	69.89	-293.82	25.19	-249.11	
119.42													
30	53	94	0.76	0.31	-0.17	0.16	-0.03	-0.22	366.50	-137.09	-32.18	261.59	-
204.51													
		102	0.58	0.41	0.06	0.12	0.34	-0.14	285.07	-97.00	5.17	182.89	-
169.11													
		101	0.60	0.45	0.33	0.37	0.41	0.06	324.54	-64.13	66.66	193.75	-
183.65													
		47	0.81	0.32	-0.24	0.23	-0.15	-0.20	427.33	-97.69	34.80	294.83	-
228.05													
30	54	94	0.57	-0.20	-0.88	-0.87	-0.21	0.11	6.47	-336.15	-91.86	-237.82	-
154.99													
		102	0.38	-0.02	-1.34	-0.86	-0.51	0.64	123.58	-127.64	5.09	-9.14	-
125.41													
		101	0.10	0.37	-0.71	6.46e-03	-0.35	0.51	55.50	9.26	45.11	19.65	-19.29
		47	0.33	0.05	6.16e-03	0.04	0.02	-0.02	-36.98	-212.99	-51.72	-198.25	-48.75
30	55	94	0.43	2.01	0.63	1.78	0.86	-0.51	285.75	74.82	77.70	282.87	24.48
		102	0.20	2.68	0.56	1.80	1.44	-1.04	106.73	-12.12	-7.16	101.77	23.76
		101	0.26	1.75	-0.26	0.32	1.16	-0.91	126.83	-13.76	23.06	90.01	-61.81
		47	0.43	0.77	-0.04	0.21	0.52	-0.38	281.95	90.88	112.77	260.06	-60.86
30	56	94	0.48	0.86	0.54	0.72	0.67	-0.16	30.97	-264.61	16.08	-249.72	64.65
		102	0.24	0.95	0.41	0.80	0.56	-0.25	24.28	-125.36	-4.20	-96.88	58.75
		101	0.35	0.67	-0.31	-0.04	0.40	-0.44	72.36	-155.93	4.92	-88.50	
104.15													
		47	0.59	0.72	-0.02	0.03	0.67	-0.19	67.68	-308.75	24.12	-265.20	
120.41													
30	57	94	0.76	0.33	-0.18	0.18	-0.03	-0.23	376.19	-129.22	-31.21	278.18	-
199.83													
		102	0.57	0.43	0.06	0.14	0.36	-0.15	283.27	-93.42	3.65	186.20	-
164.75													
		101	0.61	0.44	0.34	0.37	0.41	0.05	326.19	-65.28	64.95	195.95	-
184.45													
		47	0.83	0.32	-0.24	0.22	-0.14	-0.21	440.55	-93.76	35.87	310.92	-
229.04													
30	58	94	0.59	-0.19	-0.90	-0.88	-0.21	0.12	5.32	-352.57	-92.83	-254.41	-
159.67													
		102	0.39	-0.02	-1.37	-0.87	-0.52	0.65	127.20	-133.03	6.61	-12.45	-
129.76													
		101	0.10	0.38	-0.72	9.79e-03	-0.35	0.52	55.75	8.51	46.82	17.44	-18.49
		47	0.35	0.05	4.52e-03	0.05	0.01	-0.02	-39.72	-227.40	-52.78	-214.34	-47.77
30	59	94	1.37	2.75	0.45	2.42	0.77	-0.80	862.80	91.12	109.34	844.58	-
117.16													
		102	0.69	3.85	0.57	2.37	2.05	-1.63	378.28	-26.68	-0.71	352.31	-99.20
		101	1.03	2.50	0.08	0.78	1.80	-1.10	520.96	-126.84	65.94	328.19	-
296.17													
		47	1.59	0.83	-0.29	0.44	0.09	-0.53	970.10	49.16	185.41	833.85	-
326.98													

30	60	94	1.31	0.21	-1.08	-1.01	0.14	0.30	-86.45	-823.26	-89.58	-820.13	47.91
		102	0.51	0.11	-1.78	-0.90	-0.77	0.94	6.36	-295.16	-0.99	-287.82	46.48
		101	0.85	-0.15	-1.01	-0.44	-0.72	0.41	151.16	-409.21	-5.90	-252.14	
251.68													
		47	1.50	0.65	-0.18	-0.17	0.64	0.09	-11.25	-901.51	-102.99	-809.77	
270.66													
30	61	94	1.46	2.19	0.22	1.91	0.51	-0.69	889.70	33.33	74.45	848.58	-
183.09													
		102	0.80	3.09	0.42	1.83	1.69	-1.33	431.13	-53.55	0.44	377.14	-
152.48													
		101	1.13	2.04	0.27	0.77	1.53	-0.80	578.73	-143.36	75.78	359.59	-
331.98													
		47	1.71	0.71	-0.39	0.43	-0.11	-0.48	1022.81	-4.34	162.98	855.49	-
379.29													
30	62	94	1.28	-0.01	-1.63	-1.52	-0.12	0.40	-123.99	-816.59	-124.46	-816.12	-18.02
		102	0.45	-0.04	-2.53	-1.44	-1.14	1.24	0.34	-263.16	0.16	-262.99	-6.80
		101	0.75	0.04	-1.47	-0.45	-0.98	0.71	134.96	-351.75	3.94	-220.74	
215.87													
		47	1.38	0.47	-0.22	-0.19	0.44	0.14	-59.94	-853.60	-125.42	-788.13	
218.35													
30	63	94	1.38	2.72	0.45	2.41	0.77	-0.78	865.21	90.31	108.23	847.28	-
116.48													
		102	0.69	3.81	0.57	2.35	2.03	-1.61	377.18	-26.88	-1.76	352.06	-97.57
		101	1.03	2.48	0.07	0.77	1.78	-1.09	519.98	-127.41	64.57	328.00	-
295.68													
		47	1.59	0.82	-0.30	0.43	0.09	-0.53	973.53	49.24	185.73	837.04	-
327.91													
30	64	94	1.31	0.22	-1.10	-1.03	0.14	0.31	-87.45	-820.66	-90.68	-817.42	48.59
		102	0.51	0.10	-1.81	-0.92	-0.79	0.95	5.84	-295.94	-2.04	-288.07	48.11
		101	0.85	-0.16	-1.03	-0.45	-0.74	0.41	150.57	-410.17	-7.26	-252.33	
252.17													
		47	1.50	0.65	-0.19	-0.18	0.64	0.09	-11.19	-898.05	-102.67	-806.58	
269.74													
30	65	94	1.45	2.21	0.22	1.93	0.50	-0.70	887.47	33.96	75.56	845.88	-
183.77													
		102	0.80	3.13	0.43	1.85	1.71	-1.35	432.50	-53.62	1.49	377.39	-
154.12													
		101	1.14	2.06	0.28	0.79	1.55	-0.80	579.73	-142.80	77.14	359.78	-
332.48													
		47	1.71	0.72	-0.39	0.44	-0.11	-0.48	1019.40	-4.44	162.66	852.30	-
378.37													
30	66	94	1.28	-0.02	-1.61	-1.51	-0.12	0.39	-122.86	-819.33	-123.36	-818.83	-18.70
		102	0.45	-0.04	-2.50	-1.42	-1.12	1.22	1.48	-263.01	1.21	-262.74	-8.44
		101	0.75	0.05	-1.45	-0.44	-0.96	0.70	135.57	-350.81	5.31	-220.55	
215.38													
		47	1.39	0.47	-0.21	-0.18	0.44	0.14	-59.99	-857.07	-125.74	-791.32	
219.28													
30	67	94	1.45	2.81	0.42	2.46	0.76	-0.84	912.77	99.69	112.58	899.88	-
101.56													
		102	0.69	3.94	0.58	2.42	2.10	-1.67	381.83	-24.28	-5.78	363.33	-84.68
		101	1.05	2.55	0.04	0.77	1.81	-1.14	526.91	-131.13	60.24	335.54	-
298.84													
		47	1.66	0.83	-0.30	0.43	0.11	-0.54	1018.90	57.53	188.96	887.46	-
330.28													
30	68	94	1.40	0.24	-1.14	-1.05	0.15	0.34	-91.49	-876.76	-92.83	-875.43	32.31
		102	0.52	0.10	-1.87	-0.94	-0.82	0.98	7.42	-302.17	4.09	-298.83	31.95
		101	0.87	-0.11	-1.05	-0.43	-0.74	0.45	155.64	-415.34	-0.20	-259.50	
254.35													
		47	1.58	0.64	-0.17	-0.16	0.62	0.10	-17.78	-952.14	-106.54	-863.38	
273.96													
30	69	94	1.53	2.26	0.20	1.95	0.50	-0.73	936.55	45.03	77.70	903.88	-
167.49													
		102	0.80	3.18	0.43	1.88	1.74	-1.38	431.77	-48.25	-4.64	388.16	-
137.96													
		101	1.15	2.08	0.23	0.76	1.55	-0.84	584.61	-147.58	70.08	366.95	-
334.65													
		47	1.79	0.71	-0.39	0.41	-0.10	-0.49	1070.95	4.69	166.53	909.10	-
382.59													
30	70	94	1.37	0.01	-1.69	-1.56	-0.12	0.45	-126.19	-872.94	-127.71	-871.43	-33.62
		102	0.47	-0.05	-2.62	-1.48	-1.18	1.28	6.85	-275.63	5.23	-274.01	-21.33
		101	0.77	0.08	-1.52	-0.44	-1.00	0.75	139.55	-358.00	9.64	-228.09	
218.54													

		47	1.46	0.46	-0.21	-0.17	0.42	0.15	-65.67	-905.04	-128.97	-841.74	
221.65													
30	71	94	1.45	2.79	0.43	2.45	0.77	-0.83	915.25	98.82	111.48	902.59	-
100.88													
		102	0.69	3.90	0.57	2.40	2.08	-1.66	380.87	-24.62	-6.83	363.08	-83.04
		101	1.05	2.52	0.03	0.76	1.79	-1.13	525.94	-131.71	58.87	335.35	-
298.35													
		47	1.67	0.83	-0.30	0.42	0.11	-0.54	1022.34	57.60	189.28	890.65	-
331.21													
30	72	94	1.40	0.24	-1.16	-1.07	0.15	0.35	-92.54	-874.12	-93.93	-872.72	32.99
		102	0.52	0.10	-1.90	-0.96	-0.84	1.00	6.73	-302.77	3.04	-299.08	33.59
		101	0.87	-0.12	-1.08	-0.44	-0.76	0.45	155.03	-416.28	-1.56	-259.69	
254.84													
		47	1.58	0.63	-0.18	-0.17	0.62	0.10	-17.73	-948.68	-106.22	-860.19	
273.03													
30	73	94	1.52	2.28	0.19	1.97	0.50	-0.74	934.24	45.74	78.81	901.18	-
168.17													
		102	0.80	3.22	0.43	1.90	1.76	-1.39	433.04	-48.22	-3.59	388.41	-
139.59													
		101	1.15	2.11	0.24	0.77	1.57	-0.85	585.60	-147.01	71.44	367.14	-
335.14													
		47	1.78	0.72	-0.39	0.42	-0.09	-0.49	1067.53	4.60	166.21	905.91	-
381.66													
30	74	94	1.38	4.50e-03	-1.67	-1.55	-0.12	0.44	-125.03	-875.70	-126.61	-874.13	-34.30
		102	0.47	-0.04	-2.59	-1.46	-1.16	1.26	8.15	-275.63	6.28	-273.76	-22.97
		101	0.76	0.09	-1.49	-0.43	-0.98	0.74	140.18	-357.08	11.00	-227.90	
218.05													
		47	1.47	0.46	-0.20	-0.16	0.42	0.15	-65.71	-908.51	-129.29	-844.93	
222.58													
30	75	94	0.33	1.81	0.54	1.58	0.77	-0.48	215.01	65.19	65.24	214.96	2.81
		102	0.16	2.40	0.53	1.62	1.31	-0.92	89.83	-1.83	-1.77	89.77	2.33
		101	0.24	1.59	-0.18	0.33	1.09	-0.80	120.56	-7.88	30.32	82.36	-58.72
		47	0.34	0.72	-0.02	0.22	0.48	-0.35	221.92	71.40	96.67	196.64	-56.26
30	76	94	0.37	0.89	0.45	0.73	0.61	-0.21	24.53	-206.37	15.92	-197.76	43.74
		102	0.17	1.01	0.40	0.81	0.61	-0.29	15.63	-86.41	-1.84	-68.93	38.45
		101	0.26	0.72	-0.24	0.02	0.46	-0.43	61.03	-110.04	12.51	-61.52	77.11
		47	0.47	0.68	0.01	0.07	0.62	-0.19	56.74	-242.42	25.17	-210.85	91.91
30	77	94	0.66	0.30	-0.09	0.17	0.04	-0.18	317.94	-122.78	-31.05	226.22	-
178.92													
		102	0.50	0.36	0.08	0.13	0.31	-0.11	244.17	-84.62	1.29	158.26	-
144.45													
		101	0.52	0.37	0.29	0.31	0.35	0.03	280.18	-53.84	57.37	168.97	-
157.41													
		47	0.71	0.29	-0.19	0.18	-0.09	-0.20	374.84	-83.45	34.82	256.57	-
200.54													
30	78	94	0.48	-0.10	-0.70	-0.68	-0.12	0.09	14.41	-281.28	-80.37	-186.50	-
138.00													
		102	0.33	0.01	-1.09	-0.68	-0.39	0.53	108.73	-107.95	1.22	-0.45	-
108.33													
		101	0.09	0.30	-0.56	5.71e-03	-0.27	0.41	55.09	9.56	39.56	25.10	-21.58
		47	0.27	0.09	-7.10e-03	0.03	0.05	-0.05	-16.31	-171.29	-36.68	-150.92	-52.37
30	79	94	0.35	1.82	0.54	1.59	0.76	-0.49	228.94	65.77	66.04	228.67	6.68
		102	0.17	2.42	0.53	1.63	1.32	-0.93	92.87	-3.40	-3.03	92.50	5.93
		101	0.24	1.60	-0.19	0.33	1.09	-0.81	122.04	-8.95	28.91	84.18	-59.38
		47	0.36	0.72	-0.02	0.22	0.48	-0.35	233.84	73.64	97.55	209.93	-57.08
30	80	94	0.39	0.87	0.46	0.72	0.61	-0.20	21.93	-218.28	15.12	-211.47	39.87
		102	0.16	0.99	0.40	0.80	0.60	-0.28	13.65	-85.90	-0.59	-71.66	34.84
		101	0.27	0.71	-0.23	0.03	0.46	-0.42	62.13	-111.55	13.92	-63.35	77.77
		47	0.49	0.67	0.01	0.07	0.61	-0.19	55.08	-254.93	24.29	-224.14	92.72
30	81	94	0.67	0.31	-0.10	0.18	0.04	-0.19	325.96	-116.27	-30.25	239.93	-
175.05													
		102	0.49	0.38	0.08	0.14	0.32	-0.12	242.73	-81.71	0.04	160.99	-
140.85													
		101	0.52	0.36	0.30	0.31	0.36	0.02	281.56	-54.80	55.95	170.80	-
158.07													
		47	0.72	0.29	-0.19	0.18	-0.08	-0.20	385.70	-80.14	35.70	269.86	-
201.35													
30	82	94	0.50	-0.10	-0.71	-0.69	-0.12	0.10	13.15	-294.54	-81.17	-200.21	-
141.86													
		102	0.34	9.27e-03	-1.11	-0.69	-0.41	0.54	111.62	-112.32	2.48	-3.18	-
111.94													
		101	0.09	0.31	-0.57	8.47e-03	-0.28	0.42	54.84	9.40	40.97	23.27	-20.92

		47	0.29	0.09	-4.69e-03	0.04	0.05	-0.04	-19.23	-182.54	-37.56	-164.21	-51.55
30	83	94	0.34	1.75	0.56	1.54	0.77	-0.45	222.54	62.06	62.20	222.40	4.68
		102	0.16	2.31	0.51	1.56	1.26	-0.88	89.58	-5.16	-4.66	89.08	6.84
		101	0.23	1.53	-0.20	0.30	1.03	-0.78	117.87	-9.47	26.57	81.84	-57.36
		47	0.35	0.70	-0.04	0.20	0.47	-0.34	231.30	71.68	97.55	205.43	-58.82
30	84	94	0.36	0.83	0.47	0.69	0.61	-0.18	22.65	-200.09	12.89	-190.32	45.61
		102	0.18	0.92	0.39	0.75	0.55	-0.25	16.66	-91.01	-4.73	-69.62	42.96
		101	0.27	0.66	-0.25	-3.61e-03	0.41	-0.41	59.44	-112.72	8.76	-62.04	78.46
		47	0.45	0.67	-0.01	0.05	0.61	-0.19	56.88	-232.89	26.05	-202.06	89.35
30	85	94	0.66	0.36	-0.11	0.21	0.03	-0.21	314.27	-123.51	-28.01	218.78	-
180.79													
		102	0.51	0.44	0.10	0.18	0.36	-0.14	249.43	-86.30	4.18	158.94	-
148.96													
		101	0.52	0.41	0.33	0.34	0.41	0.01	283.06	-52.45	61.12	169.49	-
158.76													
		47	0.69	0.31	-0.18	0.21	-0.08	-0.20	365.87	-84.15	33.94	247.78	-
197.98													
30	86	94	0.49	-0.11	-0.65	-0.64	-0.12	0.06	15.90	-287.17	-77.33	-193.94	-
139.87													
		102	0.34	0.03	-1.00	-0.63	-0.34	0.49	115.04	-110.68	4.11	0.24	-
112.84													
		101	0.10	0.32	-0.50	0.03	-0.22	0.39	59.05	9.88	43.31	25.61	-22.94
		47	0.28	0.11	8.22e-03	0.06	0.06	-0.05	-19.82	-177.45	-37.56	-159.71	-49.81
30	87	94	0.36	1.76	0.55	1.55	0.77	-0.46	236.53	62.58	63.01	236.11	8.55
		102	0.17	2.33	0.51	1.57	1.27	-0.90	92.92	-7.02	-5.92	91.82	10.44
		101	0.24	1.54	-0.21	0.30	1.03	-0.79	119.39	-10.57	25.15	83.66	-58.02
		47	0.37	0.71	-0.04	0.20	0.48	-0.35	243.28	73.88	98.43	218.72	-59.64
30	88	94	0.38	0.82	0.48	0.68	0.61	-0.17	19.86	-211.81	12.08	-204.03	41.74
		102	0.17	0.90	0.38	0.74	0.54	-0.24	14.38	-90.21	-3.48	-72.35	39.36
		101	0.27	0.65	-0.24	-8.60e-04	0.40	-0.40	60.51	-114.20	10.17	-63.86	79.13
		47	0.47	0.66	-7.82e-03	0.05	0.60	-0.19	55.22	-245.40	25.17	-215.35	90.17
30	89	94	0.66	0.37	-0.12	0.22	0.03	-0.23	322.10	-116.82	-27.21	232.49	-
176.92													
		102	0.50	0.46	0.10	0.19	0.37	-0.16	247.92	-83.32	2.93	161.67	-
145.36													
		101	0.53	0.41	0.33	0.33	0.41	4.27e-03	284.42	-53.40	59.71	171.31	-
159.43													
		47	0.71	0.31	-0.18	0.21	-0.07	-0.21	376.68	-80.78	34.82	261.07	-
198.80													
30	90	94	0.52	-0.11	-0.66	-0.65	-0.12	0.07	14.76	-300.54	-78.13	-207.65	-
143.74													
		102	0.35	0.03	-1.02	-0.64	-0.35	0.50	117.95	-115.07	5.37	-2.49	-
116.45													
		101	0.10	0.33	-0.51	0.04	-0.22	0.40	58.87	9.64	44.72	23.79	-22.28
		47	0.30	0.10	9.97e-03	0.06	0.05	-0.05	-22.49	-188.95	-38.44	-173.00	-48.99
30	91	94	1.15	2.37	0.41	2.08	0.69	-0.69	719.10	70.37	89.07	700.40	-
108.54													
		102	0.60	3.29	0.52	2.04	1.78	-1.38	324.47	-26.19	-0.62	298.90	-91.18
		101	0.88	2.16	0.07	0.67	1.56	-0.94	445.25	-104.16	60.56	280.53	-
251.72													
		47	1.33	0.75	-0.24	0.39	0.12	-0.47	812.56	38.91	158.44	693.02	-
279.62													
30	92	94	1.08	0.22	-0.80	-0.76	0.17	0.21	-74.02	-676.62	-75.31	-675.33	27.88
		102	0.40	0.13	-1.35	-0.66	-0.56	0.74	2.81	-233.78	-0.85	-230.12	29.21
		101	0.68	-0.11	-0.74	-0.34	-0.52	0.30	125.66	-323.52	1.20	-199.06	
201.03													
		47	1.23	0.58	-0.12	-0.12	0.58	0.04	-9.84	-735.33	-79.89	-665.28	
214.28													
30	93	94	1.22	1.91	0.22	1.66	0.47	-0.60	742.74	21.23	60.19	703.78	-
163.06													
		102	0.69	2.67	0.40	1.59	1.47	-1.13	369.03	-49.28	0.30	319.44	-
135.22													
		101	0.96	1.77	0.23	0.67	1.34	-0.69	493.03	-117.84	68.68	306.51	-
281.33													
		47	1.44	0.64	-0.32	0.38	-0.05	-0.43	856.50	-5.62	139.89	711.00	-
322.91													
30	94	94	1.05	0.03	-1.26	-1.18	-0.04	0.30	-102.95	-673.20	-104.20	-671.95	-26.64
		102	0.36	0.01	-1.98	-1.11	-0.86	0.99	1.11	-210.61	0.07	-209.57	-14.82
		101	0.60	0.04	-1.13	-0.34	-0.74	0.55	112.29	-276.05	9.31	-173.08	
171.42													
		47	1.13	0.42	-0.14	-0.13	0.41	0.08	-49.54	-696.22	-98.45	-647.30	
170.99													

30	95	94	1.15	2.35	0.41	2.07	0.69	-0.68	721.06	69.74	88.16	702.64	-107.98
		102	0.59	3.27	0.52	2.02	1.76	-1.37	323.52	-26.31	-1.49	298.69	-89.83
		101	0.88	2.14	0.07	0.67	1.54	-0.94	444.43	-104.62	59.44	280.37	-251.32
		47	1.34	0.74	-0.24	0.38	0.12	-0.47	815.38	38.98	158.70	695.66	-280.39
30	96	94	1.07	0.22	-0.82	-0.77	0.17	0.22	-74.87	-674.45	-76.22	-673.09	28.44
		102	0.40	0.13	-1.38	-0.68	-0.58	0.75	2.30	-234.34	-1.72	-230.32	30.56
		101	0.68	-0.12	-0.76	-0.34	-0.54	0.31	125.17	-324.31	0.07	-199.22	-201.44
		47	1.22	0.58	-0.13	-0.13	0.57	0.04	-9.80	-732.47	-79.63	-662.64	-213.51
30	97	94	1.22	1.93	0.22	1.67	0.47	-0.61	740.93	21.72	61.10	701.55	-163.62
		102	0.69	2.70	0.40	1.61	1.49	-1.15	370.19	-49.37	1.17	319.65	-136.57
		101	0.96	1.79	0.24	0.68	1.35	-0.70	493.86	-117.38	69.80	306.67	-281.74
		47	1.43	0.65	-0.31	0.38	-0.05	-0.43	853.69	-5.71	139.62	708.36	-322.14
30	98	94	1.06	0.02	-1.24	-1.17	-0.05	0.29	-101.99	-675.48	-103.29	-674.18	-27.21
		102	0.36	0.02	-1.95	-1.09	-0.84	0.98	2.17	-210.60	0.94	-209.37	-16.18
		101	0.59	0.05	-1.11	-0.33	-0.73	0.54	112.80	-275.28	10.44	-172.92	-171.02
		47	1.13	0.42	-0.14	-0.12	0.41	0.08	-49.57	-699.08	-98.71	-649.94	-171.76
30	99	94	1.21	2.42	0.38	2.11	0.69	-0.73	759.80	78.06	91.76	746.11	-95.65
		102	0.60	3.37	0.52	2.08	1.81	-1.42	326.90	-23.71	-4.81	308.00	-79.18
		101	0.89	2.19	0.04	0.67	1.57	-0.98	450.14	-107.68	55.85	286.61	-253.93
		47	1.39	0.75	-0.24	0.38	0.14	-0.48	852.65	46.05	161.38	737.33	-282.35
30	100	94	1.15	0.24	-0.85	-0.79	0.18	0.25	-77.65	-721.38	-78.00	-721.03	14.98
		102	0.41	0.13	-1.43	-0.70	-0.60	0.78	4.56	-240.44	3.34	-239.22	17.21
		101	0.69	-0.08	-0.78	-0.33	-0.54	0.33	129.38	-328.62	5.91	-205.14	-203.24
		47	1.29	0.57	-0.11	-0.11	0.56	0.05	-15.03	-777.38	-82.83	-709.59	-217.00
30	101	94	1.28	1.96	0.20	1.69	0.47	-0.64	780.89	31.46	62.87	749.48	-150.17
		102	0.68	2.74	0.40	1.63	1.51	-1.17	369.23	-44.58	-3.89	328.55	-123.21
		101	0.97	1.81	0.20	0.66	1.35	-0.73	497.87	-121.31	63.97	312.59	-283.54
		47	1.50	0.65	-0.32	0.36	-0.03	-0.44	896.08	2.05	142.82	755.31	-325.63
30	102	94	1.13	0.05	-1.30	-1.21	-0.04	0.34	-104.34	-720.20	-106.88	-717.65	-39.54
		102	0.38	7.42e-03	-2.05	-1.14	-0.90	1.02	7.44	-221.86	4.26	-218.68	-26.83
		101	0.61	0.08	-1.16	-0.33	-0.76	0.58	116.12	-281.25	14.02	-179.16	-173.63
		47	1.19	0.41	-0.14	-0.12	0.39	0.09	-54.05	-738.94	-101.39	-691.61	-173.72
30	103	94	1.21	2.40	0.39	2.10	0.69	-0.72	761.81	77.37	90.85	748.34	-95.09
		102	0.59	3.34	0.52	2.06	1.80	-1.40	326.05	-23.94	-5.68	307.79	-77.82
		101	0.89	2.17	0.04	0.66	1.55	-0.97	449.33	-108.15	54.73	286.45	-253.52
		47	1.40	0.75	-0.25	0.37	0.13	-0.48	855.49	46.12	161.64	739.96	-283.12
30	104	94	1.15	0.24	-0.87	-0.80	0.18	0.26	-78.53	-719.17	-78.91	-718.80	15.55
		102	0.41	0.13	-1.45	-0.71	-0.61	0.79	3.89	-240.84	2.47	-239.43	18.56
		101	0.69	-0.09	-0.80	-0.33	-0.55	0.34	128.88	-329.39	4.78	-205.30	-203.64
		47	1.29	0.56	-0.12	-0.12	0.56	0.05	-14.99	-774.52	-82.57	-706.95	-216.23
30	105	94	1.28	1.98	0.19	1.70	0.47	-0.65	779.02	32.02	63.78	747.25	-150.73
		102	0.69	2.77	0.41	1.65	1.53	-1.18	370.31	-44.59	-3.02	328.75	-124.57
		101	0.98	1.83	0.21	0.67	1.37	-0.73	498.69	-120.85	65.09	312.75	-283.94
		47	1.49	0.65	-0.31	0.37	-0.03	-0.44	893.26	1.97	142.56	752.67	-

324.86													
30	106	94	1.14	0.04	-1.29	-1.20	-0.04	0.33	-103.36	-722.49	-105.97	-719.88	-40.10
		102	0.38	0.01	-2.02	-1.13	-0.88	1.01	8.63	-221.97	5.13	-218.47	-28.18
		101	0.61	0.08	-1.15	-0.32	-0.74	0.58	116.64	-280.49	15.15	-179.00	
173.22													
		47	1.20	0.41	-0.13	-0.11	0.40	0.09	-54.09	-741.80	-101.65	-694.24	
174.49													
31	1	102	0.08	0.10	-0.05	-0.03	0.08	-0.05	40.49	-8.48	17.44	14.56	24.44
		100	0.12	0.26	-9.81e-03	-4.16e-04	0.25	-0.05	14.86	-63.72	3.87	-52.73	27.26
		49	0.10	0.25	-7.96e-03	1.61e-03	0.24	-0.05	10.17	-50.13	10.14	-50.10	-1.32
		101	0.03	0.10	-0.05	-0.03	0.08	-0.05	23.95	13.80	23.00	14.75	-2.95
31	2	102	0.22	1.02	0.11	0.16	0.97	-0.21	126.90	0.29	1.47	125.73	12.14
		100	0.46	2.76	0.50	0.52	2.74	-0.21	266.52	27.92	29.10	265.33	16.76
		49	0.50	2.68	0.29	0.31	2.66	-0.21	288.91	20.34	43.82	265.42	75.87
		101	0.29	0.99	-0.07	-0.03	0.95	-0.21	163.28	-16.02	16.59	130.68	69.16
31	3	102	0.06	0.06	-0.04	-0.03	0.04	-0.03	30.58	-7.76	13.72	9.11	19.03
		100	0.10	0.15	-0.02	-0.01	0.14	-0.03	10.37	-54.43	2.50	-46.57	21.17
		49	0.08	0.15	-0.01	-4.55e-03	0.14	-0.03	7.28	-44.61	7.16	-44.50	-2.47
		101	0.03	0.06	-0.04	-0.02	0.04	-0.03	19.14	7.84	17.81	9.16	-3.63
31	4	102	0.22	0.98	0.12	0.17	0.93	-0.19	120.64	-2.62	-2.25	120.27	6.74
		100	0.47	2.66	0.50	0.51	2.64	-0.19	271.97	27.27	27.73	271.50	10.67
		49	0.51	2.58	0.29	0.30	2.56	-0.19	293.16	18.72	40.85	271.03	74.71
		101	0.29	0.95	-0.06	-0.02	0.92	-0.19	157.24	-20.75	11.40	125.09	68.48
31	5	102	0.06	0.07	-0.04	-0.03	0.05	-0.04	30.89	-7.05	13.55	10.29	18.90
		100	0.10	0.18	-0.01	-4.62e-03	0.17	-0.04	10.96	-51.36	2.77	-43.17	21.05
		49	0.08	0.17	-8.82e-03	-1.28e-03	0.17	-0.04	7.58	-41.19	7.52	-41.13	-1.65
		101	0.03	0.07	-0.04	-0.02	0.05	-0.04	18.73	9.41	17.75	10.39	-2.86
31	6	102	0.15	0.68	0.07	0.10	0.64	-0.14	85.78	1.52	2.90	84.40	10.70
		100	0.30	1.85	0.33	0.34	1.83	-0.14	170.18	18.28	19.59	168.87	14.06
		49	0.32	1.79	0.19	0.20	1.78	-0.14	185.20	14.00	29.98	169.22	49.81
		101	0.19	0.66	-0.05	-0.02	0.64	-0.14	109.06	-7.91	13.47	87.68	45.21
31	7	102	0.06	0.07	-0.04	-0.03	0.05	-0.04	30.89	-7.05	13.55	10.29	18.90
		100	0.10	0.18	-0.01	-4.62e-03	0.17	-0.04	10.96	-51.36	2.77	-43.17	21.05
		49	0.08	0.17	-8.82e-03	-1.28e-03	0.17	-0.04	7.58	-41.19	7.52	-41.13	-1.65
		101	0.03	0.07	-0.04	-0.02	0.05	-0.04	18.73	9.41	17.75	10.39	-2.86
31	8	102	0.11	0.49	0.04	0.06	0.47	-0.11	65.10	3.16	6.09	62.17	13.16
		100	0.19	1.35	0.23	0.24	1.33	-0.11	108.05	11.75	14.55	105.26	16.15
		49	0.21	1.31	0.13	0.14	1.30	-0.11	118.52	10.84	23.24	106.12	34.37
		101	0.14	0.48	-0.05	-0.02	0.46	-0.11	79.20	0.04	14.75	64.49	30.79
31	9	102	0.06	0.07	-0.04	-0.03	0.05	-0.04	30.89	-7.05	13.55	10.29	18.90
		100	0.10	0.18	-0.01	-4.62e-03	0.17	-0.04	10.96	-51.36	2.77	-43.17	21.05
		49	0.08	0.17	-8.82e-03	-1.28e-03	0.17	-0.04	7.58	-41.19	7.52	-41.13	-1.65
		101	0.03	0.07	-0.04	-0.02	0.05	-0.04	18.73	9.41	17.75	10.39	-2.86
31	10	102	0.10	0.43	0.03	0.05	0.41	-0.10	58.56	3.36	7.16	54.76	13.98
		100	0.16	1.18	0.19	0.21	1.17	-0.10	87.84	9.07	12.86	84.05	16.85
		49	0.17	1.15	0.11	0.12	1.14	-0.10	96.41	9.67	21.00	85.08	29.23
		101	0.12	0.42	-0.05	-0.02	0.40	-0.10	69.25	2.70	15.18	56.77	25.98
31	11	102	0.62	2.18	-0.59	0.08	1.51	-1.19	263.49	-139.93	2.23	121.33	
192.72													
		100	0.81	4.93	0.68	0.90	4.71	-0.93	270.12	-276.01	-40.27	34.39	
270.50													
		49	0.78	3.98	1.96	1.96	3.97	0.05	410.88	-82.58	237.66	90.64	
235.53													
		101	0.41	2.08	0.65	0.75	1.99	-0.35	270.01	62.33	208.57	123.76	94.79
31	12	102	0.38	0.57	-0.36	-0.36	0.56	-0.03	120.08	-135.08	94.22	-109.23	77.00
		100	1.23	-0.02	-0.65	-0.38	-0.28	0.31	-59.08	-762.91	-65.64	-756.35	67.64
		49	1.35	0.96	-1.00	0.86	-0.90	-0.42	-7.64	-798.35	-64.72	-741.28	-
204.63													
		101	0.77	1.46	-0.20	0.34	0.92	-0.78	179.84	-337.56	19.69	-177.41	-
239.19													
31	13	102	0.47	0.56	0.16	0.46	0.25	-0.17	226.59	-87.75	-79.91	218.74	-49.03
		100	1.51	2.75	0.66	0.79	2.62	-0.51	925.83	89.98	91.36	924.45	-33.93
		49	1.68	3.19	-0.63	-0.62	3.17	0.23	989.81	28.34	106.72	911.44	
263.08													
		101	0.98	0.34	-0.85	-0.39	-0.12	0.58	473.93	-172.32	10.68	290.94	
291.16													
31	14	102	0.50	0.71	-1.39	0.02	-0.70	0.99	165.33	-165.05	12.09	-11.81	-
164.75													
		100	0.74	-0.24	-2.62	-0.49	-2.38	0.73	339.06	-139.34	66.00	133.72	-
236.80													
		49	0.67	-1.46	-1.96	-1.72	-1.70	-0.25	166.18	-282.32	-195.67	79.52	-
177.08													

		101	0.32	-0.74	-1.24	-0.80	-1.18	0.15	0.05	-188.49	-178.21	-10.23-42.82
31	15	102	0.65	2.20	-0.59	0.09	1.52	-1.20	276.42	-148.68	2.16	125.58
203.40												
		100	0.85	4.94	0.69	0.91	4.73	-0.92	278.52	-292.62	-40.58	26.47
283.59												
		49	0.81	4.00	2.00	2.00	3.99	0.06	425.06	-92.15	249.16	83.74
245.02												
		101	0.44	2.10	0.69	0.79	2.00	-0.36	286.01	66.82	221.81	131.02 99.75
31	16	102	0.37	0.56	-0.37	-0.37	0.55	-0.02	113.66	-132.85	94.29	-113.49 66.32
		100	1.21	-0.03	-0.66	-0.39	-0.29	0.31	-61.00	-752.76	-65.33	-748.43 54.55
		49	1.34	0.92	-1.02	0.82	-0.92	-0.43	-12.69	-797.91	-76.22	-734.37 -
214.12												
		101	0.79	1.43	-0.22	0.30	0.91	-0.77	173.08	-351.30	6.45	-184.66 -
244.16												
31	17	102	0.47	0.57	0.16	0.47	0.26	-0.18	227.78	-84.75	-79.97	223.00-38.36
		100	1.50	2.76	0.67	0.80	2.63	-0.51	917.07	90.53	91.06	916.54-20.84
		49	1.68	3.21	-0.59	-0.58	3.19	0.23	989.78	32.97	118.22	904.54
272.58												
		101	0.99	0.36	-0.81	-0.35	-0.10	0.57	487.39	-165.28	23.92	298.19
296.12												
31	18	102	0.54	0.71	-1.41	9.80e-03	-0.71	1.00	174.04	-177.95	12.16	-16.07 -
175.43												
		100	0.78	-0.25	-2.64	-0.50	-2.39	0.73	356.67	-148.74	66.30	141.63 -
249.88												
		49	0.70	-1.49	-2.00	-1.76	-1.72	-0.25	177.02	-297.77	-207.17	86.42 -
186.57												
		101	0.34	-0.77	-1.26	-0.83	-1.20	0.16	-5.23	-203.71	-191.45	-17.49-47.79
31	19	102	0.63	2.07	-0.53	0.09	1.45	-1.11	267.72	-148.59	-0.27	119.40
199.37												
		100	0.86	3.64	-0.17	-0.10	3.57	-0.52	277.74	-308.88	-39.38	8.25
292.34												
		49	0.82	3.76	1.86	1.86	3.76	0.04	426.92	-100.52	257.03	69.38
246.47												
		101	0.44	2.09	0.61	0.72	1.98	-0.39	291.43	70.84	231.33	130.95 98.21
31	20	102	0.39	0.50	-0.36	-0.36	0.50	0.05	121.77	-141.20	91.73	-111.16 83.65
		100	1.30	-0.68	-2.12	-1.38	-1.42	0.72	-53.76	-793.47	-64.75	-782.49 89.48
		49	1.38	0.86	-1.22	0.76	-1.12	-0.44	3.62	-811.51	-45.35	-762.54 -
193.70												
		101	0.77	1.48	-0.25	0.31	0.91	-0.81	194.75	-322.52	42.44	-170.22 -
235.76												
31	21	102	0.48	0.64	0.13	0.46	0.31	-0.25	230.73	-87.47	-77.41	220.67-55.68
		100	1.58	4.12	1.43	1.79	3.76	-0.92	954.19	86.87	90.47	950.59-55.77
		49	1.71	3.41	-0.53	-0.52	3.39	0.24	1002.19	17.85	87.35	932.70
252.15												
		101	0.98	0.39	-0.86	-0.36	-0.11	0.61	459.36	-187.69	-12.08	283.75
287.73												
31	22	102	0.52	0.66	-1.27	0.02	-0.63	0.91	174.19	-169.49	14.59	-9.88 -
171.41												
		100	0.80	0.57	-1.29	0.51	-1.23	0.32	375.42	-150.45	65.11	159.86 -
258.64												
		49	0.73	-1.30	-1.80	-1.62	-1.48	-0.24	188.40	-302.66	-215.04	100.78 -
188.01												
		101	0.35	-0.69	-1.25	-0.76	-1.17	0.19	-6.43	-211.96	-200.96	-17.42-46.25
31	23	102	0.66	2.09	-0.53	0.10	1.46	-1.12	280.66	-157.35	-0.34	123.65
210.05												
		100	0.90	3.65	-0.16	-0.09	3.58	-0.52	286.41	-325.76	-39.69	0.33
305.43												
		49	0.85	3.78	1.90	1.90	3.78	0.04	441.42	-110.41	268.53	62.48
255.96												
		101	0.47	2.11	0.64	0.76	1.99	-0.39	307.46	75.31	244.57	138.21
103.18												
31	24	102	0.38	0.49	-0.37	-0.37	0.49	0.06	114.92	-138.54	91.80	-115.42 72.97
		100	1.28	-0.70	-2.13	-1.39	-1.44	0.72	-56.32	-782.70	-64.44	-774.57 76.39
		49	1.38	0.82	-1.24	0.72	-1.14	-0.44	-2.07	-810.42	-56.86	-755.64 -
203.19												
		101	0.78	1.45	-0.28	0.27	0.90	-0.80	187.84	-336.11	29.20	-177.48 -
240.73												
31	25	102	0.47	0.66	0.13	0.47	0.32	-0.26	231.49	-84.03	-77.48	224.93-45.01
		100	1.56	4.13	1.44	1.80	3.77	-0.91	944.81	88.04	90.17	942.68-42.68
		49	1.71	3.43	-0.49	-0.48	3.41	0.24	1001.62	23.02	98.85	925.80
261.64												
		101	0.99	0.41	-0.82	-0.32	-0.09	0.60	472.69	-180.53	1.16	291.01

292.70													
31	26	102	0.55	0.66	-1.29	7.62e-03	-0.64	0.92	182.91	-182.39	14.66	-14.14	-
182.08													
		100	0.84	0.56	-1.30	0.50	-1.25	0.32	393.09	-159.91	65.41	167.77	-
271.72													
		49	0.76	-1.33	-1.83	-1.66	-1.50	-0.24	199.29	-318.15	-226.54	107.69	-
197.51													
		101	0.37	-0.72	-1.27	-0.80	-1.19	0.20	-11.72	-227.16	-214.20	-24.68	-51.21
31	27	102	1.12	3.75	-0.84	0.74	2.18	-2.18	515.43	-224.88	-133.85	424.40	
243.11													
		100	2.48	10.42	1.74	2.35	9.80	-2.22	1387.17	-83.34	35.39	1268.43	
400.63													
		49	3.05	9.44	2.27	2.34	9.38	0.67	1805.13	87.96	544.61	1348.48	
758.69													
		101	1.81	2.62	0.70	0.82	2.50	0.47	1006.61	-113.30	359.67	533.64	
553.16													
31	28	102	0.88	0.82	-2.54	-0.75	-0.98	1.68	209.55	-380.85	172.81	-344.11	-
142.62													
		100	2.45	-1.27	-7.49	-1.91	-6.84	1.90	6.14	-1422.64	-49.15	-1367.35	-
275.59													
		49	3.02	-1.17	-7.02	-1.32	-6.87	-0.92	-87.81	-1800.09	-463.34	-1424.56	-
708.51													
		101	1.79	0.19	-1.77	-0.53	-1.06	-0.94	198.89	-939.09	-269.94	-470.26	-
560.10													
31	29	102	1.05	3.26	-0.61	0.85	1.80	-1.87	497.96	-202.82	-158.49	453.63	
170.59													
		100	2.76	9.77	1.73	2.32	9.17	-2.10	1598.25	12.08	74.88	1535.45	
309.30													
		49	3.35	9.21	1.50	1.56	9.14	0.72	1990.73	109.32	505.33	1594.72	
766.96													
		101	1.99	2.19	0.15	0.48	1.86	0.75	1070.32	-186.22	300.31	583.79	
612.07													
31	30	102	0.95	1.02	-3.01	-0.63	-1.36	1.98	232.70	-399.42	148.17	-314.89	-
215.15													
		100	2.18	-1.28	-8.13	-1.94	-7.47	2.02	102.28	-1212.27	-9.66	-1100.33	-
366.92													
		49	2.73	-1.95	-7.26	-2.09	-7.11	-0.87	-62.99	-1617.96	-502.62	-1178.32	-
700.24													
		101	1.61	-0.50	-2.06	-0.87	-1.69	-0.67	128.53	-877.95	-329.31	-420.11	-
501.19													
31	31	102	1.12	3.72	-0.82	0.74	2.16	-2.16	516.15	-226.92	-134.60	423.82	
245.11													
		100	2.48	10.01	1.50	2.06	9.46	-2.10	1383.59	-87.34	35.66	1260.59	
407.18													
		49	3.05	9.38	2.24	2.31	9.32	0.67	1804.92	87.61	550.42	1342.11	
761.97													
		101	1.81	2.61	0.70	0.81	2.49	0.46	1011.76	-109.47	366.50	535.80	
554.19													
31	32	102	0.88	0.83	-2.58	-0.75	-1.00	1.70	207.85	-380.49	172.06	-344.69	-
140.63													
		100	2.46	-1.49	-7.90	-2.21	-7.18	2.02	3.61	-1427.68	-48.89	-1375.19	-
269.04													
		49	3.03	-1.20	-7.08	-1.35	-6.93	-0.92	-87.36	-1801.11	-457.52	-1430.94	-
705.23													
		101	1.78	0.19	-1.79	-0.54	-1.06	-0.95	202.78	-934.00	-263.11	-468.11	-
559.08													
31	33	102	1.05	3.29	-0.63	0.85	1.82	-1.90	497.58	-201.12	-157.74	454.21	
168.59													
		100	2.77	10.17	1.97	2.62	9.52	-2.22	1603.25	14.66	74.61	1543.29	
302.75													
		49	3.35	9.28	1.52	1.59	9.21	0.73	1991.89	108.73	499.52	1601.10	
763.68													
		101	1.98	2.20	0.16	0.49	1.87	0.76	1065.36	-190.24	293.48	581.64	
611.04													
31	34	102	0.96	1.00	-2.98	-0.63	-1.34	1.96	234.79	-400.18	148.92	-314.31	-
217.14													
		100	2.17	-1.05	-7.72	-1.65	-7.12	1.90	106.41	-1208.83	-9.93	-1092.48	-
373.47													
		49	2.73	-1.92	-7.19	-2.06	-7.04	-0.86	-62.37	-1618.01	-508.43	-1171.95	-
703.52													
		101	1.61	-0.50	-2.05	-0.86	-1.69	-0.66	124.86	-883.26	-336.14	-422.27	-
502.22													

31	35	102	1.21	3.82	-0.85	0.76	2.21	-2.22	551.84	-247.32	-134.08	438.59	278.70
		100	2.50	10.45	1.78	2.39	9.85	-2.22	1387.87	-111.43	34.38	1242.06	444.25
		49	3.09	9.51	2.42	2.48	9.45	0.68	1827.41	81.03	582.95	1325.48	790.33
		101	1.87	2.66	0.84	0.95	2.54	0.44	1055.71	-94.07	403.81	557.83	569.71
31	36	102	0.96	0.83	-2.61	-0.77	-1.01	1.71	227.27	-412.54	173.04	-358.31	-178.21
		100	2.45	-1.30	-7.52	-1.95	-6.88	1.89	26.38	-1415.49	-48.15	-1340.97	-319.21
		49	3.05	-1.31	-7.09	-1.46	-6.93	-0.93	-85.44	-1817.80	-501.68	-1401.56	-740.15
		101	1.85	0.07	-1.83	-0.66	-1.10	-0.92	179.40	-987.93	-314.07	-494.45	-576.65
31	37	102	1.13	3.32	-0.62	0.88	1.83	-1.91	529.58	-220.48	-158.72	467.82	206.18
		100	2.76	9.80	1.77	2.36	9.22	-2.09	1591.17	-8.22	73.87	1509.08	352.92
		49	3.37	9.28	1.64	1.71	9.21	0.73	2007.42	107.97	543.67	1571.72	798.60
		101	2.05	2.23	0.29	0.61	1.91	0.72	1118.49	-166.07	344.44	607.98	628.62
31	38	102	1.04	1.03	-3.08	-0.66	-1.39	2.02	255.87	-436.56	148.40	-329.08	-250.74
		100	2.20	-1.32	-8.17	-1.98	-7.51	2.02	131.20	-1213.81	-8.65	-1073.95	-410.54
		49	2.78	-2.09	-7.33	-2.24	-7.17	-0.88	-54.41	-1641.87	-540.96	-1155.32	-731.88
		101	1.67	-0.63	-2.11	-1.00	-1.73	-0.64	110.08	-927.82	-373.44	-444.30	-517.74
31	39	102	1.21	3.78	-0.83	0.76	2.19	-2.19	552.63	-249.44	-134.83	438.02	280.70
		100	2.50	10.05	1.54	2.09	9.50	-2.09	1384.74	-115.88	34.65	1234.21	450.80
		49	3.09	9.45	2.39	2.45	9.38	0.68	1827.53	80.34	588.77	1319.10	793.61
		101	1.87	2.65	0.83	0.94	2.54	0.43	1060.91	-90.29	410.63	559.98	570.74
31	40	102	0.96	0.84	-2.64	-0.77	-1.03	1.74	225.43	-412.03	172.29	-358.89	-176.22
		100	2.46	-1.53	-7.94	-2.24	-7.22	2.01	23.36	-1420.06	-47.88	-1348.81	-312.66
		49	3.06	-1.34	-7.15	-1.49	-7.00	-0.94	-85.33	-1818.47	-495.87	-1407.94	-736.87
		101	1.84	0.07	-1.84	-0.67	-1.11	-0.93	183.24	-982.78	-307.25	-492.29	-575.63
31	41	102	1.12	3.36	-0.63	0.87	1.85	-1.93	529.08	-218.65	-157.97	468.40	204.18
		100	2.77	10.21	2.01	2.65	9.56	-2.21	1595.74	-5.21	73.60	1516.92	346.37
		49	3.38	9.34	1.67	1.74	9.27	0.74	2008.27	107.69	537.86	1578.10	795.32
		101	2.04	2.24	0.29	0.62	1.91	0.73	1113.48	-170.04	337.61	605.82	627.59
31	42	102	1.05	1.01	-3.04	-0.66	-1.37	2.00	258.04	-437.40	149.15	-328.50	-252.73
		100	2.20	-1.09	-7.76	-1.68	-7.17	1.90	135.82	-1210.85	-8.92	-1066.11	-417.10
		49	2.78	-2.06	-7.26	-2.21	-7.11	-0.87	-53.43	-1642.28	-546.77	-1148.94	-735.16
		101	1.68	-0.63	-2.09	-0.99	-1.73	-0.63	106.46	-933.19	-380.27	-446.45	-518.77
31	43	102	0.50	1.81	-0.45	0.08	1.28	-0.96	219.40	-108.75	3.07	107.58	155.53
		100	0.65	4.14	0.59	0.75	3.97	-0.75	228.99	-213.34	-29.16	44.81	218.05
		49	0.63	3.38	1.57	1.57	3.38	0.02	340.89	-58.45	192.83	89.61	192.89
		101	0.34	1.73	0.51	0.59	1.65	-0.30	225.22	53.46	168.60	110.08	80.74
31	44	102	0.30	0.53	-0.28	-0.27	0.53	-0.04	99.31	-98.56	75.94	-75.19	63.86

		100	0.95	0.14	-0.39	-0.26	0.01	0.23	-43.14	-587.90	-49.20	-581.83	57.17
		49	1.03	0.80	-0.58	0.70	-0.48	-0.36	-3.83	-612.73	-46.85	-569.71	-
156.02													
		101	0.59	1.23	-0.15	0.27	0.81	-0.64	143.30	-253.08	18.84	-128.61	-
183.97													
31	45	102	0.39	0.50	0.17	0.38	0.29	-0.16	189.82	-66.75	-61.63	184.70	-35.89
		100	1.23	2.43	0.57	0.67	2.32	-0.43	750.75	74.11	74.93	749.94	-23.46
		49	1.37	2.76	-0.46	-0.46	2.75	0.16	804.17	24.54	88.84	739.87	
214.47													
		101	0.80	0.31	-0.62	-0.31	-3.31e-03	0.44	389.44	-135.77	11.53	242.15	
235.93													
31	46	102	0.39	0.58	-1.02	0.02	-0.46	0.76	134.25	-121.06	11.25	1.93	-
127.57													
		100	0.58	-0.14	-1.84	-0.34	-1.63	0.55	276.58	-98.40	54.88	123.30	-
184.34													
		49	0.52	-0.97	-1.46	-1.33	-1.11	-0.22	142.22	-212.51	-150.84	80.56	-
134.43													
		101	0.25	-0.59	-0.89	-0.63	-0.85	0.10	9.07	-143.85	-138.23	3.45	-28.77
31	47	102	0.53	1.82	-0.45	0.09	1.29	-0.97	229.63	-115.68	3.01	110.95	
164.00													
		100	0.68	4.14	0.59	0.76	3.98	-0.75	235.50	-226.39	-29.41	38.52	
228.44													
		49	0.66	3.40	1.60	1.60	3.40	0.02	351.93	-65.85	201.95	84.13	
200.41													
		101	0.36	1.75	0.54	0.62	1.66	-0.31	237.85	57.08	179.10	115.84	84.67
31	48	102	0.28	0.52	-0.28	-0.28	0.52	-0.03	93.80	-96.36	76.00	-78.56	55.39
		100	0.93	0.13	-0.40	-0.27	1.58e-03	0.23	-44.83	-579.67	-48.95	-575.55	46.78
		49	1.03	0.77	-0.60	0.67	-0.50	-0.36	-7.89	-612.31	-55.96	-564.23	-
163.55													
		101	0.60	1.21	-0.17	0.23	0.80	-0.63	137.97	-264.00	8.33	-134.37	-
187.90													
31	49	102	0.39	0.51	0.17	0.38	0.30	-0.17	191.05	-64.66	-61.69	188.07	-27.42
		100	1.22	2.44	0.58	0.68	2.33	-0.42	743.91	74.42	74.68	743.65	-13.07
		49	1.36	2.78	-0.43	-0.42	2.77	0.16	804.18	28.17	97.96	734.39	
222.00													
		101	0.81	0.32	-0.59	-0.28	7.46e-03	0.43	400.08	-130.15	22.03	247.90	
239.86													
31	50	102	0.42	0.58	-1.03	0.02	-0.47	0.77	141.12	-131.25	11.31	-1.43	-
136.04													
		100	0.62	-0.15	-1.85	-0.35	-1.64	0.55	290.61	-105.89	55.13	129.58	-
194.73													
		49	0.56	-0.99	-1.50	-1.36	-1.13	-0.22	150.87	-224.79	-159.96	86.03	-
141.96													
		101	0.27	-0.62	-0.91	-0.67	-0.86	0.11	4.67	-155.71	-148.74	-2.31	-32.70
31	51	102	0.51	1.72	-0.41	0.08	1.23	-0.89	222.70	-115.59	1.03	106.08	
160.79													
		100	0.69	3.13	-0.08	-0.02	3.07	-0.43	234.77	-239.00	-28.40	24.17	
235.42													
		49	0.67	3.21	1.49	1.49	3.21	9.82e-03	353.19	-72.15	208.22	72.81	
201.60													
		101	0.37	1.74	0.47	0.56	1.65	-0.33	242.11	60.54	186.75	115.91	83.59
31	52	102	0.30	0.47	-0.27	-0.27	0.47	0.02	100.82	-103.60	73.91	-76.69	69.11
		100	1.00	-0.41	-1.51	-1.04	-0.89	0.55	-38.59	-612.33	-48.44	-602.47	74.53
		49	1.06	0.72	-0.75	0.62	-0.66	-0.37	5.21	-623.17	-31.46	-586.50	-
147.31													
		101	0.59	1.24	-0.20	0.24	0.80	-0.66	155.05	-240.85	36.99	-122.79	-
181.12													
31	53	102	0.39	0.58	0.14	0.37	0.34	-0.22	192.91	-66.30	-59.59	186.20	-41.14
		100	1.28	3.49	1.18	1.45	3.22	-0.74	772.97	71.78	74.17	770.58	-40.82
		49	1.39	2.94	-0.38	-0.37	2.93	0.17	813.84	16.27	73.45	756.66	
205.76													
		101	0.80	0.34	-0.63	-0.29	3.88e-03	0.46	377.68	-147.99	-6.62	236.32	
233.08													
31	54	102	0.40	0.53	-0.92	0.02	-0.41	0.70	141.27	-124.55	13.29	3.44	-
132.82													
		100	0.63	0.48	-0.78	0.43	-0.73	0.24	305.68	-107.62	54.12	143.94	-
201.71													
		49	0.57	-0.83	-1.35	-1.24	-0.94	-0.21	160.14	-229.02	-166.23	97.35	-
143.15													
		101	0.28	-0.55	-0.90	-0.61	-0.84	0.13	3.86	-162.62	-156.38	-2.38	-31.62
31	55	102	0.54	1.73	-0.41	0.09	1.23	-0.90	232.94	-122.52	0.97	109.44	
169.25													

		100	0.72	3.14	-0.08	-0.02	3.08	-0.43	241.52	-252.28	-28.65	17.88	
245.80													
		49	0.69	3.22	1.52	1.52	3.22	0.01	364.51	-79.84	217.34	67.33	
209.13													
		101	0.39	1.75	0.50	0.59	1.66	-0.33	254.79	64.12	197.25	121.66	87.52
31	56	102	0.29	0.47	-0.28	-0.28	0.47	0.03	94.98	-101.07	73.97	-80.06	60.64
		100	0.98	-0.42	-1.52	-1.05	-0.90	0.54	-40.78	-603.60	-48.19	-596.19	64.15
		49	1.06	0.68	-0.77	0.58	-0.67	-0.37	0.64	-622.24	-40.57	-581.02	-
154.83													
		101	0.60	1.22	-0.22	0.21	0.79	-0.66	149.59	-251.65	26.48	-128.54	-
185.05													
31	57	102	0.39	0.59	0.14	0.38	0.35	-0.23	193.79	-63.86	-59.65	189.57	-32.68
		100	1.27	3.50	1.19	1.46	3.23	-0.74	765.63	72.58	73.92	764.29	-30.44
		49	1.39	2.95	-0.35	-0.34	2.94	0.17	813.43	20.33	82.57	751.18	
213.28													
		101	0.81	0.36	-0.60	-0.26	0.01	0.46	388.23	-142.27	3.88	242.07	
237.01													
31	58	102	0.43	0.54	-0.94	0.01	-0.42	0.70	148.15	-134.74	13.35	0.07	-
141.29													
		100	0.66	0.47	-0.79	0.43	-0.74	0.23	319.74	-115.14	54.37	150.22	-
212.09													
		49	0.60	-0.85	-1.38	-1.28	-0.95	-0.21	168.80	-241.32	-175.35	102.83	-
150.68													
		101	0.29	-0.57	-0.92	-0.64	-0.85	0.13	-0.53	-174.49	-166.89	-8.13	-35.55
31	59	102	0.90	3.05	-0.64	0.60	1.81	-1.74	420.57	-177.37	-104.60	347.80	
195.49													
		100	2.00	8.49	1.43	1.91	8.01	-1.78	1117.62	-64.27	30.66	1022.69	
321.22													
		49	2.45	7.71	1.83	1.88	7.67	0.51	1450.28	72.18	436.07	1086.40	
607.50													
		101	1.45	2.14	0.56	0.64	2.06	0.35	811.44	-88.31	288.35	434.79	
443.88													
31	60	102	0.68	0.67	-1.95	-0.58	-0.70	1.31	166.64	-289.74	138.33	-261.42	-
110.10													
		100	1.91	-0.95	-5.70	-1.47	-5.18	1.48	6.95	-1109.22	-36.16	-1066.12	-
215.06													
		49	2.36	-0.89	-5.34	-1.02	-5.21	-0.75	-67.28	-1406.91	-362.88	-1111.32	-
555.53													
		101	1.39	0.20	-1.38	-0.42	-0.76	-0.77	158.97	-730.71	-210.86	-360.87	-
438.47													
31	61	102	0.85	2.66	-0.46	0.69	1.51	-1.50	406.84	-159.92	-124.01	370.94	
138.06													
		100	2.22	7.98	1.42	1.88	7.52	-1.68	1284.83	11.28	61.88	1234.23	
248.77													
		49	2.69	7.53	1.22	1.27	7.48	0.55	1597.55	88.80	404.87	1281.48	
613.98													
		101	1.60	1.79	0.14	0.37	1.56	0.57	861.92	-146.29	241.22	474.41	
490.44													
31	62	102	0.74	0.82	-2.31	-0.49	-0.99	1.55	185.19	-304.56	118.92	-238.29	-
167.53													
		100	1.69	-0.97	-6.20	-1.50	-5.67	1.58	83.22	-942.73	-4.93	-854.58	-
287.51													
		49	2.13	-1.50	-5.53	-1.63	-5.40	-0.71	-47.19	-1263.12	-394.07	-916.24	-
549.05													
		101	1.25	-0.36	-1.59	-0.69	-1.25	-0.55	103.57	-682.81	-257.98	-321.26	-
391.91													
31	63	102	0.91	3.02	-0.63	0.60	1.79	-1.73	421.13	-178.99	-105.21	347.35	
197.07													
		100	2.00	8.18	1.24	1.68	7.74	-1.69	1114.80	-67.42	30.89	1016.49	
326.43													
		49	2.45	7.66	1.81	1.85	7.62	0.51	1450.12	71.92	440.68	1081.36	
610.12													
		101	1.46	2.13	0.56	0.64	2.06	0.34	815.59	-85.26	293.79	436.53	
444.74													
31	64	102	0.68	0.68	-1.97	-0.58	-0.71	1.32	165.29	-289.45	137.72	-261.87	-
108.52													
		100	1.92	-1.13	-6.03	-1.71	-5.45	1.58	4.95	-1113.19	-35.93	-1072.31	-
209.85													
		49	2.37	-0.92	-5.39	-1.05	-5.26	-0.75	-66.94	-1407.67	-358.26	-1116.35	-
552.91													
		101	1.39	0.20	-1.39	-0.43	-0.76	-0.78	162.04	-726.59	-205.42	-359.13	-
437.62													

31	65	102	0.85	2.69	-0.47	0.69	1.53	-1.52	406.54	-158.55	-123.40	371.39
136.49												
		100	2.23	8.30	1.61	2.12	7.78	-1.78	1288.76	13.31	61.65	1240.42
243.56												
		49	2.69	7.58	1.24	1.29	7.53	0.55	1598.45	88.31	400.25	1286.51
611.36												
		101	1.59	1.80	0.14	0.38	1.56	0.58	857.92	-149.49	235.78	472.66
489.58												
31	66	102	0.74	0.81	-2.28	-0.50	-0.98	1.53	186.86	-305.17	119.53	-237.84
169.10												
		100	1.69	-0.79	-5.88	-1.27	-5.40	1.49	86.50	-940.04	-5.16	-848.39
292.72												
		49	2.13	-1.48	-5.47	-1.61	-5.35	-0.70	-46.67	-1263.22	-398.69	-911.20
551.67												
		101	1.26	-0.36	-1.58	-0.68	-1.25	-0.54	100.68	-687.11	-263.43	-323.00
392.77												
31	67	102	0.97	3.10	-0.65	0.62	1.83	-1.77	449.35	-195.12	-104.80	359.03
223.72												
		100	2.02	8.52	1.46	1.93	8.04	-1.78	1118.09	-86.53	29.82	1001.73
355.84												
		49	2.48	7.77	1.94	1.99	7.72	0.52	1467.77	66.81	466.45	1068.14
632.59												
		101	1.50	2.17	0.67	0.75	2.09	0.33	850.28	-72.96	323.36	453.96
456.98												
31	68	102	0.74	0.67	-2.00	-0.61	-0.72	1.33	180.73	-314.86	138.52	-272.65
138.33												
		100	1.91	-0.98	-5.73	-1.50	-5.21	1.48	23.03	-1103.53	-35.32	-1045.17
249.68												
		49	2.39	-1.00	-5.40	-1.14	-5.26	-0.76	-65.27	-1421.05	-393.26	-1093.06
580.61												
		101	1.44	0.10	-1.42	-0.53	-0.79	-0.75	143.57	-769.49	-245.87	-380.05
451.57												
31	69	102	0.91	2.71	-0.47	0.71	1.54	-1.53	431.89	-173.93	-124.20	382.17
166.29												
		100	2.22	8.01	1.45	1.91	7.55	-1.68	1279.20	-4.88	61.05	1213.27
283.39												
		49	2.71	7.58	1.33	1.38	7.53	0.56	1610.67	87.80	435.25	1263.22
639.06												
		101	1.64	1.82	0.25	0.48	1.60	0.55	900.04	-130.22	276.24	493.58
503.54												
31	70	102	0.81	0.83	-2.36	-0.52	-1.02	1.57	203.67	-334.07	119.11	-249.52
195.75												
		100	1.71	-1.00	-6.23	-1.52	-5.71	1.58	106.30	-944.03	-4.10	-833.63
322.13												
		49	2.17	-1.61	-5.58	-1.75	-5.45	-0.72	-40.18	-1282.25	-424.46	-897.98
574.14												
		101	1.31	-0.46	-1.63	-0.80	-1.29	-0.53	89.00	-722.42	-292.99	-340.43
405.01												
31	71	102	0.98	3.07	-0.63	0.62	1.82	-1.75	449.97	-196.80	-105.41	358.58
225.30												
		100	2.01	8.21	1.27	1.70	7.77	-1.68	1115.62	-90.03	30.05	995.54
361.05												
		49	2.48	7.71	1.92	1.96	7.67	0.52	1467.87	66.29	471.07	1063.10
635.20												
		101	1.51	2.17	0.67	0.74	2.09	0.32	854.47	-69.96	328.80	455.71
457.84												
31	72	102	0.74	0.68	-2.03	-0.60	-0.74	1.35	179.25	-314.45	137.91	-273.10
136.75												
		100	1.92	-1.16	-6.05	-1.73	-5.48	1.57	20.65	-1107.11	-35.10	-1051.36
244.47												
		49	2.39	-1.03	-5.45	-1.16	-5.31	-0.76	-65.20	-1421.54	-388.64	-1098.09
578.00												
		101	1.44	0.11	-1.43	-0.53	-0.79	-0.76	146.59	-765.32	-240.43	-378.30
450.72												
31	73	102	0.91	2.74	-0.48	0.71	1.55	-1.55	431.49	-172.47	-123.59	382.62
164.72												
		100	2.23	8.33	1.63	2.14	7.82	-1.77	1282.79	-2.50	60.82	1219.47
278.18												
		49	2.71	7.64	1.36	1.41	7.58	0.56	1611.33	87.56	430.64	1268.25
636.45												
		101	1.64	1.83	0.25	0.49	1.60	0.56	896.00	-133.38	270.79	491.83
502.68												

31	74	102	0.81	0.81	-2.34	-0.52	-1.00	1.56	205.41	-334.75	119.72	-249.07	-197.33
		100	1.71	-0.82	-5.91	-1.29	-5.44	1.48	109.98	-941.74	-4.33	-827.44	-327.34
		49	2.17	-1.59	-5.53	-1.72	-5.40	-0.71	-39.37	-1282.64	-429.08	-892.94	-576.75
		101	1.31	-0.46	-1.62	-0.79	-1.29	-0.52	86.15	-726.77	-298.44	-342.18	-405.87
31	75	102	0.43	1.57	-0.36	0.07	1.13	-0.81	190.37	-88.15	3.83	98.40	130.99
		100	0.55	3.62	0.52	0.66	3.48	-0.64	201.59	-171.90	-21.89	51.58	183.09
		49	0.54	2.99	1.32	1.32	2.99	4.07e-04	294.45	-42.69	162.97	88.79	164.44
		101	0.30	1.51	0.41	0.48	1.44	-0.26	195.43	47.25	141.92	100.77	71.18
31	76	102	0.24	0.51	-0.22	-0.22	0.51	-0.05	86.04	-74.63	64.06	-52.64	55.22
		100	0.76	0.28	-0.24	-0.18	0.21	0.17	-32.66	-472.08	-38.46	-466.29	50.14
		49	0.83	0.71	-0.31	0.60	-0.20	-0.31	-1.35	-489.84	-35.11	-456.08	-123.90
		101	0.47	1.08	-0.12	0.22	0.74	-0.54	119.15	-197.49	18.15	-96.49	-147.58
31	77	102	0.33	0.46	0.17	0.32	0.31	-0.15	165.61	-53.19	-49.74	162.16	-27.26
		100	1.04	2.21	0.51	0.59	2.12	-0.37	634.87	63.72	64.19	634.39	-16.43
		49	1.16	2.48	-0.36	-0.36	2.47	0.11	681.28	22.06	77.10	626.24	182.35
		101	0.68	0.28	-0.48	-0.26	0.07	0.34	333.83	-111.60	12.21	210.02	199.55
31	78	102	0.32	0.49	-0.78	0.03	-0.31	0.61	113.83	-92.22	10.49	11.12	-103.02
		100	0.48	-0.07	-1.33	-0.25	-1.15	0.44	235.38	-71.23	47.62	116.52	-149.39
		49	0.43	-0.63	-1.17	-1.08	-0.72	-0.20	126.73	-166.33	-120.98	81.37	-105.99
		101	0.21	-0.50	-0.66	-0.53	-0.63	0.07	15.66	-114.45	-111.55	12.76	-19.21
31	79	102	0.45	1.58	-0.36	0.08	1.13	-0.82	198.80	-93.85	3.78	101.18	137.98
		100	0.57	3.63	0.53	0.66	3.49	-0.64	206.85	-182.57	-22.10	46.39	191.68
		49	0.56	3.01	1.35	1.35	3.01	2.61e-03	303.40	-48.64	170.50	84.26	170.66
		101	0.31	1.52	0.43	0.51	1.45	-0.27	205.82	50.30	150.60	105.53	74.42
31	80	102	0.23	0.50	-0.23	-0.22	0.50	-0.04	81.13	-72.46	64.10	-55.43	48.22
		100	0.75	0.27	-0.25	-0.19	0.21	0.17	-34.21	-465.14	-38.26	-461.09	41.56
		49	0.82	0.68	-0.32	0.57	-0.21	-0.31	-4.75	-489.45	-42.64	-451.55	-130.12
		101	0.48	1.06	-0.14	0.19	0.73	-0.54	114.78	-206.55	9.47	-101.24	-150.83
31	81	102	0.33	0.47	0.17	0.33	0.31	-0.15	166.83	-51.68	-49.79	164.94	-20.26
		100	1.03	2.21	0.51	0.60	2.13	-0.37	629.31	63.87	63.98	629.20	-7.85
		49	1.15	2.49	-0.33	-0.33	2.48	0.12	681.31	25.04	84.63	621.71	188.57
		101	0.69	0.29	-0.46	-0.24	0.07	0.34	342.61	-106.94	20.89	214.77	202.79
31	82	102	0.34	0.49	-0.79	0.02	-0.32	0.62	119.46	-100.59	10.54	8.33	-110.02
		100	0.51	-0.07	-1.33	-0.25	-1.16	0.44	247.00	-77.46	47.83	121.72	-157.97
		49	0.46	-0.65	-1.19	-1.11	-0.73	-0.20	133.89	-176.49	-128.51	85.90	-112.21
		101	0.22	-0.51	-0.68	-0.55	-0.64	0.07	11.82	-124.05	-120.23	8.00	-22.46
31	83	102	0.44	1.49	-0.33	0.08	1.09	-0.76	193.07	-93.77	2.14	97.15	135.32
		100	0.58	2.79	-0.04	0.01	2.74	-0.38	206.03	-192.78	-21.26	34.52	197.44
		49	0.57	2.85	1.25	1.25	2.85	-9.13e-03	304.19	-53.59	175.69	74.91	171.64
		101	0.32	1.51	0.38	0.46	1.43	-0.29	209.12	53.37	156.91	105.58	73.52
31	84	102	0.25	0.46	-0.22	-0.22	0.46	-9.12e-04	87.46	-78.98	62.37	-53.89	59.56
		100	0.80	-0.22	-1.14	-0.82	-0.53	0.43	-28.69	-492.49	-37.83	-483.35	64.49
		49	0.85	0.64	-0.45	0.53	-0.34	-0.32	6.21	-498.56	-22.39	-469.96	-116.69
		101	0.47	1.09	-0.16	0.20	0.73	-0.56	128.80	-187.35	33.14	-91.69	-

145.23													
31	85	102	0.34	0.53	0.14	0.32	0.35	-0.20	168.02	-52.67	-48.05	163.40	-31.59
		100	1.08	3.08	1.02	1.23	2.87	-0.63	653.06	61.95	63.56	651.45	-30.78
		49	1.18	2.62	-0.30	-0.29	2.62	0.12	689.21	15.28	64.38	640.12	
175.15													
		101	0.68	0.31	-0.48	-0.24	0.07	0.37	324.16	-121.72	-2.78	205.22	
197.20													
31	86	102	0.33	0.46	-0.70	0.03	-0.27	0.56	119.63	-95.09	12.18	12.36	-
107.36													
		100	0.52	0.43	-0.44	0.40	-0.40	0.18	259.65	-79.08	46.99	133.58	-
163.74													
		49	0.48	-0.51	-1.08	-1.01	-0.58	-0.19	141.77	-180.21	-133.70	95.25	-
113.19													
		101	0.23	-0.46	-0.67	-0.51	-0.63	0.09	11.32	-129.91	-126.54	7.95	-21.56
31	87	102	0.46	1.50	-0.33	0.08	1.09	-0.76	201.51	-99.48	2.09	99.94	
142.32													
		100	0.61	2.80	-0.03	0.02	2.75	-0.37	211.51	-203.66	-21.47	29.33	
206.03													
		49	0.59	2.86	1.28	1.28	2.86	-6.93e-03	313.40	-59.80	183.22	70.38	
177.86													
		101	0.33	1.52	0.40	0.49	1.44	-0.29	219.55	56.37	165.59	110.33	76.77
31	88	102	0.24	0.46	-0.22	-0.22	0.46	6.29e-03	82.30	-76.55	62.42	-56.67	52.56
		100	0.79	-0.23	-1.14	-0.83	-0.54	0.43	-30.64	-485.14	-37.63	-478.15	55.91
		49	0.84	0.61	-0.46	0.51	-0.36	-0.32	2.38	-497.73	-29.92	-465.43	-
122.91													
		101	0.48	1.07	-0.18	0.17	0.72	-0.56	124.33	-196.30	24.46	-96.44	-
148.48													
31	89	102	0.34	0.55	0.14	0.32	0.36	-0.20	168.97	-50.89	-48.10	166.18	-24.60
		100	1.07	3.09	1.03	1.24	2.87	-0.63	647.10	62.51	63.35	646.26	-22.20
		49	1.18	2.63	-0.27	-0.26	2.63	0.13	688.91	18.60	71.91	635.59	
181.37													
		101	0.68	0.32	-0.46	-0.22	0.08	0.36	332.86	-116.99	5.90	209.97	
200.45													
31	90	102	0.35	0.46	-0.71	0.02	-0.28	0.57	125.27	-103.46	12.23	9.58	-
114.36													
		100	0.55	0.43	-0.45	0.39	-0.41	0.18	271.28	-85.31	47.20	138.78	-
172.32													
		49	0.50	-0.52	-1.11	-1.04	-0.59	-0.19	148.92	-190.37	-141.23	99.78	-
119.41													
		101	0.24	-0.48	-0.69	-0.53	-0.63	0.09	7.51	-139.53	-135.22	3.20	-24.81
31	91	102	0.76	2.59	-0.52	0.50	1.57	-1.46	357.66	-145.92	-85.19	296.92	
163.99													
		100	1.68	7.22	1.22	1.61	6.82	-1.49	938.78	-51.47	27.57	859.74	
268.37													
		49	2.05	6.57	1.54	1.57	6.54	0.40	1214.82	61.76	364.00	912.57	
507.11													
		101	1.22	1.83	0.47	0.53	1.77	0.27	681.85	-71.79	240.91	369.15	
371.32													
31	92	102	0.55	0.57	-1.55	-0.47	-0.51	1.06	138.32	-229.28	115.58	-206.54	-88.56
		100	1.55	-0.74	-4.52	-1.18	-4.08	1.21	7.31	-901.45	-27.66	-866.48	-
174.80													
		49	1.92	-0.71	-4.23	-0.82	-4.11	-0.64	-53.71	-1146.19	-296.25	-903.65	-
454.03													
		101	1.14	0.21	-1.11	-0.35	-0.55	-0.65	132.58	-592.61	-171.63	-288.39	-
357.87													
31	93	102	0.72	2.26	-0.37	0.58	1.32	-1.26	346.38	-131.59	-101.26	316.05	
116.52													
		100	1.86	6.79	1.21	1.59	6.41	-1.41	1077.06	10.92	53.39	1034.59	
208.51													
		49	2.25	6.41	1.03	1.07	6.38	0.44	1336.82	75.23	338.24	1073.81	
512.48													
		101	1.34	1.53	0.14	0.31	1.36	0.46	723.81	-119.89	202.00	401.92	
409.83													
31	94	102	0.60	0.70	-1.85	-0.40	-0.75	1.26	153.75	-241.65	99.51	-187.41	-
136.03													
		100	1.37	-0.76	-4.93	-1.20	-4.49	1.29	70.42	-763.90	-1.84	-691.64	-
234.66													
		49	1.74	-1.21	-4.38	-1.33	-4.26	-0.60	-36.76	-1027.67	-322.01	-742.41	-
448.65													
		101	1.02	-0.26	-1.28	-0.58	-0.97	-0.47	87.07	-553.23	-210.54	-255.62	-
319.35													
31	95	102	0.76	2.56	-0.51	0.50	1.55	-1.44	358.12	-147.26	-85.69	296.55	

165.30													
		100	1.68	6.96	1.06	1.42	6.60	-1.41	936.45	-54.07	27.75	854.63	
272.67													
		49	2.05	6.52	1.52	1.55	6.49	0.40	1214.67	61.56	367.82	908.41	
509.27													
		101	1.22	1.82	0.47	0.52	1.77	0.27	685.25	-69.26	245.40	370.59	
372.03													
31	96	102	0.55	0.58	-1.57	-0.47	-0.52	1.08	137.20	-229.04	115.07	-206.91	-87.26
		100	1.56	-0.89	-4.79	-1.38	-4.30	1.29	5.66	-904.74	-27.47	-871.60	-
170.50													
		49	1.93	-0.73	-4.27	-0.84	-4.15	-0.64	-53.45	-1146.80	-292.43	-907.81	-
451.87													
		101	1.13	0.21	-1.12	-0.36	-0.56	-0.66	135.11	-589.19	-167.14	-286.95	-
357.16													
31	97	102	0.72	2.28	-0.38	0.58	1.33	-1.28	346.13	-130.46	-100.75	316.43	
115.22													
		100	1.87	7.06	1.37	1.79	6.64	-1.49	1080.31	12.60	53.20	1039.71	
204.21													
		49	2.25	6.46	1.05	1.09	6.42	0.44	1337.58	74.82	334.43	1077.97	
510.32													
		101	1.34	1.54	0.14	0.31	1.36	0.46	720.52	-122.54	197.50	400.48	
409.13													
31	98	102	0.60	0.69	-1.83	-0.40	-0.74	1.25	155.13	-242.16	100.01	-187.04	-
137.33													
		100	1.37	-0.61	-4.66	-1.01	-4.26	1.21	73.14	-761.69	-2.03	-686.52	-
238.97													
		49	1.74	-1.19	-4.34	-1.31	-4.22	-0.60	-36.30	-1027.78	-325.83	-738.25	-
450.82													
		101	1.02	-0.26	-1.27	-0.57	-0.96	-0.46	84.70	-556.80	-215.04	-257.06	-
320.06													
31	99	102	0.82	2.63	-0.52	0.52	1.59	-1.48	381.39	-160.53	-85.35	306.21	
187.32													
		100	1.69	7.24	1.24	1.63	6.85	-1.48	939.11	-69.80	26.88	842.43	
296.97													
		49	2.08	6.61	1.63	1.67	6.58	0.41	1229.15	57.45	389.11	897.48	
527.84													
		101	1.26	1.85	0.56	0.62	1.80	0.26	713.88	-59.04	269.84	385.00	
382.15													
31	100	102	0.60	0.58	-1.59	-0.49	-0.53	1.09	149.96	-250.04	115.74	-215.82	-
111.88													
		100	1.55	-0.77	-4.54	-1.20	-4.10	1.21	20.59	-896.74	-26.98	-849.17	-
203.41													
		49	1.94	-0.80	-4.27	-0.92	-4.15	-0.64	-51.95	-1157.97	-321.36	-888.56	-
474.76													
		101	1.17	0.13	-1.15	-0.44	-0.58	-0.64	119.92	-624.72	-200.56	-304.24	-
368.69													
31	101	102	0.77	2.30	-0.37	0.59	1.34	-1.28	367.08	-143.16	-101.42	325.33	
139.85													
		100	1.86	6.82	1.24	1.61	6.44	-1.40	1072.41	-2.43	52.70	1017.28	
237.12													
		49	2.27	6.46	1.12	1.16	6.42	0.45	1347.59	74.49	363.35	1058.72	
533.21													
		101	1.38	1.56	0.23	0.39	1.39	0.44	755.26	-106.56	230.93	417.77	
420.66													
31	102	102	0.66	0.70	-1.89	-0.42	-0.77	1.28	169.09	-266.12	99.67	-196.69	-
159.36													
		100	1.39	-0.78	-4.96	-1.22	-4.51	1.29	89.58	-765.06	-1.15	-674.33	-
263.27													
		49	1.77	-1.30	-4.43	-1.42	-4.31	-0.61	-30.80	-1043.64	-347.12	-727.32	-
469.38													
		101	1.06	-0.34	-1.31	-0.66	-1.00	-0.45	75.10	-586.04	-239.48	-271.47	-
330.18													
31	103	102	0.82	2.61	-0.51	0.52	1.57	-1.47	381.90	-161.92	-85.85	305.83	
188.62													
		100	1.69	6.98	1.08	1.44	6.63	-1.41	937.06	-72.68	27.07	837.31	
301.28													
		49	2.07	6.57	1.61	1.65	6.53	0.41	1229.21	57.04	392.93	893.32	
530.00													
		101	1.26	1.85	0.56	0.61	1.80	0.25	717.32	-56.55	274.34	386.44	
382.85													
31	104	102	0.60	0.59	-1.62	-0.49	-0.54	1.10	148.74	-249.70	115.23	-216.19	-
110.58													

		100	1.56	-0.91	-4.81	-1.40	-4.33	1.28	18.62	-899.70	-26.79	-854.29	-199.10
		49	1.95	-0.82	-4.32	-0.94	-4.19	-0.65	-51.91	-1158.35	-317.54	-892.72	-472.60
		101	1.17	0.13	-1.16	-0.45	-0.59	-0.64	122.40	-621.27	-196.07	-302.80	-367.99
31	105	102	0.77	2.33	-0.38	0.59	1.35	-1.30	366.75	-141.96	-100.91	325.71	138.55
		100	1.87	7.08	1.39	1.81	6.66	-1.48	1075.38	-0.47	52.51	1022.39	232.81
		49	2.27	6.50	1.14	1.18	6.46	0.45	1348.14	74.27	359.54	1062.88	531.05
		101	1.37	1.56	0.23	0.40	1.39	0.45	751.93	-109.17	226.43	416.33	419.95
31	106	102	0.66	0.69	-1.87	-0.42	-0.76	1.27	170.53	-266.68	100.17	-196.32	-160.66
		100	1.39	-0.63	-4.69	-1.03	-4.29	1.21	92.63	-763.18	-1.34	-669.21	-267.57
		49	1.77	-1.28	-4.39	-1.40	-4.26	-0.61	-30.10	-1043.99	-350.94	-723.16	-471.55
		101	1.07	-0.35	-1.30	-0.66	-0.99	-0.45	72.76	-589.64	-243.97	-272.91	-330.89
38	1	21	0.19	0.30	-0.12	-0.06	0.23	0.15	79.61	-48.50	-35.84	66.94	38.23
		105	0.12	0.24	-0.15	-0.07	0.16	0.15	41.52	-40.92	-40.92	41.52	-0.04
		107	0.26	0.50	0.16	0.41	0.26	0.15	22.67	-139.20	-138.53	22.00	-10.42
		61	0.28	0.53	0.21	0.42	0.33	0.15	51.62	-137.64	-133.44	47.42	27.86
38	2	21	0.71	2.62	0.50	2.51	0.62	0.48	285.72	-194.77	-139.94	230.88	152.77
		105	0.43	2.78	1.08	2.63	1.23	0.48	108.32	-174.04	-166.05	100.33	46.81
		107	0.80	2.80	1.09	2.65	1.24	0.48	46.38	-436.33	-436.25	46.30	-6.45
		61	0.94	2.64	0.50	2.52	0.62	0.48	193.26	-426.55	-410.14	176.85	99.51
38	3	21	0.14	0.21	-0.13	-0.09	0.17	0.11	57.35	-34.55	-25.60	48.40	27.25
		105	0.09	0.15	-0.16	-0.11	0.10	0.11	30.84	-29.13	-29.12	30.83	-0.92
		107	0.19	0.35	0.11	0.27	0.18	0.11	17.02	-101.50	-100.94	16.46	-8.09
		61	0.21	0.38	0.15	0.29	0.25	0.11	37.04	-100.43	-97.43	34.04	20.08
38	4	21	0.66	2.57	0.46	2.47	0.56	0.44	263.47	-180.84	-129.71	212.34	141.79
		105	0.40	2.72	1.05	2.60	1.18	0.44	98.01	-162.61	-154.25	89.64	45.94
		107	0.73	2.64	1.03	2.51	1.16	0.44	40.80	-398.70	-398.66	40.76	-4.12
		61	0.86	2.49	0.44	2.39	0.54	0.44	178.68	-389.34	-374.12	163.46	91.73
38	5	21	0.14	0.22	-0.11	-0.07	0.17	0.11	59.55	-36.11	-26.71	50.15	28.47
		105	0.09	0.17	-0.13	-0.08	0.12	0.11	31.46	-30.45	-30.45	31.46	-0.42
		107	0.19	0.37	0.12	0.30	0.19	0.11	17.26	-104.65	-104.12	16.72	-8.05
		61	0.21	0.40	0.16	0.31	0.25	0.11	38.54	-103.51	-100.38	35.42	20.84
38	6	21	0.49	1.73	0.35	1.64	0.43	0.34	196.94	-133.62	-96.12	159.44	104.83
		105	0.30	1.84	0.72	1.72	0.83	0.34	75.68	-118.88	-113.87	70.67	30.82
		107	0.56	1.89	0.74	1.79	0.84	0.34	33.01	-302.68	-302.60	32.92	-5.40
		61	0.65	1.79	0.36	1.71	0.45	0.34	132.97	-296.11	-284.84	121.70	68.61
38	7	21	0.14	0.22	-0.11	-0.07	0.17	0.11	59.55	-36.11	-26.71	50.15	28.47
		105	0.09	0.17	-0.13	-0.08	0.12	0.11	31.46	-30.45	-30.45	31.46	-0.42
		107	0.19	0.37	0.12	0.30	0.19	0.11	17.26	-104.65	-104.12	16.72	-8.05
		61	0.21	0.40	0.16	0.31	0.25	0.11	38.54	-103.51	-100.38	35.42	20.84
38	8	21	0.38	1.22	0.27	1.13	0.36	0.27	155.71	-104.35	-75.29	126.66	81.92
		105	0.23	1.29	0.51	1.18	0.62	0.27	61.95	-91.90	-88.85	58.90	21.45
		107	0.45	1.43	0.55	1.34	0.65	0.27	28.20	-243.19	-243.05	28.06	-6.19
		61	0.52	1.36	0.31	1.29	0.39	0.27	104.63	-238.32	-229.50	95.81	54.28
38	9	21	0.14	0.22	-0.11	-0.07	0.17	0.11	59.55	-36.11	-26.71	50.15	28.47
		105	0.09	0.17	-0.13	-0.08	0.12	0.11	31.46	-30.45	-30.45	31.46	-0.42
		107	0.19	0.37	0.12	0.30	0.19	0.11	17.26	-104.65	-104.12	16.72	-8.05
		61	0.21	0.40	0.16	0.31	0.25	0.11	38.54	-103.51	-100.38	35.42	20.84
38	10	21	0.35	1.05	0.24	0.96	0.33	0.25	141.97	-94.59	-68.35	115.73	74.29
		105	0.21	1.11	0.44	1.00	0.54	0.25	57.42	-82.94	-80.50	54.98	18.33
		107	0.41	1.28	0.49	1.19	0.58	0.25	26.61	-223.37	-223.20	26.44	-6.46
		61	0.48	1.22	0.30	1.15	0.37	0.25	95.19	-219.06	-211.06	87.19	49.50
38	11	21	0.19	10.05	4.03	10.05	4.03	0.11	66.90	-9.68	5.09	52.13	30.21
		105	0.45	11.15	-0.73	10.07	0.34	-3.41	93.39	-129.08	-17.75	-17.94	-111.23
		107	0.36	6.34	-2.63	4.83	-1.12	-3.36	34.74	-146.98	-73.26	-38.98	-89.23
		61	0.18	8.71	5.19	5.60	8.30	-1.13	-17.72	-46.18	-40.73	-23.16	11.19
38	12	21	1.16	20.66	0.69	20.65	0.70	-0.48	32.19	-496.61	-460.94	-3.48	-132.63

		105	1.11	24.76	-3.87	21.46	-0.57	-9.14	-55.12	-498.43	-482.76	-70.78	-81.85
		107	0.44	7.88	-8.26	2.80	-3.18	-7.50	24.17	-170.92	-144.98	-1.77	-66.24
		61	0.49	2.85	2.37	2.85	2.37	-3.19e-03	109.89	-214.35	-115.36	10.91	-
149.32													
38	13	21	1.08	4.44e-03	-18.78	-18.73	-0.05	0.97	564.31	-5.15	324.23	234.94	
281.21													
		105	0.76	5.39	-23.19	-19.46	1.66	9.63	389.14	113.36	321.76	180.75	
118.50													
		107	0.72	10.30	-6.38	-0.42	4.34	7.99	62.46	-309.25	-301.43	54.65	53.32
		61	1.00	-0.36	-1.83	-0.55	-1.64	0.50	270.33	-413.61	-306.75	163.47	
248.33													
38	14	21	0.64	-3.34	-8.16	-8.13	-3.37	0.38	218.24	-180.71	-141.80	179.33	
118.36													
		105	0.75	2.23	-9.55	-8.07	0.74	3.91	192.95	-208.30	-143.25	127.90	
147.88													
		107	0.84	4.44	-4.60	-2.45	2.28	3.85	104.07	-385.35	-373.15	91.87	76.31
		61	0.92	-2.76	-8.12	-3.31	-7.57	1.62	210.56	-394.41	-381.38	197.53	87.82
38	15	21	0.21	10.73	3.92	10.72	3.92	0.10	76.69	-11.88	7.55	57.26	36.65
		105	0.47	11.99	-0.92	10.79	0.27	-3.74	97.41	-132.78	-16.55	-18.82	-
115.09													
		107	0.30	6.45	-2.92	4.75	-1.22	-3.61	11.93	-121.21	-69.34	-39.94	-64.93
		61	0.18	8.42	5.11	5.50	8.03	-1.07	-11.61	-44.87	-35.44	-21.04	14.99
38	16	21	1.16	19.99	0.81	19.98	0.82	-0.46	30.54	-502.56	-463.40	-8.62	-
139.07													
		105	1.10	23.93	-3.67	20.75	-0.49	-8.81	-55.69	-498.17	-483.97	-69.89	-77.99
		107	0.50	7.73	-7.93	2.87	-3.07	-7.25	42.11	-191.81	-148.90	-0.81	-90.53
		61	0.50	2.96	2.64	2.95	2.65	-0.06	110.30	-222.17	-120.65	8.79	-
153.12													
38	17	21	1.09	-0.11	-18.11	-18.06	-0.16	0.95	574.27	-7.51	326.69	240.08	
287.65													
		105	0.75	5.20	-22.36	-18.74	1.58	9.31	386.55	116.27	322.96	179.86	
114.64													
		107	0.75	9.97	-6.22	-0.49	4.24	7.74	70.08	-313.90	-297.51	53.69	77.62
		61	1.00	-0.45	-2.13	-0.66	-1.92	0.56	275.72	-411.59	-301.46	165.59	
252.13													
38	18	21	0.64	-3.23	-8.83	-8.80	-3.26	0.40	209.59	-179.66	-144.26	174.19	
111.92													
		105	0.78	2.42	-10.39	-8.78	0.82	4.24	196.35	-212.02	-144.46	128.79	
151.74													
		107	0.83	4.75	-4.73	-2.37	2.39	4.10	98.51	-382.76	-377.07	92.82	52.01
		61	0.92	-2.67	-7.82	-3.20	-7.29	1.56	207.30	-398.56	-386.67	195.41	84.02
38	19	21	0.20	10.87	4.20	10.86	4.20	0.09	63.91	-13.21	2.61	48.09	31.15
		105	0.47	12.18	-1.05	10.95	0.17	-3.84	95.37	-136.56	-21.29	-19.89	-
115.96													
		107	0.38	6.44	-2.99	4.69	-1.24	-3.66	38.71	-147.56	-70.65	-38.20	-91.71
		61	0.19	9.14	5.10	5.54	8.70	-1.26	-17.27	-48.03	-38.69	-26.61	14.14
38	20	21	1.18	21.48	0.86	21.47	0.87	-0.50	27.78	-498.72	-463.41	-7.53	-
131.70													
		105	1.13	25.79	-4.19	22.34	-0.74	-9.56	-55.34	-503.70	-486.30	-72.73	-86.58
		107	0.46	8.04	-8.67	2.66	-3.29	-7.80	26.92	-170.27	-142.36	-0.98	-68.73
		61	0.47	2.91	2.64	2.79	2.76	-0.14	105.41	-211.27	-113.32	7.46	-
146.37													
38	21	21	1.09	-0.17	-19.60	-19.55	-0.22	0.99	566.53	-0.84	326.71	238.98	
280.27													
		105	0.78	5.71	-24.22	-20.34	1.83	10.06	396.36	111.63	325.30	182.70	
123.23													
		107	0.73	10.72	-6.54	-0.28	4.46	8.30	62.37	-312.55	-304.05	53.87	55.81
		61	0.99	-0.27	-2.26	-0.50	-2.03	0.63	270.80	-412.68	-308.80	166.91	
245.38													
38	22	21	0.65	-3.51	-8.97	-8.94	-3.54	0.40	221.57	-177.53	-139.32	183.37	
117.42													
		105	0.78	2.55	-10.58	-8.95	0.92	4.33	198.68	-208.54	-139.71	129.85	
152.61													
		107	0.85	4.83	-4.74	-2.31	2.40	4.16	104.02	-388.70	-375.76	91.08	78.79
		61	0.93	-2.66	-8.54	-3.25	-7.96	1.75	213.05	-395.50	-383.42	200.98	84.87
38	23	21	0.22	11.54	4.09	11.54	4.09	0.07	73.79	-15.49	5.07	53.22	37.59
		105	0.50	13.01	-1.24	11.67	0.10	-4.16	99.39	-140.25	-20.09	-20.77	-
119.82													
		107	0.32	6.56	-3.28	4.62	-1.34	-3.91	15.87	-121.75	-66.73	-39.16	-67.42
		61	0.19	8.84	5.02	5.44	8.42	-1.20	-10.46	-47.42	-33.40	-24.49	17.94
38	24	21	1.17	20.80	0.98	20.79	0.99	-0.48	26.12	-504.66	-465.87	-12.66	-
138.14													

		105	1.12	24.95	-4.00	21.62	-0.67	-9.23	-55.99	-503.37	-487.51	-71.84	-82.72
		107	0.52	7.89	-8.34	2.74	-3.19	-7.55	45.17	-191.48	-146.28	-0.02	-93.02
		61	0.48	3.17	2.76	2.89	3.04	-0.19	105.82	-219.09	-118.61	5.34	-
150.17													
38	25	21	1.09	-0.28	-18.92	-18.87	-0.33	0.98	576.49	-3.21	329.16	244.12	
286.71													
		105	0.77	5.52	-23.38	-19.62	1.76	9.73	393.74	114.57	326.50	181.81	
119.37													
		107	0.76	10.39	-6.39	-0.36	4.35	8.05	70.23	-317.45	-300.13	52.91	80.10
		61	1.00	-0.35	-2.55	-0.60	-2.31	0.69	276.15	-410.62	-303.51	169.03	
249.17													
38	26	21	0.65	-3.40	-9.65	-9.62	-3.43	0.42	212.95	-176.50	-141.78	178.23	
110.98													
		105	0.81	2.74	-11.41	-9.66	0.99	4.66	202.11	-212.29	-140.92	130.74	
156.47													
		107	0.84	5.14	-4.87	-2.24	2.51	4.41	98.25	-385.90	-379.68	92.04	54.50
		61	0.93	-2.58	-8.25	-3.14	-7.68	1.70	209.84	-399.70	-388.72	198.86	81.07
38	27	21	1.49	6.55	-12.46	-12.39	6.48	1.11	811.09	30.39	660.49	180.99	
308.05													
		105	1.30	5.15	-16.83	-13.55	1.87	7.83	651.46	105.38	643.58	113.25	-65.11
		107	0.39	9.82	-1.27	5.36	3.19	5.44	7.35	-126.43	-69.45	-49.63	-66.15
		61	0.89	12.36	6.04	6.65	11.74	-1.87	260.35	-304.71	-46.78	2.41	
281.45													
38	28	21	2.01	22.97	-4.63	22.95	-4.60	-0.87	53.84	-951.16	-892.94	-4.38	-
234.78													
		105	1.92	28.66	-5.42	24.41	-1.17	-11.25	-61.62	-907.72	-906.44	-62.89	32.84
		107	0.66	5.89	-10.96	-1.40	-3.66	-8.35	74.71	-308.79	-308.51	74.42	10.47
		61	1.04	-1.93	-8.61	-2.51	-8.03	1.88	236.78	-416.34	-295.53	115.97	-
253.59													
38	29	21	1.83	5.33	-21.10	-21.03	5.26	1.36	959.35	32.72	756.23	235.83	
383.35													
		105	1.54	6.96	-27.11	-22.41	2.26	11.75	745.46	172.83	745.44	172.86	3.81
		107	0.41	13.17	-4.55	3.79	4.83	8.85	-17.02	-142.43	-137.90	-21.54	-23.39
		61	1.09	9.20	4.37	4.81	8.76	-1.38	330.44	-398.61	-126.58	58.40	
352.60													
38	30	21	1.72	14.33	-5.84	14.31	-5.82	-0.61	79.47	-826.21	-797.20	50.46	-
159.48													
		105	1.68	18.37	-3.59	15.55	-0.78	-7.34	9.43	-817.31	-804.59	-3.29	
101.76													
		107	0.76	2.47	-7.47	-2.98	-2.03	-4.95	108.35	-382.80	-376.96	102.51	53.23
		61	1.07	-3.60	-11.77	-4.36	-11.01	2.37	227.20	-430.58	-375.34	171.96	-
182.45													
38	31	21	1.49	6.60	-12.21	-12.15	6.53	1.10	810.48	29.04	659.75	179.78	
308.33													
		105	1.29	5.05	-16.52	-13.28	1.81	7.71	650.75	104.44	642.52	112.67	-66.53
		107	0.39	9.69	-1.22	5.32	3.15	5.35	8.56	-126.62	-68.67	-49.39	-66.90
		61	0.89	12.49	6.01	6.64	11.86	-1.91	260.95	-305.73	-46.16	1.38	
282.34													
38	32	21	2.02	23.22	-4.58	23.19	-4.55	-0.88	52.52	-951.80	-893.68	-5.59	-
234.49													
		105	1.93	28.97	-5.51	24.68	-1.22	-11.38	-62.31	-908.67	-907.51	-63.48	31.42
		107	0.66	5.95	-11.09	-1.44	-3.70	-8.44	74.91	-307.97	-307.72	74.66	9.72
		61	1.03	-1.96	-8.48	-2.53	-7.91	1.84	235.36	-415.34	-294.92	114.94	-
252.70													
38	33	21	1.83	5.28	-21.34	-21.27	5.21	1.37	959.96	34.06	756.97	237.05	
383.07													
		105	1.55	7.06	-27.42	-22.67	2.31	11.88	746.55	173.39	746.50	173.44	5.23
		107	0.41	13.30	-4.61	3.83	4.86	8.94	-17.54	-142.92	-138.69	-21.78	-22.64
		61	1.09	9.07	4.40	4.83	8.64	-1.34	330.00	-397.76	-127.19	59.44	
351.71													
38	34	21	1.72	14.09	-5.89	14.07	-5.87	-0.60	80.77	-825.55	-796.46	51.67	-
159.76													
		105	1.68	18.06	-3.50	15.29	-0.73	-7.21	10.38	-816.61	-803.53	-2.70	
103.18													
		107	0.76	2.41	-7.34	-2.94	-1.99	-4.85	108.27	-383.74	-377.74	102.28	53.98
		61	1.07	-3.58	-11.89	-4.34	-11.13	2.41	228.59	-431.55	-375.95	172.99	-
183.33													
38	35	21	1.50	6.17	-10.21	-10.14	6.11	1.04	838.29	28.51	668.68	198.12	
329.52													
		105	1.27	4.52	-14.06	-11.16	1.63	6.74	658.69	99.21	647.60	110.30	-77.97
		107	0.19	8.73	-0.77	5.11	2.84	4.61	-39.66	-69.54	-56.39	-52.82	14.83
		61	0.91	11.37	5.76	6.32	10.82	-1.68	284.91	-304.57	-29.14	9.48	

294.11													
	38	36	21	2.00	20.72	-4.25	20.70	-4.22	-0.81	47.69	-970.33	-901.13	-21.51	-
256.24														
			105	1.89	25.88	-4.78	22.02	-0.93	-10.16	-57.49	-912.91	-910.46	-59.94	45.70
			107	0.73	5.36	-9.84	-1.16	-3.32	-7.52	89.71	-333.66	-321.57	77.62	-70.52
			61	1.07	-1.66	-7.62	-2.18	-7.10	1.68	237.60	-441.87	-313.17	108.90	-
266.24														
	38	37	21	1.84	4.95	-18.85	-18.78	4.88	1.30	987.52	29.87	764.42	252.96	
404.81														
			105	1.51	6.33	-24.33	-20.02	2.02	10.66	749.60	169.76	749.46	169.90	-9.05
			107	0.43	12.04	-4.02	3.54	4.48	8.02	1.52	-151.09	-124.84	-24.73	57.60
			61	1.12	8.21	4.09	4.47	7.83	-1.19	353.78	-397.25	-108.94	65.47	
365.25														
	38	38	21	1.70	12.08	-5.46	12.06	-5.45	-0.55	70.71	-842.76	-805.39	33.34	-
180.94														
			105	1.65	15.59	-2.96	13.16	-0.54	-6.25	15.61	-824.55	-808.61	-0.33	
114.62														
			107	0.81	1.95	-6.36	-2.73	-1.68	-4.12	107.25	-391.57	-390.02	105.71	-27.75
			61	1.09	-3.33	-10.78	-4.02	-10.08	2.17	226.35	-454.44	-392.98	164.89	-
195.10														
	38	39	21	1.50	6.22	-9.97	-9.90	6.16	1.04	837.68	27.16	667.94	196.90	
329.80														
			105	1.26	4.43	-13.75	-10.89	1.57	6.62	658.04	98.22	646.54	109.71	-79.39
			107	0.18	8.60	-0.72	5.07	2.81	4.52	-39.93	-68.26	-55.60	-52.59	14.09
			61	0.92	11.50	5.73	6.30	10.93	-1.72	285.53	-305.61	-28.52	8.45	
294.99														
	38	40	21	2.00	20.97	-4.20	20.94	-4.17	-0.81	46.37	-970.97	-901.87	-22.72	-
255.96														
			105	1.90	26.18	-4.88	22.29	-0.98	-10.29	-58.22	-913.82	-911.53	-60.52	44.28
			107	0.73	5.42	-9.97	-1.20	-3.35	-7.62	90.21	-333.14	-320.79	77.85	-71.26
			61	1.06	-1.68	-7.49	-2.20	-6.98	1.65	236.19	-440.88	-312.56	107.87	-
265.36														
	38	41	21	1.84	4.90	-19.09	-19.02	4.83	1.31	988.13	31.21	765.17	254.17	
404.53														
			105	1.52	6.43	-24.64	-20.28	2.07	10.78	750.62	170.39	750.52	170.49	-7.63
			107	0.44	12.17	-4.08	3.58	4.52	8.11	1.76	-152.35	-125.62	-24.97	58.34
			61	1.11	8.08	4.12	4.49	7.72	-1.15	353.32	-396.37	-109.55	66.50	
364.36														
	38	42	21	1.70	11.84	-5.51	11.82	-5.50	-0.54	72.01	-842.11	-804.65	34.55	-
181.22														
			105	1.65	15.28	-2.86	12.90	-0.49	-6.12	16.59	-823.89	-807.55	0.25	
116.04														
			107	0.80	1.89	-6.23	-2.69	-1.65	-4.03	106.94	-392.27	-390.81	105.47	-27.01
			61	1.10	-3.30	-10.91	-4.01	-10.20	2.21	227.74	-455.41	-393.59	165.92	-
195.99														
	38	43	21	0.22	8.15	3.23	8.14	3.23	0.14	84.39	-27.27	-9.18	66.30	41.14
			105	0.33	8.97	-0.42	8.17	0.38	-2.63	67.36	-100.15	-30.00	-2.79	-82.65
			107	0.29	5.17	-1.90	4.04	-0.76	-2.60	15.25	-145.81	-105.36	-25.20	-69.85
			61	0.20	6.91	4.34	4.63	6.61	-0.82	5.54	-82.04	-76.93	0.43	20.53
	38	44	21	0.95	16.51	0.60	16.50	0.60	-0.33	40.74	-396.88	-378.49	22.35	-87.81
			105	0.92	19.70	-2.86	17.14	-0.30	-7.16	-34.57	-408.43	-398.52	-44.49	-60.07
			107	0.39	6.37	-6.32	2.44	-2.39	-5.87	19.28	-177.25	-161.91	3.94	-52.72
			61	0.41	2.46	1.92	2.46	1.92	0.05	79.94	-188.42	-135.76	27.28	-
106.58														
	38	45	21	0.86	0.10	-14.63	-14.58	0.05	0.82	462.39	-11.51	241.78	209.10	
236.39														
			105	0.57	4.39	-18.13	-15.14	1.39	7.65	301.24	90.72	237.51	154.45	96.72
			107	0.63	8.36	-4.87	-0.05	3.55	6.36	53.62	-289.19	-284.50	48.94	39.80
			61	0.87	7.64e-04	-1.35	-0.16	-1.19	0.44	229.09	-368.35	-286.35	147.09	
205.59														
	38	46	21	0.57	-2.54	-6.26	-6.22	-2.57	0.35	200.35	-162.73	-127.53	165.15	
107.43														
			105	0.63	1.91	-7.37	-6.16	0.71	3.12	161.42	-179.67	-131.01	112.75	
119.30														
			107	0.74	3.71	-3.44	-1.65	1.93	3.09	85.68	-348.64	-341.05	78.09	56.93
			61	0.83	-1.90	-6.31	-2.34	-5.88	1.31	185.55	-356.79	-345.18	173.95	78.48
	38	47	21	0.24	8.68	3.14	8.67	3.14	0.13	91.93	-28.80	-7.23	70.37	46.24
			105	0.34	9.63	-0.57	8.73	0.33	-2.89	70.45	-102.98	-29.05	-3.49	-85.77
			107	0.25	5.25	-2.12	3.98	-0.85	-2.79	0.03	-128.28	-102.26	-25.99	-51.59
			61	0.19	6.67	4.27	4.55	6.39	-0.77	8.92	-79.52	-72.74	2.14	23.54
	38	48	21	0.95	15.98	0.69	15.97	0.69	-0.31	38.87	-401.02	-380.44	18.28	-92.91
			105	0.91	19.05	-2.71	16.58	-0.25	-6.90	-34.89	-408.37	-399.47	-43.79	-56.95

		107	0.43	6.25	-6.06	2.49	-2.31	-5.67	30.50	-190.78	-165.01	4.73	-70.97
		61	0.42	2.54	2.14	2.54	2.14	0.01	80.14	-194.52	-139.96	25.57	-
109.59													
38	49	21	0.87	0.01	-14.10	-14.05	-0.03	0.81	470.42	-13.52	243.73	213.17	
241.49													
		105	0.56	4.24	-17.48	-14.58	1.34	7.39	298.85	93.37	238.47	153.75	93.60
		107	0.65	8.10	-4.74	-0.11	3.47	6.17	58.08	-291.32	-281.40	48.15	58.05
		61	0.87	-0.07	-1.58	-0.24	-1.41	0.48	233.23	-366.58	-282.16	148.80	
208.60													
38	50	21	0.57	-2.45	-6.79	-6.75	-2.49	0.37	193.50	-161.90	-129.47	161.08	
102.33													
		105	0.65	2.06	-8.03	-6.73	0.76	3.38	164.07	-182.58	-131.96	113.45	
122.42													
		107	0.73	3.96	-3.54	-1.60	2.01	3.29	82.38	-347.66	-344.15	78.88	38.68
		61	0.83	-1.84	-6.08	-2.26	-5.66	1.27	182.93	-360.08	-349.37	172.23	75.47
38	51	21	0.23	8.78	3.36	8.78	3.36	0.13	82.73	-30.06	-10.91	63.58	42.35
		105	0.35	9.77	-0.67	8.85	0.25	-2.96	69.02	-105.93	-32.65	-4.26	-86.31
		107	0.30	5.24	-2.17	3.92	-0.86	-2.83	17.96	-145.94	-103.42	-24.56	-71.84
		61	0.20	7.23	4.25	4.57	6.91	-0.92	4.67	-82.10	-75.40	-2.04	23.17
38	52	21	0.96	17.14	0.72	17.14	0.73	-0.34	37.58	-398.17	-380.22	19.62	-86.60
		105	0.93	20.50	-3.11	17.83	-0.44	-7.48	-34.87	-412.26	-401.17	-45.96	-63.74
		107	0.40	6.48	-6.64	2.32	-2.48	-6.11	21.12	-176.50	-159.96	4.59	-54.72
		61	0.40	2.41	2.21	2.40	2.22	-0.05	76.17	-185.57	-134.23	24.82	-
103.94													
38	53	21	0.87	-0.03	-15.26	-15.21	-0.07	0.84	463.38	-8.04	243.51	211.83	
235.18													
		105	0.59	4.64	-18.93	-15.82	1.53	7.98	306.91	89.18	240.16	155.92	
100.39													
		107	0.64	8.69	-4.99	0.06	3.64	6.60	53.44	-291.59	-286.44	48.30	41.80
		61	0.87	0.08	-1.67	-0.10	-1.49	0.54	229.20	-367.54	-287.88	149.55	
202.94													
38	54	21	0.58	-2.67	-6.89	-6.86	-2.70	0.37	202.27	-160.20	-125.80	167.88	
106.22													
		105	0.65	2.16	-8.17	-6.85	0.84	3.45	165.65	-179.78	-128.36	114.22	
122.96													
		107	0.74	4.01	-3.53	-1.54	2.02	3.33	85.54	-351.09	-342.99	77.44	58.92
		61	0.83	-1.82	-6.64	-2.28	-6.18	1.41	187.18	-357.49	-346.71	176.41	75.84
38	55	21	0.25	9.31	3.27	9.31	3.27	0.11	90.33	-31.64	-8.96	67.65	47.45
		105	0.37	10.43	-0.82	9.42	0.19	-3.21	72.10	-108.75	-31.69	-4.96	-89.43
		107	0.26	5.33	-2.40	3.86	-0.94	-3.03	2.57	-128.23	-100.31	-25.35	-53.59
		61	0.20	7.00	4.19	4.49	6.69	-0.88	8.30	-79.82	-71.21	-0.32	26.18
38	56	21	0.95	16.61	0.81	16.61	0.82	-0.33	35.68	-402.29	-382.16	15.56	-91.70
		105	0.93	19.84	-2.96	17.27	-0.38	-7.22	-35.25	-412.14	-402.12	-45.26	-60.62
		107	0.44	6.36	-6.38	2.38	-2.40	-5.91	32.59	-190.28	-163.07	5.38	-72.97
		61	0.41	2.55	2.37	2.48	2.44	-0.09	76.36	-191.67	-138.42	23.11	-
106.95													
38	57	21	0.88	-0.12	-14.73	-14.69	-0.16	0.82	471.41	-10.06	245.45	215.90	
240.28													
		105	0.58	4.49	-18.28	-15.26	1.47	7.72	304.50	91.85	241.11	155.23	97.27
		107	0.66	8.43	-4.86	4.10e-03	3.56	6.40	58.07	-293.90	-283.34	47.51	60.05
		61	0.87	0.02	-1.91	-0.18	-1.71	0.59	233.31	-365.73	-283.69	151.26	
205.95													
38	58	21	0.58	-2.58	-7.42	-7.39	-2.61	0.38	195.45	-159.39	-127.75	163.81	
101.12													
		105	0.67	2.31	-8.83	-7.41	0.90	3.71	168.33	-182.72	-129.31	114.92	
126.08													
		107	0.73	4.27	-3.64	-1.48	2.10	3.53	82.09	-349.96	-346.09	78.23	40.67
		61	0.83	-1.75	-6.40	-2.20	-5.96	1.37	184.60	-360.81	-350.91	174.70	72.83
38	59	21	1.18	5.25	-9.62	-9.56	5.19	0.93	649.66	27.42	509.52	167.56	
259.92													
		105	0.99	4.20	-13.12	-10.46	1.53	6.25	498.93	95.53	493.57	100.89	-46.21
		107	0.35	8.01	-0.90	4.47	2.64	4.36	-5.78	-129.58	-102.10	-33.26	-51.45
		61	0.74	9.80	5.04	5.49	9.35	-1.40	208.51	-269.68	-81.60	20.43	
233.59													
38	60	21	1.63	18.31	-3.59	18.30	-3.58	-0.64	58.09	-758.55	-721.52	21.05	-
169.92													
		105	1.56	22.78	-4.07	19.46	-0.75	-8.84	-36.89	-736.04	-734.83	-38.10	29.05
		107	0.60	4.80	-8.44	-0.86	-2.77	-6.55	63.99	-290.66	-290.57	63.90	5.64
		61	0.86	-1.30	-6.74	-1.76	-6.28	1.52	187.61	-355.35	-277.69	109.95	-
190.10													
38	61	21	1.44	4.30	-16.44	-16.37	4.23	1.13	767.05	28.17	584.81	210.40	
318.50													

		105	1.18	5.61	-21.23	-17.45	1.84	9.33	573.96	147.93	573.82	148.07	7.60
		107	0.38	10.64	-3.46	3.24	3.94	7.05	-8.68	-158.18	-155.84	-11.02	-18.55
		61	0.92	7.33	3.74	4.06	7.01	-1.02	267.39	-347.38	-144.42	64.42	
289.10													
38	62	21	1.40	11.49	-4.54	11.48	-4.53	-0.43	80.94	-663.28	-646.23	63.89	-
111.35													
		105	1.37	14.66	-2.64	12.46	-0.45	-5.75	19.26	-664.76	-654.57	9.07	82.86
		107	0.68	2.09	-5.66	-2.09	-1.48	-3.86	89.56	-347.74	-344.31	86.14	38.53
		61	0.91	-2.60	-9.21	-3.20	-8.62	1.89	188.20	-374.77	-340.52	153.95	-
134.58													
38	63	21	1.17	5.28	-9.43	-9.37	5.23	0.92	649.38	26.37	509.00	166.75	
260.29													
		105	0.98	4.13	-12.88	-10.25	1.49	6.15	498.40	94.83	492.77	100.45	-47.31
		107	0.35	7.91	-0.86	4.43	2.61	4.29	-5.00	-129.58	-101.51	-33.06	-52.05
		61	0.74	9.90	5.01	5.48	9.44	-1.43	209.01	-270.46	-81.14	19.69	
234.38													
38	64	21	1.63	18.50	-3.56	18.49	-3.54	-0.64	57.13	-758.93	-722.03	20.23	-
169.56													
		105	1.57	23.02	-4.14	19.66	-0.79	-8.94	-37.42	-736.74	-735.62	-38.54	27.95
		107	0.60	4.84	-8.54	-0.90	-2.80	-6.62	64.16	-290.06	-289.99	64.09	5.04
		61	0.86	-1.33	-6.64	-1.78	-6.19	1.48	186.49	-354.51	-277.23	109.21	-
189.30													
38	65	21	1.44	4.26	-16.63	-16.57	4.20	1.14	767.32	29.22	585.33	211.22	
318.13													
		105	1.19	5.69	-21.47	-17.66	1.88	9.43	574.79	148.33	574.61	148.51	8.70
		107	0.38	10.75	-3.50	3.28	3.96	7.12	-9.02	-158.61	-156.42	-11.21	-17.96
		61	0.91	7.23	3.76	4.07	6.92	-0.99	266.98	-346.70	-144.88	65.16	
288.31													
38	66	21	1.40	11.30	-4.58	11.29	-4.57	-0.43	81.86	-662.86	-645.71	64.71	-
111.71													
		105	1.37	14.42	-2.56	12.26	-0.41	-5.66	19.97	-664.24	-653.78	9.51	83.96
		107	0.68	2.05	-5.56	-2.05	-1.45	-3.79	89.47	-348.42	-344.90	85.95	39.13
		61	0.91	-2.58	-9.31	-3.18	-8.71	1.92	189.25	-375.54	-340.97	154.69	-
135.37													
38	67	21	1.19	4.95	-7.85	-7.79	4.89	0.88	672.18	24.95	516.00	181.12	
276.93													
		105	0.96	3.71	-10.94	-8.58	1.35	5.39	504.64	90.68	496.75	98.57	-56.61
		107	0.21	7.14	-0.50	4.27	2.37	3.70	-34.35	-93.27	-91.74	-35.89	9.39
		61	0.76	9.03	4.81	5.23	8.62	-1.25	227.35	-268.83	-67.61	26.13	
243.62													
38	68	21	1.61	16.55	-3.30	16.53	-3.28	-0.59	52.27	-772.78	-728.00	7.49	-
186.93													
		105	1.54	20.59	-3.57	17.58	-0.57	-7.97	-33.57	-740.22	-738.01	-35.78	39.45
		107	0.64	4.38	-7.55	-0.66	-2.50	-5.89	74.64	-309.04	-300.93	66.53	-55.20
		61	0.89	-1.07	-5.96	-1.49	-5.54	1.37	187.78	-375.21	-291.67	104.24	-
200.13													
38	69	21	1.45	4.00	-14.67	-14.61	3.94	1.08	790.11	25.14	591.29	223.96	
335.50													
		105	1.16	5.12	-19.04	-15.58	1.65	8.47	577.02	145.72	577.00	145.74	-2.80
		107	0.37	9.75	-3.04	3.05	3.66	6.39	-1.25	-157.88	-145.48	-13.65	42.28
		61	0.93	6.55	3.51	3.79	6.28	-0.87	285.35	-345.66	-130.44	70.13	
299.14													
38	70	21	1.38	9.72	-4.24	9.71	-4.23	-0.38	73.03	-675.41	-652.71	50.33	-
128.35													
		105	1.35	12.47	-2.14	10.59	-0.26	-4.89	24.15	-670.51	-657.75	11.39	93.26
		107	0.71	1.68	-4.77	-1.89	-1.20	-3.21	89.89	-355.79	-354.67	88.77	-22.30
		61	0.93	-2.38	-8.44	-2.93	-7.88	1.74	186.87	-393.13	-354.50	148.24	-
144.61													
38	71	21	1.19	4.99	-7.66	-7.60	4.93	0.87	671.90	23.90	515.49	180.30	
277.29													
		105	0.96	3.64	-10.70	-8.38	1.31	5.29	504.15	89.93	495.95	98.13	-57.71
		107	0.21	7.04	-0.46	4.24	2.34	3.63	-34.34	-92.52	-91.16	-35.69	8.79
		61	0.76	9.13	4.79	5.21	8.71	-1.28	227.87	-269.64	-67.15	25.39	
244.41													
38	72	21	1.61	16.74	-3.26	16.72	-3.24	-0.59	51.31	-773.15	-728.52	6.67	-
186.56													
		105	1.54	20.83	-3.65	17.79	-0.61	-8.07	-34.13	-740.89	-738.80	-36.22	38.35
		107	0.64	4.42	-7.65	-0.70	-2.52	-5.97	75.02	-308.64	-300.35	66.72	-55.80
		61	0.88	-1.10	-5.86	-1.51	-5.45	1.34	186.66	-374.37	-291.21	103.50	-
199.34													
38	73	21	1.45	3.96	-14.86	-14.80	3.90	1.09	790.39	26.20	591.81	224.78	
335.14													

		105	1.16	5.19	-19.28	-15.78	1.69	8.57	577.80	146.18	577.80	146.18	-1.70
		107	0.38	9.85	-3.08	3.08	3.69	6.46	-1.15	-158.75	-146.06	-13.84	42.88
		61	0.93	6.46	3.54	3.81	6.19	-0.84	284.93	-344.96	-130.90	70.87	
298.35													
38	74	21	1.38	9.53	-4.28	9.52	-4.27	-0.38	73.96	-675.01	-652.19	51.15	-
128.72													
		105	1.34	12.23	-2.07	10.38	-0.22	-4.79	24.89	-670.02	-656.96	11.84	94.36
		107	0.71	1.64	-4.67	-1.86	-1.17	-3.14	89.64	-356.31	-355.25	88.58	-21.71
		61	0.93	-2.35	-8.53	-2.91	-7.97	1.77	187.93	-393.90	-354.96	148.98	-
145.41													
38	75	21	0.24	6.91	2.73	6.90	2.73	0.16	93.72	-38.74	-19.65	74.63	46.53
		105	0.25	7.56	-0.23	6.93	0.41	-2.13	53.43	-85.13	-38.91	7.21	-65.33
		107	0.28	4.44	-1.42	3.55	-0.53	-2.10	9.52	-151.53	-125.76	-16.26	-59.05
		61	0.23	5.77	3.80	4.04	5.53	-0.64	20.63	-105.47	-100.17	15.33	25.29
38	76	21	0.82	13.81	0.56	13.81	0.56	-0.23	47.96	-334.53	-324.85	38.28	-60.05
		105	0.79	16.43	-2.24	14.35	-0.16	-5.87	-20.53	-350.19	-343.46	-27.26	-46.62
		107	0.36	5.40	-5.05	2.23	-1.87	-4.81	18.38	-183.03	-172.50	7.85	-44.83
		61	0.38	2.25	1.65	2.24	1.66	0.09	67.02	-178.27	-148.80	37.55	-79.76
38	77	21	0.73	0.14	-11.93	-11.89	0.10	0.72	399.30	-17.98	188.15	193.17	
208.63													
		105	0.48	3.77	-14.86	-12.34	1.25	6.37	246.13	73.56	182.46	137.23	83.27
		107	0.58	7.09	-3.90	0.15	3.04	5.30	48.19	-277.07	-273.91	45.03	31.91
		61	0.80	0.20	-1.07	0.06	-0.92	0.41	203.80	-340.29	-273.31	136.83	
178.76													
38	78	21	0.53	-2.04	-5.02	-4.98	-2.07	0.33	190.67	-150.90	-117.06	156.83	
102.05													
		105	0.55	1.72	-5.96	-4.92	0.68	2.63	142.12	-161.45	-122.09	102.75	
101.98													
		107	0.67	3.23	-2.70	-1.17	1.69	2.60	74.52	-326.04	-320.65	69.14	46.13
		61	0.76	-1.37	-5.17	-1.74	-4.80	1.13	170.08	-332.99	-321.94	159.04	73.71
38	79	21	0.25	7.34	2.66	7.34	2.66	0.15	99.83	-39.89	-18.04	77.99	50.74
		105	0.27	8.11	-0.35	7.39	0.36	-2.35	55.75	-87.24	-38.13	6.63	-67.90
		107	0.26	4.51	-1.61	3.50	-0.60	-2.27	-1.12	-138.98	-123.19	-16.91	-43.90
		61	0.23	5.58	3.75	3.97	5.35	-0.60	23.18	-103.14	-96.70	16.74	27.78
38	80	21	0.81	13.37	0.63	13.37	0.63	-0.21	46.01	-337.55	-326.46	34.92	-64.27
		105	0.79	15.89	-2.12	13.88	-0.11	-5.66	-20.69	-350.25	-344.25	-26.68	-44.04
		107	0.39	5.31	-4.84	2.28	-1.80	-4.65	26.36	-192.92	-175.07	8.50	-59.97
		61	0.39	2.31	1.83	2.31	1.84	0.05	66.99	-183.12	-152.27	36.14	-82.25
38	81	21	0.74	0.07	-11.49	-11.45	0.02	0.71	406.01	-19.73	189.75	196.53	
212.84													
		105	0.46	3.64	-14.32	-11.88	1.20	6.15	243.94	75.96	183.25	136.65	80.69
		107	0.60	6.87	-3.80	0.11	2.97	5.14	51.25	-278.21	-271.34	44.38	47.05
		61	0.80	0.15	-1.26	-9.94e-03	-1.11	0.45	207.11	-338.72	-269.85	138.23	
181.25													
38	82	21	0.53	-1.97	-5.45	-5.42	-2.00	0.35	184.98	-150.19	-118.67	153.46	97.83
		105	0.57	1.84	-6.50	-5.39	0.73	2.84	144.25	-163.80	-122.88	103.33	
104.55													
		107	0.66	3.44	-2.79	-1.12	1.76	2.76	72.22	-325.65	-323.22	69.79	30.99
		61	0.76	-1.31	-4.98	-1.68	-4.62	1.09	167.91	-335.69	-325.41	157.63	71.23
38	83	21	0.24	7.43	2.83	7.43	2.84	0.15	92.28	-40.99	-21.07	72.35	47.52
		105	0.27	8.22	-0.43	7.50	0.30	-2.40	54.73	-89.84	-41.10	5.99	-68.35
		107	0.28	4.49	-1.65	3.45	-0.61	-2.30	11.43	-151.30	-124.14	-15.73	-60.68
		61	0.23	6.04	3.73	3.99	5.78	-0.72	19.65	-105.26	-98.90	13.28	27.47
38	84	21	0.82	14.34	0.66	14.33	0.67	-0.24	45.40	-335.66	-326.28	36.01	-59.06
		105	0.80	17.09	-2.45	14.91	-0.27	-6.14	-20.90	-353.24	-345.65	-28.48	-49.64
		107	0.37	5.50	-5.32	2.13	-1.95	-5.01	19.71	-182.21	-170.88	8.38	-46.46
		61	0.37	2.19	1.91	2.19	1.91	2.50e-03	63.96	-175.99	-147.53	35.50	-77.58
38	85	21	0.74	0.04	-12.46	-12.41	-7.74e-03	0.73	400.16	-15.15	189.57	195.44	
207.64													
		105	0.49	3.97	-15.52	-12.91	1.36	6.64	250.87	72.22	184.64	138.45	86.29
		107	0.59	7.37	-4.00	0.25	3.11	5.50	47.98	-279.00	-275.53	44.50	33.55
		61	0.80	0.27	-1.34	0.11	-1.17	0.49	204.03	-339.74	-274.58	138.87	
176.59													
38	86	21	0.54	-2.14	-5.54	-5.51	-2.18	0.35	192.27	-148.80	-115.64	159.10	
101.05													
		105	0.57	1.92	-6.62	-5.49	0.79	2.90	145.51	-161.44	-119.91	103.98	
105.00													
		107	0.68	3.49	-2.79	-1.07	1.77	2.80	74.36	-328.02	-322.27	68.61	47.76
		61	0.77	-1.30	-5.44	-1.69	-5.05	1.22	171.43	-333.56	-323.21	161.09	71.54
38	87	21	0.26	7.87	2.76	7.86	2.77	0.13	98.42	-42.17	-19.46	75.72	51.74
		105	0.29	8.77	-0.55	7.96	0.25	-2.62	57.07	-91.96	-40.31	5.41	-70.92
		107	0.26	4.56	-1.83	3.40	-0.68	-2.46	0.60	-138.55	-121.58	-16.38	-45.54

		61	0.23	5.84	3.68	3.92	5.60	-0.68	22.32	-103.05	-95.43	14.69	29.96
38	88	21	0.82	13.90	0.74	13.90	0.74	-0.23	43.43	-338.67	-327.89	32.65	-63.28
		105	0.80	16.55	-2.32	14.45	-0.22	-5.93	-21.10	-353.25	-346.44	-27.91	-47.06
		107	0.40	5.40	-5.10	2.18	-1.88	-4.84	27.88	-192.30	-173.45	9.03	-61.61
		61	0.38	2.26	2.08	2.25	2.09	-0.03	63.92	-180.82	-150.99	34.09	-80.07
38	89	21	0.75	-0.04	-12.02	-11.97	-0.08	0.72	406.88	-16.90	191.18	198.81	
211.85													
		105	0.48	3.85	-14.98	-12.44	1.31	6.43	248.68	74.63	185.43	137.87	83.71
		107	0.60	7.15	-3.90	0.20	3.04	5.34	51.17	-280.27	-272.96	43.85	48.69
		61	0.80	0.22	-1.53	0.04	-1.35	0.53	207.31	-338.14	-271.12	140.28	
179.07													
38	90	21	0.54	-2.07	-5.98	-5.94	-2.11	0.36	186.60	-148.11	-117.25	155.74	96.84
		105	0.59	2.05	-7.16	-5.95	0.84	3.11	147.67	-163.82	-120.70	104.55	
107.57													
		107	0.67	3.69	-2.88	-1.02	1.84	2.96	71.94	-327.52	-324.83	69.26	32.62
		61	0.77	-1.24	-5.25	-1.63	-4.87	1.18	169.29	-336.29	-326.68	159.68	69.05
38	91	21	0.97	4.40	-7.79	-7.73	4.35	0.81	543.66	24.01	409.15	158.52	
227.61													
		105	0.78	3.61	-10.72	-8.47	1.37	5.21	397.93	88.88	393.87	92.93	-35.15
		107	0.33	6.83	-0.64	3.90	2.28	3.64	-6.48	-139.53	-123.08	-22.93	-43.80
		61	0.65	8.16	4.38	4.74	7.79	-1.12	176.68	-248.77	-104.04	31.94	
201.57													
38	92	21	1.37	15.30	-2.91	15.29	-2.90	-0.48	61.70	-632.53	-608.20	37.37	-
127.66													
		105	1.32	18.97	-3.23	16.26	-0.53	-7.26	-20.74	-622.53	-621.29	-21.97	27.22
		107	0.56	4.09	-6.79	-0.50	-2.19	-5.37	57.46	-278.92	-278.88	57.43	3.59
		61	0.76	-0.86	-5.52	-1.25	-5.12	1.30	158.04	-318.19	-266.13	105.98	-
148.60													
38	93	21	1.19	3.61	-13.43	-13.37	3.56	0.98	641.89	23.68	471.49	194.08	
276.24													
		105	0.94	4.78	-17.41	-14.25	1.62	7.76	460.56	131.67	460.29	131.94	9.43
		107	0.37	8.99	-2.75	2.89	3.35	5.87	-2.89	-169.18	-167.53	-4.54	-16.51
		61	0.81	6.11	3.30	3.55	5.86	-0.80	228.04	-315.63	-155.98	68.39	
247.61													
38	94	21	1.19	9.66	-3.69	9.66	-3.69	-0.31	82.87	-555.80	-545.86	72.94	-79.04
		105	1.17	12.25	-2.05	10.48	-0.28	-4.71	25.91	-563.76	-554.88	17.03	71.80
		107	0.63	1.83	-4.48	-1.52	-1.12	-3.15	78.19	-325.70	-323.33	75.81	30.88
		61	0.81	-1.94	-7.57	-2.45	-7.06	1.61	164.24	-339.88	-318.08	142.43	-
102.56													
38	95	21	0.97	4.43	-7.63	-7.58	4.38	0.80	543.43	23.13	408.73	157.83	
227.91													
		105	0.78	3.55	-10.52	-8.30	1.33	5.13	397.48	88.30	393.22	92.57	-36.05
		107	0.33	6.74	-0.61	3.88	2.26	3.59	-5.95	-139.41	-122.60	-22.77	-44.29
		61	0.66	8.24	4.36	4.73	7.87	-1.14	177.02	-249.35	-103.65	31.33	
202.22													
38	96	21	1.38	15.46	-2.88	15.45	-2.87	-0.49	60.92	-632.86	-608.63	36.69	-
127.37													
		105	1.33	19.16	-3.30	16.43	-0.56	-7.34	-21.19	-623.10	-621.95	-22.34	26.31
		107	0.56	4.12	-6.87	-0.53	-2.21	-5.43	57.61	-278.43	-278.40	57.58	3.10
		61	0.75	-0.88	-5.44	-1.27	-5.05	1.27	157.13	-317.51	-265.75	105.37	-
147.95													
38	97	21	1.19	3.58	-13.58	-13.53	3.52	0.98	642.13	24.56	471.92	194.76	
275.94													
		105	0.95	4.84	-17.61	-14.42	1.65	7.84	461.27	131.98	460.94	132.30	10.34
		107	0.37	9.08	-2.78	2.92	3.38	5.93	-3.14	-169.57	-168.01	-4.70	-16.02
		61	0.81	6.03	3.32	3.56	5.78	-0.78	227.77	-315.13	-156.36	69.00	
246.96													
38	98	21	1.19	9.50	-3.73	9.50	-3.72	-0.31	83.62	-555.44	-545.44	73.62	-79.33
		105	1.16	12.05	-1.99	10.31	-0.24	-4.63	26.50	-563.33	-554.23	17.40	72.70
		107	0.63	1.80	-4.39	-1.49	-1.10	-3.09	78.10	-326.26	-323.81	75.65	31.37
		61	0.81	-1.92	-7.65	-2.43	-7.13	1.63	165.08	-340.49	-318.46	143.05	-
103.21													
38	99	21	0.98	4.16	-6.33	-6.27	4.10	0.77	563.01	21.23	414.51	169.73	
241.66													
		105	0.76	3.21	-8.91	-6.92	1.21	4.49	402.64	84.87	396.50	91.01	-43.73
		107	0.24	6.11	-0.31	3.74	2.06	3.10	-24.60	-115.02	-114.52	-25.10	6.68
		61	0.67	7.52	4.19	4.52	7.19	-0.99	191.64	-247.49	-92.48	36.64	
209.86													
38	100	21	1.36	13.84	-2.66	13.83	-2.65	-0.44	56.15	-643.55	-613.56	26.16	-
141.72													
		105	1.30	17.16	-2.82	14.71	-0.38	-6.55	-17.94	-626.04	-623.92	-20.05	35.80
		107	0.59	3.74	-6.05	-0.34	-1.96	-4.83	65.81	-293.66	-287.44	59.59	-46.88

		61	0.78	-0.67	-4.88	-1.03	-4.52	1.17	157.81	-334.21	-277.69	101.29	-156.89
38	101	21	1.20	3.37	-11.97	-11.91	3.31	0.94	661.55	20.59	476.85	205.29	290.29
		105	0.92	4.37	-15.61	-12.70	1.46	7.04	462.92	130.01	462.92	130.01	0.85
		107	0.35	8.25	-2.40	2.72	3.13	5.32	0.52	-166.20	-158.97	-6.71	33.96
		61	0.82	5.47	3.11	3.33	5.25	-0.68	242.38	-313.72	-144.42	73.08	255.90
38	102	21	1.17	8.20	-3.45	8.19	-3.44	-0.27	75.55	-565.05	-551.22	61.73	-93.09
		105	1.15	10.44	-1.64	8.93	-0.12	-4.00	29.95	-568.51	-557.51	18.95	80.38
		107	0.65	1.49	-3.74	-1.36	-0.89	-2.61	78.91	-332.82	-331.89	77.98	-19.59
		61	0.82	-1.76	-6.93	-2.23	-6.46	1.49	162.70	-354.59	-329.63	137.74	-110.85
38	103	21	0.98	4.19	-6.17	-6.12	4.13	0.76	562.78	20.35	414.09	169.04	241.96
		105	0.76	3.15	-8.72	-6.75	1.18	4.41	402.24	84.25	395.85	90.64	-44.63
		107	0.23	6.03	-0.28	3.71	2.03	3.04	-24.51	-114.46	-114.04	-24.94	6.19
		61	0.67	7.60	4.17	4.51	7.26	-1.02	192.01	-248.08	-92.10	36.02	210.51
38	104	21	1.36	14.00	-2.63	13.99	-2.62	-0.45	55.36	-643.87	-613.99	25.48	-141.42
		105	1.31	17.35	-2.88	14.88	-0.41	-6.63	-18.41	-626.59	-624.58	-20.42	34.89
		107	0.59	3.78	-6.13	-0.37	-1.99	-4.89	66.11	-293.31	-286.96	59.75	-47.37
		61	0.77	-0.70	-4.79	-1.05	-4.44	1.15	156.89	-333.53	-277.31	100.67	-156.24
38	105	21	1.20	3.34	-12.13	-12.07	3.28	0.94	661.78	21.47	477.28	205.97	289.99
		105	0.93	4.43	-15.81	-12.87	1.50	7.12	463.58	130.37	463.57	130.38	1.76
		107	0.35	8.34	-2.44	2.75	3.15	5.38	0.55	-166.87	-159.45	-6.87	34.45
		61	0.82	5.39	3.13	3.34	5.18	-0.65	242.09	-313.20	-144.80	73.70	255.25
38	106	21	1.17	8.04	-3.48	8.04	-3.47	-0.27	76.32	-564.70	-550.80	62.41	-93.38
		105	1.15	10.24	-1.58	8.76	-0.09	-3.92	30.57	-568.10	-556.85	19.32	81.28
		107	0.65	1.46	-3.66	-1.33	-0.87	-2.55	78.71	-333.26	-332.37	77.82	-19.10
		61	0.83	-1.73	-7.01	-2.21	-6.53	1.51	163.54	-355.21	-330.01	138.35	-111.51
39	1	61	0.27	0.41	-0.29	0.32	-0.20	0.24	37.43	-135.56	-135.46	37.33	-4.09
		107	0.27	0.41	-0.29	0.32	-0.20	0.24	39.27	-135.14	-135.08	39.22	-3.04
		106	0.28	1.53	-4.44e-03	1.49	0.03	0.24	39.78	-132.43	-132.40	39.75	-2.27
		23	0.28	1.53	1.38e-03	1.49	0.04	0.24	37.93	-132.85	-132.78	37.87	-3.32
39	2	61	0.84	2.63	0.03	2.44	0.22	0.67	79.78	-437.19	-430.82	73.41	-57.02
		107	0.91	2.41	-0.81	2.27	-0.66	0.67	158.02	-417.73	-414.54	154.83	-42.71
		106	0.87	4.33	-0.36	4.23	-0.27	0.67	162.30	-378.21	-378.05	162.13	-9.49
		23	0.80	4.52	0.50	4.41	0.61	0.67	81.90	-395.52	-394.33	80.71	-23.80
39	3	61	0.20	0.28	-0.23	0.20	-0.16	0.18	28.07	-98.66	-98.63	28.04	-2.14
		107	0.20	0.28	-0.22	0.21	-0.15	0.18	28.01	-98.66	-98.64	27.99	-1.59
		106	0.21	1.12	3.35e-03	1.10	0.03	0.18	28.29	-97.23	-97.21	28.27	-1.61
		23	0.21	1.12	-8.30e-03	1.09	0.02	0.18	28.36	-97.24	-97.20	28.32	-2.17
39	4	61	0.77	2.49	0.09	2.33	0.26	0.61	70.64	-400.52	-393.99	64.12	-55.07
		107	0.83	2.29	-0.73	2.16	-0.60	0.61	146.84	-381.34	-378.09	143.60	-41.26
		106	0.80	3.92	-0.36	3.83	-0.27	0.61	150.81	-343.01	-342.86	150.65	-8.83
		23	0.73	4.11	0.49	4.01	0.59	0.61	72.35	-359.94	-358.75	71.16	-22.65
39	5	61	0.20	0.30	-0.23	0.23	-0.15	0.18	28.48	-101.83	-101.78	28.42	-2.71
		107	0.20	0.30	-0.22	0.23	-0.15	0.18	29.25	-101.65	-101.62	29.22	-2.01
		106	0.21	1.15	-4.74e-04	1.12	0.03	0.18	29.60	-99.86	-99.83	29.58	-1.68
		23	0.21	1.15	-3.01e-03	1.12	0.03	0.18	28.82	-100.04	-99.99	28.78	-2.38
39	6	61	0.59	1.78	-9.91e-03	1.64	0.12	0.47	56.54	-302.75	-298.69	52.47	-38.00
		107	0.63	1.63	-0.56	1.53	-0.46	0.47	108.34	-289.97	-287.92	106.30	-28.46
		106	0.61	3.02	-0.24	2.95	-0.17	0.47	111.27	-263.71	-263.60	111.16	-6.50
		23	0.56	3.15	0.33	3.07	0.41	0.47	58.11	-275.13	-274.36	57.34	-16.04
39	7	61	0.20	0.30	-0.23	0.23	-0.15	0.18	28.48	-101.83	-101.78	28.42	-2.71
		107	0.20	0.30	-0.22	0.23	-0.15	0.18	29.25	-101.65	-101.62	29.22	-2.01
		106	0.21	1.15	-4.74e-04	1.12	0.03	0.18	29.60	-99.86	-99.83	29.58	-1.68
		23	0.21	1.15	-3.01e-03	1.12	0.03	0.18	28.82	-100.04	-99.99	28.78	-2.38
39	8	61	0.47	1.33	-0.07	1.22	0.04	0.38	47.87	-242.23	-239.61	45.26	-27.41
		107	0.50	1.23	-0.46	1.14	-0.36	0.38	84.50	-233.36	-232.03	83.17	-20.52
		106	0.49	2.46	-0.17	2.40	-0.11	0.38	86.77	-214.55	-214.47	86.69	-5.05
		23	0.46	2.55	0.23	2.48	0.29	0.38	49.30	-222.58	-222.05	48.77	-11.94
39	9	61	0.20	0.30	-0.23	0.23	-0.15	0.18	28.48	-101.83	-101.78	28.42	-2.71
		107	0.20	0.30	-0.22	0.23	-0.15	0.18	29.25	-101.65	-101.62	29.22	-2.01
		106	0.21	1.15	-4.74e-04	1.12	0.03	0.18	29.60	-99.86	-99.83	29.58	-1.68
		23	0.21	1.15	-3.01e-03	1.12	0.03	0.18	28.82	-100.04	-99.99	28.78	-2.38

39	10	61	0.43	1.18	-0.09	1.08	0.01	0.35	45.01	-222.08	-219.92	42.85-23.88
		107	0.46	1.09	-0.42	1.01	-0.33	0.35	76.57	-214.50	-213.40	75.47-17.88
		106	0.45	2.27	-0.14	2.22	-0.09	0.35	78.60	-198.17	-198.09	78.53 -4.57
		23	0.42	2.35	0.20	2.29	0.25	0.35	46.36	-205.06	-204.61	45.92-10.58
39	11	61	1.18	5.02	1.05	4.14	1.93	1.64	330.99	-451.28	-65.39	-54.90
391.10												
		107	0.44	6.60	-8.01	3.92	-5.32	-5.66	188.52	-54.46	-32.43	166.50-69.76
		106	2.02	-0.24	-17.93	-15.70	-2.47	-5.87	-49.85	-1096.20	-1090.81	-55.24 74.86
		23	2.27	-1.06	-15.66	-15.53	-1.19	1.35	-86.70	-1264.03	-1127.73	-223.00
376.68												
39	12	61	0.82	8.33	1.84	3.16	7.01	2.61	29.85	-460.58	-178.76	-251.97
242.47												
		107	0.62	15.29	-14.25	2.85	-1.81	-14.59	191.67	-113.71	-112.43	190.38-19.77
		106	1.83	1.51	-47.02	-41.49	-4.02	-15.43	92.25	-737.41	-682.28	37.13
206.63												
		23	2.25	-1.72	-41.09	-41.01	-1.80	1.69	-22.23	-1078.40	-749.68	-350.95
489.01												
39	13	61	1.24	-0.45	-7.54	-1.00	-6.99	-1.91	455.26	-378.67	-261.08	337.68 -
290.23												
		107	0.68	15.48	-15.17	-0.84	1.14	15.29	-38.52	-315.30	-314.37	-39.45-15.98
		106	1.15	51.40	-1.63	45.93	3.84	16.13	434.23	-28.21	286.10	119.93 -
215.78												
		23	1.89	45.62	2.28	45.59	2.31	-0.99	904.33	-121.10	340.45	442.78 -
510.16												
39	14	61	1.51	-1.01	-2.88	-1.99	-1.90	-0.94	391.92	-625.77	-374.46	140.61 -
438.86												
		107	0.77	8.53	-5.78	-1.91	4.66	6.36	-12.54	-397.39	-394.37	-15.57 34.00
		106	1.34	22.30	0.13	20.14	2.28	6.57	708.84	198.08	694.63	212.29-84.00
		23	1.78	20.13	1.68	20.11	1.70	-0.64	962.78	70.56	718.51	314.83 -
397.83												
39	15	61	1.22	5.12	1.19	4.12	2.19	1.72	341.70	-468.52	-63.33	-63.49
405.11												
		107	0.42	7.03	-8.28	3.90	-5.15	-6.18	185.27	-48.85	-27.08	163.49-68.00
		106	2.09	-0.16	-19.67	-17.25	-2.58	-6.42	-49.43	-1123.52	-1117.23	-55.72 81.94
		23	2.31	-1.04	-17.18	-17.07	-1.16	1.36	-106.58	-1280.83	-1157.35	-230.06
360.21												
39	16	61	0.78	8.07	1.86	3.18	6.75	2.54	18.49	-442.69	-180.82	-243.38
228.46												
		107	0.63	14.72	-13.83	2.87	-1.98	-14.07	194.87	-119.27	-117.79	193.39-21.54
		106	1.76	1.43	-45.28	-39.93	-3.91	-14.87	90.94	-709.19	-655.86	37.61
199.55												
		23	2.23	-1.75	-39.55	-39.48	-1.83	1.68	7.37	-1071.31	-720.07	-343.88
505.48												
39	17	61	1.20	-0.49	-7.26	-1.02	-6.73	-1.83	438.47	-368.42	-259.03	329.08 -
276.22												
		107	0.66	15.04	-14.59	-0.86	1.31	14.77	-41.70	-309.77	-309.01	-42.46-14.22
		106	1.12	49.65	-1.55	44.37	3.73	15.58	409.73	-30.60	259.68	119.44 -
208.70												
		23	1.90	44.08	2.31	44.06	2.34	-0.98	903.60	-157.04	310.84	435.71 -
526.63												
39	18	61	1.55	-1.05	-3.08	-1.97	-2.16	-1.01	409.97	-637.29	-376.52	149.20 -
452.87												
		107	0.78	8.88	-6.28	-1.88	4.48	6.88	-9.90	-402.39	-399.73	-12.56 32.24
		106	1.41	24.04	0.05	21.69	2.40	7.13	736.88	196.95	721.05	212.78-91.08
		23	1.80	21.67	1.65	21.65	1.67	-0.65	971.87	98.14	748.12	321.89 -
381.36												
39	19	61	1.21	5.04	1.20	3.95	2.29	1.73	338.00	-462.69	-63.39	-61.31
400.34												
		107	0.47	6.95	-8.76	3.75	-5.56	-6.33	169.80	-30.64	-29.91	169.07-12.07
		106	2.63	48.77	-3.46	47.93	-2.62	-6.59	-50.00	-1101.92	-1095.30	-56.63 83.23
		23	2.74	47.61	-1.26	47.57	-1.22	1.40	-87.01	-1279.32	-1134.31	-232.02
389.70												
39	20	61	0.85	8.65	1.69	2.97	7.37	2.69	37.43	-472.56	-176.76	-258.38
251.71												
		107	0.75	15.76	-15.12	2.68	-2.04	-15.26	197.62	-114.57	-109.90	192.95 37.92
		106	1.92	29.81	-11.85	22.14	-4.17	-16.15	94.87	-745.90	-686.77	35.74
215.00												
		23	2.00	22.21	-1.95	22.08	-1.83	1.74	-18.40	-1097.82	-756.25	-359.97
502.03												
39	21	61	1.27	-0.26	-7.90	-0.81	-7.35	-1.99	466.93	-385.93	-263.08	344.08 -
299.47												
		107	0.83	16.36	-15.64	-0.67	1.38	15.97	-23.52	-335.40	-316.90	-42.02-73.67

		106	1.34	13.19	-26.90	-17.70	3.99	16.86	445.54	-33.64	290.58	121.32	-
224.14													
		23	1.69	2.39	-17.56	-17.50	2.34	-1.04	925.21	-126.38	347.02	451.80	-
523.18													
39	22	61	1.54	-0.98	-3.08	-1.80	-2.27	-1.02	404.22	-633.67	-376.46	147.01	-
448.11													
		107	0.73	9.35	-6.20	-1.74	4.89	7.03	-16.66	-398.37	-396.89	-18.14	-23.69
		106	1.82	3.57	-44.62	-43.49	2.44	7.30	716.10	196.70	699.12	213.68	-92.37
		23	2.08	1.74	-43.00	-42.99	1.73	-0.69	981.68	67.25	725.08	323.85	-
410.86													
39	23	61	1.25	5.17	1.31	3.93	2.55	1.80	348.76	-479.99	-61.33	-69.90	
414.35													
		107	0.46	7.40	-9.06	3.73	-5.39	-6.85	166.61	-25.10	-24.55	166.06	-10.31
		106	2.66	47.39	-3.75	46.37	-2.73	-7.15	-49.51	-1129.32	-1121.71	-57.11	90.31
		23	2.74	46.07	-1.23	46.03	-1.19	1.41	-107.25	-1295.75	-1163.92	-239.08	
373.23													
39	24	61	0.81	8.39	1.71	2.99	7.11	2.62	26.03	-454.64	-178.82	-249.78	
237.70													
		107	0.75	15.19	-14.70	2.70	-2.22	-14.74	200.10	-119.40	-115.26	195.95	36.15
		106	1.88	30.69	-11.06	23.69	-4.06	-15.59	93.56	-717.69	-660.35	36.22	
207.92													
		23	2.02	23.74	-1.98	23.62	-1.86	1.73	11.37	-1090.92	-726.64	-352.91	
518.50													
39	25	61	1.23	-0.29	-7.63	-0.83	-7.09	-1.92	450.09	-375.62	-261.03	335.49	-
285.46													
		107	0.80	15.92	-15.06	-0.69	1.55	15.45	-26.86	-329.71	-311.54	-45.02	-71.91
		106	1.30	12.30	-27.67	-19.25	3.88	16.30	421.09	-36.09	264.17	120.83	-
217.07													
		23	1.73	2.42	-19.09	-19.04	2.37	-1.03	924.47	-162.32	317.41	444.74	-
539.65													
39	26	61	1.58	-1.00	-3.31	-1.77	-2.53	-1.09	422.28	-645.19	-378.52	155.61	-
462.11													
		107	0.74	9.72	-6.71	-1.71	4.72	7.56	-13.46	-403.92	-402.25	-15.13	-25.45
		106	1.84	3.89	-43.28	-41.93	2.55	7.85	744.19	195.51	725.53	214.17	-99.45
		23	2.07	1.71	-41.46	-41.45	1.70	-0.70	990.50	95.11	754.69	330.92	-
394.38													
39	27	61	1.17	3.54	-7.17	3.49	-7.12	-0.73	517.28	-206.48	-1.61	312.42	
326.04													
		107	0.73	11.39	-15.05	3.51	-7.16	12.10	135.46	-106.69	-37.79	66.56	-
109.26													
		106	2.48	40.31	-2.80	35.96	1.56	12.99	-69.59	-1117.62	-1085.51	-101.69	-
180.59													
		23	2.49	35.59	0.74	35.59	0.74	0.13	162.75	-1058.38	-1054.93	159.30	-64.75
39	28	61	0.89	10.43	-0.40	0.21	9.82	2.50	-191.69	-532.31	-379.53	-344.48	-
169.41													
		107	0.91	20.08	-15.58	-0.06	4.56	-17.68	153.35	-311.62	-304.43	146.16	57.37
		106	1.73	3.08	-56.72	-50.00	-3.63	-18.88	502.23	-19.78	276.26	206.19	
258.64													
		23	1.66	-1.25	-49.38	-49.35	-1.28	1.28	358.50	-420.45	205.25	-267.20	
309.65													
39	29	61	1.04	2.21	-10.06	1.94	-9.79	-1.79	458.70	-88.83	-60.32	430.19	
121.64													
		107	0.85	17.17	-20.32	2.08	-5.23	18.38	53.95	-171.55	-122.37	4.77	-93.12
		106	2.38	61.10	-3.21	54.44	3.45	19.59	50.11	-771.68	-672.44	-49.14	-
267.79													
		23	2.45	53.93	1.78	53.93	1.79	-0.57	460.80	-716.25	-614.48	359.03	-
330.81													
39	30	61	1.29	7.38	-1.57	-1.33	7.14	1.43	56.01	-720.95	-438.24	-226.71	-
373.81													
		107	0.84	14.58	-9.57	-1.49	6.50	-11.39	95.52	-400.16	-389.01	84.37	73.50
		106	1.72	2.67	-35.93	-31.52	-1.74	-12.28	749.26	198.82	689.33	258.74	
171.45													
		23	1.65	-0.22	-31.02	-31.01	-0.23	0.58	648.36	-70.13	645.71	-67.47	43.60
39	31	61	1.18	3.48	-7.06	3.43	-7.01	-0.70	518.58	-209.10	-1.01	310.50	
328.82													
		107	0.68	11.15	-14.93	3.45	-7.24	11.90	120.87	-90.57	-37.03	67.33	-91.95
		106	2.78	57.93	-1.38	55.04	1.51	12.77	-70.89	-1118.07	-1086.86	-102.11	-
178.08													
		23	2.81	54.52	0.73	54.52	0.73	0.14	159.64	-1059.95	-1056.91	156.59	-60.85
39	32	61	0.89	10.54	-0.46	0.15	9.93	2.52	-195.24	-530.09	-378.93	-346.41	-
166.63													
		107	0.95	20.21	-15.84	-0.11	4.49	-17.88	158.98	-315.73	-303.67	146.93	74.67

		106	1.56	6.16	-40.75	-30.92	-3.68	-19.10	503.77	-23.09	274.91	205.78	261.15
		23	1.42	-1.23	-30.48	-30.42	-1.29	1.29	359.49	-426.12	203.28	-269.91	313.56
39	33	61	1.04	2.27	-10.17	2.00	-9.90	-1.82	459.28	-88.08	-60.92	432.11	118.87
		107	0.91	17.43	-20.45	2.13	-5.15	18.59	67.86	-186.98	-123.13	4.00	-110.43
		106	2.13	44.84	-5.99	35.36	3.49	19.80	52.28	-772.09	-671.09	-48.72	-270.30
		23	2.17	35.01	1.79	35.00	1.80	-0.59	465.65	-716.42	-612.51	361.74	-334.71
39	34	61	1.29	7.27	-1.51	-1.28	7.04	1.41	59.68	-723.30	-438.84	-224.79	-376.58
		107	0.84	14.45	-9.32	-1.44	6.57	-11.19	90.18	-396.35	-389.77	83.60	56.19
		106	1.99	1.12	-53.42	-50.60	-1.69	-12.06	748.95	200.89	690.68	259.16	168.94
		23	1.97	-0.22	-49.95	-49.94	-0.22	0.56	649.89	-66.97	647.68	-64.76	39.70
39	35	61	1.25	3.44	-6.28	3.42	-6.25	-0.49	542.41	-253.38	5.25	283.78	372.73
		107	0.65	9.93	-13.09	3.43	-6.59	10.36	128.52	-91.92	-19.93	56.53	-103.38
		106	2.50	34.49	-2.54	30.77	1.18	11.13	-80.75	-1196.13	-1173.57	-103.30	-157.01
		23	2.57	30.47	0.85	30.47	0.85	0.16	146.77	-1164.65	-1153.64	135.75	-119.67
39	36	61	0.96	9.50	-0.27	0.28	8.95	2.26	-132.16	-570.07	-386.38	-315.84	-216.09
		107	0.89	18.06	-14.07	7.09e-03	3.99	-15.94	161.66	-327.77	-322.29	156.18	51.49
		106	1.68	2.82	-50.90	-44.82	-3.26	-17.02	533.80	38.32	364.32	207.81	235.05
		23	1.79	-1.35	-44.26	-44.23	-1.39	1.25	486.09	-425.79	303.96	-243.65	364.57
39	37	61	1.03	2.09	-9.14	1.87	-8.93	-1.55	457.05	-108.96	-53.46	401.55	168.33
		107	0.77	15.65	-18.30	2.01	-4.65	16.64	45.49	-155.25	-104.51	-5.25	-87.24
		106	2.36	55.28	-2.95	49.26	3.07	17.73	25.15	-836.40	-760.50	-50.75	-244.20
		23	2.56	48.81	1.89	48.80	1.90	-0.54	462.08	-839.78	-713.19	335.49	-385.72
39	38	61	1.40	6.46	-1.45	-1.26	6.28	1.19	116.68	-759.84	-445.09	-198.07	-420.49
		107	0.86	12.58	-8.08	-1.42	5.92	-9.65	103.36	-415.84	-406.87	94.40	67.62
		106	1.72	2.41	-30.11	-26.33	-1.36	-10.42	816.69	221.06	777.39	260.36	147.86
		23	1.73	-0.33	-25.90	-25.89	-0.34	0.55	756.54	-56.05	744.42	-43.92	98.51
39	39	61	1.25	3.38	-6.17	3.36	-6.14	-0.46	543.91	-256.21	5.85	281.85	375.50
		107	0.60	9.69	-12.97	3.38	-6.66	10.16	113.25	-75.11	-19.17	57.30	-86.07
		106	2.80	52.19	-1.20	49.86	1.14	10.91	-81.88	-1196.75	-1174.92	-103.72	-154.50
		23	2.88	49.40	0.84	49.40	0.84	0.17	143.36	-1165.93	-1155.61	133.05	-115.76
39	40	61	0.95	9.61	-0.33	0.22	9.06	2.28	-135.76	-567.79	-385.78	-317.76	-213.32
		107	0.93	18.20	-14.33	-0.04	3.92	-16.14	166.65	-331.23	-321.53	156.95	68.80
		106	1.49	6.05	-35.08	-25.73	-3.30	-17.24	535.16	35.20	362.97	207.39	237.56
		23	1.56	-1.33	-25.36	-25.30	-1.40	1.27	487.10	-431.47	301.99	-246.36	368.47
39	41	61	1.03	2.15	-9.26	1.93	-9.03	-1.58	457.09	-107.68	-54.06	403.47	165.56
		107	0.83	15.91	-18.43	2.06	-4.58	16.85	60.08	-171.37	-105.27	-6.02	-104.55
		106	2.10	39.12	-5.83	30.17	3.12	17.95	27.08	-836.57	-759.15	-50.34	-246.71
		23	2.29	29.89	1.89	29.87	1.91	-0.56	467.03	-840.06	-711.21	338.19	-389.62
39	42	61	1.40	6.35	-1.39	-1.21	6.17	1.17	120.35	-762.19	-445.69	-196.15	-423.27
		107	0.87	12.46	-7.83	-1.37	6.00	-9.45	98.63	-412.63	-407.63	93.63	50.32
		106	2.00	0.93	-47.67	-45.42	-1.32	-10.20	816.74	222.77	778.74	260.77	

145.35													
		23	2.04	-0.32	-44.82	-44.82	-0.33	0.53	757.59	-52.42	746.39	-41.22	94.61
39	43	61	0.92	4.18	0.80	3.47	1.52	1.38	240.19	-372.70	-98.47	-34.04	
304.75													
		107	0.43	5.28	-6.25	3.29	-4.26	-4.36	162.28	-85.41	-70.74	147.61	-58.46
		106	1.67	-0.21	-13.60	-11.84	-1.97	-4.53	-23.07	-908.05	-904.23	-26.90	58.04
		23	1.85	-0.78	-11.81	-11.69	-0.90	1.14	-66.06	-1036.18	-935.05	-167.20	
296.46													
39	44	61	0.65	6.67	1.57	2.72	5.52	2.13	-2.09	-376.25	-188.16	-190.19	
187.08													
		107	0.56	12.08	-11.10	2.45	-1.48	-11.42	167.58	-135.05	-133.86	166.39	-18.97
		106	1.52	1.17	-36.60	-32.22	-3.20	-12.09	85.81	-620.62	-581.05	46.25	
162.43													
		23	1.83	-1.29	-31.90	-31.83	-1.35	1.41	-25.43	-879.11	-636.09	-268.44	
385.23													
39	45	61	1.05	-0.18	-5.88	-0.57	-5.50	-1.43	365.28	-341.08	-251.69	275.90	-
234.84													
		107	0.61	12.33	-11.96	-0.44	0.81	12.13	-14.45	-293.96	-292.94	-15.46	-16.78
		106	0.95	40.97	-1.29	36.66	3.02	12.79	323.36	-27.69	184.87	110.81	-
171.57													
		23	1.47	36.43	1.85	36.41	1.86	-0.70	705.39	-118.25	226.87	360.28	-
406.38													
39	46	61	1.25	-0.72	-2.08	-1.32	-1.49	-0.67	310.40	-532.03	-341.37	119.75	-
352.51													
		107	0.68	6.78	-4.46	-1.27	3.59	5.07	4.75	-357.49	-356.06	3.32	22.70
		106	0.99	17.97	0.09	16.28	1.79	5.24	521.42	170.58	508.05	183.95	-67.18
		23	1.37	16.28	1.39	16.27	1.41	-0.43	736.91	47.94	525.82	259.03	-
317.61													
39	47	61	0.96	4.27	0.91	3.46	1.72	1.44	248.24	-385.95	-96.85	-40.86	
315.86													
		107	0.42	5.61	-6.46	3.27	-4.12	-4.77	159.62	-80.89	-66.50	145.22	-57.06
		106	1.72	-0.15	-14.98	-13.07	-2.06	-4.97	-22.79	-929.71	-925.22	-27.28	63.65
		23	1.89	-0.76	-13.02	-12.91	-0.87	1.15	-81.29	-1050.11	-958.58	-172.83	
283.38													
39	48	61	0.62	6.47	1.58	2.73	5.32	2.08	-10.58	-362.57	-189.78	-183.37	
175.97													
		107	0.57	11.63	-10.77	2.47	-1.61	-11.01	170.13	-139.45	-138.10	168.79	-20.37
		106	1.47	1.11	-35.22	-30.99	-3.11	-11.65	84.77	-598.20	-560.07	46.63	
156.82													
		23	1.81	-1.31	-30.68	-30.62	-1.38	1.40	-2.68	-872.69	-612.56	-262.81	
398.31													
39	49	61	1.02	-0.21	-5.66	-0.58	-5.29	-1.37	352.19	-333.18	-250.06	269.07	-
223.73													
		107	0.59	11.98	-11.49	-0.45	0.95	11.72	-16.99	-289.57	-288.70	-17.86	-15.39
		106	0.93	39.59	-1.23	35.43	2.93	12.35	305.25	-30.94	163.89	110.42	-
165.96													
		23	1.48	35.21	1.88	35.20	1.89	-0.70	705.22	-147.24	203.34	354.64	-
419.46													
39	50	61	1.28	-0.74	-2.25	-1.30	-1.70	-0.73	324.62	-541.05	-343.00	126.57	-
363.62													
		107	0.69	7.06	-4.87	-1.26	3.45	5.48	6.95	-361.54	-360.31	5.71	21.30
		106	1.05	19.35	0.03	17.51	1.88	5.68	543.78	169.59	529.03	184.33	-72.80
		23	1.38	17.50	1.37	17.49	1.38	-0.44	743.16	70.85	549.35	264.66	-
304.53													
39	51	61	0.95	4.19	0.92	3.31	1.80	1.44	245.26	-381.35	-97.14	-38.95	
311.95													
		107	0.44	5.53	-6.82	3.15	-4.44	-4.88	150.46	-69.69	-68.85	149.62	-13.58
		106	2.17	38.83	-2.72	38.20	-2.09	-5.09	-22.99	-912.27	-907.55	-27.71	64.63
		23	2.24	37.97	-0.96	37.93	-0.92	1.18	-66.60	-1047.81	-940.09	-174.32	
306.74													
39	52	61	0.67	6.91	1.45	2.56	5.80	2.20	3.36	-385.29	-186.82	-195.10	
194.28													
		107	0.65	12.43	-11.78	2.31	-1.66	-11.94	170.62	-134.18	-131.96	168.40	25.91
		106	1.59	23.73	-9.23	17.82	-3.32	-12.65	87.92	-626.87	-584.37	45.43	
169.02													
		23	1.63	17.89	-1.49	17.79	-1.38	1.45	-22.64	-894.06	-641.14	-275.57	
395.51													
39	53	61	1.07	-0.02	-6.16	-0.41	-5.78	-1.49	374.21	-346.43	-253.03	280.81	-
242.04													
		107	0.72	13.01	-12.32	-0.30	0.99	12.65	-4.38	-307.93	-294.84	-17.47	-61.66
		106	1.02	10.58	-20.82	-13.38	3.13	13.35	332.14	-32.32	188.19	111.62	-
178.16													

		23	1.35	1.92	-13.24	-13.21	1.89	-0.74	721.79	-122.48	231.91	367.40	-
416.66													
39	54	61	1.27	-0.67	-2.26	-1.16	-1.77	-0.74	319.93	-537.98	-342.71	124.66	-
359.71													
		107	0.66	7.42	-4.78	-1.13	3.77	5.59	2.67	-359.32	-357.95	1.31	-22.18
		106	1.35	2.83	-34.68	-33.76	1.91	5.80	527.26	168.88	511.37	184.77	-73.77
		23	1.59	1.44	-33.36	-33.35	1.43	-0.47	752.11	44.91	530.87	266.15	-
327.89													
39	55	61	0.98	4.29	1.01	3.30	2.00	1.50	253.37	-394.66	-95.51	-45.78	
323.06													
		107	0.44	5.88	-7.05	3.13	-4.30	-5.29	147.92	-65.30	-64.60	147.22	-12.18
		106	2.19	37.74	-2.95	36.97	-2.18	-5.53	-22.65	-933.98	-928.54	-28.10	70.24
		23	2.24	36.75	-0.93	36.71	-0.89	1.19	-82.12	-1061.45	-963.62	-179.95	
293.66													
39	56	61	0.64	6.71	1.47	2.58	5.60	2.14	-5.19	-371.53	-188.44	-188.28	
183.17													
		107	0.65	11.98	-11.44	2.33	-1.79	-11.53	172.74	-138.15	-136.21	170.79	24.51
		106	1.56	24.43	-8.61	19.05	-3.23	-12.20	86.88	-604.45	-563.39	45.81	
163.41													
		23	1.65	19.10	-1.51	19.00	-1.41	1.44	0.26	-887.81	-617.61	-269.93	
408.59													
39	57	61	1.04	-0.05	-5.95	-0.42	-5.57	-1.44	361.06	-338.48	-251.40	273.99	-
230.93													
		107	0.70	12.66	-11.85	-0.31	1.13	12.23	-7.05	-303.40	-290.59	-19.86	-60.26
		106	0.99	9.86	-21.42	-14.61	3.05	12.91	314.03	-35.58	167.21	111.24	-
172.55													
		23	1.39	1.95	-14.46	-14.42	1.91	-0.74	721.61	-151.46	208.38	361.77	-
429.74													
39	58	61	1.30	-0.66	-2.46	-1.15	-1.97	-0.79	334.16	-547.01	-344.34	131.48	-
370.83													
		107	0.67	7.71	-5.19	-1.12	3.63	6.00	5.22	-363.71	-362.20	3.71	-23.57
		106	1.38	3.09	-33.62	-32.53	2.00	6.24	549.65	167.86	532.36	185.15	-79.39
		23	1.58	1.41	-32.14	-32.13	1.40	-0.48	758.16	68.02	554.40	271.78	-
314.81													
39	59	61	0.95	2.96	-5.64	2.93	-5.61	-0.48	399.89	-190.75	-47.47	256.62	
253.17													
		107	0.63	9.19	-11.97	2.95	-5.73	9.65	111.93	-118.18	-74.88	68.63	-89.94
		106	2.05	32.35	-2.23	28.92	1.20	10.35	-39.89	-924.23	-900.09	-64.04	-
144.11													
		23	2.06	28.65	0.60	28.65	0.60	0.18	138.32	-879.93	-877.16	135.54	-53.10
39	60	61	0.74	8.27	-0.09	0.43	7.74	2.03	-160.10	-450.20	-346.41	-263.89	-
139.06													
		107	0.78	15.85	-12.13	0.18	3.54	-13.89	135.35	-289.39	-285.26	131.22	41.68
		106	1.31	2.43	-44.34	-39.03	-2.88	-14.84	382.33	-25.38	177.17	179.78	
203.85													
		23	1.24	-0.89	-38.53	-38.50	-0.92	1.08	249.84	-332.44	119.36	-201.95	
242.80													
39	61	61	0.87	1.90	-7.90	1.72	-7.72	-1.33	367.67	-111.51	-93.43	349.60	91.30
		107	0.72	13.72	-16.09	1.84	-4.21	14.60	50.87	-172.70	-141.54	19.71	-77.43
		106	1.95	48.72	-2.55	43.47	2.70	15.54	50.05	-646.13	-573.35	-22.73	-
213.00													
		23	2.02	43.08	1.43	43.08	1.43	-0.37	371.21	-606.01	-528.58	293.78	-
263.95													
39	62	61	1.06	5.85	-0.99	-0.78	5.64	1.19	39.02	-602.30	-392.38	-170.91	-
300.93													
		107	0.75	11.49	-7.37	-0.94	5.06	-8.94	88.96	-358.58	-351.92	82.30	54.18
		106	1.29	2.11	-27.97	-24.48	-1.39	-9.64	557.98	167.02	503.90	221.09	
134.97													
		23	1.22	-0.08	-24.08	-24.07	-0.09	0.53	469.92	-45.70	467.93	-43.71	31.95
39	63	61	0.96	2.91	-5.55	2.89	-5.53	-0.46	400.73	-192.66	-47.07	255.14	
255.33													
		107	0.60	9.01	-11.88	2.91	-5.78	9.49	102.34	-107.42	-74.31	69.23	-76.47
		106	2.28	46.23	-1.13	43.93	1.17	10.18	-40.80	-924.57	-901.08	-64.28	-
142.13													
		23	2.31	43.53	0.60	43.53	0.60	0.19	135.87	-881.14	-878.67	133.40	-50.02
39	64	61	0.74	8.35	-0.14	0.39	7.82	2.05	-162.97	-448.40	-346.01	-265.36	-
136.90													
		107	0.81	15.96	-12.33	0.14	3.49	-14.05	139.00	-291.87	-284.69	131.82	55.14
		106	1.19	4.87	-31.81	-24.02	-2.92	-15.00	383.69	-27.98	176.18	179.53	
205.83													
		23	1.05	-0.88	-23.67	-23.61	-0.93	1.09	250.77	-337.01	117.84	-204.09	
245.89													

39	65	61	0.88	1.95	-7.98	1.77	-7.80	-1.35	368.26	-111.03	-93.84	351.07	89.14
		107	0.76	13.92	-16.20	1.88	-4.15	14.75	59.99	-182.99	-142.11	19.11	-90.90
		106	1.76	35.90	-4.71	28.46	2.74	15.71	51.59	-646.42	-572.36	-22.48	-214.97
		23	1.80	28.20	1.43	28.19	1.44	-0.39	374.97	-606.12	-527.07	295.92	-267.04
39	66	61	1.07	5.76	-0.94	-0.73	5.55	1.17	41.91	-604.12	-392.78	-169.43	-303.10
		107	0.75	11.40	-7.18	-0.90	5.11	-8.79	85.48	-356.27	-352.49	81.70	40.72
		106	1.50	0.87	-41.71	-39.49	-1.35	-9.47	557.51	168.72	504.90	221.34	132.99
		23	1.47	-0.08	-38.96	-38.95	-0.09	0.52	471.07	-43.20	469.45	-41.57	28.87
39	67	61	1.00	2.90	-4.94	2.89	-4.93	-0.30	417.24	-225.42	-42.05	233.87	290.21
		107	0.57	8.04	-10.41	2.90	-5.28	8.27	104.62	-104.70	-60.72	60.64	-85.28
		106	2.07	27.75	-2.03	24.82	0.91	8.88	-48.25	-987.09	-970.03	-65.31	-125.40
		23	2.12	24.59	0.69	24.59	0.69	0.20	125.42	-964.24	-955.59	116.77	-96.70
39	68	61	0.79	7.54	-3.79e-03	0.48	7.06	1.84	-111.90	-481.08	-351.83	-241.14	-176.10
		107	0.77	14.25	-10.94	0.23	3.09	-12.51	142.31	-302.52	-299.42	139.21	37.02
		106	1.27	2.22	-39.74	-34.93	-2.59	-13.37	402.15	26.03	247.12	181.06	185.14
		23	1.34	-0.98	-34.48	-34.44	-1.01	1.06	351.27	-336.66	197.79	-183.18	286.40
39	69	61	0.86	1.82	-7.18	1.68	-7.04	-1.14	363.34	-124.50	-88.01	326.85	128.34
		107	0.66	12.52	-14.49	1.79	-3.76	13.22	42.84	-158.50	-127.38	11.72	-72.78
		106	1.95	44.12	-2.34	39.37	2.41	14.07	31.90	-699.21	-643.30	-24.00	-194.28
		23	2.11	39.02	1.52	39.02	1.52	-0.35	371.66	-703.66	-607.01	275.01	-307.55
39	70	61	1.15	5.13	-0.90	-0.73	4.96	1.00	87.31	-633.26	-397.80	-148.16	-337.97
		107	0.77	9.91	-6.19	-0.89	4.61	-7.57	95.60	-371.39	-366.08	90.29	49.52
		106	1.29	1.90	-23.37	-20.38	-1.09	-8.17	608.83	187.40	573.85	222.37	116.26
		23	1.28	-0.17	-20.02	-20.01	-0.18	0.51	556.18	-34.76	546.36	-24.94	75.55
39	71	61	1.01	2.85	-4.86	2.84	-4.85	-0.28	418.26	-227.52	-41.65	232.39	292.37
		107	0.53	7.86	-10.33	2.86	-5.33	8.12	94.58	-93.48	-60.15	61.24	-71.81
		106	2.30	41.69	-0.98	39.83	0.87	8.71	-49.04	-987.55	-971.03	-65.56	-123.42
		23	2.36	39.48	0.69	39.48	0.69	0.21	122.75	-965.22	-957.10	114.63	-93.62
39	72	61	0.79	7.63	-0.05	0.43	7.14	1.86	-114.78	-479.27	-351.43	-242.62	-173.94
		107	0.80	14.36	-11.14	0.19	3.03	-12.67	145.55	-304.58	-298.85	139.81	50.48
		106	1.13	4.79	-27.33	-19.92	-2.62	-13.54	403.42	23.52	246.13	180.81	187.12
		23	1.16	-0.96	-19.62	-19.56	-1.02	1.07	352.19	-341.23	196.27	-185.32	289.49
39	73	61	0.87	1.87	-7.27	1.72	-7.12	-1.16	363.55	-123.64	-88.42	328.32	126.17
		107	0.70	12.72	-14.59	1.83	-3.70	13.38	52.36	-169.20	-127.95	11.12	-86.24
		106	1.74	31.37	-4.57	24.36	2.44	14.24	33.26	-699.33	-642.31	-23.76	-196.26
		23	1.89	24.14	1.52	24.14	1.53	-0.36	375.51	-703.86	-605.50	277.15	-310.64
39	74	61	1.16	5.04	-0.86	-0.69	4.87	0.98	90.20	-635.08	-398.20	-146.69	-340.14
		107	0.77	9.81	-6.00	-0.85	4.66	-7.41	92.52	-369.48	-366.65	89.69	36.06
		106	1.50	0.72	-37.16	-35.39	-1.06	-8.00	608.68	188.79	574.85	222.61	114.28
		23	1.53	-0.17	-34.90	-34.90	-0.18	0.49	556.93	-31.86	547.87	-22.80	72.47
39	75	61	0.76	3.66	0.66	3.06	1.26	1.20	182.50	-322.76	-119.45	-20.81	247.77
		107	0.43	4.46	-5.15	2.90	-3.58	-3.55	146.05	-106.42	-95.46	135.10	-51.44
		106	1.44	-0.17	-10.89	-9.42	-1.65	-3.69	-5.88	-784.77	-781.90	-8.75	47.23
		23	1.58	-0.58	-9.40	-9.29	-0.70	1.00	-52.04	-886.62	-808.44	-130.21	243.16
39	76	61	0.55	5.62	1.39	2.44	4.57	1.83	-19.62	-323.81	-193.57	-149.86	150.52

		107	0.53	10.01	-9.09	2.21	-1.28	-9.39	151.80	-148.81	-147.63	150.62	-18.81
		106	1.32	0.96	-29.89	-26.27	-2.66	-9.93	81.59	-544.67	-514.78	51.70	
133.50													
		23	1.55	-1.02	-26.00	-25.94	-1.08	1.23	-26.54	-748.70	-561.34	-213.89	
316.54													
39	77	61	0.93	-9.12e-03	-4.82	-0.29	-4.54	-1.12	306.67	-317.37	-246.27	235.57	-
198.28													
		107	0.57	10.31	-9.89	-0.19	0.61	10.09	1.33	-280.20	-279.17	0.31	-16.95
		106	0.82	34.27	-1.08	30.71	2.48	10.64	254.78	-30.82	118.60	105.35	-
142.65													
		23	1.20	30.52	1.58	30.51	1.59	-0.52	575.24	-117.39	152.12	305.73	-
337.69													
39	78	61	1.08	-0.55	-1.59	-0.91	-1.23	-0.49	257.62	-471.50	-320.40	106.52	-
295.53													
		107	0.63	5.68	-3.65	-0.88	2.91	4.26	16.54	-332.05	-331.34	15.84	15.69
		106	0.77	15.26	0.06	13.86	1.46	4.40	399.32	152.20	385.71	165.81	-56.37
		23	1.10	13.87	1.20	13.86	1.21	-0.30	589.40	31.86	399.22	222.04	-
264.32													
39	79	61	0.79	3.73	0.75	3.05	1.43	1.25	188.73	-333.29	-118.11	-26.45	
256.95													
		107	0.42	4.73	-5.32	2.88	-3.47	-3.89	143.84	-102.67	-91.95	133.12	-50.29
		106	1.48	-0.13	-12.03	-10.44	-1.72	-4.05	-5.68	-802.63	-799.24	-9.07	51.87
		23	1.61	-0.57	-10.40	-10.29	-0.67	1.01	-64.17	-898.58	-827.89	-134.86	
232.36													
39	80	61	0.52	5.45	1.40	2.45	4.40	1.78	-25.98	-313.16	-194.92	-144.22	
141.34													
		107	0.53	9.64	-8.81	2.22	-1.39	-9.05	153.91	-152.45	-151.14	152.60	-19.96
		106	1.28	0.91	-28.75	-25.25	-2.59	-9.57	80.74	-526.16	-497.44	52.02	
128.87													
		23	1.53	-1.04	-24.99	-24.93	-1.10	1.22	-8.39	-742.75	-541.90	-209.24	
327.35													
39	81	61	0.91	-0.03	-4.64	-0.30	-4.37	-1.07	296.03	-311.03	-244.93	229.93	-
189.10													
		107	0.56	10.02	-9.50	-0.21	0.73	9.75	-0.76	-276.57	-275.66	-1.67	-15.79
		106	0.81	33.13	-1.03	29.69	2.40	10.28	241.17	-34.87	101.26	105.04	-
138.01													
		23	1.21	29.52	1.60	29.51	1.61	-0.52	575.40	-141.65	132.68	301.07	-
348.50													
39	82	61	1.11	-0.55	-1.75	-0.90	-1.40	-0.54	269.27	-478.85	-321.74	112.16	-
304.72													
		107	0.64	5.92	-3.99	-0.87	2.80	4.60	18.41	-335.45	-334.85	17.82	14.53
		106	0.81	16.40	0.01	14.88	1.54	4.76	417.84	151.34	403.05	166.13	-61.01
		23	1.11	14.88	1.18	14.87	1.18	-0.30	593.75	51.61	418.66	226.70	-
253.51													
39	83	61	0.78	3.66	0.76	2.93	1.49	1.25	186.40	-329.60	-118.33	-24.87	
253.73													
		107	0.44	4.67	-5.62	2.78	-3.73	-3.98	137.64	-94.77	-93.89	136.76	-14.31
		106	1.87	32.49	-2.25	31.98	-1.74	-4.15	-5.88	-788.20	-784.64	-9.44	52.67
		23	1.92	31.80	-0.75	31.77	-0.72	1.04	-52.75	-895.96	-812.61	-136.10	
251.67													
39	84	61	0.56	5.81	1.30	2.31	4.80	1.88	-15.53	-330.85	-192.45	-153.92	
156.48													
		107	0.59	10.30	-9.64	2.09	-1.43	-9.82	153.40	-147.18	-146.05	152.28	18.33
		106	1.38	19.90	-7.53	15.13	-2.76	-10.40	83.15	-549.66	-517.52	51.01	
138.95													
		23	1.39	15.22	-1.19	15.12	-1.10	1.26	-24.50	-760.80	-565.51	-219.78	
325.04													
39	85	61	0.95	0.12	-5.06	-0.16	-4.78	-1.17	313.94	-321.71	-247.39	239.63	-
204.24													
		107	0.65	10.87	-10.19	-0.08	0.76	10.52	8.75	-290.85	-280.75	-1.35	-54.08
		106	0.82	8.88	-16.99	-10.69	2.58	11.10	261.98	-34.60	121.34	106.04	-
148.09													
		23	1.14	1.63	-10.57	-10.54	1.61	-0.55	588.75	-120.85	156.28	311.61	-
346.19													
39	86	61	1.10	-0.47	-1.77	-0.78	-1.46	-0.55	265.44	-476.38	-321.52	110.58	-
301.49													
		107	0.61	6.21	-3.91	-0.77	3.06	4.69	15.49	-334.24	-332.92	14.17	-21.45
		106	1.05	2.35	-28.33	-27.54	1.56	4.86	404.51	150.44	388.46	166.50	-61.82
		23	1.26	1.23	-27.20	-27.19	1.23	-0.33	602.23	29.08	403.38	227.93	-
272.82													
39	87	61	0.81	3.74	0.84	2.92	1.66	1.30	192.70	-340.19	-116.98	-30.51	
262.91													

		107	0.43	4.95	-5.80	2.77	-3.62	-4.32	135.54	-91.14	-90.37	134.78	-13.15
		106	1.88	31.58	-2.43	30.97	-1.82	-4.52	-5.64	-806.10	-801.98	-9.76	57.31
		23	1.92	30.80	-0.73	30.77	-0.69	1.04	-65.11	-907.69	-832.05	-140.75	
240.86													
39	88	61	0.54	5.64	1.31	2.32	4.63	1.83	-22.00	-320.08	-193.80	-148.29	
147.29													
		107	0.59	9.93	-9.37	2.10	-1.54	-9.47	155.23	-150.53	-149.57	154.26	17.17
		106	1.35	20.49	-7.03	16.15	-2.68	-10.03	82.30	-531.15	-500.18	51.33	
134.31													
		23	1.41	16.22	-1.21	16.13	-1.12	1.26	-6.20	-755.00	-546.07	-215.13	
335.85													
39	89	61	0.92	0.10	-4.88	-0.17	-4.61	-1.13	303.26	-315.31	-246.05	233.99	-
195.06													
		107	0.63	10.59	-9.80	-0.09	0.88	10.18	6.54	-287.11	-277.24	-3.33	-52.93
		106	0.79	8.27	-17.48	-11.71	2.50	10.74	248.32	-38.59	104.00	105.72	-
143.45													
		23	1.17	1.65	-11.57	-11.55	1.63	-0.55	588.90	-145.09	136.84	306.96	-
357.00													
39	90	61	1.12	-0.46	-1.94	-0.77	-1.63	-0.60	277.09	-483.74	-322.86	116.22	-
310.67													
		107	0.62	6.46	-4.26	-0.75	2.95	5.03	17.60	-337.87	-336.43	16.15	-22.60
		106	1.07	2.57	-27.46	-26.53	1.63	5.22	423.03	149.58	405.80	166.81	-66.46
		23	1.26	1.21	-26.19	-26.19	1.20	-0.34	606.45	48.96	422.83	232.58	-
262.01													
39	91	61	0.82	2.63	-4.65	2.61	-4.64	-0.34	324.24	-182.12	-77.36	219.48	
205.11													
		107	0.57	7.76	-9.94	2.62	-4.79	8.04	99.97	-129.06	-98.89	69.81	-77.45
		106	1.77	27.12	-1.86	24.28	0.98	8.61	-20.39	-797.32	-778.36	-39.35	-
119.88													
		23	1.78	24.07	0.54	24.07	0.54	0.21	122.37	-762.90	-760.53	120.00	-45.74
39	92	61	0.64	6.88	0.06	0.54	6.40	1.74	-135.61	-399.51	-324.44	-210.69	-
119.06													
		107	0.70	13.09	-9.90	0.32	2.87	-11.42	124.04	-275.27	-272.79	121.56	31.34
		106	1.04	2.00	-36.28	-31.88	-2.40	-12.20	306.66	-32.46	112.03	162.17	
167.70													
		23	0.96	-0.69	-31.46	-31.43	-0.72	0.96	179.84	-275.65	63.14	-158.95	
198.84													
39	93	61	0.77	1.74	-6.51	1.61	-6.38	-1.04	308.39	-127.40	-115.41	296.40	71.30
		107	0.65	11.49	-13.33	1.69	-3.53	12.13	51.30	-175.94	-154.01	29.37	-67.10
		106	1.68	40.66	-2.12	36.32	2.22	12.91	50.83	-564.15	-508.21	-5.11	-
176.84													
		23	1.74	36.01	1.23	36.01	1.23	-0.25	312.45	-534.03	-472.36	250.78	-
220.00													
39	94	61	0.92	4.87	-0.67	-0.46	4.66	1.05	29.40	-525.66	-362.48	-133.77	-
252.88													
		107	0.69	9.46	-5.94	-0.61	4.13	-7.33	85.33	-332.11	-327.91	81.13	41.69
		106	1.01	1.73	-22.74	-19.84	-1.16	-7.90	433.82	144.75	382.18	196.40	
110.73													
		23	0.94	-0.02	-19.50	-19.49	-0.04	0.50	352.89	-29.75	351.30	-28.16	24.59
39	95	61	0.82	2.59	-4.58	2.58	-4.57	-0.32	324.80	-183.56	-77.02	218.26	
206.90													
		107	0.55	7.61	-9.86	2.59	-4.84	7.91	93.24	-121.36	-98.42	70.30	-66.31
		106	1.96	38.61	-0.95	36.70	0.95	8.47	-21.11	-797.63	-779.18	-39.55	-
118.25													
		23	1.98	36.39	0.54	36.39	0.54	0.22	120.34	-763.89	-761.78	118.23	-43.19
39	96	61	0.64	6.95	0.02	0.50	6.47	1.76	-138.00	-398.00	-324.10	-211.91	-
117.27													
		107	0.72	13.18	-10.07	0.29	2.82	-11.55	126.58	-276.85	-272.32	122.06	42.48
		106	0.96	4.05	-25.94	-19.46	-2.43	-12.34	307.81	-34.64	111.21	161.96	
169.33													
		23	0.81	-0.68	-19.17	-19.11	-0.73	0.97	180.69	-279.52	61.89	-160.71	
201.39													
39	97	61	0.77	1.78	-6.58	1.65	-6.45	-1.05	308.99	-127.12	-115.74	297.61	69.51
		107	0.68	11.65	-13.41	1.73	-3.49	12.26	57.72	-183.33	-154.48	28.87	-78.24
		106	1.51	30.03	-3.88	23.90	2.25	13.05	52.03	-564.33	-507.39	-4.91	-
178.47													
		23	1.56	23.70	1.23	23.69	1.24	-0.26	315.50	-534.07	-471.11	252.54	-
222.55													
39	98	61	0.92	4.79	-0.63	-0.42	4.59	1.03	31.79	-527.17	-362.82	-132.56	-
254.66													
		107	0.69	9.38	-5.78	-0.57	4.17	-7.20	82.90	-330.65	-328.38	80.63	30.55
		106	1.18	0.70	-34.09	-32.26	-1.13	-7.77	433.29	146.32	383.00	196.61	

109.10													
		23	1.14	-0.02	-31.82	-31.81	-0.03	0.49	353.83	-27.68	352.55	-26.40	22.04
39	99	61	0.85	2.58	-4.08	2.58	-4.07	-0.18	336.44	-208.63	-72.88	200.69	
235.72													
		107	0.52	6.81	-8.65	2.58	-4.42	6.90	93.23	-117.21	-87.19	63.21	-73.60
		106	1.78	23.32	-1.69	20.89	0.74	7.40	-26.93	-849.63	-836.16	-40.41	-
104.42													
		23	1.82	20.72	0.62	20.72	0.62	0.23	111.62	-832.47	-825.33	104.49	-81.77
39	100	61	0.69	6.28	0.14	0.58	5.84	1.59	-95.80	-425.01	-328.92	-191.90	-
149.67													
		107	0.70	11.77	-8.91	0.36	2.49	-10.28	129.98	-286.32	-284.49	128.16	27.49
		106	1.00	1.83	-32.48	-28.49	-2.16	-10.99	318.80	14.25	169.83	163.23	
152.24													
		23	1.05	-0.76	-28.11	-28.08	-0.79	0.94	263.50	-279.00	127.94	-143.44	
234.87													
39	101	61	0.76	1.68	-5.92	1.57	-5.81	-0.88	302.71	-136.03	-110.93	277.60	
101.91													
		107	0.59	10.50	-12.01	1.65	-3.16	10.99	44.22	-163.75	-142.31	22.77	-63.25
		106	1.68	36.85	-1.95	32.93	1.97	11.70	37.02	-609.20	-566.01	-6.17	-
161.38													
		23	1.81	32.66	1.30	32.66	1.30	-0.23	312.42	-614.32	-537.16	235.27	-
256.02													
39	102	61	0.99	4.27	-0.59	-0.42	4.10	0.89	69.25	-551.20	-366.97	-114.98	-
283.48													
		107	0.71	8.15	-4.96	-0.56	3.75	-6.19	91.05	-342.93	-339.61	87.73	37.84
		106	1.00	1.57	-18.94	-16.45	-0.92	-6.69	472.93	164.51	439.97	197.46	95.27
		23	0.99	-0.10	-16.15	-16.14	-0.11	0.48	424.51	-21.06	416.11	-12.66	60.61
39	103	61	0.85	2.54	-4.01	2.54	-4.01	-0.17	337.16	-210.23	-72.54	199.47	
237.51													
		107	0.49	6.66	-8.58	2.54	-4.46	6.77	86.26	-109.27	-86.72	63.70	-62.46
		106	1.98	34.86	-0.84	33.31	0.71	7.26	-27.56	-850.03	-836.98	-40.61	-
102.79													
		23	2.03	33.04	0.61	33.03	0.61	0.24	109.43	-833.29	-826.58	102.72	-79.21
39	104	61	0.69	6.35	0.10	0.54	5.91	1.60	-98.19	-423.50	-328.58	-193.11	-
147.88													
		107	0.72	11.86	-9.08	0.33	2.45	-10.41	132.24	-287.61	-284.02	128.66	38.63
		106	0.90	3.99	-22.25	-16.07	-2.18	-11.13	319.91	12.11	169.00	163.02	
153.87													
		23	0.90	-0.74	-15.82	-15.76	-0.80	0.95	264.33	-282.85	126.69	-145.21	
237.42													
39	105	61	0.76	1.72	-5.99	1.61	-5.88	-0.90	303.02	-135.46	-111.26	278.82	
100.12													
		107	0.62	10.66	-12.09	1.69	-3.12	11.12	50.85	-171.36	-142.78	22.27	-74.39
		106	1.50	26.28	-3.77	20.51	2.00	11.84	38.08	-609.23	-565.19	-5.97	-
163.01													
		23	1.63	20.34	1.31	20.34	1.31	-0.24	315.56	-614.44	-535.91	237.04	-
258.57													
39	106	61	1.00	4.20	-0.55	-0.38	4.03	0.87	71.64	-552.70	-367.30	-113.76	-
285.27													
		107	0.71	8.07	-4.80	-0.53	3.80	-6.06	88.89	-341.74	-340.08	87.23	26.70
		106	1.18	0.57	-30.33	-28.87	-0.89	-6.55	472.68	165.78	440.80	197.67	93.64
		23	1.19	-0.10	-28.46	-28.46	-0.10	0.47	425.09	-18.63	417.36	-10.89	58.06
45	1	160	0.16	-0.04	-0.09	-0.05	-0.08	0.02	30.07	-79.31	29.53	-78.76	-7.67
		115	0.17	-0.18	-0.72	-0.18	-0.72	0.02	31.10	-76.07	30.24	-75.21	-9.57
		15	0.17	0.41	-0.60	0.41	-0.60	0.02	26.66	-76.73	25.99	-76.06	-8.29
		116	0.16	0.54	0.04	0.54	0.04	0.02	25.67	-80.00	25.28	-79.61	-6.39
45	2	160	0.54	1.63	0.44	1.20	0.86	0.57	48.31	-291.32	36.88	-279.89	-61.26
		115	0.46	1.22	-0.43	0.99	-0.20	0.57	51.12	-239.61	45.96	-234.45	-38.36
		15	0.50	1.63	-0.30	1.44	-0.11	0.57	98.85	-225.68	97.35	-224.18	-22.05
		116	0.55	1.97	0.63	1.65	0.95	0.57	93.82	-275.17	88.26	-269.61	-44.95
45	3	160	0.12	-0.06	-0.08	-0.06	-0.08	6.27e-03	22.88	-57.09	22.58	-56.79	-4.89
		115	0.12	-0.16	-0.56	-0.16	-0.56	6.27e-03	23.56	-55.44	22.97	-54.85	-6.82
		15	0.12	0.30	-0.47	0.30	-0.47	6.27e-03	19.15	-56.21	18.65	-55.71	-6.12
		116	0.12	0.39	0.01	0.39	0.01	6.27e-03	18.49	-57.89	18.26	-57.66	-4.19
45	4	160	0.50	1.61	0.45	1.19	0.86	0.56	41.35	-269.34	29.92	-257.91	-58.48
		115	0.41	1.25	-0.29	1.01	-0.05	0.56	43.61	-219.01	38.69	-214.09	-35.61
		15	0.45	1.53	-0.19	1.32	0.02	0.56	91.34	-205.17	90.00	-203.83	-19.88
		116	0.51	1.84	0.59	1.51	0.93	0.56	86.70	-253.12	81.24	-247.65	-42.75
45	5	160	0.12	-0.04	-0.07	-0.05	-0.07	0.01	23.02	-59.30	22.66	-58.94	-5.46
		115	0.13	-0.15	-0.56	-0.15	-0.56	0.01	23.77	-57.18	23.13	-56.54	-7.12
		15	0.13	0.31	-0.47	0.31	-0.46	0.01	19.92	-57.80	19.41	-57.29	-6.26
		116	0.12	0.41	0.02	0.41	0.02	0.01	19.20	-59.95	18.93	-59.68	-4.60

45	6	160	0.37	1.07	0.28	0.79	0.56	0.38	34.99	-200.46	27.55	-193.02	-41.19
		115	0.32	0.78	-0.36	0.63	-0.21	0.38	37.08	-166.18	33.62	-162.71	-26.32
		15	0.35	1.11	-0.26	0.99	-0.14	0.38	68.04	-157.10	66.98	-156.04	-15.44
		116	0.38	1.35	0.43	1.15	0.63	0.38	64.58	-190.01	60.92	-186.35	-30.31
45	7	160	0.12	-0.04	-0.07	-0.05	-0.07	0.01	23.02	-59.30	22.66	-58.94	-5.46
		115	0.13	-0.15	-0.56	-0.15	-0.56	0.01	23.77	-57.18	23.13	-56.54	-7.12
		15	0.13	0.31	-0.47	0.31	-0.46	0.01	19.92	-57.80	19.41	-57.29	-6.26
		116	0.12	0.41	0.02	0.41	0.02	0.01	19.20	-59.95	18.93	-59.68	-4.60
45	8	160	0.30	0.73	0.17	0.54	0.37	0.27	31.13	-157.84	26.08	-152.79	-30.47
		115	0.26	0.49	-0.41	0.40	-0.32	0.27	33.05	-133.44	30.47	-130.86	-20.56
		15	0.28	0.85	-0.30	0.79	-0.24	0.27	53.60	-127.31	52.71	-126.41	-12.69
		116	0.30	1.05	0.33	0.93	0.45	0.27	50.88	-150.91	48.32	-148.35	-22.59
45	9	160	0.12	-0.04	-0.07	-0.05	-0.07	0.01	23.02	-59.30	22.66	-58.94	-5.46
		115	0.13	-0.15	-0.56	-0.15	-0.56	0.01	23.77	-57.18	23.13	-56.54	-7.12
		15	0.13	0.31	-0.47	0.31	-0.46	0.01	19.92	-57.80	19.41	-57.29	-6.26
		116	0.12	0.41	0.02	0.41	0.02	0.01	19.20	-59.95	18.93	-59.68	-4.60
45	10	160	0.27	0.62	0.14	0.45	0.31	0.23	29.87	-143.66	25.59	-139.39	-26.90
		115	0.24	0.39	-0.42	0.32	-0.35	0.23	31.71	-122.53	29.42	-120.24	-18.64
		15	0.26	0.77	-0.32	0.72	-0.27	0.23	48.79	-117.38	47.95	-116.54	-11.77
		116	0.28	0.95	0.29	0.85	0.39	0.23	46.32	-137.88	44.12	-135.68	-20.02
45	11	160	1.00	7.28	2.31	5.74	3.85	2.30	203.08	-454.53	188.51	-439.96	96.79
		115	0.69	13.60	5.73	6.48	12.86	-2.31	300.01	-104.99	192.92	2.09	
178.61													
		15	1.03	10.92	-3.41	-3.35	10.86	0.92	530.11	-120.00	298.67	111.44	
311.28													
		116	1.27	5.71	-7.87	-4.88	2.72	5.63	310.78	-534.31	217.40	-440.93	
264.94													
45	12	160	0.44	13.88	5.32	10.37	8.83	4.21	58.57	-162.12	2.39	-105.95	96.14
		115	0.94	32.62	11.69	13.75	30.56	-6.23	203.24	-262.66	-85.45	26.04	
226.18													
		15	0.97	26.03	-9.24	-9.17	25.96	1.60	402.62	-71.09	172.74	158.80	
236.75													
		116	0.85	11.08	-19.34	-13.26	4.99	12.17	275.05	-153.53	194.03	-72.51	
167.81													
45	13	160	0.67	-5.04	-12.64	-9.46	-8.22	-3.75	124.42	-248.45	48.80	-172.83	-
149.93													
		115	1.13	-10.90	-33.47	-13.10	-31.27	6.69	272.96	-395.19	144.30	-266.53	-
263.46													
		15	1.37	10.64	-26.53	10.61	-26.50	-1.13	69.88	-538.59	-76.84	-391.87	-
260.29													
		116	1.04	20.50	-9.76	14.96	-4.21	-11.70	60.68	-365.32	-105.79	-198.85	-
207.85													
45	14	160	0.67	-2.03	-6.03	-4.83	-3.23	-1.83	223.95	-200.09	-137.32	161.19	-
150.58													
		115	0.77	-4.95	-14.45	-5.84	-13.56	2.77	34.28	-410.93	-134.07	-242.58	-
215.90													
		15	1.19	4.80	-11.42	4.79	-11.41	-0.45	68.59	-615.88	-202.77	-344.51	-
334.82													
		116	1.08	9.02	-4.37	6.58	-1.94	-5.17	359.80	-319.40	-129.15	169.56	-
304.99													
45	15	160	1.00	7.57	2.47	5.94	4.09	2.38	200.81	-451.33	185.93	-436.45	97.36
		115	0.70	14.55	5.99	6.80	13.74	-2.52	300.53	-109.50	189.63	1.40	
182.13													
		15	1.05	11.67	-3.74	-3.68	11.61	0.93	537.12	-119.19	305.05	112.89	
313.78													
		116	1.26	5.96	-8.46	-5.34	2.83	5.94	310.84	-529.27	220.40	-438.83	
260.38													
45	16	160	0.44	13.58	5.17	10.16	8.59	4.13	59.13	-163.62	4.97	-109.46	95.56
		115	0.91	31.67	11.43	13.42	29.69	-6.02	201.51	-256.94	-82.17	26.74	
222.66													
		15	0.96	25.28	-8.91	-8.84	25.21	1.58	396.16	-72.44	166.37	157.35	
234.26													
		116	0.85	10.83	-18.76	-12.80	4.87	11.86	275.81	-159.39	191.03	-74.60	
172.37													
45	17	160	0.66	-4.89	-12.34	-9.26	-7.97	-3.67	122.63	-245.72	46.22	-169.32	-
149.36													
		115	1.12	-10.65	-32.52	-12.78	-30.39	6.48	267.41	-393.62	141.02	-267.23	-
259.95													
		15	1.35	10.31	-25.79	10.28	-25.75	-1.12	72.95	-533.84	-70.47	-390.42	-
257.79													
		116	1.04	19.92	-9.51	14.50	-4.09	-11.40	67.78	-367.32	-102.79	-196.76	-
212.42													

45	18	160	0.66	-2.19	-6.32	-5.04	-3.47	-1.91	221.77	-198.83	-134.75	157.68	-151.16
		115	0.78	-5.20	-15.40	-6.16	-14.44	2.98	40.00	-412.67	-130.79	-241.88	-219.41
		15	1.20	5.13	-12.17	5.12	-12.16	-0.47	66.62	-621.73	-209.15	-345.96	-337.31
		116	1.07	9.61	-4.62	7.04	-2.06	-5.47	353.37	-318.06	-132.16	167.47	-300.43
45	19	160	0.99	7.58	2.45	6.01	4.02	2.37	203.02	-446.56	187.47	-431.02	99.29
		115	0.70	14.73	5.98	6.82	13.89	-2.58	294.20	-109.01	185.17	0.02	179.09
		15	1.03	11.78	-3.85	-3.80	11.73	0.91	519.11	-123.06	291.24	104.81	307.25
		116	1.25	5.93	-8.60	-5.49	2.82	5.96	300.65	-529.64	204.75	-433.74	265.39
45	20	160	0.45	14.18	5.46	10.64	9.00	4.28	62.39	-158.04	1.35	-97.00	98.64
		115	0.95	33.75	11.93	14.09	31.60	-6.51	199.49	-268.72	-93.20	23.97	226.66
		15	0.97	26.89	-9.69	-9.62	26.82	1.59	391.55	-74.08	165.30	152.17	232.72
		116	0.85	11.30	-20.07	-13.86	5.09	12.50	266.65	-150.59	181.38	-65.33	168.25
45	21	160	0.69	-5.18	-12.94	-9.74	-8.38	-3.82	125.47	-257.40	49.84	-181.78	-152.43
		115	1.14	-11.15	-34.60	-13.44	-32.30	6.97	280.00	-392.41	152.05	-264.46	-263.94
		15	1.37	11.09	-27.40	11.06	-27.37	-1.12	73.69	-528.33	-69.40	-385.25	-256.26
		116	1.06	21.24	-9.99	15.57	-4.32	-12.04	66.22	-365.40	-93.14	-206.04	-208.29
45	22	160	0.67	-2.17	-6.34	-5.11	-3.40	-1.90	218.33	-202.37	-136.28	152.24	-153.09
		115	0.77	-5.19	-15.58	-6.18	-14.59	3.05	40.36	-407.19	-126.32	-240.51	-216.37
		15	1.18	5.25	-12.28	5.24	-12.27	-0.44	71.77	-604.99	-195.34	-337.89	-330.79
		116	1.08	9.75	-4.61	7.19	-2.04	-5.50	358.69	-312.82	-116.51	162.38	-305.43
45	23	160	0.99	7.87	2.60	6.22	4.26	2.45	200.77	-443.38	184.90	-427.50	99.87
		115	0.71	15.68	6.23	7.14	14.77	-2.79	294.76	-113.55	181.89	-0.68	182.61
		15	1.04	12.53	-4.18	-4.13	12.48	0.92	526.12	-122.25	297.61	106.26	309.75
		116	1.24	6.18	-9.18	-5.94	2.94	6.27	300.65	-524.55	207.75	-431.65	260.82
45	24	160	0.45	13.88	5.31	10.44	8.76	4.20	62.81	-159.39	3.93	-100.51	98.07
		115	0.93	32.80	11.68	13.76	30.72	-6.30	197.75	-263.00	-89.92	24.67	223.14
		15	0.95	26.15	-9.36	-9.29	26.08	1.57	385.09	-75.44	158.93	150.72	230.23
		116	0.86	11.05	-19.49	-13.41	4.97	12.20	267.53	-156.57	178.38	-67.42	172.81
45	25	160	0.68	-5.03	-12.64	-9.53	-8.14	-3.74	123.65	-254.65	47.26	-178.26	-151.86
		115	1.13	-10.89	-33.65	-13.12	-31.42	6.76	274.45	-390.84	148.77	-265.15	-260.42
		15	1.36	10.76	-26.65	10.73	-26.62	-1.11	76.79	-523.61	-63.03	-383.80	-253.76
		116	1.06	20.65	-9.74	15.11	-4.20	-11.73	73.29	-367.37	-90.14	-203.94	-212.86
45	26	160	0.66	-2.33	-6.63	-5.31	-3.64	-1.98	216.21	-201.18	-133.71	148.73	-153.66
		115	0.79	-5.44	-16.53	-6.50	-15.47	3.26	46.09	-408.93	-123.04	-239.81	-219.89
		15	1.20	5.58	-13.03	5.57	-13.02	-0.46	69.79	-610.84	-201.71	-339.34	-333.28
		116	1.07	10.34	-4.86	7.64	-2.16	-5.81	352.19	-311.42	-119.51	160.29	-300.87
45	27	160	1.65	-3.44	-7.73	-4.98	-6.19	-2.06	356.87	-736.27	356.75	-736.15	11.20
		115	1.11	-7.04	-25.06	-8.85	-23.25	5.42	502.28	-121.47	500.67	-119.87	-31.61
		15	1.17	8.33	-19.83	8.32	-19.82	-0.60	391.04	-196.84	314.17	-119.97	198.19

		116	1.64	15.48	-6.01	11.84	-2.36	-8.06	178.49	-832.96	131.54	-786.02	
212.79													
45	28	160	0.97	14.77	6.10	10.45	10.43	4.33	377.37	-263.78	-263.65	377.24	9.02
		115	1.04	38.33	12.82	15.37	35.78	-7.66	-2.12	-465.15	-427.24	-40.03	
126.95													
		15	0.82	30.56	-11.14	-11.07	30.49	1.67	53.74	-121.47	-105.62	37.89	-50.25
		116	0.93	11.94	-22.81	-16.09	5.22	13.73	471.52	24.17	53.66	442.03	-
111.00													
45	29	160	1.50	-5.80	-13.55	-9.54	-9.81	-3.87	318.89	-660.06	314.84	-656.01	-62.82
		115	1.34	-12.03	-39.18	-14.73	-36.48	8.12	523.35	-237.72	486.08	-200.45	-
164.23													
		15	1.33	12.54	-31.06	12.51	-31.03	-1.21	203.02	-272.47	201.52	-270.96	26.72
		116	1.48	23.98	-10.63	17.79	-4.44	-13.26	41.26	-720.06	34.58	-713.39	70.95
45	30	160	1.14	8.91	3.79	5.89	6.81	2.52	462.88	-311.06	-305.56	457.38	-64.99
		115	0.80	24.21	7.82	9.49	22.54	-4.96	-120.52	-441.92	-441.82	-120.62	-5.67
		15	0.83	19.32	-6.93	-6.88	19.28	1.06	62.19	-393.56	-218.27	-113.10	-
221.73													
		116	1.24	7.31	-14.30	-10.13	3.14	8.53	612.18	-140.83	-43.30	514.65	-
252.84													
45	31	160	1.64	-3.39	-7.65	-4.90	-6.14	-2.03	356.57	-733.60	356.44	-733.47	11.95
		115	1.10	-6.97	-24.72	-8.75	-22.94	5.34	499.94	-122.08	498.34	-120.49	-31.47
		15	1.17	8.20	-19.57	8.19	-19.56	-0.60	388.03	-198.04	311.94	-121.96	
196.98													
		116	1.63	15.26	-5.94	11.66	-2.33	-7.96	175.03	-831.14	127.75	-783.86	
212.93													
45	32	160	0.98	14.86	6.15	10.53	10.48	4.35	380.07	-264.11	-263.96	379.92	9.77
		115	1.05	38.67	12.89	15.47	36.09	-7.74	-2.80	-467.41	-429.56	-40.65	
127.09													
		15	0.83	30.82	-11.27	-11.21	30.75	1.67	52.43	-124.37	-107.85	35.90	-51.46
		116	0.94	12.01	-23.03	-16.27	5.25	13.83	473.22	20.83	49.86	444.19	-
110.87													
45	33	160	1.51	-5.85	-13.63	-9.62	-9.86	-3.89	319.28	-662.83	315.15	-658.70	-63.57
		115	1.35	-12.10	-39.52	-14.83	-36.79	8.21	525.65	-237.08	488.41	-199.83	-
164.38													
		15	1.33	12.68	-31.32	12.64	-31.29	-1.21	205.39	-270.62	203.75	-268.98	27.93
		116	1.49	24.20	-10.70	17.97	-4.47	-13.36	44.97	-722.14	38.38	-715.55	70.82
45	34	160	1.14	8.82	3.74	5.80	6.76	2.50	460.34	-310.90	-305.25	454.70	-65.74
		115	0.79	23.87	7.75	9.39	22.23	-4.87	-119.89	-439.60	-439.50	-120.00	-5.82
		15	0.82	19.06	-6.79	-6.75	19.02	1.06	63.09	-390.25	-216.04	-111.12	-
220.52													
		116	1.23	7.24	-14.08	-9.95	3.11	8.43	610.89	-137.90	-39.50	512.50	-
252.97													
45	35	160	1.61	-2.97	-6.71	-4.30	-5.38	-1.79	348.32	-724.61	348.16	-724.45	13.11
		115	1.07	-6.19	-21.89	-7.77	-20.32	4.72	490.37	-122.84	489.72	-122.19	-19.88
		15	1.16	7.24	-17.34	7.23	-17.33	-0.55	415.73	-195.46	335.41	-115.14	
206.50													
		116	1.62	13.52	-5.17	10.32	-1.97	-7.04	182.17	-819.66	141.56	-779.04	
197.59													
45	36	160	0.94	13.76	5.62	9.76	9.61	4.07	365.62	-255.14	-255.06	365.53	7.11
		115	0.98	35.17	11.97	14.29	32.85	-6.96	-5.40	-448.60	-416.29	-37.71	
115.22													
		15	0.79	28.06	-10.04	-9.97	27.99	1.62	52.21	-146.01	-126.86	33.05	-58.56
		116	0.91	11.11	-20.86	-14.57	4.82	12.71	457.24	21.46	43.64	435.06	-95.80
45	37	160	1.47	-5.32	-12.53	-8.86	-9.00	-3.60	310.14	-648.19	306.25	-644.31	-60.90
		115	1.30	-11.18	-36.01	-13.64	-33.55	7.42	507.87	-235.51	475.14	-202.78	-
152.51													
		15	1.30	11.45	-28.57	11.41	-28.54	-1.16	225.25	-268.63	222.76	-266.13	35.03
		116	1.46	22.02	-9.80	16.27	-4.04	-12.25	48.71	-710.53	44.60	-706.42	55.75
45	38	160	1.11	7.89	3.31	5.20	6.00	2.26	451.65	-302.96	-296.98	445.68	-66.91
		115	0.75	21.05	6.98	8.41	19.61	-4.26	-117.33	-431.84	-430.88	-118.29	-17.40
		15	0.83	16.83	-5.83	-5.79	16.78	1.01	59.20	-416.65	-239.51	-117.94	-
230.03													
		116	1.19	6.48	-12.35	-8.61	2.74	7.51	594.81	-140.44	-53.31	507.68	-
237.64													
45	39	160	1.61	-2.92	-6.63	-4.21	-5.33	-1.77	348.03	-721.94	347.85	-721.76	13.86
		115	1.06	-6.12	-21.55	-7.67	-20.01	4.64	488.04	-123.45	487.40	-122.81	-19.74
		15	1.16	7.10	-17.08	7.09	-17.07	-0.55	412.72	-196.66	333.18	-117.12	
205.29													
		116	1.61	13.30	-5.10	10.14	-1.94	-6.94	178.67	-817.80	137.76	-776.89	
197.72													
45	40	160	0.94	13.85	5.66	9.84	9.66	4.09	368.32	-255.47	-255.37	368.22	7.86
		115	0.98	35.51	12.04	14.39	33.16	-7.04	-6.07	-450.88	-418.62	-38.33	

115.37													
		15	0.80	28.32	-10.18	-10.11	28.25	1.62	50.91	-148.94	-129.09	31.07	-59.77
		116	0.92	11.18	-21.08	-14.75	4.85	12.81	459.04	18.02	39.85	437.21	-95.66
45	41	160	1.47	-5.37	-12.62	-8.94	-9.05	-3.63	310.53	-650.96	306.56	-646.99	-61.66
		115	1.30	-11.26	-36.35	-13.75	-33.86	7.50	510.18	-234.87	477.46	-202.16	-
152.65													
		15	1.30	11.58	-28.83	11.55	-28.80	-1.16	227.66	-266.81	224.99	-264.14	36.24
		116	1.47	22.24	-9.87	16.45	-4.08	-12.35	52.46	-712.64	48.39	-708.57	55.62
45	42	160	1.11	7.80	3.26	5.12	5.95	2.23	449.13	-302.80	-296.66	442.99	-67.66
		115	0.75	20.71	6.90	8.31	19.30	-4.17	-116.69	-429.54	-428.55	-117.67	-17.54
		15	0.83	16.57	-5.70	-5.65	16.52	1.01	60.11	-413.34	-237.28	-115.95	-
228.82													
		116	1.18	6.41	-12.13	-8.43	2.71	7.41	593.45	-137.44	-49.52	505.52	-
237.77													
45	43	160	0.84	5.89	1.86	4.63	3.13	1.87	161.38	-386.32	152.62	-377.57	68.68
		115	0.55	10.66	4.63	5.20	10.08	-1.77	229.40	-97.47	157.07	-25.14	
135.68													
		15	0.82	8.58	-2.54	-2.48	8.53	0.77	412.88	-104.19	246.20	62.49	
241.67													
		116	1.03	4.66	-6.10	-3.66	2.23	4.50	247.63	-442.11	181.35	-375.83	
203.28													
45	44	160	0.35	11.12	4.24	8.29	7.06	3.38	33.77	-144.53	3.55	-114.31	66.89
		115	0.74	25.70	9.34	10.95	24.09	-4.87	141.99	-210.49	-62.81	-5.69	
173.91													
		15	0.73	20.52	-7.15	-7.08	20.46	1.31	308.30	-61.72	146.61	99.98	
183.53													
		116	0.66	8.89	-15.16	-10.29	4.02	9.67	215.01	-137.46	162.11	-84.56	
125.89													
45	45	160	0.56	-3.96	-9.87	-7.38	-6.44	-2.92	102.25	-219.08	47.64	-164.47	-
120.69													
		115	0.94	-8.56	-26.54	-10.31	-24.79	5.34	219.77	-332.92	121.66	-234.80	-
211.19													
		15	1.12	8.55	-21.03	8.52	-21.00	-0.85	58.73	-442.50	-50.71	-333.05	-
207.07													
		116	0.85	16.32	-7.57	11.99	-3.24	-9.20	44.95	-305.61	-73.87	-186.80	-
165.93													
45	46	160	0.50	-1.59	-4.64	-3.72	-2.51	-1.40	156.87	-159.51	-101.43	98.79	-
122.48													
		115	0.64	-3.84	-11.50	-4.56	-10.79	2.23	25.83	-339.39	-98.22	-215.34	-
172.97													
		15	0.96	3.93	-9.08	3.92	-9.07	-0.31	52.04	-497.90	-150.29	-295.56	-
265.20													
		116	0.84	7.24	-3.32	5.37	-1.45	-4.03	268.30	-256.93	-93.11	104.47	-
243.33													
45	47	160	0.83	6.12	1.99	4.79	3.32	1.93	159.39	-383.79	150.47	-374.87	69.03
		115	0.57	11.41	4.83	5.46	10.78	-1.93	229.56	-100.83	154.46	-25.72	
138.47													
		15	0.84	9.17	-2.79	-2.74	9.12	0.79	418.54	-103.71	251.20	63.62	
243.70													
		116	1.02	4.85	-6.56	-4.03	2.32	4.74	247.82	-438.25	183.73	-374.17	
199.65													
45	48	160	0.35	10.88	4.12	8.13	6.87	3.32	34.86	-146.16	5.70	-117.00	66.54
		115	0.72	24.94	9.14	10.69	23.39	-4.71	140.67	-205.98	-60.20	-5.11	
171.12													
		15	0.72	19.93	-6.89	-6.82	19.87	1.30	302.98	-62.54	141.60	98.85	
181.51													
		116	0.66	8.70	-14.70	-9.93	3.93	9.43	215.35	-141.84	159.73	-86.22	
129.51													
45	49	160	0.56	-3.84	-9.64	-7.22	-6.25	-2.86	100.67	-216.95	45.49	-161.77	-
120.34													
		115	0.93	-8.35	-25.79	-10.05	-24.09	5.17	215.40	-331.73	119.05	-235.38	-
208.41													
		15	1.11	8.29	-20.43	8.26	-20.41	-0.84	61.24	-438.86	-45.70	-331.92	-
205.04													
		116	0.85	15.86	-7.38	11.63	-3.15	-8.96	50.52	-307.14	-71.49	-185.14	-
169.56													
45	50	160	0.50	-1.71	-4.87	-3.88	-2.70	-1.47	155.35	-158.53	-99.29	96.10	-
122.83													
		115	0.65	-4.05	-12.26	-4.82	-11.48	2.40	30.38	-340.76	-95.61	-214.76	-
175.75													
		15	0.98	4.19	-9.67	4.18	-9.66	-0.32	50.42	-502.43	-155.30	-296.70	-
267.23													

		116	0.84	7.71	-3.52	5.73	-1.54	-4.28	263.05	-255.74	-95.49	102.80	-
239.70													
45	51	160	0.83	6.13	1.97	4.84	3.26	1.92	161.13	-379.10	151.75	-369.72	70.55
		115	0.56	11.54	4.83	5.47	10.89	-1.98	223.89	-100.45	150.56	-27.11	
135.67													
		15	0.82	9.25	-2.88	-2.83	9.20	0.77	403.43	-106.46	240.08	56.89	
237.93													
		116	1.01	4.83	-6.66	-4.14	2.31	4.76	239.05	-437.16	171.40	-369.51	
202.90													
45	52	160	0.35	11.35	4.35	8.50	7.20	3.44	35.90	-139.68	2.68	-106.46	68.77
		115	0.75	26.58	9.54	11.22	24.89	-5.09	138.11	-215.09	-69.32	-7.66	
173.89													
		15	0.73	21.20	-7.49	-7.43	21.14	1.31	298.70	-63.83	140.50	94.38	
179.79													
		116	0.66	9.07	-15.73	-10.76	4.10	9.93	207.32	-133.40	152.16	-78.24	
125.51													
45	53	160	0.58	-4.07	-10.11	-7.60	-6.58	-2.98	103.06	-226.86	48.51	-172.31	-
122.56													
		115	0.95	-8.75	-27.42	-10.58	-25.59	5.55	225.47	-330.13	128.17	-232.83	-
211.17													
		15	1.13	8.90	-21.70	8.87	-21.68	-0.84	61.65	-433.70	-44.60	-327.45	-
203.33													
		116	0.87	16.89	-7.75	12.46	-3.32	-9.46	49.19	-306.23	-63.92	-193.12	-
165.55													
45	54	160	0.50	-1.69	-4.89	-3.93	-2.65	-1.46	152.14	-161.75	-100.56	90.95	-
124.35													
		115	0.64	-4.04	-12.39	-4.83	-11.59	2.45	30.79	-335.88	-91.71	-213.37	-
172.95													
		15	0.96	4.28	-9.75	4.27	-9.75	-0.31	54.36	-488.50	-144.18	-289.96	-
261.46													
		116	0.84	7.81	-3.51	5.84	-1.53	-4.30	266.80	-251.81	-83.16	98.15	-
242.95													
45	55	160	0.82	6.36	2.10	5.00	3.46	1.99	159.16	-376.58	149.60	-367.03	70.91
		115	0.57	12.29	5.03	5.73	11.59	-2.15	224.08	-103.83	147.95	-27.69	
138.45													
		15	0.83	9.84	-3.14	-3.09	9.80	0.78	409.10	-105.98	245.09	58.02	
239.95													
		116	1.01	5.03	-7.12	-4.50	2.40	5.00	239.19	-433.26	173.78	-367.85	
199.27													
45	56	160	0.35	11.12	4.23	8.34	7.00	3.38	36.88	-141.20	4.83	-109.15	68.41
		115	0.74	25.83	9.34	10.97	24.20	-4.92	136.80	-210.58	-66.71	-7.08	
171.11													
		15	0.71	20.61	-7.23	-7.17	20.55	1.30	293.38	-64.65	135.49	93.24	
177.77													
		116	0.66	8.88	-15.27	-10.40	4.01	9.69	207.75	-137.87	149.78	-79.90	
129.13													
45	57	160	0.57	-3.95	-9.87	-7.44	-6.39	-2.91	101.46	-224.72	46.36	-169.62	-
122.21													
		115	0.94	-8.55	-26.67	-10.32	-24.90	5.39	221.10	-328.96	125.55	-233.41	-
208.39													
		15	1.11	8.63	-21.11	8.61	-21.09	-0.83	64.18	-430.09	-39.59	-326.32	-
201.30													
		116	0.87	16.43	-7.56	12.10	-3.23	-9.22	54.72	-307.72	-61.54	-191.46	-
169.18													
45	58	160	0.50	-1.82	-5.12	-4.10	-2.84	-1.52	150.68	-160.84	-98.41	88.25	-
124.70													
		115	0.65	-4.24	-13.14	-5.09	-12.29	2.62	35.35	-337.25	-89.10	-212.79	-
175.73													
		15	0.97	4.54	-10.34	4.53	-10.34	-0.32	52.73	-493.02	-149.19	-291.10	-
263.49													
		116	0.84	8.28	-3.70	6.20	-1.62	-4.54	261.51	-250.57	-85.54	96.48	-
239.32													
45	59	160	1.36	-2.69	-5.98	-3.85	-4.81	-1.58	289.82	-610.14	289.80	-610.12	4.49
		115	0.92	-5.48	-19.91	-6.93	-18.46	4.34	402.96	-122.98	401.20	-121.22	-30.31
		15	0.97	6.75	-15.74	6.74	-15.73	-0.42	312.26	-173.48	258.46	-119.69	
152.43													
		116	1.35	12.38	-4.61	9.55	-1.78	-6.33	148.32	-683.33	114.47	-649.48	
164.34													
45	60	160	0.72	11.81	4.85	8.36	8.30	3.48	267.42	-207.12	-207.12	267.42	-1.47
		115	0.82	30.22	10.22	12.23	28.22	-6.01	-25.57	-362.53	-331.74	-56.37	97.09
		15	0.59	24.10	-8.66	-8.60	24.05	1.37	22.99	-91.21	-73.49	5.28	-41.35
		116	0.71	9.57	-17.92	-12.54	4.20	10.90	350.60	21.15	50.34	321.41	-93.63

45	61	160	1.24	-4.55	-10.58	-7.46	-7.68	-3.01	261.69	-549.58	258.30	-546.19-52.32
		115	1.11	-9.44	-31.07	-11.58	-28.92	6.47	420.45	-213.99	390.58	-184.12 -
134.37												
		15	1.10	10.07	-24.61	10.04	-24.59	-0.91	170.17	-239.13	169.39	-238.35 17.81
		116	1.23	19.08	-8.26	14.24	-3.42	-10.44	42.42	-597.29	37.90	-592.77 53.58
45	62	160	0.85	7.16	3.03	4.76	5.43	2.04	337.25	-244.51	-238.61	331.35-58.28
		115	0.63	19.06	6.26	7.57	17.76	-3.88	-119.04	-342.58	-342.36	-119.26 -6.97
		15	0.66	15.23	-5.34	-5.30	15.19	0.89	39.70	-315.65	-162.56	-113.39 -
175.97												
		116	0.96	5.91	-11.20	-7.84	2.56	6.79	463.43	-111.54	-26.22	378.12 -
204.39												
45	63	160	1.35	-2.65	-5.91	-3.79	-4.77	-1.56	289.57	-607.79	289.54	-607.77 5.05
		115	0.92	-5.42	-19.64	-6.85	-18.21	4.28	401.01	-123.57	399.25	-121.81-30.32
		15	0.96	6.64	-15.54	6.64	-15.53	-0.42	309.74	-174.48	256.63	-121.37
151.31												
		116	1.35	12.20	-4.55	9.41	-1.76	-6.25	145.49	-681.59	111.48	-647.58
164.23												
45	64	160	0.72	11.88	4.89	8.43	8.34	3.49	269.77	-207.38	-207.38	269.77 -0.91
		115	0.82	30.49	10.28	12.31	28.46	-6.07	-26.29	-364.35	-333.69	-56.96 97.09
		15	0.60	24.31	-8.76	-8.71	24.25	1.37	22.11	-93.84	-75.32	3.59-42.47
		116	0.72	9.63	-18.09	-12.68	4.22	10.98	352.14	18.52	47.36	323.30-93.74
45	65	160	1.25	-4.59	-10.65	-7.52	-7.72	-3.03	262.02	-551.99	258.57	-548.54-52.88
		115	1.11	-9.49	-31.33	-11.67	-29.16	6.54	422.34	-213.33	392.53	-183.53 -
134.37												
		15	1.11	10.17	-24.82	10.15	-24.79	-0.91	172.10	-237.55	171.22	-236.67 18.93
		116	1.24	19.26	-8.32	14.39	-3.45	-10.52	45.39	-599.17	40.89	-594.67 53.70
45	66	160	0.85	7.09	2.99	4.69	5.39	2.02	335.03	-244.39	-238.35	328.99-58.85
		115	0.62	18.80	6.21	7.49	17.51	-3.81	-118.45	-340.63	-340.41	-118.67 -6.97
		15	0.65	15.02	-5.23	-5.20	14.99	0.89	40.34	-312.77	-160.73	-111.71 -
174.85												
		116	0.95	5.86	-11.03	-7.70	2.53	6.71	462.19	-109.20	-23.24	376.22 -
204.28												
45	67	160	1.33	-2.31	-5.17	-3.31	-4.17	-1.37	282.67	-601.18	282.64	-601.14 5.66
		115	0.89	-4.81	-17.40	-6.07	-16.14	3.78	393.35	-124.01	392.50	-123.15-21.04
		15	0.96	5.87	-13.76	5.87	-13.76	-0.38	331.77	-172.52	275.16	-115.91
159.19												
		116	1.33	10.82	-3.95	8.34	-1.47	-5.52	151.54	-673.08	122.40	-643.94
152.26												
45	68	160	0.69	11.01	4.47	7.82	7.66	3.27	258.45	-199.97	-199.95	258.44 -2.64
		115	0.77	27.72	9.55	11.37	25.90	-5.45	-28.27	-349.19	-323.03	-54.43 87.82
		15	0.57	22.13	-7.79	-7.73	22.07	1.33	22.11	-110.80	-90.19	1.50-48.10
		116	0.66	8.92	-16.36	-11.33	3.89	10.09	338.34	19.94	42.41	315.87-81.54
45	69	160	1.22	-4.18	-9.78	-6.92	-7.04	-2.80	254.44	-540.52	251.14	-537.21-51.15
		115	1.08	-8.77	-28.56	-10.73	-26.60	5.91	408.21	-212.39	381.87	-186.05 -
125.10												
		15	1.08	9.19	-22.64	9.17	-22.62	-0.87	187.52	-236.00	186.09	-234.57 24.57
		116	1.21	17.53	-7.61	13.04	-3.11	-9.63	48.54	-589.94	45.84	-587.23 41.49
45	70	160	0.83	6.36	2.65	4.22	4.79	1.83	328.68	-237.76	-231.45	322.37-59.46
		115	0.59	16.56	5.60	6.72	15.44	-3.32	-116.12	-334.86	-333.65	-117.33-16.24
		15	0.66	13.26	-4.47	-4.43	13.21	0.85	37.13	-333.56	-179.26	-117.16 -
182.73												
		116	0.92	5.26	-9.65	-6.64	2.25	5.98	449.10	-110.68	-34.16	372.57 -
192.31												
45	71	160	1.33	-2.27	-5.11	-3.25	-4.13	-1.35	282.42	-598.83	282.37	-598.79 6.22
		115	0.89	-4.75	-17.14	-5.99	-15.90	3.72	391.40	-124.61	390.54	-123.75-21.05
		15	0.96	5.77	-13.56	5.76	-13.55	-0.38	329.24	-173.51	273.33	-117.59
158.07												
		116	1.33	10.65	-3.90	8.20	-1.45	-5.44	148.69	-671.31	119.42	-642.04
152.14												
45	72	160	0.69	11.08	4.51	7.89	7.70	3.28	260.80	-200.22	-200.21	260.79 -2.08
		115	0.77	27.98	9.61	11.45	26.14	-5.52	-28.97	-351.03	-324.98	-55.03 87.82
		15	0.58	22.34	-7.89	-7.83	22.28	1.33	21.22	-113.42	-92.02	-0.18-49.23
		116	0.67	8.97	-16.54	-11.47	3.91	10.17	339.95	17.24	39.42	317.76-81.66
45	73	160	1.22	-4.21	-9.85	-6.98	-7.08	-2.82	254.77	-542.93	251.40	-539.56-51.71
		115	1.08	-8.83	-28.83	-10.81	-26.84	5.98	410.10	-211.74	383.82	-185.46 -
125.10												
		15	1.08	9.30	-22.84	9.27	-22.82	-0.87	189.48	-234.46	187.92	-232.89 25.69
		116	1.22	17.70	-7.66	13.18	-3.14	-9.71	51.52	-591.83	48.82	-589.12 41.61
45	74	160	0.83	6.29	2.61	4.16	4.75	1.81	326.47	-237.64	-231.19	320.01-60.02
		115	0.59	16.29	5.54	6.63	15.20	-3.25	-115.52	-332.92	-331.70	-116.74-16.24
		15	0.65	13.05	-4.36	-4.32	13.01	0.85	37.77	-330.68	-177.43	-115.48 -
181.60												

		116	0.91	5.21	-9.48	-6.49	2.22	5.91	447.80	-108.29	-31.17	370.68	-
192.19													
45	75	160	0.73	4.98	1.56	3.90	2.64	1.58	136.61	-342.34	130.81	-336.54	52.37
		115	0.47	8.74	3.89	4.36	8.28	-1.42	187.40	-93.50	135.23	-41.33	
109.24													
		15	0.69	7.05	-1.98	-1.93	7.00	0.68	339.63	-95.80	212.08	31.76	
198.17													
		116	0.88	3.97	-4.94	-2.88	1.91	3.76	207.82	-384.76	157.60	-334.55	
165.03													
45	76	160	0.30	9.29	3.52	6.93	5.89	2.84	25.67	-136.85	7.71	-118.89	50.96
		115	0.61	21.17	7.79	9.11	19.85	-3.99	105.26	-177.10	-46.55	-25.30	
140.78													
		15	0.59	16.92	-5.79	-5.73	16.87	1.13	249.96	-57.52	129.73	62.71	
150.04													
		116	0.55	7.47	-12.43	-8.36	3.39	8.03	179.20	-131.22	141.76	-93.78	
101.10													
45	77	160	0.50	-3.25	-8.05	-6.03	-5.27	-2.37	87.78	-204.19	43.48	-159.89	-
104.75													
		115	0.82	-7.00	-22.01	-8.46	-20.55	4.45	184.69	-294.48	105.40	-215.19	-
178.06													
		15	0.97	7.19	-17.42	7.17	-17.41	-0.66	52.64	-382.25	-33.83	-295.78	-
173.58													
		116	0.73	13.59	-6.15	10.06	-2.62	-7.57	38.63	-269.72	-53.52	-177.58	-
141.15													
45	78	160	0.40	-1.29	-3.73	-3.00	-2.02	-1.12	115.52	-137.38	-79.62	57.77	-
106.16													
		115	0.56	-3.11	-9.58	-3.71	-8.98	1.89	21.10	-296.64	-76.38	-199.16	-
146.53													
		15	0.82	3.37	-7.55	3.37	-7.54	-0.22	43.33	-424.34	-116.18	-264.83	-
221.71													
		116	0.70	6.09	-2.64	4.58	-1.13	-3.30	212.43	-218.60	-69.36	63.19	-
205.07													
45	79	160	0.72	5.17	1.67	4.04	2.80	1.64	134.95	-340.22	129.04	-334.31	52.67
		115	0.48	9.36	4.06	4.57	8.85	-1.56	187.36	-96.10	133.07	-41.80	
111.54													
		15	0.71	7.54	-2.19	-2.14	7.49	0.69	344.36	-95.45	216.22	32.70	
199.85													
		116	0.88	4.13	-5.33	-3.18	1.99	3.96	208.07	-381.69	159.57	-333.18	
162.03													
45	80	160	0.31	9.10	3.43	6.80	5.73	2.79	26.82	-138.46	9.48	-121.12	50.66
		115	0.60	20.55	7.62	8.89	19.27	-3.85	104.22	-173.43	-44.39	-24.82	
138.48													
		15	0.57	16.43	-5.57	-5.52	16.38	1.12	245.44	-58.08	125.59	61.77	
148.37													
		116	0.55	7.31	-12.05	-8.06	3.32	7.83	179.28	-134.64	139.80	-95.16	
104.09													
45	81	160	0.50	-3.15	-7.86	-5.89	-5.11	-2.32	86.41	-202.36	41.71	-157.66	-
104.45													
		115	0.81	-6.84	-21.39	-8.25	-19.98	4.31	181.10	-293.53	103.24	-215.67	-
175.76													
		15	0.96	6.97	-16.94	6.95	-16.92	-0.65	54.82	-379.35	-29.69	-294.85	-
171.90													
		116	0.73	13.21	-5.99	9.76	-2.54	-7.37	43.16	-270.92	-51.55	-176.21	-
144.14													
45	82	160	0.40	-1.39	-3.92	-3.13	-2.18	-1.17	114.47	-136.79	-77.85	55.54	-
106.46													
		115	0.57	-3.27	-10.20	-3.93	-9.55	2.02	24.86	-297.77	-74.23	-198.68	-
148.83													
		15	0.83	3.59	-8.04	3.58	-8.03	-0.23	41.88	-427.97	-120.32	-265.77	-
223.38													
		116	0.69	6.47	-2.80	4.88	-1.21	-3.50	208.01	-217.52	-71.33	61.82	-
202.08													
45	83	160	0.72	5.18	1.65	4.08	2.75	1.63	136.33	-336.28	130.09	-330.05	53.93
		115	0.48	9.47	4.06	4.58	8.94	-1.60	182.73	-95.83	129.86	-42.96	
109.23													
		15	0.69	7.61	-2.26	-2.22	7.56	0.68	331.86	-97.76	206.99	27.11	
195.07													
		116	0.87	4.11	-5.41	-3.27	1.98	3.98	200.56	-380.53	149.35	-329.32	
164.72													
45	84	160	0.30	9.49	3.62	7.11	6.00	2.88	26.80	-132.21	6.99	-112.39	52.51
		115	0.63	21.90	7.95	9.33	20.52	-4.17	101.90	-180.75	-51.92	-26.92	
140.77													

		15	0.59	17.48	-6.07	-6.02	17.43	1.12	242.02	-59.31	124.64	58.06	
146.94													
		116	0.55	7.62	-12.91	-8.75	3.46	8.25	172.44	-127.48	133.51	-88.55	
100.80													
45	85	160	0.52	-3.34	-8.25	-6.20	-5.38	-2.42	88.53	-210.71	44.20	-166.38	-
106.31													
		115	0.82	-7.16	-22.74	-8.69	-21.22	4.63	189.43	-292.23	110.76	-213.56	-
178.05													
		15	0.97	7.48	-17.98	7.46	-17.97	-0.66	55.18	-375.06	-28.74	-291.14	-
170.48													
		116	0.75	14.07	-6.30	10.45	-2.68	-7.78	42.70	-270.78	-45.27	-182.81	-
140.84													
45	86	160	0.41	-1.38	-3.93	-3.18	-2.13	-1.17	112.04	-139.67	-78.91	51.28	-
107.72													
		115	0.56	-3.27	-10.31	-3.94	-9.64	2.06	25.32	-293.86	-71.01	-197.53	-
146.52													
		15	0.82	3.66	-8.11	3.66	-8.10	-0.21	45.33	-416.61	-111.09	-260.19	-
218.61													
		116	0.70	6.56	-2.79	4.98	-1.20	-3.51	211.67	-214.83	-61.11	57.96	-
204.77													
45	87	160	0.72	5.37	1.76	4.21	2.91	1.68	134.68	-334.18	128.32	-327.82	54.22
		115	0.49	10.09	4.22	4.79	9.52	-1.74	182.71	-98.44	127.70	-43.43	
111.54													
		15	0.70	8.10	-2.48	-2.43	8.05	0.69	336.59	-97.41	211.13	28.05	
196.75													
		116	0.86	4.27	-5.79	-3.57	2.05	4.18	200.79	-377.42	151.32	-327.95	
161.73													
45	88	160	0.30	9.30	3.52	6.98	5.84	2.83	27.89	-133.76	8.76	-114.62	52.22
		115	0.61	21.28	7.78	9.12	19.94	-4.03	100.86	-177.07	-49.76	-26.45	
138.47													
		15	0.57	16.99	-5.86	-5.80	16.94	1.11	237.49	-59.87	120.50	57.13	
145.27													
		116	0.55	7.45	-12.52	-8.45	3.38	8.05	172.58	-130.96	131.55	-89.92	
103.79													
45	89	160	0.51	-3.24	-8.05	-6.07	-5.22	-2.37	87.15	-208.87	42.43	-164.15	-
106.01													
		115	0.81	-7.00	-22.12	-8.48	-20.64	4.49	185.85	-291.28	108.61	-214.04	-
175.75													
		15	0.96	7.26	-17.49	7.24	-17.48	-0.65	57.38	-372.18	-24.60	-290.20	-
168.80													
		116	0.75	13.68	-6.13	10.15	-2.60	-7.58	47.19	-271.93	-43.30	-181.44	-
143.84													
45	90	160	0.41	-1.48	-4.12	-3.31	-2.29	-1.22	111.05	-139.14	-77.14	49.05	-
108.02													
		115	0.57	-3.44	-10.93	-4.15	-10.22	2.20	29.08	-294.99	-68.86	-197.05	-
148.82													
		15	0.83	3.88	-8.60	3.87	-8.59	-0.22	43.87	-420.22	-115.23	-261.13	-
220.28													
		116	0.69	6.95	-2.95	5.28	-1.28	-3.71	207.22	-213.70	-63.08	56.59	-
201.78													
45	91	160	1.17	-2.19	-4.84	-3.11	-3.92	-1.26	243.87	-528.64	243.87	-528.64	-0.98
		115	0.80	-4.46	-16.53	-5.67	-15.32	3.63	338.58	-122.60	336.86	-120.88	-28.11
		15	0.84	5.70	-13.05	5.69	-13.05	-0.31	262.52	-159.43	222.08	-118.99	
124.21													
		116	1.16	10.33	-3.70	8.04	-1.40	-5.19	127.68	-586.00	102.19	-560.51	
132.45													
45	92	160	0.55	9.86	4.04	6.99	6.91	2.91	196.96	-166.57	-166.48	196.87	-5.68
		115	0.68	24.91	8.52	10.16	23.26	-4.92	-41.39	-295.12	-269.06	-67.44	77.02
		15	0.45	19.88	-7.04	-6.99	19.83	1.17	6.47	-74.69	-52.41	-15.82	-36.22
		116	0.58	8.03	-14.71	-10.22	3.54	9.05	271.35	20.09	49.39	242.05	-80.64
45	93	160	1.07	-3.74	-8.64	-6.08	-6.29	-2.45	220.99	-478.97	217.67	-475.65	-48.11
		115	0.96	-7.73	-25.75	-9.52	-23.96	5.39	352.76	-197.89	327.91	-173.04	-
114.30													
		15	0.96	8.44	-20.39	8.42	-20.37	-0.71	148.75	-217.69	148.31	-217.26	12.69
		116	1.07	15.88	-6.72	11.92	-2.76	-8.59	41.82	-516.38	38.86	-513.42	40.60
45	94	160	0.67	6.02	2.53	4.01	4.54	1.73	256.09	-198.90	-192.68	249.87	-52.82
		115	0.52	15.68	5.25	6.31	14.61	-3.16	-119.07	-278.54	-278.01	-119.60	-9.18
		15	0.57	12.54	-4.29	-4.26	12.51	0.77	27.74	-268.00	-126.18	-114.08	-
147.75													
		116	0.78	5.00	-9.15	-6.33	2.18	5.65	367.21	-92.01	-13.95	289.15	-
172.50													
45	95	160	1.16	-2.15	-4.79	-3.05	-3.89	-1.25	243.65	-526.70	243.65	-526.70	-0.51

		115	0.80	-4.41	-16.31	-5.61	-15.11	3.57	336.97	-123.10	335.25	-121.37	-28.11
		15	0.83	5.61	-12.88	5.61	-12.88	-0.31	260.46	-160.29	220.55	-120.39	
123.28													
		116	1.16	10.19	-3.65	7.92	-1.38	-5.12	125.32	-584.54	99.72	-558.94	
132.36													
45	96	160	0.55	9.92	4.07	7.04	6.95	2.93	198.90	-166.77	-166.70	198.82	-5.21
		115	0.68	25.13	8.56	10.23	23.46	-4.98	-42.00	-296.61	-270.68	-67.93	77.01
		15	0.45	20.05	-7.12	-7.07	20.00	1.17	5.87	-77.02	-53.93	-17.21	-37.15
		116	0.59	8.07	-14.85	-10.33	3.56	9.12	272.51	18.02	46.91	243.62	-80.73
45	97	160	1.08	-3.77	-8.70	-6.14	-6.33	-2.46	221.26	-480.97	217.88	-477.59	-48.58
		115	0.96	-7.78	-25.97	-9.59	-24.16	5.44	354.32	-197.35	329.52	-172.55	-
114.30													
		15	0.96	8.53	-20.56	8.51	-20.54	-0.71	150.34	-216.37	149.83	-215.86	13.62
		116	1.07	16.02	-6.76	12.04	-2.78	-8.65	44.29	-517.95	41.33	-514.99	40.69
45	98	160	0.66	5.97	2.50	3.96	4.51	1.71	254.28	-198.82	-192.46	247.92	-53.28
		115	0.52	15.46	5.20	6.25	14.41	-3.11	-118.58	-276.94	-276.40	-119.11	-9.17
		15	0.56	12.37	-4.20	-4.17	12.34	0.77	28.27	-265.61	-124.65	-112.69	-
146.82													
		116	0.77	4.96	-9.01	-6.22	2.16	5.59	366.26	-90.16	-11.48	287.58	-
172.40													
45	99	160	1.14	-1.88	-4.18	-2.66	-3.39	-1.09	237.97	-521.21	237.97	-521.21	0.02
		115	0.78	-3.91	-14.46	-4.97	-13.40	3.17	330.59	-123.39	329.67	-122.47	-20.44
		15	0.83	4.98	-11.42	4.97	-11.42	-0.28	278.60	-158.57	235.89	-115.86	
129.79													
		116	1.15	9.05	-3.15	7.04	-1.15	-4.52	130.59	-577.78	108.75	-555.94	
122.46													
45	100	160	0.52	9.21	3.72	6.54	6.38	2.74	189.57	-160.71	-160.58	189.44	-6.68
		115	0.63	22.83	7.96	9.45	21.35	-4.46	-43.81	-283.93	-261.88	-65.86	69.35
		15	0.43	18.25	-6.32	-6.26	18.20	1.14	5.44	-90.61	-66.22	-18.95	-41.81
		116	0.54	7.49	-13.43	-9.22	3.28	8.38	260.43	19.89	42.83	237.48	-70.66
45	101	160	1.05	-3.43	-7.98	-5.64	-5.77	-2.28	215.02	-471.46	211.77	-468.21	-47.12
		115	0.93	-7.18	-23.68	-8.81	-22.05	4.93	342.70	-196.60	320.72	-174.63	-
106.63													
		15	0.94	7.72	-18.76	7.70	-18.74	-0.68	163.00	-215.01	162.12	-214.12	18.27
		116	1.05	14.59	-6.17	10.92	-2.51	-7.92	47.09	-510.53	45.41	-508.85	30.61
45	102	160	0.65	5.36	2.22	3.56	4.01	1.55	249.08	-193.43	-186.78	242.43	-53.81
		115	0.49	13.61	4.69	5.61	12.70	-2.70	-116.18	-272.66	-270.82	-118.02	-16.85
		15	0.57	10.91	-3.57	-3.53	10.87	0.74	25.15	-282.35	-139.99	-117.21	-
153.33													
		116	0.74	4.46	-7.87	-5.34	1.93	4.99	354.92	-90.85	-20.50	284.58	-
162.51													
45	103	160	1.14	-1.84	-4.12	-2.61	-3.36	-1.08	237.75	-519.26	237.75	-519.26	0.48
		115	0.77	-3.86	-14.24	-4.90	-13.20	3.11	328.98	-123.88	328.06	-122.96	-20.44
		15	0.83	4.89	-11.25	4.89	-11.25	-0.28	276.53	-159.43	234.36	-117.26	
128.86													
		116	1.14	8.90	-3.11	6.92	-1.13	-4.46	128.21	-576.31	106.27	-554.37	
122.37													
45	104	160	0.53	9.26	3.75	6.60	6.42	2.75	191.50	-160.91	-160.80	191.39	-6.21
		115	0.64	23.05	8.01	9.52	21.55	-4.52	-44.40	-285.43	-263.49	-66.35	69.34
		15	0.44	18.42	-6.40	-6.35	18.37	1.14	4.82	-92.91	-67.75	-20.34	-42.73
		116	0.54	7.53	-13.57	-9.34	3.30	8.45	261.67	17.74	40.36	239.05	-70.75
45	105	160	1.05	-3.45	-8.04	-5.69	-5.80	-2.29	215.29	-473.46	211.99	-470.16	-47.59
		115	0.93	-7.23	-23.90	-8.88	-22.25	4.98	344.26	-196.07	322.33	-174.14	-
106.63													
		15	0.94	7.81	-18.92	7.79	-18.91	-0.68	164.62	-213.71	163.65	-212.73	19.20
		116	1.06	14.73	-6.22	11.04	-2.53	-7.98	49.57	-512.10	47.88	-510.41	30.70
45	106	160	0.64	5.30	2.19	3.51	3.98	1.54	247.28	-193.36	-186.57	240.49	-54.28
		115	0.49	13.39	4.65	5.54	12.50	-2.65	-115.68	-271.06	-269.21	-117.53	-16.84
		15	0.56	10.75	-3.49	-3.45	10.71	0.74	25.68	-279.96	-138.46	-115.82	-
152.40													
		116	0.74	4.42	-7.73	-5.22	1.91	4.92	353.93	-88.95	-18.03	283.01	-
162.42													
46	1	108	0.47	4.23	0.93	1.08	4.08	0.69	35.16	-226.41	29.31	-220.56	-38.69
		160	0.23	0.82	-0.59	0.27	-0.05	0.69	71.89	-84.56	59.19	-71.86	-42.73
		116	0.19	0.44	-0.97	-0.43	-0.11	0.69	53.41	-77.45	52.07	-76.11	13.17
		14	0.46	4.15	0.29	0.42	4.02	0.69	23.38	-225.49	22.51	-224.62	14.69
46	2	108	1.86	15.43	3.37	3.98	14.83	2.63	108.04	-921.63	54.81	-868.40	-
227.99													
		160	0.97	3.61	-1.68	1.20	0.72	2.63	284.13	-348.78	179.70	-244.35	-
234.92													
		116	0.65	2.63	-2.81	-0.77	0.60	2.63	173.31	-257.49	173.31	-257.49	-0.51
		14	1.74	15.23	1.57	2.09	14.71	2.63	48.73	-880.97	48.71	-880.95	-4.11

46	3	108	0.34	3.04	0.67	0.78	2.94	0.49	25.81	-161.18	22.06	-157.44-26.19
		160	0.17	0.58	-0.43	0.19	-0.05	0.49	51.52	-60.28	43.26	-52.02-29.24
		116	0.14	0.29	-0.71	-0.32	-0.10	0.49	38.91	-56.27	37.77	-55.12 10.39
		14	0.33	2.98	0.20	0.29	2.89	0.49	17.58	-161.16	16.82	-160.40 11.66
46	4	108	1.72	14.24	3.11	3.67	13.68	2.44	98.92	-856.63	47.56	-805.27 -
215.49												
		160	0.90	3.37	-1.53	1.12	0.72	2.44	264.12	-324.86	163.77	-224.51 -
221.44												
		116	0.60	2.49	-2.55	-0.67	0.61	2.44	159.04	-236.53	159.01	-236.51 -3.29
		14	1.61	14.07	1.47	1.97	13.58	2.44	43.08	-816.79	43.02	-816.73 -7.14
46	5	108	0.35	3.16	0.70	0.81	3.05	0.51	26.51	-168.52	22.34	-164.35-28.21
		160	0.17	0.61	-0.45	0.20	-0.04	0.51	53.65	-62.97	44.54	-53.86-31.29
		116	0.14	0.32	-0.73	-0.33	-0.09	0.51	40.14	-58.14	39.06	-57.06 10.24
		14	0.34	3.10	0.21	0.31	3.01	0.51	17.81	-168.11	17.10	-167.40 11.46
46	6	108	1.28	10.63	2.32	2.74	10.21	1.81	74.86	-631.76	39.34	-596.24 -
154.41												
		160	0.66	2.47	-1.17	0.82	0.47	1.81	194.78	-238.74	124.88	-168.85 -
159.42												
		116	0.45	1.78	-1.96	-0.56	0.38	1.81	119.89	-177.98	119.89	-177.98 1.12
		14	1.20	10.49	1.06	1.42	10.13	1.81	34.57	-604.95	34.56	-604.95 -1.08
46	7	108	0.35	3.16	0.70	0.81	3.05	0.51	26.51	-168.52	22.34	-164.35-28.21
		160	0.17	0.61	-0.45	0.20	-0.04	0.51	53.65	-62.97	44.54	-53.86-31.29
		116	0.14	0.32	-0.73	-0.33	-0.09	0.51	40.14	-58.14	39.06	-57.06 10.24
		14	0.34	3.10	0.21	0.31	3.01	0.51	17.81	-168.11	17.10	-167.40 11.46
46	8	108	1.00	8.39	1.84	2.16	8.07	1.42	60.03	-492.46	34.24	-466.67 -
116.55												
		160	0.52	1.91	-0.95	0.64	0.32	1.42	151.91	-185.48	100.78	-134.35 -
120.98												
		116	0.36	1.34	-1.59	-0.49	0.24	1.42	95.70	-141.76	95.64	-141.70 3.86
		14	0.94	8.27	0.81	1.09	7.99	1.42	29.34	-473.70	29.33	-473.69 2.68
46	9	108	0.35	3.16	0.70	0.81	3.05	0.51	26.51	-168.52	22.34	-164.35-28.21
		160	0.17	0.61	-0.45	0.20	-0.04	0.51	53.65	-62.97	44.54	-53.86-31.29
		116	0.14	0.32	-0.73	-0.33	-0.09	0.51	40.14	-58.14	39.06	-57.06 10.24
		14	0.34	3.10	0.21	0.31	3.01	0.51	17.81	-168.11	17.10	-167.40 11.46
46	10	108	0.90	7.64	1.67	1.97	7.35	1.29	55.11	-446.05	32.54	-423.48 -
103.93												
		160	0.47	1.72	-0.88	0.57	0.27	1.29	137.66	-167.77	92.75	-122.86 -
108.17												
		116	0.33	1.20	-1.47	-0.46	0.19	1.29	87.66	-129.71	87.56	-129.61 4.77
		14	0.85	7.53	0.72	0.98	7.28	1.29	27.61	-429.96	27.58	-429.93 3.94
46	11	108	1.45	-1.37	-31.47	-7.27	-25.57	-11.95	329.88	-458.03	325.28	-453.43 60.07
		160	1.29	29.71	9.32	18.77	20.26	10.17	386.51	-402.37	381.19	-397.04-64.61
		116	0.75	10.60	-0.38	2.80	7.42	4.98	-197.25	-428.46	-198.34	-427.37-15.79
		14	1.74	-0.20	-24.72	-0.22	-24.69	0.75	-64.21	-870.22	-202.10	-732.34
303.52												
46	12	108	2.35	-7.63	-98.81	-23.20	-83.25	-34.31	502.55	90.68	185.31	407.92
173.26												
		160	0.71	27.84	10.75	14.78	23.80	-7.26	156.05	-127.83	120.80	-92.58 93.63
		116	0.78	22.34	1.48	11.47	12.35	10.42	-54.75	-337.40	-329.36	-62.78-46.98
		14	1.91	-4.16	-81.09	-4.16	-81.09	0.26	243.38	-345.55	-257.39	155.22
210.11												
46	13	108	4.07	113.67	11.41	27.14	97.95	36.89	-4.10	-1371.01	-120.23	-1254.88 -
381.12												
		160	1.21	-7.50	-29.41	-13.63	-23.27	9.84	284.33	-372.76	64.70	-153.13 -
309.96												
		116	1.18	-4.34	-20.02	-12.39	-11.97	-7.84	509.01	-200.96	504.48	-196.44 56.52
		14	3.57	95.71	6.05	6.11	95.65	2.32	342.67	-1045.20	312.54	-1015.08 -
202.24												
46	14	108	1.66	46.29	5.19	11.21	40.27	14.53	-50.77	-602.97	-260.20	-393.53 -
267.93												
		160	0.88	-11.02	-26.33	-17.62	-19.72	-7.58	208.32	-252.68	-195.69	151.33 -
151.73												
		116	0.61	-2.47	-8.29	-3.73	-7.03	-2.40	376.53	165.07	373.45	168.15 25.33
		14	1.44	39.34	2.08	2.17	39.25	1.84	417.60	-287.87	257.26	-127.53 -
295.65												
46	15	108	1.50	-1.68	-34.84	-8.08	-28.43	-13.09	329.20	-463.80	324.36	-458.96 61.77
		160	1.28	28.85	10.16	18.56	20.45	9.30	388.77	-399.08	383.11	-393.43-66.52
		116	0.75	11.17	-0.23	3.25	7.68	5.25	-205.55	-427.13	-206.47	-426.21-14.23
		14	1.79	-0.37	-27.50	-0.39	-27.48	0.70	-69.34	-882.63	-212.05	-739.91
309.36												
46	16	108	2.30	-7.33	-95.45	-22.39	-80.39	-33.17	505.61	94.06	186.22	413.45
171.57												

		160	0.70	27.00	11.60	15.00	23.61	-6.39	155.18	-132.50	118.87	-96.19	95.54
		116	0.76	21.71	1.39	11.02	12.09	10.14	-55.09	-330.08	-321.23	-63.95	-48.54
		14	1.87	-3.99	-78.30	-3.99	-78.30	0.31	247.17	-331.80	-247.43	162.80	
204.28													
46	17	108	4.02	110.30	11.11	26.33	95.08	35.75	-6.35	-1375.21	-121.15	-1260.41	-
379.43													
		160	1.20	-8.38	-28.55	-13.85	-23.08	8.97	288.62	-371.52	66.62	-149.52	-
311.87													
		116	1.16	-4.26	-19.39	-11.94	-11.70	-7.56	501.19	-200.12	496.34	-195.27	58.08
		14	3.53	92.92	5.88	5.94	92.86	2.27	331.08	-1051.15	302.59	-1022.66	-
196.40													
46	18	108	1.71	49.66	5.49	12.02	43.13	15.67	-46.45	-600.85	-259.29	-388.00	-
269.62													
		160	0.85	-11.83	-25.49	-17.41	-19.92	-6.71	203.66	-253.55	-197.61	147.72	-
149.82													
		116	0.63	-2.65	-8.83	-4.18	-7.30	-2.67	384.18	164.39	381.58	166.99	23.77
		14	1.48	42.13	2.25	2.34	42.04	1.88	431.91	-284.65	267.21	-119.95	-
301.48													
46	19	108	1.59	31.97	-33.17	8.21	-9.41	-31.35	333.56	-469.69	329.09	-465.22	59.79
		160	1.26	30.79	10.39	19.70	21.48	10.16	368.61	-394.02	363.78	-389.19	-60.49
		116	0.75	11.37	-0.30	3.18	7.89	5.34	-192.95	-420.19	-194.05	-419.09	-15.78
		14	2.24	53.65	-18.85	34.04	0.77	32.21	-60.63	-865.02	-198.06	-727.59	
302.76													
46	20	108	2.60	23.97	-98.77	-7.71	-67.09	-53.71	494.21	91.04	189.12	396.13	
172.99													
		160	0.72	28.99	11.74	15.70	25.03	-7.26	144.98	-126.32	103.39	-84.73	97.75
		116	0.78	23.13	1.55	11.85	12.83	10.78	-46.58	-333.00	-325.08	-54.50	-46.96
		14	1.86	40.56	-66.09	30.09	-55.62	31.72	247.47	-340.85	-253.34	159.96	
209.35													
46	21	108	4.24	113.04	-19.60	11.65	81.79	56.29	-6.73	-1360.40	-124.04	-1243.09	-
380.84													
		160	1.24	-8.50	-30.55	-14.56	-24.50	9.84	297.34	-376.22	82.10	-160.98	-
314.08													
		116	1.19	-4.41	-20.81	-12.78	-12.44	-8.20	504.69	-209.22	500.19	-204.72	56.50
		14	3.48	78.17	-36.13	-28.14	70.18	-29.14	338.39	-1049.71	308.50	-1019.83	-
201.47													
46	22	108	1.98	46.70	-26.87	-4.28	24.11	33.94	-48.83	-596.93	-264.01	-381.74	-
267.65													
		160	0.87	-12.07	-27.43	-18.55	-20.95	-7.58	206.59	-241.40	-178.29	143.48	-
155.85													
		116	0.61	-2.57	-9.05	-4.11	-7.51	-2.75	372.19	156.85	369.17	159.87	25.32
		14	1.71	28.32	-46.61	-32.08	13.79	-29.63	412.76	-291.81	253.22	-132.27	-
294.88													
46	23	108	1.63	31.51	-36.38	7.40	-12.27	-32.49	332.88	-475.45	328.17	-470.75	61.49
		160	1.26	29.94	11.22	19.48	21.68	9.29	370.85	-390.73	365.71	-385.58	-62.40
		116	0.75	11.95	-0.15	3.63	8.16	5.61	-201.25	-418.86	-202.19	-417.93	-14.22
		14	2.28	52.75	-20.91	33.87	-2.02	32.16	-65.75	-877.43	-208.01	-735.17	
308.59													
46	24	108	2.55	24.31	-95.44	-6.90	-64.23	-52.57	497.18	94.51	190.03	401.66	
171.29													
		160	0.70	28.17	12.59	15.92	24.83	-6.39	144.18	-131.05	101.47	-88.34	99.66
		116	0.77	22.50	1.46	11.40	12.56	10.50	-46.94	-325.67	-316.95	-55.67	-48.52
		14	1.83	41.02	-63.59	30.26	-52.83	31.77	251.27	-327.12	-243.39	167.54	
203.51													
46	25	108	4.19	109.70	-19.93	10.84	78.93	55.15	-8.99	-1364.59	-124.96	-1248.62	-
379.15													
		160	1.22	-9.38	-29.70	-14.77	-24.30	8.97	301.59	-374.93	84.03	-157.37	-
315.99													
		116	1.17	-4.33	-20.17	-12.32	-12.18	-7.92	496.88	-208.37	492.06	-203.55	58.07
		14	3.44	75.59	-36.51	-28.31	67.39	-29.19	326.81	-1055.67	298.55	-1027.40	-
195.64													
46	26	108	2.02	49.98	-26.48	-3.47	26.97	35.07	-44.44	-594.88	-263.10	-376.21	-
269.35													
		160	0.85	-12.88	-26.60	-18.33	-21.14	-6.71	201.89	-242.23	-180.21	139.87	-
153.94													
		116	0.63	-2.74	-9.60	-4.56	-7.77	-3.03	379.85	156.16	377.30	158.71	23.76
		14	1.73	30.58	-45.92	-31.91	16.58	-29.58	427.07	-288.59	263.17	-124.69	-
300.72													
46	27	108	4.67	98.01	10.29	23.35	84.95	31.22	357.11	-1763.30	332.65	-1738.84	-
226.41													
		160	2.47	37.38	-24.41	12.09	0.88	30.38	658.90	-751.57	574.21	-666.88	-
335.09													

		116	1.58	-1.92	-15.83	-12.63	-5.12	-5.86	202.67	-774.06	200.51	-771.90	45.90
		14	4.52	83.27	6.55	6.60	83.22	1.86	71.14	-1895.39	42.53	-1866.78	
235.48													
46	28	108	3.93	-10.40	-126.65	-29.74	-107.31	-43.29	1150.05	-151.66	-133.92	1132.31	
150.91													
		160	1.54	34.31	-22.82	-1.22	12.70	-27.70	401.24	-347.00	-293.76	348.00	
192.36													
		116	1.18	26.32	1.26	16.26	11.32	12.28	448.32	-241.17	-236.24	443.40	-58.06
		14	3.64	-6.54	-104.76	-6.54	-104.76	0.25	1096.39	-146.41	-141.76	1091.74	-75.88
46	29	108	5.73	141.52	14.16	33.67	122.01	45.87	256.56	-2036.84	198.99	-1979.28	-
358.77													
		160	2.45	26.24	-36.05	2.36	-12.17	30.28	617.20	-731.65	479.26	-593.71	-
408.69													
		116	1.76	-3.87	-24.26	-17.19	-10.94	-9.70	415.44	-706.70	411.36	-702.62	67.60
		14	5.34	119.37	8.45	8.50	119.32	2.34	200.18	-1954.86	196.92	-1951.60	83.75
46	30	108	2.86	-6.54	-83.13	-19.42	-70.25	-28.64	892.18	-267.87	-267.57	891.88	18.55
		160	1.54	22.65	-33.94	-10.94	-0.35	-27.80	438.22	-405.76	-388.71	421.17	
118.75													
		116	0.97	17.59	-0.38	11.70	5.51	8.44	515.12	-27.84	-25.40	512.68	-36.36
		14	2.86	-4.63	-68.67	-4.64	-68.66	0.72	1056.54	-36.99	12.63	1006.91	-
227.60													
46	31	108	4.66	98.90	18.90	28.00	89.80	25.40	358.21	-1766.80	333.79	-1742.38	-
226.49													
		160	2.46	37.69	-24.07	12.36	1.25	30.38	653.54	-749.09	568.99	-664.53	-
333.85													
		116	1.57	-1.87	-15.62	-12.52	-4.98	-5.75	203.96	-771.58	201.80	-769.41	45.91
		14	4.54	92.55	15.18	16.87	90.86	11.30	72.30	-1893.91	43.74	-1865.35	
235.25													
46	32	108	3.96	-1.26	-126.30	-25.09	-102.46	-49.11	1146.56	-150.56	-132.78	1128.78	
150.82													
		160	1.55	34.64	-22.51	-0.94	13.07	-27.70	403.69	-352.32	-298.99	350.35	
193.59													
		116	1.18	26.55	1.29	16.38	11.47	12.39	450.80	-239.87	-234.96	445.88	-58.05
		14	3.63	4.66	-98.05	3.73	-97.12	9.68	1097.84	-145.23	-140.55	1093.16	-76.11
46	33	108	5.76	141.02	5.17	29.03	117.16	51.69	255.51	-2033.40	197.85	-1975.74	-
358.68													
		160	2.46	25.93	-36.38	2.09	-12.54	30.28	622.39	-733.98	484.48	-596.06	-
409.93													
		116	1.77	-3.90	-24.48	-17.30	-11.08	-9.81	414.15	-709.18	410.07	-705.10	67.59
		14	5.32	112.13	-2.22	-1.78	111.68	-7.10	198.98	-1956.30	195.71	-1953.02	83.98
46	34	108	2.86	-15.35	-83.82	-24.06	-75.10	-22.82	895.71	-269.02	-268.72	895.42	18.63
		160	1.53	22.32	-34.26	-11.22	-0.72	-27.80	435.67	-400.35	-383.49	418.82	
117.51													
		116	0.97	17.37	-0.42	11.59	5.37	8.33	512.65	-29.14	-26.68	510.19	-36.37
		14	2.85	-13.70	-77.52	-14.92	-76.30	-8.72	1055.03	-38.12	11.42	1005.49	-
227.37													
46	35	108	4.52	86.79	9.27	20.65	75.41	27.43	352.70	-1780.37	329.60	-1757.27	-
220.76													
		160	2.43	34.36	-21.46	11.37	1.53	27.48	668.71	-742.93	580.62	-654.84	-
341.45													
		116	1.53	-1.66	-13.70	-11.12	-4.24	-4.94	176.17	-770.79	173.40	-768.02	51.10
		14	4.40	73.96	5.99	6.03	73.92	1.71	42.93	-1925.62	9.34	-1892.03	
254.94													
46	36	108	3.77	-9.38	-115.42	-27.04	-97.77	-39.50	1167.01	-147.13	-130.87	1150.75	
145.26													
		160	1.49	31.36	-19.80	-0.50	12.06	-24.80	392.93	-357.16	-300.18	335.96	
198.72													
		116	1.12	24.17	1.03	14.75	10.45	11.37	445.63	-215.25	-209.13	439.52	-63.26
		14	3.51	-5.98	-95.47	-5.98	-95.46	0.40	1124.37	-115.95	-108.58	1117.00	-95.33
46	37	108	5.58	130.30	13.14	30.97	112.47	42.08	251.39	-2053.15	195.95	-1997.71	-
353.12													
		160	2.40	23.22	-33.10	1.65	-11.53	27.38	628.08	-724.07	485.67	-581.67	-
415.06													
		116	1.71	-3.65	-22.10	-15.68	-10.06	-8.79	389.12	-703.61	384.25	-698.74	72.80
		14	5.21	110.07	7.88	7.93	110.02	2.18	168.70	-1981.82	163.73	-1976.86	
103.21													
46	38	108	2.72	-5.53	-71.90	-16.72	-60.71	-24.85	910.45	-264.67	-264.53	910.31	12.90
		160	1.49	19.71	-30.93	-10.22	-1.00	-24.89	428.14	-414.14	-395.12	409.13	
125.12													
		116	0.93	15.43	-0.61	10.19	4.63	7.52	512.19	-1.67	1.71	508.80	-41.56
		14	2.74	-4.06	-59.38	-4.08	-59.36	0.87	1090.60	-12.61	45.82	1032.17	-
247.06													

46	39	108	4.52	87.74	17.82	25.30	80.26	21.61	353.81	-1783.87	330.74	-1760.81	-220.84
		160	2.42	34.67	-21.13	11.64	1.90	27.47	663.36	-740.45	575.40	-652.48	-340.22
		116	1.53	-1.61	-13.49	-11.01	-4.10	-4.83	177.46	-768.31	174.69	-765.54	51.11
		14	4.41	83.41	14.45	16.31	81.56	11.15	44.09	-1924.14	10.55	-1890.61	254.71
46	40	108	3.80	-0.23	-115.08	-22.39	-92.92	-45.32	1163.51	-146.03	-129.73	1147.21	145.17
		160	1.49	31.69	-19.49	-0.22	12.43	-24.80	395.37	-362.46	-305.40	338.31	199.96
		116	1.12	24.40	1.05	14.87	10.59	11.48	448.11	-213.95	-207.85	442.01	-63.25
		14	3.50	5.34	-88.86	4.30	-87.82	9.84	1125.83	-114.77	-107.36	1118.42	-95.56
46	41	108	5.60	129.80	4.15	26.33	107.62	47.90	250.33	-2049.70	194.80	-1994.17	-353.03
		160	2.41	22.91	-33.43	1.37	-11.90	27.38	633.26	-726.39	490.90	-584.02	-416.30
		116	1.71	-3.68	-22.32	-15.79	-10.20	-8.89	387.83	-706.09	382.96	-701.23	72.79
		14	5.19	102.88	-2.85	-2.35	102.38	-7.25	167.51	-1983.27	162.52	-1978.28	103.44
46	42	108	2.72	-14.30	-72.62	-21.36	-65.56	-19.03	913.99	-265.81	-265.67	913.85	12.98
		160	1.49	19.38	-31.24	-10.50	-1.37	-24.89	425.59	-408.72	-389.90	406.77	123.88
		116	0.93	15.21	-0.64	10.08	4.49	7.42	509.71	-2.97	0.42	506.32	-41.57
		14	2.73	-12.99	-68.36	-14.35	-67.00	-8.57	1089.08	-13.73	44.60	1030.75	-246.83
46	43	108	1.30	-0.63	-23.10	-5.27	-18.46	-9.10	265.14	-458.32	264.47	-457.66	21.85
		160	1.11	23.77	7.14	14.90	16.01	8.30	328.58	-348.28	319.57	-339.27	-77.60
		116	0.64	8.60	-0.59	2.12	5.89	4.19	-137.08	-365.26	-137.61	-364.73	-11.05
		14	1.49	0.10	-17.83	0.06	-17.78	0.87	-63.22	-766.11	-153.92	-675.41	235.64
46	44	108	1.67	-5.61	-76.36	-17.87	-64.10	-26.78	304.45	71.86	152.47	223.84	110.68
		160	0.56	21.81	8.75	11.75	18.81	-5.49	122.46	-108.22	112.60	-98.36	46.67
		116	0.59	17.88	0.87	8.97	9.78	8.50	-69.03	-249.70	-242.17	-76.55	-36.09
		14	1.33	-3.06	-62.41	-3.06	-62.41	0.49	111.14	-282.39	-198.31	27.05	161.31
46	45	108	3.38	91.22	9.38	21.81	78.80	29.37	6.77	-1164.97	-87.40	-1070.80	-318.54
		160	1.03	-5.50	-23.38	-10.60	-18.28	8.08	247.91	-322.36	72.90	-147.35	-263.01
		116	0.99	-3.72	-15.57	-9.89	-9.40	-5.92	420.74	-186.12	417.29	-182.67	45.63
		14	2.99	77.03	4.96	5.02	76.97	2.10	273.75	-907.20	253.46	-886.91	-153.43
46	46	108	1.45	37.91	4.45	9.20	33.16	11.68	-45.79	-542.91	-199.40	-389.30	-229.71
		160	0.70	-8.84	-20.40	-13.76	-15.48	-5.71	159.19	-199.70	-134.07	93.56	-138.73
		116	0.51	-2.25	-6.30	-3.05	-5.50	-1.61	314.75	103.48	312.73	105.51	20.59
		14	1.26	32.44	1.80	1.90	32.34	1.71	313.30	-288.68	209.08	-184.45	-227.77
46	47	108	1.34	-0.88	-25.77	-5.91	-20.74	-10.00	264.47	-462.75	263.73	-462.01	23.18
		160	1.10	23.08	7.81	14.73	16.16	7.60	330.45	-345.82	321.05	-336.42	-79.17
		116	0.64	9.05	-0.48	2.48	6.10	4.41	-143.71	-364.33	-144.16	-363.88	-9.90
		14	1.53	-0.04	-20.04	-0.08	-20.00	0.83	-67.78	-775.42	-161.82	-681.38	240.21
46	48	108	1.63	-5.36	-73.68	-17.23	-61.82	-25.88	306.31	75.10	153.22	228.19	109.36
		160	0.55	21.15	9.43	11.92	18.66	-4.80	121.55	-111.65	111.11	-101.21	48.23
		116	0.58	17.39	0.80	8.61	9.58	8.28	-69.07	-243.96	-235.63	-77.40	-37.24
		14	1.29	-2.92	-60.19	-2.93	-60.19	0.52	113.78	-271.17	-190.41	33.03	156.74
46	49	108	3.34	88.54	9.14	21.16	76.52	28.46	5.02	-1168.31	-88.14	-1075.15	-317.22
		160	1.02	-6.20	-22.70	-10.77	-18.13	7.38	251.26	-321.37	74.39	-144.50	-264.57
		116	0.97	-3.66	-15.06	-9.53	-9.19	-5.70	414.41	-185.49	410.74	-181.82	46.78
		14	2.95	74.81	4.82	4.88	74.75	2.06	264.71	-912.03	245.57	-892.89	-148.86
46	50	108	1.49	40.59	4.70	9.85	35.43	12.58	-42.70	-540.91	-198.66	-384.95	-231.03
		160	0.68	-9.48	-19.73	-13.58	-15.63	-5.02	155.38	-200.23	-135.56	90.71	-

137.17													
		116	0.52	-2.40	-6.72	-3.40	-5.71	-1.83	321.02	102.91	319.27	104.66	19.44
		14	1.29	34.66	1.94	2.03	34.56	1.75	324.33	-285.84	216.98	-178.48	-
232.34													
46	51	108	1.41	25.74	-24.51	6.92	-5.70	-24.32	267.94	-468.11	267.32	-467.48	21.49
		160	1.08	24.60	7.97	15.61	16.95	8.29	314.12	-341.01	305.58	-332.46	-74.32
		116	0.63	9.20	-0.53	2.42	6.26	4.47	-133.52	-358.47	-134.05	-357.93	-10.95
		14	1.85	43.05	-13.78	26.98	2.29	25.59	-60.23	-761.59	-150.61	-671.21	
235.00													
46	52	108	1.87	19.30	-76.32	-5.68	-51.34	-42.01	298.82	70.50	155.31	214.01	
110.32													
		160	0.55	22.71	9.51	12.46	19.75	-5.50	110.93	-103.88	98.61	-91.56	49.95
		116	0.60	18.50	0.92	9.26	10.15	8.78	-62.41	-245.96	-238.61	-69.76	-35.99
		14	1.38	32.37	-50.85	23.86	-42.34	25.21	114.62	-278.36	-194.99	31.25	
160.66													
46	53	108	3.51	90.59	-14.94	9.61	66.04	44.59	4.75	-1155.97	-90.24	-1060.97	-
318.18													
		160	1.05	-6.27	-24.27	-11.31	-19.22	8.08	258.66	-325.92	86.89	-154.15	-
266.29													
		116	0.99	-3.78	-16.18	-10.19	-9.77	-6.19	417.14	-192.88	413.73	-189.46	45.53
		14	2.91	62.93	-27.94	-21.91	56.90	-22.63	270.25	-911.21	250.15	-891.11	-
152.79													
46	54	108	1.68	38.04	-20.63	-2.99	20.40	26.90	-44.99	-536.73	-202.24	-379.48	-
229.35													
		160	0.70	-9.65	-21.23	-14.46	-16.42	-5.71	159.01	-192.34	-120.08	86.75	-
142.01													
		116	0.51	-2.34	-6.88	-3.34	-5.87	-1.89	311.14	96.74	309.16	98.71	20.49
		14	1.32	23.24	-36.00	-25.03	12.27	-23.01	309.35	-292.24	205.77	-188.65	-
227.12													
46	55	108	1.45	25.36	-27.06	6.28	-7.98	-25.22	267.28	-472.54	266.57	-471.84	22.81
		160	1.08	23.91	8.63	15.44	17.10	7.59	315.98	-338.54	307.06	-329.62	-75.89
		116	0.63	9.66	-0.42	2.78	6.46	4.69	-140.15	-357.53	-140.60	-357.09	-9.79
		14	1.89	42.31	-15.40	26.85	0.07	25.56	-64.79	-770.90	-158.51	-677.18	
239.57													
46	56	108	1.83	19.58	-73.67	-5.03	-49.06	-41.10	300.57	73.85	156.06	218.37	
109.00													
		160	0.54	22.05	10.18	12.63	19.60	-4.81	110.10	-107.38	97.12	-94.41	51.51
		116	0.58	18.00	0.85	8.90	9.95	8.56	-62.47	-240.20	-232.07	-70.60	-37.14
		14	1.35	32.74	-48.87	24.00	-40.12	25.25	117.27	-267.14	-187.10	37.23	
156.09													
46	57	108	3.47	87.93	-15.20	8.97	63.76	43.68	2.99	-1159.31	-90.98	-1065.33	-
316.86													
		160	1.03	-6.97	-23.58	-11.48	-19.07	7.39	261.97	-324.90	88.37	-151.30	-
267.85													
		116	0.98	-3.72	-15.67	-9.83	-9.56	-5.98	410.81	-192.25	407.18	-188.62	46.68
		14	2.88	60.87	-28.24	-22.04	54.68	-22.67	261.22	-916.05	242.25	-897.09	-
148.21													
46	58	108	1.72	40.66	-20.32	-2.34	22.68	27.80	-41.84	-534.78	-201.50	-375.12	-
230.67													
		160	0.67	-10.29	-20.57	-14.29	-16.57	-5.01	155.18	-192.85	-121.57	83.91	-
140.45													
		116	0.52	-2.47	-7.31	-3.70	-6.08	-2.11	317.41	96.16	315.71	97.87	19.34
		14	1.33	25.06	-35.46	-24.89	14.49	-22.98	320.37	-289.39	213.66	-182.68	-
231.69													
46	59	108	3.89	79.20	8.54	18.91	68.83	25.00	294.90	-1490.25	271.99	-1467.34	-
200.93													
		160	2.05	29.91	-19.51	9.66	0.74	24.31	549.64	-628.10	474.70	-553.15	-
287.48													
		116	1.31	-1.72	-12.36	-10.07	-4.01	-4.37	180.36	-638.98	178.59	-637.21	38.00
		14	3.76	67.49	5.39	5.44	67.44	1.75	61.70	-1590.23	40.44	-1568.97	
186.19													
46	60	108	2.91	-7.82	-98.58	-23.09	-83.31	-33.96	814.22	-111.25	-101.35	804.32	95.19
		160	1.12	26.95	-17.73	-0.86	10.08	-21.66	282.18	-247.51	-215.20	249.87	
126.77													
		116	0.88	21.03	0.70	12.75	8.98	9.98	327.53	-174.10	-169.95	323.38	-45.46
		14	2.70	-4.97	-81.31	-4.97	-81.31	0.47	776.85	-111.79	-107.50	772.56	-61.59
46	61	108	4.71	113.45	11.58	27.03	98.00	36.54	215.62	-1700.47	166.43	-1651.28	-
303.05													
		160	2.03	21.15	-28.69	2.00	-9.55	24.24	516.96	-611.84	400.70	-495.58	-
343.10													
		116	1.46	-3.31	-18.96	-13.68	-8.59	-7.40	348.31	-585.85	345.06	-582.60	55.00
		14	4.40	95.92	6.88	6.93	95.87	2.11	165.34	-1635.11	162.66	-1632.42	69.47

46	62	108	2.08	-4.79	-64.32	-14.97	-54.13	-22.42	620.43	-206.97	-206.92	620.38	-6.93
		160	1.12	17.76	-26.48	-8.51	-0.21	-21.72	315.81	-297.57	-289.20	307.44	71.15
		116	0.71	14.12	-0.58	9.15	4.39	6.95	380.10	-5.59	-3.48	377.99	-28.46
		14	2.09	-3.47	-52.90	-3.48	-52.88	0.84	752.22	-28.39	14.72	709.11	-
178.31													
46	63	108	3.88	79.93	15.29	22.56	72.66	20.43	295.73	-1493.17	272.84	-1470.29	-
201.04													
		160	2.04	30.15	-19.26	9.87	1.02	24.30	545.36	-625.97	470.50	-551.11	-
286.50													
		116	1.31	-1.68	-12.20	-9.98	-3.90	-4.29	181.43	-636.95	179.66	-635.17	38.03
		14	3.77	74.83	12.15	13.52	73.46	9.16	62.65	-1588.93	41.43	-1567.71	
186.00													
46	64	108	2.93	-0.62	-98.30	-19.44	-79.48	-38.52	811.29	-110.42	-100.50	801.37	95.08
		160	1.12	27.21	-17.49	-0.64	10.36	-21.66	284.31	-251.80	-219.40	251.91	
127.75													
		116	0.88	21.21	0.72	12.84	9.09	10.07	329.56	-173.02	-168.88	325.41	-45.43
		14	2.70	3.89	-76.07	3.10	-75.29	7.89	778.14	-110.82	-106.50	773.82	-61.78
46	65	108	4.73	113.02	4.53	23.37	94.18	41.11	214.83	-1697.59	165.57	-1648.33	-
302.94													
		160	2.04	20.91	-28.95	1.79	-9.83	24.24	521.11	-613.84	404.90	-497.62	-
344.09													
		116	1.46	-3.33	-19.14	-13.77	-8.70	-7.49	347.23	-587.88	343.99	-584.63	54.97
		14	4.39	90.16	-1.46	-1.15	89.85	-5.30	164.36	-1636.38	161.66	-1633.68	69.66
46	66	108	2.08	-11.73	-64.85	-18.63	-57.96	-17.85	623.38	-207.82	-207.77	623.32	-6.82
		160	1.11	17.50	-26.71	-8.72	-0.49	-21.72	313.63	-293.23	-285.01	305.40	70.16
		116	0.71	13.94	-0.60	9.06	4.28	6.87	378.08	-6.67	-4.54	375.95	-28.49
		14	2.09	-10.66	-59.80	-11.56	-58.91	-6.58	750.89	-29.32	13.72	707.85	-
178.12													
46	67	108	3.77	70.27	7.73	16.76	61.23	21.99	291.29	-1503.63	269.51	-1481.85	-
196.51													
		160	2.02	27.51	-17.18	9.08	1.25	21.99	557.45	-621.46	479.65	-543.66	-
292.69													
		116	1.28	-1.51	-10.68	-8.88	-3.32	-3.64	158.98	-636.60	156.77	-634.39	41.84
		14	3.66	60.09	4.94	4.99	60.04	1.63	39.05	-1613.81	14.12	-1588.88	
201.43													
46	68	108	2.79	-7.01	-89.65	-20.95	-75.71	-30.94	827.73	-107.77	-98.87	818.83	90.77
		160	1.08	24.61	-15.32	-0.28	9.57	-19.35	275.51	-255.30	-220.16	240.37	
131.98													
		116	0.83	19.32	0.52	11.55	8.29	9.26	325.68	-153.26	-148.13	320.55	-49.31
		14	2.59	-4.52	-73.91	-4.52	-73.91	0.59	799.18	-87.89	-81.18	792.47	-76.83
46	69	108	4.59	104.52	10.77	24.88	90.41	33.52	211.45	-1713.30	163.95	-1665.80	-
298.63													
		160	1.99	18.74	-26.35	1.43	-9.04	21.93	525.58	-606.01	405.65	-486.08	-
348.31													
		116	1.42	-3.13	-17.25	-12.48	-7.90	-6.68	327.06	-583.59	323.24	-579.77	58.85
		14	4.29	88.51	6.43	6.47	88.47	1.99	140.34	-1656.34	136.34	-1652.34	84.71
46	70	108	1.97	-3.98	-55.38	-12.82	-46.53	-19.40	635.05	-204.59	-204.44	634.89	-11.35
		160	1.09	15.42	-24.07	-7.94	-0.72	-19.41	307.64	-303.84	-294.16	297.95	76.35
		116	0.68	12.40	-0.75	7.95	3.70	6.22	378.07	15.44	18.34	375.17	-32.30
		14	2.00	-3.01	-45.50	-3.03	-45.48	0.96	779.74	-9.68	41.04	729.02	-
193.55													
46	71	108	3.77	71.05	14.42	20.42	65.06	17.42	292.12	-1506.56	270.36	-1484.80	-
196.62													
		160	2.01	27.75	-16.92	9.30	1.53	21.99	553.18	-619.34	475.46	-541.62	-
291.71													
		116	1.28	-1.47	-10.52	-8.79	-3.21	-3.56	160.05	-634.57	157.84	-632.35	41.88
		14	3.67	67.56	11.56	13.06	66.06	9.04	40.00	-1612.51	15.12	-1587.62	
201.24													
46	72	108	2.81	0.20	-89.38	-17.29	-71.88	-35.51	824.79	-106.93	-98.02	815.89	90.66
		160	1.08	24.87	-15.09	-0.07	9.85	-19.35	277.63	-259.57	-224.35	242.41	
132.96													
		116	0.83	19.50	0.54	11.64	8.40	9.34	327.71	-152.17	-147.06	322.59	-49.28
		14	2.60	4.44	-68.77	3.56	-67.89	8.01	800.47	-86.92	-80.19	793.73	-77.03
46	73	108	4.61	104.09	3.72	21.23	86.58	38.09	210.66	-1710.41	163.09	-1662.85	-
298.52													
		160	2.00	18.50	-26.61	1.22	-9.32	21.93	529.72	-607.99	409.85	-488.12	-
349.30													
		116	1.42	-3.16	-17.42	-12.57	-8.01	-6.76	325.98	-585.62	322.17	-581.81	58.82
		14	4.28	82.79	-1.95	-1.60	82.45	-5.42	139.36	-1657.62	135.34	-1653.60	84.90
46	74	108	1.98	-10.90	-55.94	-16.48	-50.36	-14.84	637.99	-205.44	-205.29	637.84	-11.24
		160	1.08	15.16	-24.31	-8.15	-1.00	-19.41	305.45	-299.50	-289.96	295.91	75.37
		116	0.68	12.23	-0.78	7.86	3.59	6.14	376.05	14.36	17.27	373.13	-32.34

		14	1.99	-10.10	-52.51	-11.11	-51.50	-6.46	778.40	-10.60	40.04	727.76	-
193.36													
46	75	108	1.19	-0.17	-17.88	-4.03	-14.02	-7.31	224.49	-450.96	224.49	-450.96	0.47
		160	0.99	19.96	5.76	12.43	13.29	7.08	291.98	-313.51	280.49	-302.02	-82.62
		116	0.57	7.31	-0.74	1.67	4.90	3.69	-98.50	-324.42	-98.81	-324.11	-8.41
		14	1.33	0.28	-13.54	0.21	-13.47	0.94	-55.96	-698.85	-122.46	-632.35	
195.78													
46	76	108	1.24	-4.30	-61.88	-14.44	-51.74	-21.93	196.75	47.56	132.00	112.31	73.94
		160	0.48	17.91	7.52	9.82	15.60	-4.31	111.37	-104.81	109.47	-102.91	20.15
		116	0.48	14.99	0.47	7.33	8.12	7.25	-78.01	-193.05	-185.16	-85.90	-29.07
		14	0.96	-2.36	-50.36	-2.37	-50.36	0.62	39.25	-250.14	-159.11	-51.77	
134.37													
46	77	108	2.95	76.73	8.08	18.38	66.44	24.51	14.62	-1040.81	-66.92	-959.27	-
281.80													
		160	0.92	-4.27	-19.47	-8.67	-15.07	6.89	227.18	-293.96	76.02	-142.80	-
236.49													
		116	0.87	-3.32	-12.67	-8.26	-7.74	-4.67	363.06	-176.10	360.28	-173.32	38.61
		14	2.62	64.98	4.26	4.32	64.91	1.96	229.69	-823.51	214.27	-808.09	-
126.50													
46	78	108	1.34	32.67	4.00	7.96	28.72	9.89	-38.14	-517.28	-159.42	-396.00	-
208.33													
		160	0.60	-7.46	-16.58	-11.28	-12.76	-4.50	134.30	-172.98	-94.99	56.31	-
133.72													
		116	0.45	-2.09	-5.02	-2.60	-4.52	-1.11	275.46	63.36	273.92	64.89	17.96
		14	1.17	28.13	1.64	1.74	28.03	1.64	251.36	-301.25	177.62	-227.52	-
187.91													
46	79	108	1.22	-0.38	-20.08	-4.56	-15.90	-8.06	223.88	-454.56	223.88	-454.56	1.57
		160	0.98	19.39	6.32	12.29	13.42	6.51	293.59	-311.53	281.72	-299.67	-83.90
		116	0.57	7.69	-0.65	1.97	5.07	3.87	-103.96	-323.66	-104.22	-323.40	-7.46
		14	1.36	0.15	-15.36	0.10	-15.31	0.91	-60.00	-706.27	-128.99	-637.28	
199.57													
46	80	108	1.21	-4.10	-59.66	-13.91	-49.86	-21.18	197.58	50.94	132.61	115.91	72.85
		160	0.47	17.37	8.08	9.96	15.48	-3.74	110.37	-107.40	108.24	-105.27	21.44
		116	0.47	14.58	0.41	7.03	7.95	7.07	-77.76	-188.60	-179.76	-86.60	-30.03
		14	0.93	-2.25	-48.53	-2.26	-48.52	0.65	41.18	-240.60	-152.59	-46.84	
130.59													
46	81	108	2.91	74.52	7.88	17.84	64.56	23.76	13.19	-1043.60	-67.54	-962.87	-
280.70													
		160	0.91	-4.86	-18.91	-8.82	-14.95	6.32	229.91	-293.10	77.25	-140.44	-
237.78													
		116	0.85	-3.27	-12.25	-7.96	-7.57	-4.49	357.82	-175.57	354.87	-172.62	39.57
		14	2.59	63.14	4.15	4.21	63.08	1.93	222.29	-827.57	207.75	-813.03	-
122.71													
46	82	108	1.37	34.89	4.21	8.49	30.60	10.64	-35.81	-515.40	-158.80	-392.40	-
209.43													
		160	0.58	-7.99	-16.04	-11.14	-12.88	-3.93	131.11	-173.37	-96.22	53.96	-
132.43													
		116	0.46	-2.22	-5.36	-2.89	-4.69	-1.29	280.66	62.85	279.33	64.18	17.00
		14	1.20	29.97	1.75	1.85	29.87	1.67	260.25	-298.68	184.15	-222.58	-
191.69													
46	83	108	1.28	21.76	-19.17	6.06	-3.46	-19.90	226.84	-459.02	226.84	-459.02	0.19
		160	0.97	20.64	6.45	13.02	14.07	7.08	279.99	-307.47	268.92	-296.40	-79.89
		116	0.56	7.81	-0.69	1.92	5.21	3.92	-95.53	-318.79	-95.84	-318.48	-8.31
		14	1.61	36.30	-10.67	22.49	3.13	21.40	-53.46	-695.14	-119.73	-628.87	
195.28													
46	84	108	1.43	16.36	-61.90	-4.35	-41.18	-34.52	194.47	44.11	134.34	104.24	73.65
		160	0.47	18.65	8.15	10.41	16.39	-4.32	100.55	-99.93	97.90	-97.29	22.88
		116	0.48	15.49	0.51	7.58	8.43	7.48	-72.61	-189.85	-182.19	-80.27	-28.97
		14	1.21	27.20	-41.04	19.91	-33.75	21.08	42.02	-246.70	-156.37	-48.30	
133.86													
46	85	108	3.05	76.17	-11.99	8.29	55.88	37.10	12.93	-1033.40	-69.27	-951.20	-
281.51													
		160	0.94	-4.91	-20.21	-9.26	-15.85	6.90	236.33	-297.16	87.59	-148.42	-
239.22													
		116	0.87	-3.37	-13.18	-8.50	-8.04	-4.90	360.06	-181.70	357.30	-178.95	38.51
		14	2.55	53.12	-22.77	-17.96	48.31	-18.50	226.82	-826.85	211.53	-811.56	-
125.99													
46	86	108	1.52	32.69	-16.65	-2.13	18.16	22.49	-38.06	-511.65	-161.76	-387.94	-
208.05													
		160	0.60	-8.13	-17.28	-11.87	-13.54	-4.50	135.67	-168.40	-83.42	50.69	-
136.45													
		116	0.45	-2.17	-5.50	-2.84	-4.82	-1.34	272.45	57.76	270.95	59.26	17.85

		14	1.10	20.13	-29.24	-20.54	11.43	-18.82	248.18	-304.28	174.88	-230.99	-
187.40													
46	87	108	1.31	21.45	-21.26	5.53	-5.35	-20.65	226.22	-462.63	226.22	-462.62	1.28
		160	0.97	20.07	7.00	12.87	14.20	6.50	281.60	-305.49	270.15	-294.04	-81.17
		116	0.56	8.19	-0.60	2.21	5.38	4.10	-100.99	-318.03	-101.24	-317.78	-7.36
		14	1.64	35.67	-11.99	22.38	1.30	21.37	-57.50	-702.57	-126.25	-633.81	
199.06													
46	88	108	1.39	16.59	-59.71	-3.82	-39.30	-33.78	195.21	47.58	134.95	107.84	72.56
		160	0.47	18.12	8.70	10.55	16.26	-3.75	99.60	-102.57	96.67	-99.64	24.17
		116	0.47	15.08	0.45	7.28	8.26	7.30	-72.39	-185.37	-176.79	-80.97	-29.93
		14	1.18	27.52	-39.41	20.02	-31.92	21.11	43.95	-237.17	-149.85	-43.36	
130.08													
46	89	108	3.02	73.97	-12.21	7.76	54.00	36.36	11.50	-1036.18	-69.88	-954.80	-
280.42													
		160	0.93	-5.49	-19.64	-9.40	-15.73	6.33	239.03	-296.27	88.83	-146.07	-
240.50													
		116	0.86	-3.32	-12.76	-8.21	-7.87	-4.72	354.82	-181.17	351.90	-178.25	39.47
		14	2.53	51.42	-23.01	-18.07	46.47	-18.53	219.43	-830.91	205.01	-816.50	-
122.21													
46	90	108	1.55	34.85	-16.40	-1.59	20.04	23.23	-35.69	-509.80	-161.15	-384.34	-
209.14													
		160	0.58	-8.65	-16.74	-11.73	-13.67	-3.92	132.47	-168.79	-84.65	48.33	-
135.16													
		116	0.46	-2.29	-5.85	-3.14	-4.99	-1.52	277.66	57.25	276.36	58.56	16.90
		14	1.10	21.65	-28.81	-20.43	13.26	-18.79	257.07	-301.71	181.41	-226.05	-
191.18													
46	91	108	3.37	66.74	7.38	15.97	58.15	20.88	252.42	-1308.02	230.41	-1286.01	-
184.03													
		160	1.78	25.02	-16.28	8.08	0.66	20.31	477.21	-547.35	408.44	-478.59	-
256.36													
		116	1.14	-1.59	-10.09	-8.41	-3.28	-3.39	164.06	-550.69	162.61	-549.24	32.15
		14	3.25	57.05	4.61	4.66	56.99	1.67	54.91	-1387.96	38.15	-1371.19	
154.63													
46	92	108	2.25	-6.13	-80.21	-18.75	-67.59	-27.85	597.03	-83.40	-77.91	591.54	60.86
		160	0.85	22.12	-14.35	-0.60	8.38	-17.68	205.36	-181.85	-161.61	185.11	86.19
		116	0.68	17.57	0.35	10.46	7.46	8.48	248.40	-128.84	-125.23	244.79	-36.72
		14	2.08	-3.94	-65.96	-3.94	-65.95	0.61	567.90	-87.86	-84.01	564.05	-50.07
46	93	108	4.05	95.08	9.90	22.69	82.29	30.43	187.40	-1482.91	142.98	-1438.50	-
268.72													
		160	1.76	17.77	-23.87	1.75	-7.85	20.26	450.90	-534.62	347.10	-430.83	-
302.53													
		116	1.26	-2.95	-15.50	-11.39	-7.07	-5.89	302.99	-506.66	300.34	-504.01	46.26
		14	3.79	80.56	5.84	5.90	80.51	1.97	141.31	-1426.06	139.17	-1423.91	57.95
46	94	108	1.56	-3.62	-51.86	-12.03	-43.45	-18.30	439.99	-166.27	-165.34	439.05	-23.82
		160	0.86	14.52	-21.59	-6.94	-0.13	-17.73	236.37	-226.44	-222.95	232.88	40.03
		116	0.54	11.84	-0.69	7.48	3.66	5.97	291.85	10.67	12.50	290.02	-22.61
		14	1.59	-2.69	-42.46	-2.71	-42.43	0.91	551.62	-23.28	17.01	511.33	-
146.76													
46	95	108	3.36	67.36	12.94	18.99	61.32	17.10	253.10	-1310.42	231.11	-1288.43	-
184.12													
		160	1.77	25.22	-16.07	8.26	0.90	20.31	473.67	-545.60	404.97	-476.90	-
255.55													
		116	1.14	-1.56	-9.96	-8.33	-3.19	-3.32	164.96	-549.01	163.51	-547.56	32.18
		14	3.26	63.15	10.17	11.35	61.98	7.80	55.71	-1386.89	38.97	-1370.15	
154.48													
46	96	108	2.27	-0.16	-79.99	-15.72	-64.42	-31.62	594.62	-82.71	-77.21	589.12	60.77
		160	0.85	22.34	-14.15	-0.43	8.61	-17.68	207.14	-185.42	-165.08	186.80	87.01
		116	0.68	17.71	0.37	10.53	7.55	8.55	250.07	-127.93	-124.34	246.48	-36.69
		14	2.08	3.45	-61.68	2.74	-60.97	6.75	568.96	-87.06	-83.19	565.09	-50.23
46	97	108	4.07	94.71	4.07	19.66	79.12	34.21	186.75	-1480.55	142.28	-1436.08	-
268.63													
		160	1.76	17.57	-24.08	1.58	-8.08	20.26	454.33	-536.27	350.57	-432.51	-
303.34													
		116	1.26	-2.97	-15.65	-11.46	-7.16	-5.96	302.09	-508.34	299.45	-505.70	46.23
		14	3.77	75.75	-1.01	-0.79	75.53	-4.17	140.50	-1427.11	138.35	-1424.95	58.10
46	98	108	1.57	-9.39	-52.28	-15.06	-46.62	-14.52	442.39	-166.97	-166.04	441.47	-23.74
		160	0.85	14.31	-21.79	-7.11	-0.36	-17.73	234.58	-222.86	-219.48	231.19	39.21
		116	0.54	11.69	-0.71	7.41	3.57	5.90	290.18	9.77	11.61	288.34	-22.64
		14	1.58	-8.69	-48.12	-9.39	-47.42	-5.22	550.51	-24.04	16.19	510.29	-
146.61													
46	99	108	3.28	59.36	6.70	14.19	51.88	18.39	249.39	-1319.03	228.36	-1298.01	-
180.38													

		160	1.75	23.04	-14.35	7.61	1.08	18.40	483.73	-541.92	412.55	-470.74	-
260.66													
		116	1.11	-1.41	-8.71	-7.42	-2.71	-2.79	146.40	-548.70	144.60	-546.90	35.34
		14	3.17	50.93	4.24	4.29	50.88	1.57	36.05	-1407.29	16.40	-1387.65	
167.24													
46	100	108	2.15	-5.46	-72.83	-16.98	-61.31	-25.36	608.32	-80.65	-75.86	603.54	57.20
		160	0.81	20.19	-12.36	-0.13	7.96	-15.77	199.67	-188.12	-165.71	177.26	90.48
		116	0.64	16.16	0.20	9.47	6.89	7.88	246.94	-111.71	-107.21	242.44	-39.91
		14	2.00	-3.56	-59.84	-3.57	-59.84	0.71	586.56	-68.32	-62.26	580.51	-62.68
46	101	108	3.95	87.70	9.22	20.91	76.01	27.94	183.92	-1493.49	140.94	-1450.50	-
265.06													
		160	1.73	15.78	-21.93	1.28	-7.43	18.35	458.06	-529.82	351.21	-422.97	-
306.82													
		116	1.22	-2.81	-14.09	-10.40	-6.50	-5.29	285.43	-504.77	282.33	-501.66	49.45
		14	3.70	74.45	5.47	5.52	74.39	1.87	120.61	-1443.56	117.42	-1440.37	70.56
46	102	108	1.47	-2.95	-44.48	-10.26	-37.18	-15.81	452.27	-164.52	-163.29	451.05	-27.48
		160	0.82	12.59	-19.60	-6.46	-0.55	-15.82	229.33	-231.36	-227.05	225.03	44.32
		116	0.51	10.42	-0.84	6.49	3.09	5.37	290.24	27.95	30.51	287.68	-25.80
		14	1.52	-2.31	-36.35	-2.34	-36.32	1.01	575.13	-8.59	38.76	527.79	-
159.36													
46	103	108	3.27	60.03	12.23	17.22	55.04	14.61	250.07	-1321.43	229.07	-1300.43	-
180.47													
		160	1.74	23.24	-14.13	7.79	1.32	18.40	480.20	-540.18	409.08	-469.05	-
259.84													
		116	1.11	-1.38	-8.58	-7.34	-2.62	-2.72	147.30	-547.02	145.49	-545.21	35.37
		14	3.18	57.15	9.69	10.97	55.86	7.70	36.84	-1406.22	17.22	-1386.61	
167.09													
46	104	108	2.17	0.52	-72.62	-13.95	-58.15	-29.13	605.91	-79.95	-75.16	601.12	57.12
		160	0.82	20.40	-12.17	0.04	8.19	-15.77	201.44	-191.68	-169.18	178.95	91.30
		116	0.64	16.31	0.21	9.54	6.98	7.94	248.61	-110.80	-106.32	244.13	-39.88
		14	2.00	3.91	-55.65	3.11	-54.85	6.85	587.63	-67.53	-61.44	581.55	-62.83
46	105	108	3.97	87.33	3.40	17.89	72.85	31.72	183.27	-1491.12	140.24	-1448.08	-
264.98													
		160	1.73	15.59	-22.14	1.10	-7.66	18.35	461.48	-531.46	354.68	-424.66	-
307.64													
		116	1.23	-2.83	-14.23	-10.47	-6.59	-5.36	284.53	-506.45	281.43	-503.35	49.42
		14	3.69	69.67	-1.42	-1.16	69.41	-4.27	119.80	-1444.62	116.60	-1441.41	70.71
46	106	108	1.48	-8.71	-44.92	-13.28	-40.34	-12.03	454.68	-165.21	-163.99	453.47	-27.39
		160	0.81	12.38	-19.80	-6.64	-0.78	-15.82	227.54	-227.78	-223.58	223.34	43.50
		116	0.51	10.28	-0.86	6.42	3.00	5.30	288.57	27.04	29.62	285.99	-25.83
		14	1.50	-8.23	-42.09	-9.02	-41.30	-5.12	574.03	-9.35	37.93	526.75	-
159.21													
48	1	116	0.17	0.68	0.53	0.64	0.56	0.06	23.35	-89.26	23.35	-89.26	-0.16
		15	0.08	0.53	-0.03	0.53	-0.03	0.06	47.65	16.81	45.08	19.38	-8.53
		117	0.11	-0.13	-0.25	-0.20	-0.17	0.06	56.26	-18.03	23.22	15.01	36.92
		122	0.21	0.42	-0.09	-0.08	0.42	0.06	19.60	-111.74	1.49	-93.63	45.28
48	2	116	0.61	2.97	0.99	1.88	2.08	0.98	81.41	-310.24	80.35	-309.18	-20.40
		15	0.28	2.80	0.83	1.82	1.80	0.98	155.53	-17.50	141.49	-3.46	-47.24
		117	0.28	1.50	-1.72	-1.39	1.16	0.98	118.97	-65.15	71.31	-17.50	80.64
		122	0.65	1.75	-1.65	-1.33	1.44	0.98	41.82	-354.86	10.17	-323.21	
107.48													
48	3	116	0.13	0.48	0.39	0.47	0.40	0.03	16.89	-64.51	16.89	-64.51	0.26
		15	0.06	0.38	-0.06	0.38	-0.06	0.03	34.62	13.58	32.86	15.34	-5.83
		117	0.08	-0.11	-0.18	-0.13	-0.16	0.03	42.23	-13.12	16.95	12.16	27.57
		122	0.15	0.30	-0.04	-0.04	0.30	0.03	14.73	-81.43	0.98	-67.69	33.66
48	4	116	0.57	2.77	0.86	1.71	1.92	0.95	74.99	-285.54	73.88	-284.43	-19.98
		15	0.26	2.68	0.77	1.68	1.77	0.95	142.49	-20.73	129.27	-7.50	-44.54
		117	0.25	1.50	-1.64	-1.32	1.18	0.95	105.45	-60.75	65.05	-20.35	71.30
		122	0.59	1.64	-1.60	-1.29	1.32	0.95	37.14	-324.75	9.66	-297.27	95.86
48	5	116	0.13	0.50	0.40	0.49	0.42	0.04	17.49	-66.85	17.49	-66.85	0.04
		15	0.06	0.40	-0.04	0.39	-0.04	0.04	35.77	13.21	33.88	15.10	-6.24
		117	0.09	-0.11	-0.18	-0.14	-0.14	0.04	42.82	-13.54	17.47	11.81	28.04
		122	0.16	0.32	-0.06	-0.05	0.31	0.04	14.92	-83.99	1.08	-70.14	34.32
48	6	116	0.42	2.03	0.71	1.31	1.43	0.65	56.16	-214.14	55.49	-213.47	-13.45
		15	0.19	1.88	0.57	1.26	1.18	0.65	107.69	-9.66	98.16	-0.13	-32.05
		117	0.20	0.97	-1.16	-0.94	0.74	0.65	84.27	-44.60	49.53	-9.86	57.19
		122	0.45	1.20	-1.09	-0.89	0.99	0.65	29.59	-245.92	6.86	-223.19	75.79
48	7	116	0.13	0.50	0.40	0.49	0.42	0.04	17.49	-66.85	17.49	-66.85	0.04
		15	0.06	0.40	-0.04	0.39	-0.04	0.04	35.77	13.21	33.88	15.10	-6.24
		117	0.09	-0.11	-0.18	-0.14	-0.14	0.04	42.82	-13.54	17.47	11.81	28.04
		122	0.16	0.32	-0.06	-0.05	0.31	0.04	14.92	-83.99	1.08	-70.14	34.32
48	8	116	0.34	1.57	0.62	1.06	1.13	0.47	44.51	-169.90	44.09	-169.48	-9.40

		15	0.15	1.39	0.43	1.00	0.82	0.47	86.11	-2.80	78.88	4.44	-24.31
		117	0.16	0.64	-0.86	-0.70	0.48	0.47	71.33	-34.78	39.91	-3.36	48.44
		122	0.36	0.93	-0.78	-0.64	0.79	0.47	24.97	-197.12	5.13	-177.28	63.35
48	9	116	0.13	0.50	0.40	0.49	0.42	0.04	17.49	-66.85	17.49	-66.85	0.04
		15	0.06	0.40	-0.04	0.39	-0.04	0.04	35.77	13.21	33.88	15.10	-6.24
		117	0.09	-0.11	-0.18	-0.14	-0.14	0.04	42.82	-13.54	17.47	11.81	28.04
		122	0.16	0.32	-0.06	-0.05	0.31	0.04	14.92	-83.99	1.08	-70.14	34.32
48	10	116	0.31	1.41	0.59	0.98	1.03	0.41	40.63	-155.15	40.29	-154.82	-8.05
		15	0.14	1.23	0.38	0.91	0.70	0.41	78.92	-0.51	72.45	5.96	-21.73
		117	0.15	0.53	-0.76	-0.62	0.39	0.41	67.07	-31.56	36.70	-1.19	45.53
		122	0.33	0.84	-0.67	-0.55	0.72	0.41	23.45	-180.87	4.55	-161.97	59.20
48	11	116	1.33	-1.43	-7.00	-6.28	-2.15	-1.87	460.22	-400.97	296.69	-237.45	
337.76													
		15	0.85	14.17	-2.74	-2.72	14.15	0.60	513.97	106.51	423.36	197.12	
169.44													
		117	0.98	17.58	-4.20	-0.35	13.72	8.32	180.18	-305.27	-102.56	-22.53	
239.40													
		122	1.77	4.04	-7.88	-4.31	0.47	5.46	307.35	-776.52	-166.15	-303.02	
537.59													
48	12	116	0.86	-6.42	-18.42	-16.44	-8.40	-4.46	301.67	-118.99	209.13	-26.45	
174.25													
		15	1.54	23.57	-9.21	-9.19	23.55	0.92	196.18	-521.25	177.15	-502.22	
115.28													
		117	1.76	31.28	-7.19	0.15	23.94	15.12	-44.30	-733.68	-111.80	-666.18	-
204.88													
		122	0.32	4.47	-14.66	-6.20	-3.99	9.50	-5.48	-23.97	-13.02	-16.43	9.09
48	13	116	0.92	21.03	7.83	18.39	10.46	5.28	-0.41	-411.34	-128.55	-283.19	-
190.36													
		15	1.43	11.01	-22.16	11.01	-22.16	-0.10	556.91	-75.01	-32.25	514.14	-
158.73													
		117	1.86	5.70	-30.25	-1.39	-23.16	-14.30	805.09	43.93	185.21	663.80	
295.94													
		122	0.81	13.95	-3.42	5.09	5.44	-8.68	55.07	-340.47	22.12	-307.51	
109.32													
48	14	116	1.18	9.58	2.86	8.24	4.21	2.69	216.96	-505.26	-216.11	-72.19	-
353.87													
		15	0.80	4.54	-12.76	4.54	-12.76	0.21	-13.90	-449.77	-278.47	-185.20	-
212.89													
		117	0.76	2.70	-16.53	-0.89	-12.94	-7.50	265.62	-69.50	175.97	20.15	-
148.35													
		122	1.39	6.87	-2.69	3.21	0.97	-4.65	507.68	-353.35	175.25	-20.92	-
419.19													
48	15	116	1.34	-1.62	-7.62	-6.81	-2.43	-2.06	464.73	-397.72	302.32	-235.31	
337.18													
		15	0.86	14.60	-3.24	-3.22	14.57	0.65	511.55	104.94	425.84	190.65	
165.84													
		117	0.98	18.40	-4.23	-0.22	14.39	8.64	169.09	-303.51	-103.54	-30.88	
233.49													
		122	1.76	3.97	-8.16	-4.43	0.24	5.60	302.44	-770.72	-166.62	-301.67	
532.31													
48	16	116	0.85	-6.24	-17.80	-15.90	-8.13	-4.28	297.30	-122.38	203.51	-28.59	
174.83													
		15	1.51	23.15	-8.71	-8.68	23.13	0.88	195.12	-516.21	174.67	-495.76	
118.88													
		117	1.72	30.46	-7.16	0.03	23.27	14.79	-46.11	-722.55	-110.82	-657.83	-
198.97													
		122	0.33	4.51	-14.36	-6.08	-3.77	9.36	-0.56	-29.77	-12.55	-17.79	14.37
48	17	116	0.91	20.40	7.64	17.86	10.18	5.09	4.67	-408.65	-122.92	-281.05	-
190.94													
		15	1.41	10.51	-21.74	10.51	-21.74	-0.06	552.90	-74.99	-29.77	507.67	-
162.33													
		117	1.82	5.67	-29.43	-1.27	-22.49	-13.98	793.51	46.17	184.23	655.45	
290.03													
		122	0.79	13.64	-3.46	4.97	5.21	-8.55	51.88	-336.39	21.65	-306.16	
104.03													
48	18	116	1.19	10.21	3.04	8.77	4.49	2.87	212.86	-508.93	-221.74	-74.34	-
353.29													
		15	0.80	5.05	-13.18	5.05	-13.18	0.17	-14.39	-445.28	-280.94	-178.73	-
209.30													
		117	0.75	2.73	-17.36	-1.02	-13.61	-7.83	263.34	-57.89	176.95	28.50	-
142.43													
		122	1.38	7.16	-2.64	3.32	1.20	-4.78	502.30	-348.87	175.72	-22.28	-

413.91													
48	19	116	1.32	-1.69	-7.76	-6.93	-2.51	-2.08	451.01	-397.94	287.93	-234.86	
334.44													
		15	0.87	14.74	-3.29	-3.27	14.72	0.57	515.50	105.70	427.13	194.06	
168.53													
		117	0.97	18.52	-4.43	-0.27	14.36	8.84	162.94	-300.46	-100.85	-36.68	
229.47													
		122	1.76	3.94	-8.22	-4.46	0.17	5.62	309.50	-768.31	-164.14	-294.67	
534.94													
48	20	116	0.85	-6.67	-19.18	-17.09	-8.76	-4.67	292.67	-116.17	200.37	-23.86	
170.93													
		15	1.56	24.14	-9.77	-9.74	24.12	0.89	199.48	-523.84	180.91	-505.27	
114.38													
		117	1.81	32.22	-7.42	0.22	24.58	15.64	-38.22	-752.20	-110.09	-680.33	-
214.82													
		122	0.32	4.39	-15.03	-6.34	-4.29	9.66	-2.95	-16.14	-11.01	-8.08	6.43
48	21	116	0.92	21.79	8.08	19.05	10.82	5.48	1.84	-407.41	-119.78	-285.78	-
187.04													
		15	1.46	11.57	-22.73	11.57	-22.73	-0.08	559.05	-77.87	-36.01	517.19	-
157.83													
		117	1.91	5.93	-31.19	-1.46	-23.80	-14.83	824.02	37.43	183.50	677.95	
305.87													
		122	0.83	14.33	-3.36	5.24	5.74	-8.84	54.00	-349.76	20.11	-315.86	
111.97													
48	22	116	1.18	10.35	3.11	8.89	4.57	2.90	215.70	-497.82	-207.34	-74.78	-
350.55													
		15	0.81	5.10	-13.33	5.10	-13.33	0.24	-14.38	-450.00	-282.23	-182.15	-
211.99													
		117	0.74	2.93	-17.48	-0.96	-13.58	-8.02	259.37	-50.82	174.26	34.30	-
138.41													
		122	1.39	7.23	-2.61	3.35	1.27	-4.81	500.65	-356.68	173.24	-29.27	-
416.54													
48	23	116	1.33	-1.87	-8.38	-7.47	-2.79	-2.26	455.51	-394.68	293.56	-232.72	
333.86													
		15	0.88	15.16	-3.80	-3.78	15.14	0.62	513.17	104.04	429.61	187.60	
164.94													
		117	0.96	19.34	-4.46	-0.15	15.03	9.17	151.92	-298.78	-101.83	-45.03	
223.56													
		122	1.75	3.87	-8.50	-4.58	-0.06	5.76	304.59	-762.52	-164.61	-293.32	
529.66													
48	24	116	0.84	-6.49	-18.56	-16.56	-8.49	-4.48	288.32	-119.59	194.74	-26.01	
171.51													
		15	1.54	23.72	-9.26	-9.24	23.70	0.85	198.40	-518.77	178.44	-498.81	
117.97													
		117	1.78	31.40	-7.40	0.10	23.90	15.32	-40.05	-741.04	-109.11	-671.98	-
208.91													
		122	0.33	4.44	-14.73	-6.22	-4.06	9.52	1.74	-21.72	-10.54	-9.44	11.71
48	25	116	0.91	21.17	7.90	18.52	10.54	5.30	6.97	-404.76	-114.16	-283.64	-
187.62													
		15	1.44	11.07	-22.30	11.07	-22.30	-0.03	555.00	-77.81	-33.54	510.73	-
161.42													
		117	1.88	5.90	-30.37	-1.34	-23.13	-14.50	812.44	39.68	182.52	669.60	
299.96													
		122	0.81	14.02	-3.40	5.12	5.51	-8.71	50.80	-345.66	19.64	-314.51	
106.69													
48	26	116	1.19	10.97	3.30	9.42	4.85	3.08	211.57	-501.47	-212.97	-76.93	-
349.97													
		15	0.81	5.60	-13.75	5.60	-13.75	0.20	-14.79	-445.60	-284.71	-175.68	-
208.39													
		117	0.73	2.96	-18.30	-1.09	-14.25	-8.35	257.10	-39.22	175.24	42.65	-
132.50													
		122	1.38	7.52	-2.55	3.47	1.50	-4.94	495.30	-352.22	173.71	-30.63	-
411.26													
48	27	116	1.59	16.20	7.56	14.21	9.55	3.64	383.73	-633.34	250.01	-499.63	
343.68													
		15	1.81	9.64	-9.52	9.64	-9.52	-0.02	1147.23	527.89	551.15	1123.97	
117.76													
		117	3.04	2.79	-15.20	-1.29	-11.11	-7.54	1402.45	-424.89	8.94	968.62	
777.52													
		122	3.19	9.53	-0.93	1.18	7.42	-4.20	561.36	-1479.23	-278.91	-638.96	
1004.29													
48	28	116	0.88	-8.97	-21.97	-19.65	-11.28	-4.97	316.76	-154.91	-41.85	203.71	-

201.35													
		15	2.27	21.84	-11.97	-11.93	21.81	1.05	-265.39	-1211.34	-269.57	-1207.16	-62.76
		117	3.39	30.55	-7.23	0.37	22.95	15.14	310.75	-1509.51	-21.86	-1176.90	-
703.42													
		122	2.52	3.05	-15.62	-5.10	-7.47	9.26	1032.53	-484.65	231.53	316.36	-
757.40													
	48	29	116	1.25	24.59	10.36	21.61	13.34	5.79	172.48	-563.39	122.44	-513.35
185.24													
		15	2.18	13.76	-20.42	13.76	-20.42	-0.23	1219.54	414.01	414.47	1219.08	19.31
		117	3.51	5.74	-29.53	-1.61	-22.17	-14.33	1595.31	-325.52	95.27	1174.52	
794.48													
		122	2.97	15.24	-2.34	4.00	8.91	-8.44	469.02	-1331.75	-222.43	-640.30	
875.80													
	48	30	116	1.27	-6.18	-13.57	-12.25	-7.50	-2.83	412.45	-391.89	-169.43	189.98	-
359.79													
		15	1.89	10.95	-7.85	-7.81	10.92	0.83	-371.18	-1147.13	-406.26	-1112.05	-
161.21													
		117	2.91	16.21	-4.27	0.06	11.89	8.36	406.55	-1313.08	64.47	-971.00	-
686.46													
		122	2.76	1.21	-9.47	-2.28	-5.98	5.01	1187.50	-584.48	288.01	315.01	-
885.89													
	48	31	116	1.58	15.98	7.48	14.01	9.45	3.58	380.87	-632.34	247.38	-498.85	
342.68													
		15	1.81	9.47	-9.35	9.47	-9.35	-0.03	1146.29	529.05	552.28	1123.05	
117.49													
		117	3.02	2.72	-14.92	-1.27	-10.92	-7.38	1396.80	-422.97	9.45	964.38	
774.54													
		122	3.19	9.41	-0.95	1.13	7.33	-4.15	561.97	-1476.72	-278.31	-636.45	
1003.49													
	48	32	116	0.88	-9.04	-22.19	-19.85	-11.39	-5.03	317.57	-157.57	-44.48	204.48	-
202.35													
		15	2.28	22.01	-12.13	-12.10	21.98	1.04	-264.23	-1212.28	-268.44	-1208.08	-63.03
		117	3.41	30.83	-7.30	0.39	23.14	15.30	312.70	-1515.19	-21.35	-1181.15	-
706.41													
		122	2.53	3.03	-15.73	-5.15	-7.56	9.30	1034.93	-483.94	232.13	318.87	-
758.20													
	48	33	116	1.26	24.82	10.44	21.81	13.45	5.85	175.37	-564.43	125.07	-514.13	
186.24													
		15	2.19	13.93	-20.59	13.93	-20.59	-0.22	1220.47	412.87	413.34	1219.99	19.58
		117	3.53	5.81	-29.81	-1.63	-22.37	-14.48	1600.98	-327.46	94.76	1178.77	
797.46													
		122	2.98	15.36	-2.32	4.04	9.00	-8.49	468.46	-1334.30	-223.03	-642.81	
876.60													
	48	34	116	1.27	-6.11	-13.34	-12.05	-7.39	-2.76	411.72	-389.31	-166.80	189.21	-
358.79													
		15	1.88	10.78	-7.69	-7.65	10.74	0.84	-372.33	-1146.20	-407.39	-1111.14	-
160.94													
		117	2.89	15.93	-4.19	0.03	11.70	8.20	404.60	-1307.40	63.96	-966.76	-
683.48													
		122	2.76	1.23	-9.35	-2.24	-5.89	4.96	1185.13	-585.22	287.40	312.51	-
885.09													
	48	35	116	1.58	14.12	6.95	12.44	8.63	3.04	399.68	-623.40	268.77	-492.48	
341.76													
		15	1.74	7.96	-8.12	7.96	-8.12	0.13	1122.29	539.53	559.41	1102.42	
105.78													
		117	2.92	2.71	-12.47	-0.88	-8.88	-6.45	1363.67	-417.22	5.67	940.78	
757.82													
		122	3.13	8.48	-1.04	0.78	6.66	-3.75	544.98	-1459.88	-280.47	-634.43	
986.69													
	48	36	116	0.86	-8.36	-19.88	-17.88	-10.36	-4.36	305.26	-169.31	-60.61	196.56	-
199.43													
		15	2.19	20.43	-10.28	-10.25	20.40	0.90	-275.00	-1188.44	-277.83	-1185.60	-50.78
		117	3.27	27.81	-7.13	-0.05	20.72	14.05	303.28	-1470.94	-18.60	-1149.06	-
683.72													
		122	2.46	3.16	-14.57	-4.71	-6.71	8.81	1013.31	-468.39	233.09	311.83	-
739.80													
	48	37	116	1.24	22.50	9.75	19.84	12.41	5.18	189.50	-554.51	141.20	-506.21	
183.32													
		15	2.11	12.08	-19.01	12.08	-19.01	-0.08	1197.59	422.66	422.73	1197.52	7.33
		117	3.40	5.65	-26.78	-1.19	-19.94	-13.23	1556.56	-317.87	92.01	1146.68	
774.78													
		122	2.90	14.18	-2.44	3.60	8.15	-7.99	452.67	-1312.44	-223.99	-635.77	

858.20													
48	38	116	1.26	-5.57	-11.48	-10.48	-6.57	-2.22	400.42	-405.76	-188.18	182.84	-
357.86													
		15	1.81	9.54	-6.16	-6.13	9.51	0.68	-383.03	-1121.98	-414.51	-1090.50	-
149.23													
		117	2.79	13.47	-4.18	-0.36	9.66	7.27	398.97	-1274.40	67.74	-943.16	-
666.76													
		122	2.70	1.31	-8.41	-1.89	-5.22	4.57	1168.37	-568.32	289.57	310.48	-
868.28													
48	39	116	1.57	13.89	6.87	12.24	8.52	2.97	396.83	-622.39	266.14	-491.71	
340.76													
		15	1.74	7.79	-7.95	7.79	-7.95	0.12	1121.35	540.69	560.54	1101.50	
105.51													
		117	2.91	2.64	-12.18	-0.86	-8.69	-6.29	1358.02	-415.30	6.19	936.54	
754.84													
		122	3.12	8.36	-1.06	0.74	6.57	-3.70	545.58	-1457.38	-279.87	-631.92	
985.89													
48	40	116	0.87	-8.43	-20.11	-18.08	-10.47	-4.43	306.10	-172.00	-63.24	197.34	-
200.42													
		15	2.20	20.60	-10.44	-10.42	20.57	0.89	-273.84	-1189.38	-276.70	-1186.52	-51.05
		117	3.29	28.09	-7.21	-0.02	20.91	14.21	305.23	-1476.62	-18.08	-1153.31	-
686.70													
		122	2.46	3.14	-14.69	-4.75	-6.79	8.86	1015.71	-467.68	233.69	314.34	-
740.60													
48	41	116	1.25	22.73	9.83	20.04	12.52	5.24	192.40	-555.56	143.83	-506.98	
184.32													
		15	2.11	12.25	-19.18	12.24	-19.18	-0.07	1198.51	421.52	421.60	1198.44	7.60
		117	3.41	5.72	-27.07	-1.21	-20.13	-13.39	1562.22	-319.80	91.49	1150.93	
777.76													
		122	2.91	14.30	-2.42	3.64	8.24	-8.04	452.11	-1314.99	-224.60	-638.28	
859.00													
48	42	116	1.25	-5.49	-11.25	-10.28	-6.47	-2.16	399.68	-403.17	-185.55	182.06	-
356.87													
		15	1.81	9.37	-6.00	-5.97	9.34	0.69	-384.18	-1121.04	-415.64	-1089.58	-
148.96													
		117	2.77	13.19	-4.10	-0.38	9.46	7.11	397.03	-1268.72	67.22	-938.92	-
663.78													
		122	2.69	1.32	-8.29	-1.84	-5.13	4.52	1166.01	-569.07	288.97	307.98	-
867.49													
48	43	116	1.07	-0.97	-5.23	-4.73	-1.47	-1.37	360.26	-339.49	241.19	-220.42	
262.95													
		15	0.68	11.36	-1.96	-1.93	11.33	0.56	413.08	93.45	349.64	156.89	
127.49													
		117	0.80	14.00	-3.46	-0.40	10.94	6.64	155.47	-244.60	-72.71	-16.41	
198.05													
		122	1.44	3.35	-6.35	-3.51	0.51	4.41	239.22	-643.94	-129.31	-275.40	
435.50													
48	44	116	0.69	-4.94	-14.25	-12.76	-6.43	-3.41	235.09	-115.20	172.57	-52.68	
134.13													
		15	1.23	18.75	-7.10	-7.07	18.72	0.82	167.14	-409.20	154.46	-396.51	84.56
		117	1.38	24.81	-5.80	-2.30e-04	19.00	12.00	-32.72	-573.94	-80.60	-526.06	-
153.69													
		122	0.29	3.63	-11.69	-5.02	-3.04	7.59	-0.80	-55.38	-6.64	-49.53	16.87
48	45	116	0.75	16.86	6.34	14.72	8.48	4.23	-3.07	-345.87	-91.98	-256.97	-
150.24													
		15	1.12	8.90	-17.33	8.90	-17.33	6.88e-04	444.52	-45.65	-9.56	408.43	-
128.02													
		117	1.48	4.31	-23.77	-1.24	-18.23	-11.18	645.54	32.14	154.01	523.68	
244.74													
		122	0.71	10.98	-2.59	3.91	4.48	-6.78	47.73	-306.41	15.74	-274.41	
101.53													
48	46	116	0.93	7.81	2.41	6.69	3.53	2.19	156.41	-406.24	-160.60	-89.23	-
279.05													
		15	0.62	3.76	-9.95	3.76	-9.94	0.25	-1.33	-348.39	-204.74	-144.97	-
170.94													
		117	0.58	1.95	-12.96	-0.84	-10.16	-5.82	205.81	-45.65	146.12	14.03	-
106.99													
		122	1.06	5.34	-2.00	2.40	0.94	-3.60	375.52	-285.65	138.41	-48.54	-
317.09													
48	47	116	1.08	-1.12	-5.72	-5.15	-1.69	-1.52	363.92	-336.98	245.66	-218.72	
262.49													
		15	0.69	11.69	-2.36	-2.34	11.67	0.60	411.42	91.98	351.55	151.84	

124.66													
		117	0.80	14.66	-3.48	-0.30	11.48	6.90	146.79	-243.23	-73.51	-22.93	
193.37													
		122	1.43	3.29	-6.57	-3.61	0.32	4.52	235.36	-639.37	-129.59	-274.42	
431.33													
48	48	116	0.68	-4.79	-13.75	-12.34	-6.20	-3.27	231.46	-117.75	168.09	-54.38	
134.59													
		15	1.21	18.42	-6.69	-6.67	18.39	0.78	166.24	-405.16	152.55	-391.46	87.39
		117	1.35	24.15	-5.78	-0.10	18.47	11.74	-34.07	-565.28	-79.81	-519.55	-
149.00													
		122	0.30	3.67	-11.45	-4.92	-2.85	7.49	2.06	-58.94	-6.36	-50.52	21.04
48	49	116	0.74	16.36	6.20	14.30	8.26	4.09	1.08	-343.86	-87.50	-255.27	-
150.70													
		15	1.11	8.49	-17.00	8.49	-17.00	0.04	441.50	-45.77	-7.65	403.38	-
130.85													
		117	1.45	4.29	-23.12	-1.14	-17.69	-10.92	636.43	33.95	153.21	517.16	
240.06													
		122	0.70	10.73	-2.62	3.81	4.30	-6.67	45.20	-303.18	15.46	-273.43	97.36
48	50	116	0.94	8.31	2.55	7.11	3.75	2.34	153.05	-409.06	-165.08	-90.92	-
278.60													
		15	0.63	4.17	-10.28	4.16	-10.27	0.22	-1.90	-344.68	-206.65	-139.92	-
168.11													
		117	0.57	1.97	-13.61	-0.94	-10.70	-6.08	203.98	-36.51	146.91	20.55	-
102.31													
		122	1.06	5.58	-1.96	2.50	1.12	-3.70	371.35	-282.18	138.69	-49.52	-
312.92													
48	51	116	1.06	-1.17	-5.81	-5.24	-1.75	-1.53	352.23	-336.37	234.17	-218.30	
259.54													
		15	0.69	11.80	-2.39	-2.37	11.78	0.54	413.62	92.82	352.28	154.16	
126.16													
		117	0.79	14.73	-3.63	-0.34	11.44	7.04	142.12	-240.16	-70.96	-27.08	
189.88													
		122	1.43	3.26	-6.62	-3.62	0.27	4.54	240.14	-636.07	-127.53	-268.40	
432.41													
48	52	116	0.68	-5.14	-14.84	-13.27	-6.71	-3.57	227.09	-112.12	165.54	-50.57	
130.73													
		15	1.24	19.19	-7.53	-7.51	19.16	0.79	169.28	-411.42	157.09	-399.24	83.24
		117	1.42	25.54	-5.98	0.05	19.51	12.41	-27.41	-588.16	-78.85	-536.72	-
161.86													
		122	0.29	3.57	-11.98	-5.13	-3.28	7.72	-0.35	-47.03	-4.86	-42.53	13.79
48	53	116	0.75	17.45	6.54	15.23	8.76	4.39	-1.31	-342.72	-84.96	-259.08	-
146.84													
		15	1.14	9.33	-17.77	9.33	-17.77	0.02	446.17	-47.21	-12.19	411.15	-
126.69													
		117	1.52	4.49	-24.51	-1.29	-18.73	-11.59	660.26	26.34	152.26	534.34	
252.91													
		122	0.73	11.28	-2.54	4.02	4.72	-6.90	47.26	-314.71	13.96	-281.42	
104.62													
48	54	116	0.92	8.40	2.61	7.20	3.81	2.35	154.94	-399.86	-153.58	-91.34	-
275.65													
		15	0.63	4.20	-10.39	4.19	-10.38	0.28	-2.10	-347.52	-207.38	-142.24	-
169.61													
		117	0.56	2.13	-13.69	-0.90	-10.67	-6.22	200.06	-30.99	144.37	24.70	-98.82
		122	1.06	5.63	-1.94	2.51	1.18	-3.72	368.92	-287.84	136.63	-55.55	-
314.01													
48	55	116	1.07	-1.32	-6.31	-5.66	-1.97	-1.68	355.89	-333.86	238.64	-216.61	
259.09													
		15	0.70	12.13	-2.79	-2.77	12.11	0.57	412.04	91.26	354.19	149.11	
123.33													
		117	0.78	15.39	-3.65	-0.24	11.98	7.30	133.50	-238.85	-71.75	-33.59	
185.19													
		122	1.42	3.20	-6.84	-3.72	0.08	4.64	236.28	-631.50	-127.81	-267.41	
428.24													
48	56	116	0.67	-4.99	-14.34	-12.85	-6.48	-3.43	223.48	-114.67	161.07	-52.26	
131.18													
		15	1.23	18.85	-7.12	-7.10	18.83	0.76	168.35	-407.36	155.18	-394.19	86.07
		117	1.40	24.89	-5.96	-0.05	18.97	12.15	-28.79	-579.48	-78.05	-530.21	-
157.17													
		122	0.29	3.61	-11.74	-5.03	-3.10	7.62	2.44	-50.53	-4.58	-43.51	17.96
48	57	116	0.74	16.95	6.40	14.81	8.54	4.24	2.88	-340.74	-80.48	-257.38	-
147.29													
		15	1.12	8.93	-17.44	8.93	-17.44	0.06	443.11	-47.28	-10.28	406.11	-

129.52													
		117	1.50	4.47	-23.86	-1.19	-18.19	-11.33	651.15	28.15	151.46	527.83	
248.23													
		122	0.71	11.04	-2.57	3.93	4.54	-6.80	44.71	-311.46	13.68	-280.43	
100.45													
48	58	116	0.93	8.89	2.75	7.62	4.03	2.49	151.56	-402.65	-158.05	-93.04	-
275.19													
		15	0.63	4.60	-10.72	4.60	-10.72	0.24	-2.61	-343.87	-209.29	-137.19	-
166.78													
		117	0.56	2.15	-14.35	-1.00	-11.20	-6.48	198.22	-21.85	145.16	31.21	-94.14
		122	1.05	5.87	-1.89	2.61	1.36	-3.83	364.77	-284.39	136.91	-56.53	-
309.84													
48	59	116	1.30	13.11	6.13	11.45	7.79	2.97	303.20	-527.46	204.64	-428.91	
268.61													
		15	1.43	7.85	-7.32	7.85	-7.32	0.07	907.59	434.60	451.64	890.56	88.14
		117	2.42	2.05	-11.87	-1.16	-8.67	-5.86	1120.52	-337.48	15.84	767.21	
624.75													
		122	2.57	7.57	-0.69	0.85	6.04	-3.21	442.29	-1202.52	-221.66	-538.57	
807.00													
48	60	116	0.67	-6.96	-17.08	-15.32	-8.72	-3.84	231.38	-125.27	-24.11	130.23	-
160.76													
		15	1.81	17.34	-9.31	-9.28	17.31	0.92	-195.01	-958.08	-198.98	-954.10	-54.94
		117	2.67	24.21	-5.84	0.17	18.20	12.02	244.59	-1186.65	-10.44	-931.61	-
547.70													
		122	1.96	2.45	-12.41	-4.18	-5.78	7.39	789.35	-387.78	187.25	214.33	-
588.41													
48	61	116	1.04	19.71	8.36	17.28	10.78	4.65	140.73	-475.91	104.69	-439.87	
144.66													
		15	1.71	11.10	-15.92	11.10	-15.92	-0.10	966.23	343.67	343.88	966.02	11.48
		117	2.79	4.36	-23.19	-1.41	-17.42	-11.20	1272.49	-259.40	83.85	929.23	
638.75													
		122	2.40	12.04	-1.74	3.07	7.23	-6.57	371.17	-1087.59	-178.15	-538.27	
706.81													
48	62	116	0.98	-4.76	-10.47	-9.49	-5.74	-2.15	307.23	-312.02	-124.06	119.26	-
284.72													
		15	1.50	8.75	-6.06	-6.03	8.71	0.75	-277.92	-907.46	-306.74	-878.64	-
131.59													
		117	2.29	12.89	-3.52	-0.08	9.45	6.68	319.17	-1031.19	57.57	-769.59	-
533.69													
		122	2.15	0.97	-7.51	-1.95	-4.59	4.03	911.34	-465.95	230.76	214.63	-
688.60													
48	63	116	1.29	12.93	6.07	11.29	7.71	2.92	300.76	-526.49	202.54	-428.27	
267.59													
		15	1.42	7.72	-7.19	7.72	-7.19	0.06	906.68	435.48	452.43	889.74	87.74
		117	2.41	1.99	-11.65	-1.14	-8.52	-5.74	1116.13	-335.76	16.36	764.01	
622.29													
		122	2.57	7.47	-0.70	0.81	5.96	-3.17	442.55	-1200.15	-221.13	-536.47	
806.07													
48	64	116	0.67	-7.02	-17.26	-15.48	-8.81	-3.88	232.16	-127.52	-26.21	130.86	-
161.79													
		15	1.81	17.47	-9.44	-9.41	17.44	0.91	-194.17	-958.94	-198.19	-954.92	-55.33
		117	2.68	24.43	-5.90	0.19	18.35	12.14	246.33	-1191.06	-9.92	-934.81	-
550.15													
		122	1.96	2.43	-12.50	-4.21	-5.86	7.42	791.61	-387.40	187.78	216.43	-
589.33													
48	65	116	1.05	19.88	8.42	17.43	10.86	4.70	143.16	-476.87	106.80	-440.50	
145.68													
		15	1.72	11.23	-16.05	11.23	-16.05	-0.09	967.06	342.86	343.09	966.84	11.88
		117	2.81	4.41	-23.41	-1.43	-17.57	-11.33	1276.90	-261.14	83.33	932.43	
641.21													
		122	2.41	12.13	-1.73	3.11	7.30	-6.61	370.95	-1090.00	-178.68	-540.37	
707.74													
48	66	116	0.98	-4.70	-10.29	-9.34	-5.65	-2.11	306.49	-309.81	-121.95	118.63	-
283.70													
		15	1.50	8.62	-5.93	-5.90	8.58	0.75	-278.80	-906.55	-307.53	-877.82	-
131.19													
		117	2.27	12.66	-3.46	-0.10	9.30	6.55	317.43	-1026.77	57.05	-766.39	-
531.24													
		122	2.14	0.98	-7.42	-1.92	-4.52	3.99	909.10	-466.35	230.23	212.52	-
687.67													
48	67	116	1.29	11.45	5.65	10.04	7.06	2.49	316.05	-519.74	219.56	-423.25	
267.09													

		15	1.37	6.51	-6.22	6.50	-6.21	0.19	888.13	443.61	458.01	873.73	78.70
		117	2.33	1.99	-9.70	-0.82	-6.89	-4.99	1090.06	-331.37	13.20	745.49	
609.14													
		122	2.52	6.74	-0.80	0.52	5.42	-2.86	429.42	-1187.31	-222.60	-535.29	
793.10													
48	68	116	0.65	-6.48	-15.42	-13.92	-7.99	-3.35	221.79	-136.25	-39.02	124.57	-
159.24													
		15	1.74	16.23	-7.95	-7.93	16.20	0.80	-202.53	-940.09	-205.35	-937.27	-45.51
		117	2.58	22.03	-5.77	-0.17	16.42	11.15	238.69	-1156.39	-7.80	-909.90	-
532.09													
		122	1.91	2.56	-11.58	-3.86	-5.17	7.04	774.24	-375.00	188.18	211.05	-
574.51													
48	69	116	1.03	18.04	7.87	15.87	10.04	4.17	154.41	-469.02	119.61	-434.21	
143.14													
		15	1.66	9.75	-14.81	9.75	-14.81	0.02	949.20	350.24	350.25	949.19	2.05
		117	2.70	4.29	-21.00	-1.07	-15.64	-10.34	1242.03	-253.30	81.21	907.52	
623.15													
		122	2.35	11.20	-1.83	2.75	6.61	-6.22	358.36	-1072.44	-179.08	-535.00	
692.91													
48	70	116	0.97	-4.27	-8.81	-8.08	-5.00	-1.67	297.40	-322.77	-138.97	113.60	-
283.20													
		15	1.44	7.64	-4.71	-4.68	7.60	0.63	-287.14	-887.78	-313.11	-861.81	-
122.16													
		117	2.19	10.71	-3.45	-0.42	7.67	5.81	313.18	-1000.84	60.21	-747.87	-
518.08													
		122	2.10	1.06	-6.67	-1.63	-3.98	3.68	896.29	-453.25	231.69	211.35	-
674.70													
48	71	116	1.28	11.27	5.59	9.89	6.97	2.44	313.61	-518.77	217.45	-422.61	
266.07													
		15	1.37	6.38	-6.08	6.37	-6.08	0.18	887.22	444.49	458.80	872.91	78.31
		117	2.31	1.93	-9.48	-0.80	-6.74	-4.87	1085.66	-329.65	13.72	742.29	
606.69													
		122	2.52	6.65	-0.81	0.49	5.35	-2.83	429.68	-1184.93	-222.06	-533.19	
792.17													
48	72	116	0.66	-6.54	-15.60	-14.07	-8.07	-3.40	222.60	-138.52	-41.13	125.20	-
160.27													
		15	1.75	16.36	-8.08	-8.06	16.34	0.79	-201.70	-940.95	-204.56	-938.09	-45.90
		117	2.59	22.25	-5.83	-0.15	16.57	11.28	240.43	-1160.80	-7.28	-913.10	-
534.54													
		122	1.91	2.54	-11.68	-3.89	-5.24	7.08	776.50	-374.63	188.71	213.16	-
575.43													
48	73	116	1.04	18.22	7.93	16.03	10.13	4.21	156.84	-469.97	121.71	-434.84	
144.16													
		15	1.66	9.88	-14.95	9.88	-14.95	0.03	950.02	349.45	349.46	950.01	2.45
		117	2.71	4.34	-21.23	-1.09	-15.79	-10.46	1246.44	-255.04	80.69	910.72	
625.60													
		122	2.36	11.29	-1.82	2.78	6.69	-6.26	358.13	-1074.85	-179.61	-537.10	
693.84													
48	74	116	0.96	-4.21	-8.64	-7.93	-4.92	-1.62	296.64	-320.54	-136.86	112.97	-
282.18													
		15	1.44	7.51	-4.58	-4.55	7.47	0.64	-288.02	-886.87	-313.90	-860.99	-
121.76													
		117	2.18	10.48	-3.40	-0.43	7.52	5.69	311.44	-996.42	59.69	-744.67	-
515.63													
		122	2.09	1.07	-6.57	-1.60	-3.91	3.64	894.06	-453.66	231.16	209.25	-
673.77													
48	75	116	0.92	-0.67	-4.11	-3.74	-1.04	-1.07	298.87	-301.29	206.58	-209.00	
216.50													
		15	0.57	9.52	-1.47	-1.44	9.49	0.54	349.38	83.22	301.77	130.83	
102.00													
		117	0.69	11.66	-2.99	-0.44	9.11	5.56	138.93	-207.01	-53.98	-14.10	
171.82													
		122	1.23	2.90	-5.35	-3.00	0.55	3.72	197.25	-559.24	-106.28	-255.71	
370.79													
48	76	116	0.59	-3.95	-11.56	-10.38	-5.14	-2.76	195.32	-115.94	149.80	-70.43	
109.98													
		15	1.02	15.62	-5.71	-5.69	15.60	0.75	149.76	-335.85	140.47	-326.56	66.52
		117	1.13	20.60	-4.93	-0.11	15.77	9.99	-25.92	-469.82	-60.45	-435.29	-
118.89													
		122	0.29	3.10	-9.73	-4.25	-2.38	6.35	3.52	-77.47	-4.98	-68.98	24.81
48	77	116	0.65	14.17	5.36	12.34	7.19	3.57	-2.16	-306.28	-69.22	-239.22	-
126.08													

		15	0.92	7.51	-14.21	7.51	-14.21	0.07	371.43	-28.52	4.43	338.47	-
109.98													
		117	1.24	3.44	-19.56	-1.13	-15.00	-9.17	541.14	25.63	133.86	432.91	
209.95													
		122	0.64	9.02	-2.06	3.14	3.82	-5.53	43.43	-284.32	14.07	-254.97	93.59
48	78	116	0.78	6.69	2.11	5.70	3.10	1.88	119.63	-346.27	-125.99	-100.64	-
232.61													
		15	0.52	3.27	-8.10	3.27	-8.10	0.28	8.79	-284.58	-156.87	-118.91	-
145.45													
		117	0.46	1.49	-10.62	-0.80	-8.33	-4.74	168.89	-29.78	127.39	11.72	-80.76
		122	0.86	4.34	-1.55	1.89	0.89	-2.90	292.14	-244.99	115.38	-68.23	-
252.39													
48	79	116	0.92	-0.80	-4.52	-4.09	-1.22	-1.19	301.95	-299.27	210.28	-207.60	
216.13													
		15	0.58	9.79	-1.80	-1.78	9.76	0.57	348.19	81.82	303.36	126.65	99.66
		117	0.68	12.20	-3.01	-0.35	9.55	5.77	131.80	-205.93	-54.64	-19.49	
167.95													
		122	1.23	2.84	-5.53	-3.08	0.40	3.81	194.05	-555.46	-106.52	-254.89	
367.34													
48	80	116	0.58	-3.83	-11.15	-10.03	-4.95	-2.64	192.22	-117.95	146.10	-71.83	
110.35													
		15	1.01	15.35	-5.38	-5.35	15.32	0.72	148.95	-332.44	138.89	-322.38	68.86
		117	1.11	20.05	-4.91	-0.19	15.33	9.78	-26.96	-462.73	-59.80	-429.90	-
115.03													
		122	0.29	3.14	-9.53	-4.17	-2.23	6.26	5.82	-80.36	-4.74	-69.80	28.26
48	81	116	0.65	13.76	5.24	11.99	7.01	3.45	1.35	-304.68	-65.52	-237.81	-
126.46													
		15	0.91	7.18	-13.93	7.18	-13.93	0.10	369.05	-28.73	6.01	334.30	-
112.31													
		117	1.21	3.42	-19.02	-1.05	-14.55	-8.96	533.59	27.13	133.21	427.52	
206.08													
		122	0.63	8.82	-2.09	3.06	3.67	-5.44	41.34	-281.65	13.84	-254.15	90.14
48	82	116	0.78	7.10	2.23	6.05	3.28	2.00	116.77	-348.51	-129.69	-102.05	-
232.23													
		15	0.52	3.61	-8.38	3.60	-8.37	0.25	8.18	-281.37	-158.46	-114.73	-
143.11													
		117	0.46	1.50	-11.16	-0.88	-8.77	-4.96	167.39	-22.23	128.04	17.11	-76.89
		122	0.85	4.54	-1.51	1.97	1.05	-2.99	288.79	-242.23	115.61	-69.05	-
248.94													
48	83	116	0.91	-0.84	-4.60	-4.16	-1.27	-1.20	292.19	-298.68	200.76	-207.24	
213.70													
		15	0.58	9.88	-1.82	-1.80	9.86	0.52	349.96	82.60	303.95	128.61	
100.92													
		117	0.67	12.27	-3.13	-0.39	9.53	5.89	127.99	-203.45	-52.53	-22.93	
165.06													
		122	1.23	2.82	-5.56	-3.09	0.35	3.82	197.97	-552.73	-104.83	-249.92	
368.27													
48	84	116	0.58	-4.12	-12.05	-10.80	-5.37	-2.89	188.62	-113.31	143.98	-68.67	
107.17													
		15	1.04	15.99	-6.07	-6.05	15.96	0.73	151.56	-337.69	142.65	-328.77	65.44
		117	1.17	21.20	-5.08	-0.06	16.19	10.33	-21.63	-481.50	-59.00	-444.13	-
125.65													
		122	0.28	3.05	-9.97	-4.34	-2.58	6.45	3.88	-70.60	-3.53	-63.19	22.30
48	85	116	0.65	14.66	5.53	12.76	7.42	3.70	-0.26	-304.11	-63.39	-240.98	-
123.28													
		15	0.94	7.87	-14.57	7.87	-14.57	0.09	372.70	-29.76	2.25	340.69	-
108.89													
		117	1.27	3.59	-20.17	-1.18	-15.41	-9.51	553.32	20.84	132.41	441.74	
216.71													
		122	0.66	9.28	-2.02	3.23	4.02	-5.63	43.03	-291.16	12.63	-260.76	96.10
48	86	116	0.77	7.18	2.27	6.12	3.33	2.01	118.69	-341.26	-120.17	-102.40	-
229.80													
		15	0.52	3.63	-8.47	3.63	-8.46	0.30	8.04	-283.79	-159.05	-116.69	-
144.37													
		117	0.45	1.64	-11.23	-0.85	-8.75	-5.08	164.09	-17.60	125.94	20.55	-74.00
		122	0.86	4.58	-1.50	1.99	1.09	-3.01	286.91	-247.00	113.93	-74.02	-
249.87													
48	87	116	0.91	-0.97	-5.00	-4.51	-1.45	-1.32	295.26	-296.65	204.45	-205.84	
213.32													
		15	0.59	10.15	-2.16	-2.13	10.13	0.55	348.84	81.13	305.53	124.43	98.58
		117	0.67	12.81	-3.15	-0.31	9.97	6.11	120.91	-202.42	-53.18	-28.33	
161.19													

		122	1.22	2.77	-5.74	-3.17	0.20	3.91	194.78	-548.95	-105.07	-249.10	
364.83													
48	88	116	0.58	-4.00	-11.64	-10.45	-5.18	-2.77	185.53	-115.33	140.28	-70.07	
107.55													
		15	1.02	15.71	-5.73	-5.71	15.69	0.70	150.73	-334.26	141.07	-324.60	67.78
		117	1.15	20.66	-5.06	-0.15	15.75	10.11	-22.70	-474.38	-58.35	-438.73	-
121.78													
		122	0.29	3.09	-9.77	-4.26	-2.43	6.37	6.15	-73.45	-3.29	-64.00	25.74
48	89	116	0.65	14.24	5.41	12.41	7.24	3.58	3.27	-302.54	-59.69	-239.57	-
123.65													
		15	0.92	7.54	-14.30	7.54	-14.30	0.12	370.28	-29.93	3.83	336.51	-
111.23													
		117	1.25	3.57	-19.63	-1.09	-14.97	-9.30	545.77	22.34	131.76	436.35	
212.84													
		122	0.64	9.07	-2.05	3.15	3.87	-5.55	40.93	-288.47	12.39	-259.94	92.66
48	90	116	0.78	7.59	2.39	6.47	3.51	2.13	115.81	-343.48	-123.87	-103.80	-
229.43													
		15	0.52	3.97	-8.74	3.96	-8.74	0.27	7.48	-280.63	-160.64	-112.52	-
142.03													
		117	0.44	1.65	-11.77	-0.93	-9.19	-5.29	162.59	-10.05	126.59	25.95	-70.13
		122	0.85	4.78	-1.46	2.07	1.25	-3.09	283.59	-244.26	114.17	-74.84	-
246.42													
48	91	116	1.11	11.06	5.18	9.63	6.62	2.53	253.19	-458.14	176.29	-381.25	
220.87													
		15	1.17	6.65	-5.93	6.65	-5.93	0.13	750.26	372.75	385.89	737.12	69.19
		117	2.01	1.56	-9.73	-1.06	-7.10	-4.77	934.23	-281.17	19.32	633.75	
524.32													
		122	2.17	6.29	-0.57	0.60	5.11	-2.58	365.03	-1020.68	-182.34	-473.31	
677.41													
48	92	116	0.53	-5.63	-13.90	-12.50	-7.03	-3.10	175.99	-108.29	-12.97	80.67	-
134.20													
		15	1.50	14.46	-7.54	-7.51	14.43	0.83	-148.03	-791.26	-151.79	-787.50	-49.05
		117	2.20	20.10	-4.96	0.03	15.11	10.01	201.30	-973.79	-2.26	-770.23	-
444.71													
		122	1.59	2.10	-10.30	-3.55	-4.65	6.18	628.09	-323.62	155.33	149.14	-
475.84													
48	93	116	0.90	16.52	7.02	14.45	9.09	3.92	120.84	-417.60	93.55	-390.31	
118.10													
		15	1.41	9.33	-13.04	9.33	-13.04	-0.01	799.48	296.63	296.69	799.41	5.60
		117	2.32	3.47	-19.08	-1.27	-14.33	-9.19	1059.58	-216.07	75.67	767.85	
535.77													
		122	2.03	9.93	-1.39	2.44	6.10	-5.36	306.65	-925.97	-146.24	-473.08	
594.25													
48	94	116	0.80	-3.81	-8.43	-7.67	-4.56	-1.71	239.26	-263.36	-95.71	71.60	-
236.98													
		15	1.25	7.36	-4.86	-4.82	7.32	0.69	-216.07	-750.13	-240.99	-725.20	-
112.65													
		117	1.88	10.74	-3.04	-0.18	7.88	5.59	262.90	-844.93	54.09	-636.13	-
433.27													
		122	1.74	0.85	-6.23	-1.71	-3.67	3.40	729.80	-389.00	191.44	149.36	-
559.00													
48	95	116	1.10	10.92	5.13	9.50	6.55	2.49	251.16	-457.34	174.55	-380.72	
220.03													
		15	1.17	6.54	-5.82	6.54	-5.82	0.12	749.52	373.48	386.55	736.45	68.87
		117	2.00	1.52	-9.54	-1.05	-6.98	-4.67	930.59	-279.75	19.75	631.09	
522.30													
		122	2.17	6.21	-0.58	0.57	5.05	-2.55	365.24	-1018.72	-181.91	-471.57	
676.65													
48	96	116	0.54	-5.68	-14.04	-12.62	-7.10	-3.14	176.55	-110.07	-14.71	81.19	-
135.05													
		15	1.51	14.57	-7.64	-7.61	14.54	0.82	-147.33	-791.97	-151.14	-788.16	-49.38
		117	2.21	20.28	-5.00	0.05	15.23	10.11	202.73	-977.44	-1.83	-772.88	-
446.74													
		122	1.59	2.09	-10.38	-3.58	-4.71	6.21	629.93	-323.28	155.77	150.88	-
476.60													
48	97	116	0.91	16.67	7.07	14.58	9.16	3.96	122.84	-418.38	95.30	-390.84	
118.94													
		15	1.41	9.44	-13.15	9.44	-13.15	-5.50e-03	800.15	295.97	296.04	800.08	5.93
		117	2.33	3.52	-19.26	-1.29	-14.46	-9.29	1063.23	-217.50	75.23	770.50	
537.79													
		122	2.03	10.01	-1.38	2.47	6.16	-5.39	306.46	-927.95	-146.67	-474.82	
595.00													

48	98	116	0.79	-3.76	-8.28	-7.54	-4.49	-1.67	238.70	-261.58	-93.96	71.08	-236.14
		15	1.25	7.25	-4.75	-4.71	7.21	0.69	-216.80	-749.38	-241.65	-724.54	-112.32
		117	1.87	10.56	-2.99	-0.19	7.75	5.49	261.46	-841.28	53.66	-633.48	-431.24
		122	1.74	0.86	-6.15	-1.68	-3.61	3.37	727.99	-389.35	191.01	147.63	-558.25
48	99	116	1.10	9.69	4.78	8.47	6.01	2.13	263.93	-451.88	188.62	-376.57	219.62
		15	1.13	5.54	-5.02	5.53	-5.02	0.23	734.19	380.18	391.17	723.20	61.40
		117	1.94	1.52	-7.93	-0.79	-5.63	-4.06	909.04	-276.13	17.13	615.77	511.43
		122	2.13	5.61	-0.67	0.33	4.61	-2.30	354.39	-1008.11	-183.13	-470.58	665.92
48	100	116	0.52	-5.23	-12.53	-11.33	-6.42	-2.70	167.62	-116.93	-25.29	75.99	-132.96
		15	1.45	13.54	-6.42	-6.39	13.52	0.73	-154.32	-776.32	-157.07	-773.57	-41.26
		117	2.12	18.30	-4.90	-0.24	13.64	9.29	196.47	-948.80	-0.08	-752.25	-431.82
		122	1.54	2.19	-9.62	-3.28	-4.15	5.89	615.65	-313.11	156.12	146.41	-464.36
48	101	116	0.90	15.15	6.62	13.29	8.48	3.52	132.24	-412.00	105.88	-385.63	116.85
		15	1.37	8.22	-12.13	8.22	-12.12	0.09	785.50	301.95	301.96	785.49	-2.19
		117	2.24	3.42	-17.27	-0.99	-12.86	-8.47	1034.39	-211.03	73.49	749.87	522.87
		122	1.99	9.23	-1.47	2.18	5.59	-5.07	296.07	-913.46	-147.03	-470.36	582.76
48	102	116	0.78	-3.40	-7.06	-6.51	-3.95	-1.31	230.88	-271.99	-108.03	66.92	-235.73
		15	1.20	6.44	-3.74	-3.71	6.41	0.59	-223.72	-733.83	-246.27	-711.28	-104.85
		117	1.80	8.94	-2.98	-0.45	6.41	4.87	257.98	-819.85	56.27	-618.15	-420.38
		122	1.70	0.93	-5.53	-1.44	-3.16	3.11	717.42	-378.56	192.23	146.64	-547.52
48	103	116	1.09	9.55	4.73	8.34	5.94	2.09	261.90	-451.07	186.87	-376.04	218.78
		15	1.13	5.43	-4.91	5.42	-4.91	0.22	733.45	380.90	391.82	722.53	61.07
		117	1.93	1.47	-7.75	-0.77	-5.51	-3.95	905.40	-274.71	17.57	613.12	509.41
		122	2.12	5.53	-0.68	0.31	4.55	-2.27	354.60	-1006.15	-182.70	-468.84	665.16
48	104	116	0.53	-5.28	-12.67	-11.46	-6.49	-2.74	168.20	-118.73	-27.04	76.51	-133.80
		15	1.45	13.65	-6.53	-6.50	13.63	0.72	-153.63	-777.03	-156.41	-774.24	-41.58
		117	2.13	18.48	-4.95	-0.23	13.77	9.39	197.90	-952.45	0.36	-754.91	-433.84
		122	1.55	2.18	-9.70	-3.31	-4.21	5.92	617.48	-312.77	156.56	148.15	-465.11
48	105	116	0.90	15.29	6.67	13.42	8.55	3.56	134.24	-412.77	107.63	-386.16	117.69
		15	1.37	8.33	-12.23	8.33	-12.23	0.09	786.16	301.30	301.31	786.16	-1.87
		117	2.26	3.46	-17.46	-1.01	-12.99	-8.58	1038.04	-212.47	73.05	752.52	524.90
		122	1.99	9.31	-1.46	2.20	5.65	-5.10	295.89	-915.45	-147.46	-472.09	583.51
48	106	116	0.78	-3.35	-6.91	-6.38	-3.88	-1.27	230.31	-270.20	-106.28	66.39	-234.89
		15	1.20	6.33	-3.63	-3.60	6.30	0.60	-224.45	-733.09	-246.92	-710.61	-104.53
		117	1.79	8.75	-2.94	-0.47	6.29	4.77	256.54	-816.20	55.84	-615.50	-418.35
		122	1.70	0.94	-5.45	-1.41	-3.10	3.08	715.61	-378.92	191.80	144.90	-546.76
49	1	14	0.37	1.48	-0.10	-0.10	1.48	-0.02	33.45	-188.35	29.65	-184.55	28.79
		116	0.21	0.37	-0.32	-0.32	0.37	-0.02	53.31	-87.52	49.76	-83.98	22.06
		122	0.26	0.47	0.16	0.16	0.47	-0.02	60.04	-115.37	32.17	-87.49	64.13
		121	0.40	1.57	0.38	0.38	1.57	-0.02	34.60	-210.61	12.05	-188.07	70.86
49	2	14	1.27	1.78	-0.72	-0.55	1.61	0.63	89.77	-692.08	86.79	-689.10	48.20
		116	0.71	1.77	-0.72	-0.55	1.60	0.63	168.58	-294.38	166.21	-292.00	33.07

		122	0.86	2.18	0.56	0.86	1.88	0.63	205.18	-378.46	126.64	-299.92
199.18												
		121	1.37	2.19	0.56	0.86	1.89	0.63	104.52	-754.32	47.22	-697.01
214.31												
49	3	14	0.27	1.13	-0.07	-0.07	1.13	-0.03	24.74	-135.46	21.73	-132.44 21.78
		116	0.16	0.26	-0.24	-0.24	0.26	-0.03	38.90	-63.49	36.08	-60.67 16.76
		122	0.19	0.34	0.11	0.11	0.33	-0.03	43.46	-83.79	22.96	-63.29 46.78
		121	0.29	1.21	0.28	0.29	1.20	-0.03	25.34	-151.79	8.61	-135.06 51.80
49	4	14	1.16	1.46	-0.71	-0.52	1.26	0.62	81.23	-639.35	78.87	-636.99 41.19
		116	0.65	1.67	-0.65	-0.47	1.49	0.62	154.35	-270.52	152.53	-268.70 27.77
		122	0.79	2.06	0.50	0.81	1.74	0.62	188.63	-346.92	117.43	-275.72
181.83												
		121	1.25	1.87	0.41	0.76	1.52	0.62	95.34	-695.57	43.78	-644.01
195.25												
49	5	14	0.28	1.14	-0.07	-0.07	1.14	-0.02	25.30	-140.78	22.34	-137.82 21.98
		116	0.16	0.28	-0.24	-0.24	0.27	-0.02	40.09	-65.66	37.32	-62.89 16.88
		122	0.20	0.35	0.12	0.12	0.35	-0.02	45.00	-86.59	23.97	-65.56 48.22
		121	0.30	1.21	0.29	0.29	1.21	-0.02	26.06	-157.57	8.98	-140.49 53.33
49	6	14	0.87	1.32	-0.47	-0.37	1.22	0.41	62.70	-476.46	60.43	-474.19 34.93
		116	0.49	1.20	-0.50	-0.40	1.09	0.41	116.80	-203.42	114.95	-201.58 24.22
		122	0.59	1.48	0.39	0.58	1.29	0.41	141.73	-261.96	86.95	-207.18
138.25												
		121	0.94	1.59	0.44	0.61	1.42	0.41	72.60	-519.96	32.43	-479.79
148.96												
49	7	14	0.28	1.14	-0.07	-0.07	1.14	-0.02	25.30	-140.78	22.34	-137.82 21.98
		116	0.16	0.28	-0.24	-0.24	0.27	-0.02	40.09	-65.66	37.32	-62.89 16.88
		122	0.20	0.35	0.12	0.12	0.35	-0.02	45.00	-86.59	23.97	-65.56 48.22
		121	0.30	1.21	0.29	0.29	1.21	-0.02	26.06	-157.57	8.98	-140.49 53.33
49	8	14	0.69	1.25	-0.33	-0.28	1.20	0.28	51.27	-375.55	49.00	-373.28 31.05
		116	0.39	0.91	-0.41	-0.35	0.85	0.28	93.58	-161.88	91.66	-159.97 22.02
		122	0.47	1.12	0.33	0.44	1.01	0.28	112.67	-209.31	68.06	-164.69
111.24												
		121	0.75	1.44	0.43	0.51	1.36	0.28	58.53	-411.14	25.39	-378.00
120.27												
49	9	14	0.28	1.14	-0.07	-0.07	1.14	-0.02	25.30	-140.78	22.34	-137.82 21.98
		116	0.16	0.28	-0.24	-0.24	0.27	-0.02	40.09	-65.66	37.32	-62.89 16.88
		122	0.20	0.35	0.12	0.12	0.35	-0.02	45.00	-86.59	23.97	-65.56 48.22
		121	0.30	1.21	0.29	0.29	1.21	-0.02	26.06	-157.57	8.98	-140.49 53.33
49	10	14	0.63	1.23	-0.29	-0.25	1.19	0.24	47.48	-341.93	45.19	-339.64 29.75
		116	0.36	0.81	-0.38	-0.34	0.77	0.24	85.85	-148.05	83.90	-146.10 21.28
		122	0.43	1.01	0.30	0.40	0.91	0.24	102.99	-191.76	61.76	-150.53
102.24												
		121	0.69	1.40	0.42	0.48	1.33	0.24	53.85	-374.87	23.05	-344.07
110.71												
49	11	14	3.50	-1.32	-30.94	-1.41	-30.85	-1.65	-249.39	-1909.87	-250.93	-1908.33-50.52
		116	0.55	6.71	-1.58	4.92	0.21	-3.41	-92.80	-330.10	-127.98	-294.92 84.32
		122	2.50	10.14	-9.58	1.12	-0.56	9.82	780.26	-759.49	278.94	-258.17
721.52												
		121	4.13	-0.92	-35.95	-5.27	-31.60	11.55	129.48	-2057.55	-88.14	-1839.93
654.66												
49	12	14	1.59	-0.18	-62.04	-0.30	-61.92	-2.75	-72.90	-445.46	-165.73	-352.62 -
161.15												
		116	0.70	14.51	-5.51	11.69	-2.69	-6.97	-87.78	-325.51	-322.59	-90.69-26.17
		122	0.77	16.92	-19.94	1.66	-4.68	18.16	140.62	-65.01	124.39	-48.79 55.43
		121	1.58	-2.41	-71.99	-10.47	-63.93	22.26	35.10	-278.57	33.66	-277.13-21.21
49	13	14	1.95	64.45	-0.36	-0.20	64.29	3.22	330.24	-400.78	256.12	-326.66
220.65												
		116	1.28	7.07	-15.21	-12.36	4.22	7.44	497.16	-208.27	490.40	-201.51 68.74
		122	1.08	20.88	-15.24	-0.86	6.51	-17.68	68.40	-321.54	-0.88	-252.27
149.04												
		121	2.17	74.16	3.87	11.43	66.60	-21.79	122.73	-521.31	12.44	-411.01
242.63												
49	14	14	2.40	33.36	0.77	0.91	33.22	2.13	1242.48	327.88	341.32	1229.05
110.03												
		116	0.64	3.07	-7.34	-5.60	1.32	3.89	301.62	-3.12	295.78	2.71-41.76
		122	1.78	10.47	-8.41	-0.32	2.38	-9.34	420.94	-619.25	-155.42	-42.89 -
517.04												
		121	2.82	38.12	2.39	6.24	34.27	-11.07	1311.26	-25.23	134.24	1151.79 -
433.24												
49	15	14	3.50	-1.26	-32.62	-1.35	-32.52	-1.73	-255.61	-1895.89	-257.37	-1894.12-53.82
		116	0.56	7.15	-1.77	5.28	0.09	-3.63	-99.38	-335.18	-137.13	-297.43 86.46
		122	2.50	10.50	-10.11	1.13	-0.74	10.26	776.14	-753.46	280.45	-257.77

715.89												
		121	4.13	-1.01	-37.90	-5.56	-33.35	12.13	129.92	-2036.00	-83.07	-1823.01
644.94												
49	16	14	1.59	-0.24	-60.36	-0.36	-60.24	-2.67	-74.16	-451.97	-159.29	-366.83 -
157.85												
		116	0.68	14.07	-5.32	11.34	-2.58	-6.75	-84.68	-316.95	-313.45	-88.18-28.31
		122	0.77	16.55	-19.41	1.65	-4.50	17.71	142.34	-68.66	122.88	-49.19 61.06
		121	1.58	-2.32	-70.03	-10.18	-62.18	21.68	29.00	-294.46	28.60	-294.05-11.49
49	17	14	1.89	62.77	-0.30	-0.14	62.61	3.15	323.92	-386.69	249.68	-312.45
217.35												
		116	1.26	6.88	-14.77	-12.01	4.11	7.23	488.51	-211.28	481.25	-204.02 70.87
		122	1.06	20.34	-14.87	-0.85	6.33	-17.24	65.46	-316.69	0.64	-251.87
143.42												
		121	2.10	72.21	3.78	11.14	64.85	-21.21	122.51	-499.10	17.51	-394.09
232.91												
49	18	14	2.40	35.04	0.71	0.85	34.90	2.20	1229.40	333.19	347.76	1214.84
113.32												
		116	0.66	3.26	-7.78	-5.95	1.44	4.10	311.23	-1.07	304.93	5.23-43.90
		122	1.78	11.01	-8.78	-0.33	2.56	-9.79	414.45	-614.67	-156.94	-43.29 -
511.41												
		121	2.82	40.07	2.48	6.53	36.02	-11.65	1289.46	-25.42	129.17	1134.87 -
423.53												
49	19	14	3.51	-1.25	-33.02	-1.34	-32.92	-1.75	-235.80	-1886.31	-237.05	-1885.06-45.36
		116	0.55	7.24	-1.82	5.36	0.06	-3.68	-94.92	-328.56	-129.37	-294.11 82.84
		122	2.49	10.51	-10.24	1.07	-0.80	10.33	771.60	-753.37	271.14	-252.91
716.05												
		121	4.14	-1.06	-38.35	-5.64	-33.76	12.24	123.30	-2043.81	-100.86	-1819.65
659.96												
49	20	14	1.60	-0.10	-64.12	-0.23	-63.99	-2.85	-61.14	-420.07	-151.86	-329.35 -
155.99												
		116	0.71	15.05	-5.76	12.13	-2.84	-7.23	-86.67	-327.21	-323.98	-89.89-27.66
		122	0.76	17.29	-20.61	1.60	-4.92	18.67	130.91	-57.84	116.60	-43.53 49.97
		121	1.59	-2.54	-74.38	-10.84	-66.09	22.96	21.85	-257.76	20.94	-256.85-15.92
49	21	14	2.00	66.53	-0.44	-0.27	66.37	3.32	312.36	-420.05	242.24	-349.93
215.49												
		116	1.29	7.32	-15.75	-12.80	4.37	7.71	498.82	-209.34	491.78	-202.31 70.22
		122	1.12	21.55	-15.61	-0.81	6.75	-18.19	78.06	-328.67	6.92	-257.53
154.51												
		121	2.23	76.56	4.00	11.80	68.76	-22.48	126.20	-532.33	25.16	-431.29
237.34												
49	22	14	2.40	35.44	0.70	0.84	35.30	2.23	1218.13	315.09	327.44	1205.78
104.87												
		116	0.65	3.32	-7.88	-6.03	1.47	4.15	302.57	-3.48	297.17	1.91-40.28
		122	1.78	11.14	-8.78	-0.27	2.62	-9.85	416.09	-611.87	-147.62	-48.15 -
511.57												
		121	2.83	40.52	2.52	6.60	36.43	-11.77	1298.51	-20.04	146.96	1131.51 -
438.54												
49	23	14	3.51	-1.18	-34.70	-1.28	-34.60	-1.83	-242.04	-1872.30	-243.49	-1870.85-48.66
		116	0.56	7.68	-2.01	5.72	-0.05	-3.89	-101.51	-333.63	-138.51	-296.63 84.97
		122	2.49	10.87	-10.77	1.08	-0.98	10.77	767.47	-747.32	272.65	-252.51
710.42												
		121	4.14	-1.15	-40.30	-5.93	-35.51	12.82	123.68	-2022.21	-95.79	-1802.73
650.24												
49	24	14	1.59	-0.17	-62.44	-0.29	-62.31	-2.77	-62.47	-426.51	-145.41	-343.56 -
152.69												
		116	0.69	14.61	-5.57	11.78	-2.73	-7.02	-83.54	-318.68	-314.84	-87.38-29.79
		122	0.76	16.92	-20.07	1.59	-4.74	18.22	132.59	-61.43	115.08	-43.93 55.59
		121	1.59	-2.45	-72.43	-10.54	-64.34	22.38	16.01	-273.90	15.87	-273.77 -6.20
49	25	14	1.94	64.85	-0.37	-0.21	64.69	3.25	305.97	-405.89	235.80	-335.72
212.19												
		116	1.27	7.13	-15.31	-12.45	4.26	7.49	490.17	-212.36	482.64	-204.83 72.36
		122	1.09	21.01	-15.24	-0.80	6.57	-17.75	75.15	-323.85	8.44	-257.13
148.89												
		121	2.17	74.61	3.91	11.51	67.01	-21.90	126.09	-510.24	30.23	-414.37
227.62												
49	26	14	2.40	37.12	0.63	0.78	36.97	2.30	1205.00	320.45	333.88	1191.57
108.16												
		116	0.67	3.51	-8.32	-6.39	1.58	4.37	312.16	-1.42	306.32	4.43-42.41
		122	1.77	11.67	-9.15	-0.28	2.80	-10.30	409.59	-607.28	-149.14	-48.55 -
505.94												
		121	2.83	42.47	2.61	6.89	38.18	-12.35	1276.64	-20.16	141.90	1114.59 -
428.82												

49	27	14	5.83	38.74	-2.33	-2.28	38.70	1.33	-162.85	-3179.75	-172.86	-3169.74
173.45												
		116	1.46	6.33	-10.36	-9.02	4.99	4.54	365.36	-550.35	315.50	-500.48
207.79												
		122	4.24	13.40	-6.88	-0.20	6.72	-9.53	1298.33	-1437.41	361.30	-500.38
1298.25												
		121	7.06	44.67	2.46	6.64	40.48	-12.61	293.16	-3651.27	-195.04	-3163.07
1298.97												
49	28	14	4.39	1.50	-64.94	1.42	-64.86	-2.32	2035.78	91.31	111.13	2015.96
195.30												
		116	1.05	16.12	-7.24	13.54	-4.67	-7.32	226.32	-379.28	-333.21	180.26
160.55												
		122	3.25	16.04	-21.47	1.59	-7.02	18.25	960.47	-916.77	-153.84	197.55
922.03												
		121	5.49	-2.46	-75.50	-10.69	-67.27	23.09	2452.27	-195.05	210.96	2046.26
953.94												
49	29	14	5.65	67.35	-2.03	-1.92	67.24	2.79	3.32	-2719.30	-20.74	-2695.24
254.80												
		116	1.74	8.83	-16.85	-14.21	6.20	7.80	541.69	-513.14	501.01	-472.46
203.11												
		122	3.98	22.44	-14.40	-0.80	8.84	-17.78	1080.82	-1302.07	277.36	-498.61
1126.51												
		121	6.83	77.69	3.91	11.65	69.94	-22.62	291.66	-3190.92	-164.86	-2734.40
1175.36												
49	30	14	4.58	1.80	-36.34	1.78	-36.32	-0.85	2496.28	257.43	263.24	2490.46
113.95												
		116	0.77	9.61	-4.72	8.35	-3.46	-4.06	273.15	-212.56	-147.70	208.28
165.22												
		122	3.52	8.48	-12.38	1.00	-4.90	10.00	1096.16	-1134.63	-237.78	199.32
1093.77												
		121	5.72	-1.02	-42.47	-5.68	-37.81	13.09	2909.99	-193.92	241.14	2474.93
1077.55												
49	31	14	5.81	38.12	-2.31	-2.26	38.07	1.30	-158.50	-3172.96	-168.69	-3162.76
175.00												
		116	1.46	6.26	-10.20	-8.89	4.95	4.46	364.78	-549.94	315.08	-500.24
207.34												
		122	4.23	13.20	-6.77	-0.22	6.65	-9.38	1295.78	-1435.62	358.96	-498.80
1296.61												
		121	7.04	43.95	2.42	6.53	39.83	-12.41	291.62	-3647.46	-198.85	-3156.99
1300.56												
49	32	14	4.41	1.52	-65.57	1.44	-65.49	-2.35	2042.42	95.81	115.29	2022.94
193.75												
		116	1.06	16.28	-7.32	13.67	-4.71	-7.40	226.75	-379.88	-333.63	180.50
160.99												
		122	3.26	16.15	-21.67	1.58	-7.09	18.41	962.07	-919.13	-156.18	199.13
923.67												
		121	5.51	-2.50	-76.22	-10.80	-67.92	23.30	2455.70	-196.21	207.15	2052.34
952.35												
49	33	14	5.67	67.97	-2.06	-1.94	67.86	2.82	-1.16	-2725.97	-24.91	-2702.22
253.25												
		116	1.74	8.91	-17.01	-14.34	6.24	7.87	542.25	-513.52	501.43	-472.70
203.56												
		122	3.99	22.64	-14.51	-0.78	8.92	-17.93	1083.39	-1303.88	279.70	-500.19
1128.15												
		121	6.85	78.41	3.95	11.76	70.59	-22.82	293.11	-3194.64	-161.05	-2740.48
1173.77												
49	34	14	4.56	1.78	-35.72	1.76	-35.70	-0.82	2489.46	253.10	259.08	2483.48
115.49												
		116	0.77	9.45	-4.65	8.22	-3.42	-3.98	272.69	-211.93	-147.28	208.04
164.78												
		122	3.51	8.37	-12.18	1.01	-4.83	9.85	1094.55	-1132.25	-235.44	197.74
1092.13												
		121	5.70	-0.98	-41.75	-5.57	-37.17	12.88	2906.41	-192.60	244.95	2468.85
1079.14												
49	35	14	5.63	33.14	-2.12	-2.08	33.11	1.09	-185.35	-3131.36	-194.33	-3122.37
162.46												
		116	1.43	5.70	-8.91	-7.84	4.62	3.82	339.46	-563.31	285.02	-508.87
214.90												
		122	4.15	11.62	-5.66	-0.17	6.13	-8.05	1284.33	-1417.03	366.36	-499.05
1279.49												
		121	6.84	38.16	2.15	5.67	34.65	-10.68	293.63	-3578.46	-178.15	-3106.67
1266.58												

49	36	14	4.20	1.29	-59.35	1.22	-59.27	-2.08	1986.91	114.29	132.61	1968.59	-184.31
		116	1.01	14.65	-6.59	12.35	-4.30	-6.60	240.40	-354.49	-302.73	188.64	-167.66
		122	3.16	14.81	-19.68	1.56	-6.42	16.78	939.22	-901.89	-158.89	196.22	-903.27
		121	5.26	-2.16	-68.99	-9.71	-61.44	21.16	2378.61	-194.68	194.08	1989.86	-921.55
49	37	14	5.46	61.75	-1.82	-1.72	61.65	2.55	-19.60	-2670.49	-42.22	-2647.87	243.81
		116	1.69	8.19	-15.38	-13.02	5.83	7.07	514.91	-525.23	470.53	-480.84	210.23
		122	3.88	20.65	-13.17	-0.76	8.25	-16.30	1066.91	-1281.78	282.41	-497.28	1107.75
		121	6.60	71.18	3.61	10.68	64.11	-20.68	291.89	-3117.87	-147.98	-2678.00	1142.97
49	38	14	4.39	1.59	-30.74	1.58	-30.73	-0.61	2447.99	279.82	284.72	2443.09	-102.96
		116	0.75	8.16	-4.08	7.16	-3.09	-3.34	289.66	-190.21	-117.21	216.66	-172.34
		122	3.42	7.25	-10.59	0.96	-4.30	8.53	1074.95	-1119.80	-242.84	197.99	-1075.01
		121	5.49	-0.72	-35.96	-4.70	-31.98	11.16	2836.67	-193.89	224.25	2418.53	-1045.16
49	39	14	5.62	32.52	-2.10	-2.06	32.49	1.06	-181.00	-3124.56	-190.17	-3115.39	164.01
		116	1.43	5.63	-8.75	-7.70	4.58	3.74	338.87	-562.89	284.60	-508.62	214.46
		122	4.14	11.43	-5.55	-0.18	6.06	-7.90	1281.77	-1415.23	364.02	-497.47	1277.85
		121	6.82	37.44	2.11	5.56	34.00	-10.47	292.07	-3574.62	-181.97	-3100.59	1268.16
49	40	14	4.22	1.31	-59.97	1.24	-59.90	-2.11	1993.56	118.78	136.77	1975.57	-182.76
		116	1.01	14.81	-6.67	12.48	-4.34	-6.68	240.83	-355.10	-303.14	188.88	-168.11
		122	3.17	14.92	-19.88	1.54	-6.50	16.93	940.83	-904.26	-161.23	197.80	-904.91
		121	5.28	-2.20	-69.71	-9.82	-62.09	21.37	2382.07	-195.87	190.26	1995.94	-919.96
49	41	14	5.47	62.38	-1.85	-1.74	62.27	2.58	-24.07	-2677.16	-46.38	-2654.85	242.27
		116	1.70	8.26	-15.54	-13.15	5.87	7.15	515.48	-525.62	470.95	-481.08	210.67
		122	3.90	20.85	-13.28	-0.75	8.32	-16.45	1069.49	-1283.60	284.75	-498.86	1109.39
		121	6.62	71.90	3.65	10.79	64.76	-20.89	293.37	-3121.62	-144.16	-2684.08	1141.38
49	42	14	4.37	1.57	-30.12	1.56	-30.11	-0.58	2441.16	275.50	280.56	2436.11	-104.51
		116	0.75	8.00	-4.01	7.03	-3.05	-3.26	289.20	-189.57	-116.80	216.42	-171.89
		122	3.41	7.14	-10.39	0.98	-4.23	8.37	1073.33	-1117.42	-240.50	196.41	-1073.37
		121	5.47	-0.68	-35.24	-4.59	-31.33	10.95	2833.06	-192.54	228.07	2412.45	-1046.75
49	43	14	2.88	-1.11	-24.20	-1.18	-24.13	-1.26	-186.81	-1577.07	-187.62	-1576.26	-33.50
		116	0.48	5.23	-1.10	3.81	0.33	-2.64	-58.61	-288.96	-83.20	-264.37	71.13
		122	2.05	8.20	-7.48	0.96	-0.24	7.82	632.42	-636.35	231.31	-235.23	-589.94
		121	3.40	-0.58	-28.19	-4.07	-24.70	9.18	113.70	-1700.59	-64.23	-1522.67	-539.59
49	44	14	1.36	-0.21	-48.78	-0.30	-48.69	-2.12	-67.17	-396.62	-120.23	-343.56	-121.10
		116	0.51	11.38	-4.20	9.16	-1.97	-5.45	-100.69	-238.95	-237.11	-102.53	-15.84
		122	0.68	13.53	-15.67	1.38	-3.52	14.39	128.76	-88.92	109.10	-69.26	62.39
		121	1.37	-1.76	-56.67	-8.18	-50.25	17.64	31.99	-284.58	31.95	-284.53	3.92
49	45	14	1.68	51.20	-0.33	-0.20	51.07	2.60	264.92	-390.03	210.62	-335.72	-180.61
		116	1.08	5.76	-12.08	-9.83	3.50	5.93	410.59	-195.36	404.91	-189.67	58.40
		122	0.95	16.61	-11.85	-0.58	5.34	-13.92	79.31	-296.69	14.42	-231.80	-142.09

		121	1.87	58.85	3.22	9.15	52.92	-17.17	106.83	-496.29	14.15	-403.61	
217.50													
49	46	14	1.78	26.62	0.57	0.68	26.51	1.73	910.65	264.33	278.00	896.98	93.00
		116	0.56	2.58	-5.86	-4.48	1.20	3.12	253.90	-30.73	251.01	-27.83	-28.57
		122	1.33	8.37	-6.48	-0.17	2.07	-7.34	299.22	-472.84	-107.79	-65.83	-
385.46													
		121	2.09	30.36	2.04	5.03	27.37	-8.70	954.45	-9.60	110.33	834.53	-
318.17													
49	47	14	2.88	-1.07	-25.54	-1.14	-25.47	-1.32	-191.77	-1565.93	-192.72	-1564.98	-36.09
		116	0.49	5.58	-1.25	4.09	0.24	-2.82	-64.13	-292.56	-90.39	-266.30	72.86
		122	2.05	8.49	-7.91	0.97	-0.39	8.17	629.23	-631.62	232.52	-234.92	
585.50													
		121	3.39	-0.65	-29.75	-4.30	-26.09	9.64	114.03	-1683.54	-60.25	-1509.26	
531.89													
49	48	14	1.35	-0.26	-47.45	-0.35	-47.36	-2.06	-66.43	-403.54	-115.13	-354.84	-
118.52													
		116	0.49	11.03	-4.04	8.88	-1.88	-5.28	-98.25	-232.26	-229.92	-100.60	-17.57
		122	0.68	13.24	-15.24	1.37	-3.37	14.04	130.24	-91.92	107.88	-69.57	66.83
		121	1.38	-1.69	-55.12	-7.95	-48.86	17.18	28.38	-298.34	27.97	-297.93	11.61
49	49	14	1.63	49.86	-0.28	-0.15	49.73	2.54	259.76	-378.69	205.52	-324.44	
178.02													
		116	1.06	5.60	-11.73	-9.55	3.41	5.76	403.79	-197.68	397.72	-191.61	60.14
		122	0.93	16.18	-11.56	-0.57	5.20	-13.57	77.04	-292.90	15.63	-231.49	
137.65													
		121	1.82	57.29	3.15	8.91	51.53	-16.70	106.72	-478.79	18.13	-390.21	
209.81													
49	50	14	1.78	27.96	0.52	0.63	27.84	1.79	900.50	268.30	283.10	885.70	95.59
		116	0.57	2.74	-6.21	-4.76	1.29	3.29	261.39	-29.09	258.20	-25.90	-30.30
		122	1.33	8.80	-6.77	-0.18	2.21	-7.69	294.05	-469.20	-109.00	-66.14	-
381.02													
		121	2.08	31.91	2.11	5.27	28.76	-9.16	937.15	-9.68	106.35	821.12	-
310.47													
49	51	14	2.88	-1.06	-25.83	-1.13	-25.76	-1.34	-175.24	-1555.49	-175.87	-1554.86	-29.39
		116	0.48	5.64	-1.28	4.15	0.21	-2.85	-60.32	-287.64	-84.40	-263.57	69.95
		122	2.04	8.49	-8.00	0.92	-0.43	8.22	624.03	-630.41	224.81	-231.19	
584.31													
		121	3.40	-0.68	-30.07	-4.36	-26.39	9.72	108.55	-1686.19	-74.10	-1503.53	
542.64													
49	52	14	1.35	-0.15	-50.41	-0.25	-50.32	-2.20	-56.89	-373.76	-108.49	-322.16	-
116.99													
		116	0.51	11.80	-4.39	9.50	-2.09	-5.66	-99.63	-240.39	-238.30	-101.72	-17.02
		122	0.67	13.82	-16.19	1.33	-3.71	14.80	120.00	-82.62	102.60	-65.22	56.77
		121	1.37	-1.87	-58.55	-8.47	-51.94	18.19	22.24	-265.56	22.07	-265.39	6.96
49	53	14	1.72	52.83	-0.39	-0.25	52.69	2.68	250.17	-408.42	198.87	-357.12	
176.50													
		116	1.09	5.95	-12.50	-10.17	3.62	6.13	411.99	-196.38	406.10	-190.48	59.59
		122	0.98	17.13	-12.14	-0.54	5.53	-14.32	88.24	-303.17	20.92	-235.84	
147.71													
		121	1.93	60.73	3.32	9.43	54.61	-17.71	110.31	-509.03	24.03	-422.75	
214.45													
49	54	14	1.77	28.25	0.51	0.63	28.14	1.81	888.28	253.55	266.26	875.58	88.89
		116	0.57	2.78	-6.28	-4.82	1.32	3.33	254.84	-31.28	252.20	-28.64	-27.38
		122	1.33	8.90	-6.77	-0.13	2.26	-7.74	294.58	-465.74	-101.29	-69.87	-
379.83													
		121	2.09	32.24	2.15	5.32	29.06	-9.25	941.09	-5.49	120.20	815.39	-
321.22													
49	55	14	2.88	-1.01	-27.17	-1.08	-27.10	-1.39	-180.22	-1544.33	-180.97	-1543.58	-31.98
		116	0.48	5.99	-1.43	4.43	0.12	-3.02	-65.85	-291.23	-91.59	-265.50	71.68
		122	2.04	8.78	-8.43	0.93	-0.58	8.57	620.82	-625.68	226.02	-230.88	
579.88													
		121	3.40	-0.75	-31.62	-4.59	-27.79	10.18	108.84	-1669.09	-70.12	-1490.13	
534.94													
49	56	14	1.35	-0.20	-49.08	-0.30	-48.98	-2.14	-56.18	-380.65	-103.39	-333.44	-
114.41													
		116	0.50	11.45	-4.24	9.22	-2.00	-5.49	-97.16	-233.74	-231.11	-99.79	-18.76
		122	0.67	13.53	-15.77	1.33	-3.56	14.44	121.42	-85.57	101.38	-65.53	61.21
		121	1.37	-1.79	-56.99	-8.24	-50.55	17.72	18.81	-279.52	18.09	-278.80	14.66
49	57	14	1.68	51.49	-0.34	-0.20	51.36	2.62	244.96	-397.03	193.77	-345.84	
173.91													
		116	1.07	5.80	-12.15	-9.89	3.53	5.96	405.20	-198.70	398.91	-192.41	61.32
		122	0.96	16.70	-11.85	-0.53	5.39	-13.97	85.98	-299.37	22.13	-235.53	
143.27													

		121	1.87	59.17	3.25	9.20	53.22	-17.25	110.28	-491.61	28.01	-409.34	
206.76													
49	58	14	1.78	29.59	0.46	0.58	29.47	1.87	878.09	257.56	271.36	864.30	91.48
		116	0.58	2.93	-6.63	-5.10	1.41	3.50	262.32	-29.64	259.39	-26.71	-29.12
		122	1.33	9.32	-7.06	-0.13	2.40	-8.09	289.40	-462.09	-102.50	-70.18	-
375.40													
		121	2.09	33.79	2.22	5.56	30.45	-9.71	923.72	-5.51	116.22	801.99	-
313.52													
49	59	14	4.74	30.87	-1.90	-1.86	30.84	1.10	-118.47	-2588.61	-126.85	-2580.23	
143.65													
		116	1.23	5.19	-8.27	-7.21	4.12	3.63	305.77	-465.63	267.19	-427.05	
168.14													
		122	3.44	10.71	-5.24	-0.06	5.53	-7.47	1044.80	-1174.50	297.98	-427.67	
1048.66													
		121	5.73	35.53	2.10	5.35	32.28	-9.91	243.45	-2967.95	-149.00	-2575.50	
1051.81													
49	60	14	3.35	1.13	-51.08	1.07	-51.02	-1.78	1544.01	82.54	97.77	1528.78	-
148.38													
		116	0.76	12.65	-5.57	10.63	-3.54	-5.72	149.90	-283.28	-245.82	112.44	-
121.76													
		122	2.51	12.81	-16.88	1.32	-5.38	14.46	727.58	-711.39	-109.39	125.58	-
709.83													
		121	4.21	-1.80	-59.45	-8.35	-52.90	18.29	1868.86	-145.64	171.58	1551.64	-
733.76													
49	61	14	4.61	53.49	-1.66	-1.57	53.40	2.26	12.09	-2227.53	-7.38	-2208.07	
207.88													
		116	1.45	7.16	-13.38	-11.30	5.07	6.20	445.39	-436.41	413.62	-404.64	
164.32													
		122	3.23	17.85	-11.17	-0.52	7.21	-13.99	875.09	-1068.83	232.91	-426.64	
914.30													
		121	5.55	61.63	3.25	9.32	55.56	-17.82	242.13	-2607.39	-125.48	-2239.78	
955.18													
49	62	14	3.49	1.38	-28.47	1.36	-28.46	-0.62	1905.14	213.04	217.23	1900.95	-84.14
		116	0.54	7.52	-3.57	6.54	-2.59	-3.15	189.45	-153.98	-99.38	134.85	-
125.58													
		122	2.71	6.84	-9.69	0.86	-3.71	7.94	833.57	-881.42	-174.46	126.61	-
844.18													
		121	4.38	-0.66	-33.34	-4.39	-29.61	10.39	2226.76	-144.30	195.10	1887.36	-
830.39													
49	63	14	4.73	30.38	-1.89	-1.85	30.35	1.08	-114.79	-2582.34	-123.33	-2573.81	
144.88													
		116	1.23	5.13	-8.15	-7.11	4.09	3.57	305.28	-465.26	266.83	-426.81	
167.79													
		122	3.43	10.55	-5.15	-0.07	5.47	-7.35	1042.32	-1172.76	296.03	-426.46	
1046.97													
		121	5.71	34.97	2.06	5.26	31.77	-9.75	242.16	-2963.87	-151.96	-2569.75	
1052.72													
49	64	14	3.37	1.15	-51.57	1.08	-51.51	-1.80	1550.15	86.35	101.29	1535.20	-
147.14													
		116	0.77	12.78	-5.63	10.73	-3.58	-5.79	150.29	-283.79	-246.18	112.68	-
122.12													
		122	2.51	12.90	-17.03	1.31	-5.44	14.58	729.13	-713.68	-111.34	126.80	-
711.51													
		121	4.23	-1.83	-60.01	-8.44	-53.40	18.46	1872.57	-146.57	168.62	1557.38	-
732.85													
49	65	14	4.62	53.98	-1.68	-1.58	53.88	2.28	8.31	-2233.70	-10.90	-2214.49	
206.65													
		116	1.45	7.22	-13.51	-11.40	5.11	6.26	445.86	-436.76	413.98	-404.88	
164.68													
		122	3.24	18.01	-11.26	-0.51	7.26	-14.11	877.59	-1070.58	234.86	-427.85	
915.99													
		121	5.57	62.20	3.28	9.40	56.07	-17.98	243.36	-2611.40	-122.52	-2245.52	
954.27													
49	66	14	3.48	1.36	-27.99	1.35	-27.97	-0.60	1898.85	209.39	213.71	1894.53	-85.38
		116	0.54	7.40	-3.52	6.44	-2.56	-3.09	189.04	-153.46	-99.03	134.60	-
125.22													
		122	2.70	6.75	-9.53	0.87	-3.65	7.82	832.01	-879.11	-172.51	125.40	-
842.49													
		121	4.37	-0.63	-32.78	-4.30	-29.10	10.23	2222.91	-143.23	198.06	1881.62	-
831.30													
49	67	14	4.59	26.42	-1.74	-1.71	26.39	0.91	-136.27	-2550.19	-143.85	-2542.62	
135.02													

		116	1.20	4.68	-7.12	-6.26	3.83	3.06	285.31	-475.57	243.22	-433.48	
173.92													
		122	3.36	9.29	-4.28	-0.04	5.05	-6.29	1033.88	-1158.48	302.02	-426.62	
1033.87													
		121	5.55	30.36	1.86	4.58	27.64	-8.38	243.78	-2910.33	-135.73	-2530.81	
1026.15													
49	68	14	3.20	0.96	-46.62	0.91	-46.57	-1.59	1505.22	100.72	114.77	1491.17	-
139.75													
		116	0.73	11.49	-5.05	9.68	-3.25	-5.15	161.32	-264.31	-221.85	118.87	-
127.54													
		122	2.43	11.84	-15.45	1.29	-4.91	13.29	710.69	-699.60	-113.43	124.53	-
695.03													
		121	4.03	-1.56	-54.27	-7.58	-48.25	16.76	1810.45	-145.18	158.31	1506.96	-
708.11													
49	69	14	4.45	49.03	-1.50	-1.41	48.95	2.06	-6.04	-2188.80	-24.38	-2170.45	
199.25													
		116	1.41	6.64	-12.22	-10.35	4.78	5.63	424.29	-445.71	389.66	-411.07	
170.10													
		122	3.16	16.42	-10.19	-0.50	6.73	-12.81	864.25	-1052.89	236.95	-425.59	
899.51													
		121	5.37	56.45	3.01	8.54	50.92	-16.28	242.28	-2549.59	-112.21	-2195.10	
929.53													
49	70	14	3.34	1.21	-24.02	1.21	-24.01	-0.43	1866.83	230.74	234.24	1863.33	-75.52
		116	0.52	6.36	-3.07	5.59	-2.30	-2.58	203.21	-137.35	-75.42	141.28	-
131.36													
		122	2.64	5.86	-8.26	0.83	-3.23	6.77	816.74	-869.68	-178.50	125.56	-
829.39													
		121	4.20	-0.42	-28.16	-3.61	-24.97	8.85	2168.63	-144.12	181.83	1842.68	-
804.73													
49	71	14	4.57	25.93	-1.72	-1.69	25.90	0.88	-132.60	-2543.92	-140.33	-2536.20	
136.25													
		116	1.20	4.62	-6.99	-6.16	3.79	3.00	284.82	-475.19	242.87	-433.24	
173.57													
		122	3.35	9.14	-4.19	-0.05	5.00	-6.17	1031.39	-1156.73	300.07	-425.41	
1032.18													
		121	5.54	29.79	1.82	4.49	27.13	-8.21	242.47	-2906.23	-138.69	-2525.07	
1027.07													
49	72	14	3.21	0.98	-47.11	0.93	-47.06	-1.61	1511.36	104.52	118.29	1497.59	-
138.51													
		116	0.73	11.61	-5.11	9.79	-3.28	-5.22	161.72	-264.82	-222.21	119.11	-
127.89													
		122	2.44	11.92	-15.61	1.28	-4.96	13.41	712.25	-701.90	-115.38	125.74	-
696.72													
		121	4.05	-1.59	-54.83	-7.66	-48.76	16.92	1814.19	-146.14	155.35	1512.70	-
707.19													
49	73	14	4.47	49.52	-1.51	-1.43	49.43	2.09	-9.81	-2194.97	-27.90	-2176.87	
198.02													
		116	1.42	6.70	-12.35	-10.46	4.81	5.69	424.77	-446.07	390.01	-411.32	
170.46													
		122	3.17	16.58	-10.28	-0.49	6.79	-12.93	866.75	-1054.65	238.90	-426.80	
901.20													
		121	5.39	57.02	3.04	8.63	51.43	-16.44	243.53	-2553.62	-109.25	-2200.84	
928.61													
49	74	14	3.33	1.20	-23.53	1.19	-23.52	-0.41	1860.53	227.10	230.71	1856.91	-76.75
		116	0.52	6.24	-3.01	5.49	-2.26	-2.52	202.80	-136.83	-75.06	141.04	-
131.00													
		122	2.63	5.78	-8.11	0.84	-3.17	6.65	815.16	-867.36	-176.55	124.35	-
827.70													
		121	4.19	-0.39	-27.60	-3.53	-24.46	8.69	2164.75	-143.03	184.79	1836.93	-
805.65													
49	75	14	2.48	-0.97	-19.79	-1.02	-19.74	-1.00	-147.28	-1363.92	-147.71	-1363.50	-22.65
		116	0.44	4.28	-0.78	3.09	0.40	-2.14	-35.55	-262.57	-54.28	-243.84	62.46
		122	1.76	6.93	-6.11	0.87	-0.04	6.50	539.24	-557.56	202.18	-220.50	
506.04													
		121	2.92	-0.35	-23.12	-3.28	-20.18	7.63	103.22	-1472.41	-49.19	-1320.00	
465.74													
49	76	14	1.21	-0.22	-40.11	-0.29	-40.04	-1.71	-60.24	-376.49	-91.99	-344.73	-95.05
		116	0.39	9.35	-3.33	7.51	-1.50	-4.46	-108.87	-182.71	-181.48	-110.10	-9.45
		122	0.64	11.33	-12.87	1.21	-2.75	11.94	124.74	-106.92	101.17	-83.34	70.04
		121	1.25	-1.33	-46.65	-6.68	-41.30	14.62	31.93	-298.35	30.31	-296.73	23.05
49	77	14	1.49	42.53	-0.32	-0.21	42.41	2.19	225.06	-377.23	182.38	-334.55	
154.55													

		116	0.95	4.89	-10.05	-8.18	3.03	4.94	354.33	-187.15	349.28	-182.10	52.01
		122	0.86	13.81	-9.65	-0.41	4.57	-11.46	82.54	-277.91	22.35	-217.72	
134.44													
		121	1.66	48.83	2.78	7.64	43.97	-14.15	96.45	-472.07	15.79	-391.41	
198.37													
49	78	14	1.38	22.22	0.42	0.52	22.12	1.47	698.87	223.44	238.09	684.22	82.16
		116	0.51	2.27	-4.90	-3.76	1.13	2.62	223.53	-49.81	222.08	-48.36	-19.89
		122	1.05	7.00	-5.20	-0.07	1.87	-6.03	221.95	-381.18	-78.67	-80.56	-
301.56													
		121	1.62	25.28	1.81	4.24	22.85	-7.15	726.43	0.72	95.29	631.86	-
244.32													
49	79	14	2.48	-0.93	-20.90	-0.98	-20.84	-1.05	-151.41	-1354.69	-151.92	-1354.18	-24.80
		116	0.44	4.56	-0.91	3.32	0.33	-2.29	-40.32	-265.34	-60.22	-245.44	63.89
		122	1.76	7.17	-6.46	0.87	-0.16	6.79	536.64	-553.69	203.19	-220.24	
502.37													
		121	2.92	-0.41	-24.40	-3.47	-21.33	8.01	103.51	-1458.33	-45.90	-1308.92	
459.38													
49	80	14	1.21	-0.26	-39.01	-0.33	-38.94	-1.66	-58.57	-383.26	-87.78	-354.05	-92.91
		116	0.37	9.06	-3.21	7.28	-1.42	-4.32	-106.78	-177.26	-175.54	-108.50	-10.88
		122	0.64	11.09	-12.52	1.20	-2.63	11.65	126.08	-109.52	100.17	-83.60	73.71
		121	1.25	-1.27	-45.37	-6.49	-40.15	14.24	29.58	-310.37	27.02	-307.80	29.41
49	81	14	1.45	41.42	-0.28	-0.17	41.31	2.14	220.71	-367.78	178.16	-325.23	
152.41													
		116	0.93	4.77	-9.76	-7.95	2.95	4.80	348.70	-189.07	343.34	-183.70	53.44
		122	0.84	13.46	-9.41	-0.41	4.46	-11.17	80.70	-274.81	23.35	-217.45	
130.77													
		121	1.61	47.55	2.72	7.45	42.82	-13.77	96.41	-457.67	19.08	-380.33	
192.01													
49	82	14	1.38	23.32	0.38	0.48	23.22	1.52	690.74	226.46	242.31	674.90	84.30
		116	0.52	2.39	-5.19	-4.00	1.20	2.76	229.67	-48.40	228.02	-46.76	-21.32
		122	1.05	7.36	-5.45	-0.08	1.99	-6.32	217.65	-378.14	-79.67	-80.82	-
297.90													
		121	1.61	26.57	1.87	4.44	24.00	-7.53	712.10	0.69	92.00	620.78	-
237.96													
49	83	14	2.48	-0.92	-21.14	-0.98	-21.09	-1.06	-137.70	-1346.14	-138.01	-1345.84	-19.22
		116	0.44	4.62	-0.94	3.37	0.31	-2.32	-36.91	-261.50	-55.25	-243.17	61.49
		122	1.76	7.17	-6.54	0.83	-0.20	6.83	532.31	-552.64	196.81	-217.14	
501.44													
		121	2.93	-0.43	-24.67	-3.52	-21.59	8.08	98.94	-1460.51	-57.36	-1304.22	
468.30													
49	84	14	1.21	-0.17	-41.46	-0.25	-41.38	-1.78	-51.81	-357.57	-82.30	-327.07	-91.62
		116	0.39	9.70	-3.50	7.80	-1.59	-4.64	-107.97	-183.91	-182.45	-109.42	-10.41
		122	0.63	11.57	-13.31	1.17	-2.91	12.27	117.48	-101.67	95.79	-79.98	65.44
		121	1.25	-1.41	-48.21	-6.92	-42.70	15.07	24.29	-283.10	22.14	-280.95	25.61
49	85	14	1.53	43.87	-0.37	-0.25	43.76	2.25	213.08	-392.61	172.69	-352.21	
151.12													
		116	0.95	5.06	-10.40	-8.47	3.12	5.11	355.47	-187.99	350.25	-182.78	52.98
		122	0.88	14.24	-9.89	-0.38	4.73	-11.79	89.89	-283.25	27.72	-221.08	
139.04													
		121	1.71	50.38	2.87	7.88	45.37	-14.60	99.61	-482.84	23.96	-407.19	
195.81													
49	86	14	1.38	23.57	0.37	0.48	23.46	1.54	680.27	214.68	228.40	666.56	78.73
		116	0.52	2.43	-5.25	-4.04	1.22	2.79	224.36	-50.34	223.05	-49.03	-18.93
		122	1.05	7.43	-5.45	-0.04	2.02	-6.36	218.40	-375.61	-73.29	-83.92	-
296.96													
		121	1.62	26.84	1.90	4.48	24.25	-7.60	715.64	3.90	103.46	616.08	-
246.88													
49	87	14	2.48	-0.88	-22.25	-0.94	-22.19	-1.11	-141.85	-1336.90	-142.23	-1336.52	-21.37
		116	0.44	4.90	-1.06	3.61	0.23	-2.46	-41.69	-264.27	-61.19	-244.77	62.92
		122	1.75	7.41	-6.89	0.84	-0.32	7.12	529.69	-548.76	197.81	-216.88	
497.77													
		121	2.92	-0.49	-25.95	-3.71	-22.74	8.46	99.19	-1446.40	-54.07	-1293.14	
461.94													
49	88	14	1.21	-0.21	-40.36	-0.29	-40.28	-1.73	-50.12	-364.36	-78.08	-336.39	-89.47
		116	0.38	9.41	-3.37	7.56	-1.52	-4.49	-105.84	-178.49	-176.51	-107.83	-11.84
		122	0.63	11.33	-12.95	1.17	-2.79	11.98	118.79	-104.24	94.79	-80.24	69.11
		121	1.25	-1.36	-46.92	-6.73	-41.55	14.69	22.11	-295.28	18.85	-292.02	31.97
49	89	14	1.49	42.77	-0.33	-0.21	42.66	2.21	208.71	-383.13	168.47	-342.89	
148.98													
		116	0.94	4.93	-10.11	-8.23	3.05	4.97	349.85	-189.92	344.31	-184.38	54.41
		122	0.86	13.89	-9.65	-0.37	4.61	-11.50	88.06	-280.15	28.72	-220.82	
135.37													

		121	1.66	49.10	2.81	7.69	44.22	-14.22	99.64	-468.51	27.25	-396.12	189.45
49	90	14	1.38	24.67	0.33	0.44	24.57	1.59	672.12	217.73	232.61	657.24	80.87
		116	0.53	2.56	-5.54	-4.28	1.30	2.93	230.48	-48.92	228.99	-47.43	-20.36
		122	1.05	7.79	-5.69	-0.04	2.14	-6.65	214.09	-372.57	-74.30	-84.18	-293.29
		121	1.62	28.12	1.96	4.68	25.40	-7.98	701.25	3.92	100.17	605.00	-240.52
49	91	14	4.03	25.73	-1.62	-1.58	25.69	0.95	-89.88	-2199.22	-97.17	-2191.93	123.83
		116	1.08	4.42	-6.90	-6.01	3.54	3.04	266.93	-409.83	235.38	-378.27	142.69
		122	2.91	8.94	-4.19	0.02	4.73	-6.13	878.95	-1001.40	257.09	-379.55	884.65
		121	4.86	29.56	1.85	4.51	26.91	-8.15	209.99	-2517.99	-119.20	-2188.80	888.63
49	92	14	2.66	0.89	-42.01	0.84	-41.96	-1.43	1216.20	76.29	88.53	1203.96	-117.48
		116	0.58	10.39	-4.46	8.73	-2.80	-4.69	100.13	-221.22	-188.64	67.55	-97.00
		122	2.01	10.74	-13.87	1.16	-4.29	12.00	573.11	-575.08	-79.63	77.65	-568.68
		121	3.36	-1.36	-48.94	-6.82	-43.49	15.16	1480.29	-112.40	145.81	1222.08	-587.00
49	93	14	3.92	44.42	-1.42	-1.34	44.34	1.91	18.33	-1899.71	1.85	-1883.24	176.99
		116	1.26	6.05	-11.13	-9.40	4.33	5.17	382.68	-385.99	356.45	-359.75	139.56
		122	2.74	14.84	-9.09	-0.37	6.11	-11.52	738.30	-913.87	203.14	-378.71	773.16
		121	4.71	51.13	2.81	7.78	46.16	-14.69	208.72	-2218.65	-99.70	-1910.22	808.42
49	94	14	2.78	1.09	-23.33	1.08	-23.32	-0.47	1515.76	184.44	187.56	1512.64	-64.32
		116	0.39	6.15	-2.81	5.34	-2.01	-2.57	135.45	-116.96	-67.57	86.07	-100.13
		122	2.18	5.79	-7.92	0.78	-2.91	6.61	660.84	-715.93	-133.58	78.49	-680.17
		121	3.51	-0.42	-27.37	-3.54	-24.24	8.63	1776.89	-110.93	165.30	1500.66	-667.21
49	95	14	4.02	25.32	-1.60	-1.57	25.29	0.93	-86.84	-2194.05	-94.26	-2186.63	124.85
		116	1.08	4.38	-6.80	-5.93	3.51	2.99	266.54	-409.53	235.09	-378.07	142.40
		122	2.90	8.81	-4.12	8.19e-03	4.68	-6.03	876.90	-999.96	255.48	-378.54	883.26
		121	4.84	29.10	1.83	4.43	26.49	-8.02	208.91	-2514.63	-121.65	-2184.06	889.40
49	96	14	2.67	0.90	-42.42	0.85	-42.37	-1.45	1221.26	79.44	91.44	1209.26	-116.45
		116	0.58	10.50	-4.51	8.81	-2.82	-4.74	100.46	-221.64	-188.93	67.75	-97.29
		122	2.02	10.81	-14.00	1.15	-4.34	12.09	574.36	-576.93	-81.24	78.66	-570.07
		121	3.38	-1.39	-49.41	-6.89	-43.91	15.30	1483.30	-113.12	143.36	1226.82	-586.23
49	97	14	3.93	44.82	-1.43	-1.35	44.74	1.93	15.21	-1904.80	-1.05	-1888.54	175.96
		116	1.26	6.10	-11.23	-9.48	4.35	5.22	383.06	-386.28	356.74	-359.95	139.85
		122	2.74	14.97	-9.16	-0.35	6.16	-11.62	740.36	-915.32	204.75	-379.72	774.55
		121	4.72	51.60	2.83	7.86	46.58	-14.82	209.75	-2221.96	-97.26	-1914.96	807.65
49	98	14	2.77	1.08	-22.92	1.07	-22.91	-0.45	1510.57	181.43	184.65	1507.35	-65.35
		116	0.39	6.05	-2.77	5.26	-1.98	-2.51	135.12	-116.53	-67.28	85.87	-99.84
		122	2.18	5.72	-7.79	0.79	-2.86	6.51	659.57	-714.06	-131.96	77.48	-678.78
		121	3.50	-0.39	-26.90	-3.47	-23.82	8.49	1773.75	-110.08	167.75	1495.93	-667.98
49	99	14	3.90	22.04	-1.48	-1.45	22.02	0.79	-104.61	-2167.48	-111.23	-2160.86	116.69
		116	1.06	4.01	-5.95	-5.24	3.29	2.57	249.89	-417.93	215.56	-383.60	147.46
		122	2.85	7.77	-3.40	0.04	4.33	-5.16	869.98	-988.22	260.43	-378.68	

872.42													
		121	4.71	25.29	1.66	3.87	23.07	-6.88	210.30	-2470.42	-108.23	-2151.89	
867.43													
49	100	14	2.53	0.75	-38.33	0.71	-38.29	-1.27	1184.15	91.33	102.59	1172.89	-
110.35													
		116	0.54	9.43	-4.04	7.95	-2.55	-4.22	110.02	-205.96	-168.83	72.88	-
101.76													
		122	1.95	9.93	-12.69	1.14	-3.90	11.02	559.07	-565.26	-82.97	76.78	-
556.46													
		121	3.21	-1.17	-44.67	-6.18	-39.65	13.89	1431.97	-111.96	134.83	1185.17	-
565.80													
49	101	14	3.79	40.73	-1.28	-1.21	40.66	1.75	3.34	-1867.72	-12.20	-1852.18	
169.85													
		116	1.23	5.63	-10.17	-8.62	4.08	4.70	365.15	-393.61	336.63	-365.08	
144.32													
		122	2.68	13.66	-8.29	-0.34	5.72	-10.55	729.42	-900.78	206.48	-377.84	
760.94													
		121	4.56	46.85	2.61	7.14	42.32	-13.42	208.89	-2170.93	-88.73	-1873.31	
787.22													
49	102	14	2.66	0.96	-19.64	0.95	-19.64	-0.32	1484.13	199.06	201.61	1481.58	-57.18
		116	0.38	5.19	-2.39	4.56	-1.76	-2.09	147.70	-104.05	-47.76	91.40	-
104.90													
		122	2.12	4.99	-6.74	0.76	-2.51	5.63	646.85	-706.15	-136.92	77.62	-
667.94													
		121	3.36	-0.22	-23.09	-2.90	-20.41	7.36	1728.80	-110.73	154.33	1463.75	-
646.01													
49	103	14	3.89	21.64	-1.47	-1.44	21.61	0.77	-101.57	-2162.31	-108.32	-2155.56	
117.72													
		116	1.05	3.96	-5.85	-5.15	3.27	2.52	249.49	-417.62	215.27	-383.40	
147.17													
		122	2.84	7.65	-3.33	0.03	4.29	-5.06	867.93	-986.78	258.82	-377.67	
871.04													
		121	4.69	24.82	1.63	3.80	22.65	-6.75	209.21	-2467.04	-110.68	-2147.15	
868.20													
49	104	14	2.55	0.76	-38.73	0.72	-38.69	-1.29	1189.22	94.47	105.50	1178.19	-
109.32													
		116	0.55	9.54	-4.09	8.03	-2.58	-4.27	110.35	-206.38	-169.12	73.08	-
102.05													
		122	1.96	10.00	-12.81	1.13	-3.94	11.12	560.32	-567.11	-84.58	77.79	-
557.84													
		121	3.23	-1.19	-45.13	-6.25	-40.07	14.03	1435.00	-112.71	132.38	1189.90	-
565.03													
49	105	14	3.80	41.14	-1.30	-1.22	41.07	1.77	0.23	-1872.82	-15.11	-1857.47	
168.82													
		116	1.23	5.68	-10.27	-8.70	4.11	4.75	365.54	-393.90	336.92	-365.28	
144.61													
		122	2.68	13.79	-8.36	-0.33	5.77	-10.65	731.48	-902.24	208.09	-378.85	
762.32													
		121	4.57	47.32	2.64	7.22	42.74	-13.55	209.94	-2174.26	-86.28	-1878.04	
786.45													
49	106	14	2.64	0.94	-19.24	0.94	-19.24	-0.30	1478.93	196.06	198.71	1476.28	-58.21
		116	0.38	5.09	-2.35	4.48	-1.74	-2.04	147.36	-103.63	-47.47	91.20	-
104.61													
		122	2.11	4.92	-6.61	0.77	-2.46	5.53	645.58	-704.28	-135.30	76.61	-
666.56													
		121	3.35	-0.19	-22.62	-2.83	-19.98	7.22	1725.65	-109.86	156.78	1459.01	-
646.78													
52	1	123	0.17	0.44	0.13	0.17	0.41	0.10	60.41	-57.00	27.93	-24.52	52.52
		118	0.16	0.41	0.12	0.16	0.36	0.10	42.77	-67.01	23.32	-47.56	41.91
		10	0.13	0.34	-0.12	-0.10	0.31	0.10	11.67	-69.19	-4.41	-53.11	32.28
		119	0.13	0.38	-0.11	-0.09	0.35	0.10	30.54	-60.41	0.20	-30.07	42.88
52	2	123	0.56	1.47	0.45	0.45	1.47	0.04	198.86	-182.90	72.72	-56.75	
179.57													
		118	0.57	4.52	1.06	1.06	4.52	0.04	129.63	-234.89	52.51	-157.78	
148.87													
		10	0.46	4.03	-1.35	-1.35	4.03	0.04	28.45	-230.02	-27.74	-173.83	
106.61													
		119	0.42	0.99	-1.96	-1.95	0.99	0.04	100.96	-181.30	-7.53	-72.81	
137.31													
52	3	123	0.12	0.32	0.09	0.13	0.29	0.08	43.88	-41.50	20.64	-18.26	38.00
		118	0.12	0.25	0.06	0.11	0.20	0.08	31.28	-48.39	17.39	-34.51	30.22
		10	0.09	0.20	-0.08	-0.05	0.17	0.08	8.67	-50.19	-2.95	-38.57	23.43

		119	0.10	0.28	-0.05	-0.03	0.26	0.08	22.18	-44.20	0.30	-22.32	31.20
52	4	123	0.51	1.36	0.41	0.41	1.36	0.01	182.40	-167.46	65.43	-50.49	
165.05													
		118	0.53	4.35	1.01	1.01	4.35	0.01	118.16	-216.31	46.58	-144.72	
137.18													
		10	0.43	3.89	-1.30	-1.30	3.89	0.01	25.45	-211.03	-26.28	-159.30	97.76
		119	0.39	0.90	-1.90	-1.90	0.90	0.01	92.65	-165.14	-7.43	-65.06	
125.63													
52	5	123	0.13	0.33	0.10	0.13	0.30	0.08	45.34	-42.82	21.12	-18.60	39.36
		118	0.12	0.28	0.08	0.12	0.25	0.08	32.19	-50.17	17.70	-35.68	31.36
		10	0.10	0.23	-0.09	-0.07	0.21	0.08	8.84	-51.90	-3.20	-39.86	24.22
		119	0.10	0.29	-0.07	-0.05	0.27	0.08	22.92	-45.48	0.22	-22.78	32.21
52	6	123	0.38	1.02	0.32	0.32	1.01	0.04	137.59	-126.70	50.98	-40.09	
124.06													
		118	0.39	3.01	0.72	0.72	3.01	0.04	90.07	-162.07	37.16	-109.16	
102.67													
		10	0.32	2.69	-0.90	-0.90	2.69	0.04	20.02	-159.12	-18.75	-120.34	73.78
		119	0.29	0.69	-1.30	-1.30	0.69	0.04	69.84	-126.05	-4.94	-51.27	95.16
52	7	123	0.13	0.33	0.10	0.13	0.30	0.08	45.34	-42.82	21.12	-18.60	39.36
		118	0.12	0.28	0.08	0.12	0.25	0.08	32.19	-50.17	17.70	-35.68	31.36
		10	0.10	0.23	-0.09	-0.07	0.21	0.08	8.84	-51.90	-3.20	-39.86	24.22
		119	0.10	0.29	-0.07	-0.05	0.27	0.08	22.92	-45.48	0.22	-22.78	32.21
52	8	123	0.31	0.81	0.26	0.26	0.80	0.05	109.84	-101.46	42.02	-33.64	98.65
		118	0.31	2.19	0.54	0.54	2.18	0.05	72.67	-128.46	31.32	-87.12	81.28
		10	0.25	1.95	-0.65	-0.65	1.95	0.05	16.66	-126.95	-14.09	-96.20	58.91
		119	0.24	0.57	-0.93	-0.92	0.56	0.05	55.71	-101.83	-3.39	-42.72	76.28
52	9	123	0.13	0.33	0.10	0.13	0.30	0.08	45.34	-42.82	21.12	-18.60	39.36
		118	0.12	0.28	0.08	0.12	0.25	0.08	32.19	-50.17	17.70	-35.68	31.36
		10	0.10	0.23	-0.09	-0.07	0.21	0.08	8.84	-51.90	-3.20	-39.86	24.22
		119	0.10	0.29	-0.07	-0.05	0.27	0.08	22.92	-45.48	0.22	-22.78	32.21
52	10	123	0.28	0.74	0.24	0.24	0.73	0.05	100.60	-93.06	39.03	-31.49	90.18
		118	0.28	1.91	0.48	0.48	1.91	0.05	66.87	-117.26	29.38	-79.77	74.15
		10	0.23	1.70	-0.57	-0.56	1.70	0.05	15.54	-116.22	-12.53	-88.15	53.95
		119	0.22	0.52	-0.80	-0.80	0.52	0.05	51.01	-93.76	-2.88	-39.87	69.98
52	11	123	2.03	3.33	-6.20	-1.67	-1.20	-4.76	794.37	-502.06	81.48	210.84	
644.98													
		118	1.82	19.12	0.78	2.82	17.08	-5.76	491.12	-622.71	-15.22	-116.37	
554.61													
		10	1.34	15.08	-4.26	-4.26	15.07	0.19	264.04	-618.46	-194.81	-159.60	
440.90													
		119	1.59	-1.64	-8.55	-7.93	-2.26	1.98	520.45	-525.55	-155.57	150.47	
500.11													
52	12	123	0.61	4.72	-13.38	-3.19	-5.48	-8.98	119.78	-175.37	-162.22	106.64	60.88
		118	1.04	32.76	-1.31	3.86	27.59	-12.22	296.77	-152.10	-140.57	285.24	71.01
		10	1.08	24.83	-8.33	-8.33	24.83	0.33	277.67	-149.08	-113.27	241.86	
118.31													
		119	0.66	-5.79	-17.12	-15.26	-7.65	4.20	144.57	-172.86	-103.67	75.38	
131.06													
52	13	123	0.83	14.54	-3.92	3.68	6.94	9.08	272.57	-201.90	240.29	-169.62	
119.47													
		118	1.43	2.81	-29.49	-2.91	-23.77	12.32	208.47	-453.93	199.32	-444.78	77.29
		10	1.21	7.20	-21.44	7.20	-21.43	-0.23	88.42	-418.37	88.21	-418.16	-10.41
		119	0.47	15.96	6.39	13.66	8.69	-4.09	98.23	-155.44	97.92	-155.13	8.91
52	14	123	1.56	7.28	-2.46	2.16	2.66	4.86	345.29	-622.52	-3.41	-273.82	-
464.63													
		118	1.35	0.62	-15.75	-1.87	-13.26	5.87	425.92	-395.11	73.98	-43.17	-
406.32													
		10	1.08	3.13	-11.68	3.13	-11.68	-0.09	422.32	-269.27	169.75	-16.70	-
332.99													
		119	1.24	7.23	2.41	6.33	3.31	-1.87	367.00	-447.41	149.82	-230.22	-
360.15													
52	15	123	2.02	3.39	-6.60	-1.81	-1.40	-4.99	789.31	-498.72	80.16	210.43	
640.71													
		118	1.82	19.80	0.66	2.85	17.61	-6.09	488.00	-619.14	-18.83	-112.31	
551.59													
		10	1.33	15.57	-4.44	-4.44	15.57	0.19	259.70	-614.15	-197.20	-157.24	
436.47													
		119	1.59	-1.85	-8.91	-8.26	-2.51	2.05	519.17	-521.56	-156.61	154.23	
496.61													
52	16	123	0.61	4.65	-12.98	-3.06	-5.28	-8.74	122.05	-175.91	-160.91	107.05	65.15
		118	1.02	32.06	-1.18	3.83	27.05	-11.89	293.90	-149.67	-136.96	281.18	74.02
		10	1.07	24.33	-8.15	-8.14	24.33	0.33	278.22	-149.60	-110.88	239.50	

122.75												
		119	0.66	-5.58	-16.75	-14.93	-7.40	4.13	144.80	-175.80	-102.62	71.62
134.56												
52	17	123	0.81	14.14	-3.85	3.54	6.74	8.85	269.19	-200.25	238.97	-170.03
115.20												
		118	1.40	2.68	-28.79	-2.88	-23.24	12.00	204.26	-449.27	195.71	-440.72 74.27
		10	1.19	7.02	-20.94	7.01	-20.93	-0.23	86.26	-416.24	85.82	-415.80-14.84
		119	0.46	15.60	6.18	13.33	8.45	-4.02	96.99	-151.49	96.87	-151.37 5.40
52	18	123	1.55	7.68	-2.53	2.29	2.86	5.10	342.18	-617.69	-2.09	-273.41 -
460.36												
		118	1.35	0.75	-16.44	-1.89	-13.80	6.20	423.28	-392.92	77.59	-47.23 -
403.30												
		10	1.08	3.31	-12.18	3.31	-12.18	-0.08	418.73	-265.65	172.14	-19.06 -
328.56												
		119	1.24	7.59	2.62	6.66	3.55	-1.94	363.69	-446.80	150.86	-233.98 -
356.65												
52	19	123	2.02	3.31	-6.69	-1.88	-1.50	-5.00	790.30	-497.82	77.81	214.68
640.42												
		118	1.82	19.75	0.51	2.74	17.52	-6.17	475.20	-626.57	-28.65	-122.72
548.87												
		10	1.32	15.49	-4.51	-4.50	15.49	0.16	242.17	-618.06	-205.88	-170.02
429.74												
		119	1.56	-1.96	-8.94	-8.26	-2.63	2.07	508.61	-515.96	-159.28	151.94
488.08												
52	20	123	0.61	4.71	-13.89	-3.40	-5.78	-9.22	121.52	-176.93	-165.89	110.48 56.32
		118	1.06	33.41	-1.60	3.78	28.03	-12.62	288.52	-163.62	-153.99	278.89 65.27
		10	1.08	25.25	-8.58	-8.58	25.25	0.30	261.22	-154.12	-124.34	231.45
107.15												
		119	0.64	-6.08	-17.53	-15.59	-8.02	4.29	135.24	-165.78	-107.39	76.85
119.02												
52	21	123	0.85	15.04	-3.91	3.88	7.24	9.32	278.04	-207.54	243.96	-173.47
124.04												
		118	1.45	3.10	-30.14	-2.83	-24.21	12.73	223.17	-448.85	212.75	-438.43 83.02
		10	1.21	7.45	-21.85	7.45	-21.85	-0.19	99.28	-407.75	99.28	-407.75 0.75
		119	0.47	16.38	6.67	13.99	9.06	-4.18	103.32	-158.28	101.63	-156.59 20.94
52	22	123	1.56	7.78	-2.45	2.37	2.96	5.10	341.89	-619.29	0.26	-277.66 -
460.06												
		118	1.35	0.91	-16.40	-1.79	-13.70	6.27	430.66	-380.07	87.40	-36.82 -
400.58												
		10	1.06	3.37	-12.09	3.37	-12.09	-0.05	422.42	-247.89	180.81	-6.28 -
321.84												
		119	1.22	7.64	2.70	6.66	3.68	-1.96	358.77	-436.92	153.53	-231.68 -
348.12												
52	23	123	2.02	3.38	-7.09	-2.02	-1.70	-5.23	785.25	-494.49	76.49	214.27
636.15												
		118	1.82	20.44	0.38	2.77	18.05	-6.50	472.11	-623.03	-32.26	-118.66
545.86												
		10	1.31	15.99	-4.69	-4.69	15.99	0.15	237.83	-613.76	-208.27	-167.66
425.31												
		119	1.56	-2.17	-9.30	-8.59	-2.88	2.14	507.37	-512.01	-160.33	155.69
484.58												
52	24	123	0.61	4.64	-13.49	-3.27	-5.58	-8.99	123.62	-177.32	-164.58	110.89 60.59
		118	1.04	32.71	-1.47	3.76	27.49	-12.30	285.53	-161.08	-150.38	274.83 68.29
		10	1.06	24.75	-8.40	-8.39	24.75	0.30	261.55	-154.41	-121.95	229.08
111.59												
		119	0.64	-5.88	-17.16	-15.26	-7.77	4.22	135.24	-168.48	-106.34	73.09
122.53												
52	25	123	0.84	14.64	-3.84	3.75	7.05	9.09	274.63	-205.85	242.64	-173.87
119.77												
		118	1.42	2.97	-29.45	-2.80	-23.68	12.40	218.94	-444.17	209.14	-434.37 80.01
		10	1.20	7.26	-21.35	7.26	-21.35	-0.19	96.91	-405.41	96.88	-405.38 -3.68
		119	0.46	16.01	6.47	13.66	8.82	-4.11	101.78	-154.03	100.59	-152.84 17.44
52	26	123	1.55	8.18	-2.52	2.50	3.16	5.34	338.80	-614.48	1.58	-277.25 -
455.79												
		118	1.35	1.04	-17.09	-1.82	-14.24	6.60	428.07	-377.93	91.01	-40.87 -
397.57												
		10	1.05	3.56	-12.59	3.56	-12.59	-0.05	418.86	-244.30	183.21	-8.64 -
317.40												
		119	1.22	8.00	2.91	6.99	3.92	-2.03	355.53	-436.39	154.58	-235.44 -
344.61												
52	27	123	3.50	9.83	-1.22	1.97	6.64	5.01	1458.19	-837.58	421.38	199.24
1142.50												

		118	3.35	4.35	-14.22	-0.40	-9.48	8.10	807.17	-1300.93	206.11	-699.87
951.75												
		10	2.27	4.51	-9.09	4.51	-9.09	-0.12	255.44	-1164.79	-190.88	-718.47
659.29												
		119	2.30	10.76	5.27	8.17	7.85	-2.74	771.55	-767.83	-127.39	131.12
758.76												
52	28	123	2.65	3.98	-14.69	-3.09	-7.62	-9.06	544.09	-1083.13	-390.96	-148.08
804.49												
		118	2.83	31.82	-3.19	3.07	25.55	-13.42	998.94	-571.81	-211.72	638.85
660.26												
		10	1.86	23.44	-9.08	-9.07	23.44	0.35	845.94	-145.29	80.91	619.74
416.00												
		119	1.54	-7.59	-18.76	-16.25	-10.10	4.66	441.78	-515.37	45.60	-119.19
471.43												
52	29	123	3.19	15.89	-3.24	3.57	9.08	9.16	1280.44	-726.32	469.02	85.10
984.85												
		118	3.34	4.78	-28.63	-2.11	-21.74	13.52	705.26	-1233.17	270.47	-798.39
808.56												
		10	2.23	7.95	-20.04	7.94	-20.04	-0.24	176.31	-1078.32	-105.97	-796.04
523.90												
		119	1.92	17.78	8.01	14.65	11.14	-4.56	607.12	-619.03	-51.35	39.44
611.40												
52	30	123	2.97	1.91	-8.57	-1.49	-5.18	-4.91	660.24	-1265.77	-343.31	-262.22
962.15												
		118	2.84	17.30	-2.65	1.35	13.30	-7.99	1070.43	-677.45	-147.35	540.33
803.46												
		10	1.89	12.49	-5.64	-5.64	12.48	0.22	936.61	-228.62	165.82	542.17
551.39												
		119	1.94	-5.09	-11.50	-9.77	-6.81	2.84	596.13	-685.35	121.64	-210.87
618.79												
52	31	123	3.50	9.68	-1.23	1.91	6.55	4.94	1456.75	-836.08	420.28	200.39
1141.13												
		118	3.34	4.26	-14.03	-0.42	-9.35	7.98	802.20	-1301.89	202.08	-701.77
950.03												
		10	2.26	4.43	-8.96	4.43	-8.96	-0.13	249.07	-1164.86	-194.20	-721.60
655.95												
		119	2.29	10.62	5.19	8.08	7.74	-2.71	767.79	-764.74	-128.51	131.56
755.15												
52	32	123	2.66	3.98	-14.84	-3.15	-7.71	-9.13	545.64	-1084.62	-392.06	-146.93
805.86												
		118	2.84	32.01	-3.28	3.05	25.68	-13.54	998.00	-576.79	-215.74	636.95
661.98												
		10	1.87	23.56	-9.15	-9.15	23.56	0.34	845.59	-151.38	77.59	616.61
419.34												
		119	1.55	-7.67	-18.89	-16.35	-10.21	4.69	444.87	-519.13	44.48	-118.75
475.04												
52	33	123	3.20	16.04	-3.24	3.64	9.17	9.24	1281.98	-727.91	470.12	83.95
986.22												
		118	3.35	4.87	-28.83	-2.09	-21.87	13.65	710.24	-1232.23	274.50	-796.48
810.28												
		10	2.23	8.02	-20.17	8.02	-20.16	-0.23	182.38	-1077.95	-102.65	-792.92
527.25												
		119	1.93	17.91	8.09	14.75	11.25	-4.59	611.01	-622.24	-50.23	39.00
615.01												
52	34	123	2.97	1.91	-8.42	-1.42	-5.08	-4.83	658.80	-1264.38	-342.21	-263.37
960.78												
		118	2.83	17.10	-2.56	1.37	13.16	-7.87	1071.40	-672.49	-143.33	542.23
801.74												
		10	1.88	12.36	-5.56	-5.56	12.36	0.23	936.63	-222.20	169.14	545.30
548.04												
		119	1.93	-5.00	-11.37	-9.68	-6.70	2.82	593.18	-681.73	122.76	-211.31
615.18												
52	35	123	3.44	8.54	-1.03	1.52	5.98	4.23	1441.01	-826.14	416.99	197.88
1128.27												
		118	3.26	3.92	-11.92	-0.30	-7.70	7.01	793.38	-1285.64	194.07	-686.33
941.70												
		10	2.21	3.89	-7.42	3.89	-7.42	-0.13	238.72	-1148.18	-198.86	-710.60
644.52												
		119	2.27	9.56	4.56	7.08	7.04	-2.50	765.96	-753.21	-130.89	143.64
747.08												
52	36	123	2.59	3.75	-13.36	-2.64	-6.97	-8.28	532.66	-1065.96	-386.57	-146.73
790.26												

		118	2.75	29.50	-2.76	2.97	23.77	-12.33	982.84	-557.20	-199.68	625.32	-650.21
		10	1.79	21.78	-8.46	-8.45	21.77	0.36	829.29	-128.53	88.89	611.87	-401.22
		119	1.50	-6.90	-17.54	-15.16	-9.28	4.43	427.25	-509.87	49.09	-131.71	-459.76
52	37	123	3.13	14.57	-3.02	3.13	8.43	8.39	1263.31	-714.93	464.64	83.74	970.62
		118	3.26	4.34	-26.31	-2.02	-19.95	12.43	690.58	-1217.01	258.43	-784.86	798.50
		10	2.16	7.33	-18.38	7.32	-18.37	-0.25	159.56	-1061.67	-113.95	-788.17	509.13
		119	1.88	16.56	7.32	13.56	10.33	-4.33	600.65	-603.54	-54.84	51.96	599.72
52	38	123	2.91	1.70	-7.26	-1.04	-4.52	-4.13	648.83	-1248.62	-338.92	-260.87	-947.92
		118	2.76	14.98	-2.21	1.26	11.51	-6.90	1055.45	-663.96	-135.32	526.80	-793.41
		10	1.83	10.82	-5.02	-5.02	10.82	0.23	920.13	-212.03	173.80	534.30	-536.61
		119	1.91	-4.40	-10.27	-8.68	-5.99	2.61	582.51	-680.76	125.14	-223.39	-607.12
52	39	123	3.43	8.39	-1.04	1.46	5.89	4.16	1439.57	-824.64	415.89	199.03	1126.90
		118	3.26	3.84	-11.72	-0.32	-7.56	6.89	788.40	-1286.60	190.04	-688.24	939.98
		10	2.20	3.81	-7.30	3.81	-7.30	-0.14	232.35	-1148.25	-202.18	-713.72	641.17
		119	2.26	9.43	4.48	6.98	6.93	-2.48	762.22	-750.14	-132.00	144.08	743.47
52	40	123	2.60	3.75	-13.51	-2.71	-7.06	-8.35	534.21	-1067.46	-387.67	-145.58	-791.63
		118	2.76	29.69	-2.85	2.95	23.90	-12.45	981.90	-562.19	-203.71	623.42	-651.93
		10	1.80	21.90	-8.53	-8.53	21.90	0.35	828.93	-134.62	85.57	608.74	-404.57
		119	1.51	-6.99	-17.66	-15.26	-9.39	4.46	430.31	-513.60	47.98	-131.27	-463.37
52	41	123	3.14	14.72	-3.01	3.19	8.52	8.46	1264.85	-716.52	465.74	82.59	971.99
		118	3.26	4.43	-26.51	-2.00	-20.08	12.56	695.57	-1216.06	262.46	-782.95	800.22
		10	2.16	7.40	-18.50	7.40	-18.50	-0.24	165.63	-1061.30	-110.63	-785.04	512.47
		119	1.89	16.69	7.41	13.66	10.44	-4.35	604.52	-606.73	-53.73	51.52	603.33
52	42	123	2.90	1.70	-7.11	-0.98	-4.43	-4.06	647.39	-1247.23	-337.82	-262.02	-946.55
		118	2.75	14.78	-2.13	1.28	11.38	-6.78	1056.42	-659.00	-131.29	528.70	-791.69
		10	1.82	10.70	-4.95	-4.94	10.69	0.24	920.14	-205.61	177.12	537.42	-533.27
		119	1.90	-4.32	-10.15	-8.58	-5.88	2.58	579.59	-677.17	126.25	-223.83	-603.51
52	43	123	1.65	2.73	-4.78	-1.26	-0.79	-3.75	644.92	-412.90	72.03	159.99	527.08
		118	1.49	15.49	0.73	2.32	13.90	-4.57	398.10	-512.35	-5.75	-108.50	452.31
		10	1.10	12.29	-3.48	-3.48	12.29	0.17	205.92	-508.81	-157.47	-145.43	357.31
		119	1.29	-1.20	-6.92	-6.44	-1.68	1.58	418.56	-431.28	-123.19	110.47	408.55
52	44	123	0.50	3.79	-10.46	-2.48	-4.19	-7.07	96.50	-139.84	-120.67	77.33	64.52
		118	0.79	26.23	-0.88	3.15	22.20	-9.65	223.61	-119.87	-105.16	208.89	69.56
		10	0.85	19.97	-6.71	-6.71	19.97	0.27	210.11	-126.41	-90.42	174.12	104.00
		119	0.55	-4.51	-13.67	-12.23	-5.95	3.34	118.47	-149.57	-82.45	51.36	116.12
52	45	123	0.71	11.61	-3.00	2.96	5.65	7.18	234.53	-176.11	198.74	-140.31	115.83
		118	1.17	2.38	-22.96	-2.20	-18.39	9.75	175.31	-379.83	163.91	-368.43	78.74
		10	0.98	5.58	-16.57	5.58	-16.57	-0.17	65.39	-350.46	65.36	-350.42	3.90

		119	0.37	12.52	5.10	10.63	6.99	-3.23	79.40	-133.80	76.70	-131.10	23.84
52	46	123	1.18	5.86	-1.87	1.75	2.25	3.85	256.67	-473.61	6.03	-222.97	-
346.73													
		118	1.02	0.67	-12.12	-1.36	-10.09	4.67	316.19	-302.73	64.50	-51.03	-
304.02													
		10	0.82	2.35	-8.89	2.35	-8.89	-0.06	313.20	-211.67	132.41	-30.87	-
249.41													
		119	0.95	5.60	1.96	4.84	2.72	-1.48	273.13	-345.90	117.44	-190.22	-
268.58													
52	47	123	1.64	2.78	-5.10	-1.37	-0.94	-3.93	640.95	-410.25	71.02	159.68	
523.72													
		118	1.49	16.03	0.64	2.34	14.33	-4.83	395.56	-509.58	-8.61	-105.41	
449.97													
		10	1.09	12.69	-3.63	-3.63	12.68	0.16	202.95	-505.39	-159.06	-143.38	
354.08													
		119	1.29	-1.37	-7.20	-6.70	-1.87	1.64	417.50	-428.08	-124.06	113.49	
405.76													
52	48	123	0.50	3.74	-10.14	-2.37	-4.03	-6.89	98.73	-140.75	-119.65	77.64	67.87
		118	0.77	25.68	-0.78	3.13	21.77	-9.39	221.75	-118.24	-102.29	205.80	71.90
		10	0.84	19.58	-6.56	-6.56	19.58	0.28	210.50	-127.24	-88.82	172.08	
107.24													
		119	0.55	-4.34	-13.38	-11.97	-5.75	3.28	118.88	-152.12	-81.58	48.34	
118.91													
52	49	123	0.70	11.29	-2.95	2.85	5.49	6.99	231.70	-174.60	197.72	-140.62	
112.48													
		118	1.16	2.28	-22.41	-2.17	-17.96	9.49	171.91	-376.20	161.05	-365.33	76.40
		10	0.96	5.43	-16.18	5.43	-16.18	-0.17	63.76	-348.38	63.76	-348.38	0.67
		119	0.36	12.22	4.94	10.37	6.80	-3.18	77.98	-130.24	75.83	-128.09	21.05
52	50	123	1.18	6.18	-1.92	1.86	2.41	4.04	254.26	-469.88	7.05	-222.67	-
343.37													
		118	1.02	0.77	-12.67	-1.39	-10.51	4.93	314.36	-301.11	67.37	-54.13	-
301.68													
		10	0.82	2.50	-9.29	2.50	-9.29	-0.06	310.48	-209.40	134.00	-32.92	-
246.18													
		119	0.94	5.89	2.13	5.10	2.92	-1.53	270.62	-345.54	118.31	-193.23	-
265.79													
52	51	123	1.64	2.72	-5.17	-1.42	-1.02	-3.94	640.11	-408.57	68.85	162.69	
522.23													
		118	1.49	15.98	0.51	2.25	14.24	-4.89	384.54	-514.20	-16.30	-113.36	
446.74													
		10	1.08	12.62	-3.68	-3.68	12.62	0.14	188.23	-507.32	-165.81	-153.28	
347.72													
		119	1.27	-1.45	-7.22	-6.70	-1.97	1.66	408.18	-422.64	-125.91	111.45	
398.10													
52	52	123	0.50	3.78	-10.85	-2.64	-4.42	-7.26	96.21	-140.03	-123.85	80.03	59.67
		118	0.80	26.74	-1.11	3.09	22.54	-9.97	216.36	-128.04	-115.71	204.04	63.98
		10	0.84	20.30	-6.91	-6.91	20.30	0.25	196.46	-128.95	-98.76	166.27	94.41
		119	0.53	-4.74	-13.99	-12.49	-6.24	3.41	109.65	-142.49	-85.17	52.33	
105.67													
52	53	123	0.73	12.00	-2.99	3.12	5.88	7.37	239.95	-181.04	201.92	-143.01	
120.68													
		118	1.19	2.62	-23.48	-2.13	-18.73	10.07	187.37	-376.48	174.47	-363.57	84.31
		10	0.98	5.78	-16.90	5.78	-16.90	-0.14	74.14	-343.01	73.70	-342.57	13.50
		119	0.37	12.85	5.32	10.89	7.29	-3.31	84.84	-137.50	79.41	-132.08	34.29
52	54	123	1.18	6.25	-1.86	1.91	2.48	4.04	253.26	-469.72	9.22	-225.67	-
341.88													
		118	1.01	0.90	-12.63	-1.30	-10.43	5.00	318.98	-290.10	75.06	-46.18	-
298.45													
		10	0.80	2.55	-9.22	2.55	-9.22	-0.03	312.27	-194.55	140.75	-23.02	-
239.81													
		119	0.92	5.93	2.19	5.10	3.01	-1.55	265.92	-336.96	120.16	-191.20	-
258.13													
52	55	123	1.64	2.77	-5.48	-1.53	-1.18	-4.12	636.13	-405.92	67.83	162.38	
518.88													
		118	1.49	16.53	0.42	2.28	14.67	-5.15	382.01	-511.44	-19.17	-110.26	
444.40													
		10	1.07	13.01	-3.83	-3.83	13.01	0.13	185.26	-503.90	-167.40	-151.23	
344.49													
		119	1.26	-1.62	-7.51	-6.96	-2.16	1.71	407.15	-419.46	-126.78	114.47	
395.31													
52	56	123	0.50	3.73	-10.53	-2.53	-4.26	-7.08	98.30	-140.80	-122.84	80.34	63.03
		118	0.79	26.19	-1.01	3.07	22.11	-9.71	214.38	-126.29	-112.85	200.94	66.32

		10	0.83	19.90	-6.76	-6.76	19.90	0.25	196.68	-129.61	-97.17	164.23	97.64
		119	0.53	-4.57	-13.70	-12.23	-6.05	3.36	109.90	-144.87	-84.29	49.32	108.46
52	57	123	0.72	11.68	-2.94	3.01	5.73	7.18	237.09	-179.51	200.90	-143.32	117.33
		118	1.18	2.52	-22.93	-2.11	-18.30	9.82	183.95	-372.82	171.60	-360.48	81.97
		10	0.97	5.63	-16.51	5.63	-16.51	-0.14	72.36	-340.79	72.11	-340.53	10.26
		119	0.37	12.56	5.16	10.63	7.09	-3.25	83.22	-133.74	78.54	-129.07	31.50
52	58	123	1.17	6.57	-1.91	2.02	2.64	4.23	250.87	-466.00	10.23	-225.37	-338.52
		118	1.02	1.01	-13.18	-1.32	-10.85	5.25	317.18	-288.53	77.92	-49.27	-296.10
		10	0.80	2.70	-9.61	2.70	-9.61	-0.03	309.59	-192.31	142.34	-25.07	-236.58
		119	0.92	6.22	2.35	5.36	3.21	-1.61	263.48	-336.67	121.03	-194.21	-255.34
52	59	123	2.83	7.92	-0.85	1.63	5.43	3.95	1173.93	-681.41	341.20	151.32	922.80
		118	2.70	3.57	-10.89	-0.24	-7.08	6.37	652.37	-1052.53	169.61	-569.77	768.11
		10	1.83	3.46	-6.77	3.46	-6.77	-0.08	197.75	-945.44	-157.70	-589.99	529.15
		119	1.86	8.46	4.16	6.28	6.35	-2.15	619.85	-625.72	-100.76	94.89	615.06
52	60	123	2.05	3.18	-11.49	-2.42	-5.90	-7.13	412.68	-838.04	-301.15	-124.21	-619.07
		118	2.19	25.45	-2.32	2.55	20.58	-10.56	766.07	-439.62	-161.75	488.21	-507.75
		10	1.43	18.83	-7.31	-7.31	18.82	0.28	646.34	-105.37	65.79	475.18	-315.22
		119	1.18	-5.96	-14.94	-13.00	-7.90	3.70	332.60	-399.73	35.04	-102.16	-359.68
52	61	123	2.59	12.70	-2.44	2.90	7.36	7.23	1035.30	-594.86	379.21	61.23	799.43
		118	2.70	3.91	-22.27	-1.59	-16.77	10.66	573.06	-1000.29	220.51	-647.75	656.04
		10	1.79	6.18	-15.43	6.18	-15.43	-0.18	136.39	-878.73	-90.85	-651.48	423.13
		119	1.56	13.97	6.38	11.40	8.95	-3.59	491.46	-509.83	-40.79	22.42	499.65
52	62	123	2.30	1.54	-6.66	-1.15	-3.97	-3.85	504.13	-981.57	-263.14	-214.30	-742.45
		118	2.19	13.96	-1.87	1.19	10.90	-6.26	822.04	-522.67	-110.86	410.23	-619.82
		10	1.45	10.17	-4.59	-4.59	10.17	0.18	717.23	-170.91	132.64	413.68	-421.25
		119	1.50	-3.99	-9.19	-7.88	-5.30	2.26	454.04	-533.67	95.01	-174.64	-475.09
52	63	123	2.82	7.80	-0.86	1.58	5.36	3.90	1172.32	-679.95	340.25	152.13	921.35
		118	2.69	3.49	-10.73	-0.26	-6.98	6.27	648.18	-1052.96	166.44	-571.23	766.44
		10	1.82	3.40	-6.67	3.40	-6.67	-0.09	192.63	-945.17	-160.20	-592.34	526.27
		119	1.85	8.36	4.10	6.20	6.26	-2.13	616.58	-622.98	-101.57	95.18	611.92
52	64	123	2.05	3.18	-11.61	-2.46	-5.97	-7.18	414.18	-839.68	-302.10	-123.40	-620.53
		118	2.20	25.60	-2.39	2.53	20.68	-10.65	765.63	-443.80	-164.92	486.75	-509.42
		10	1.44	18.93	-7.37	-7.37	18.92	0.28	646.37	-110.25	63.29	472.83	-318.10
		119	1.19	-6.03	-15.04	-13.08	-7.99	3.72	335.32	-402.96	34.23	-101.87	-362.82
52	65	123	2.59	12.82	-2.43	2.95	7.43	7.29	1036.97	-596.39	380.17	60.42	800.88
		118	2.70	3.98	-22.42	-1.57	-16.87	10.76	577.23	-999.85	223.68	-646.29	657.71
		10	1.80	6.24	-15.53	6.24	-15.53	-0.17	141.26	-878.74	-88.35	-649.13	426.01
		119	1.57	14.07	6.44	11.48	9.04	-3.62	494.81	-512.67	-39.98	22.12	502.78

52	66	123	2.29	1.54	-6.54	-1.10	-3.90	-3.79	502.72	-980.01	-262.18	-215.11	-740.99
		118	2.18	13.81	-1.80	1.21	10.79	-6.16	822.48	-518.48	-107.69	411.69	-618.15
		10	1.44	10.07	-4.53	-4.53	10.07	0.19	716.91	-165.72	135.14	416.04	-418.37
		119	1.49	-3.93	-9.09	-7.80	-5.22	2.23	451.44	-530.54	95.82	-174.93	-471.96
52	67	123	2.77	6.89	-0.72	1.27	4.90	3.34	1160.47	-672.37	337.81	150.29	911.61
		118	2.63	3.25	-9.07	-0.16	-5.66	5.51	641.43	-1040.83	160.06	-559.46	760.31
		10	1.78	2.96	-5.46	2.96	-5.46	-0.09	186.23	-932.42	-163.02	-583.17	518.37
		119	1.83	7.52	3.58	5.41	5.69	-1.97	615.32	-614.04	-103.66	104.94	605.77
52	68	123	2.00	3.01	-10.43	-2.05	-5.37	-6.51	403.65	-824.59	-297.75	-123.19	-607.89
		118	2.12	23.61	-1.98	2.47	19.16	-9.70	753.78	-428.08	-152.20	477.90	-499.94
		10	1.38	17.52	-6.81	-6.81	17.51	0.29	633.25	-93.77	71.11	468.37	-304.45
		119	1.15	-5.41	-13.97	-12.13	-7.25	3.51	321.21	-395.48	37.94	-112.22	-350.39
52	69	123	2.54	11.64	-2.27	2.53	6.83	6.62	1021.89	-585.87	375.82	60.20	788.24
		118	2.63	3.57	-20.43	-1.51	-15.35	9.80	561.46	-987.93	210.96	-637.44	648.24
		10	1.74	5.68	-14.12	5.68	-14.12	-0.19	124.80	-865.65	-96.17	-644.67	412.35
		119	1.53	13.00	5.82	10.53	8.29	-3.41	486.22	-497.44	-43.69	32.47	490.36
52	70	123	2.25	1.38	-5.61	-0.78	-3.44	-3.23	495.12	-968.14	-259.74	-213.28	-731.26
		118	2.13	12.13	-1.54	1.11	9.48	-5.40	810.65	-512.03	-101.30	399.92	-612.02
		10	1.40	8.86	-4.09	-4.09	8.86	0.19	704.35	-159.52	137.96	406.87	-410.47
		119	1.47	-3.44	-8.21	-7.01	-4.65	2.07	443.37	-530.15	97.91	-184.69	-465.80
52	71	123	2.77	6.77	-0.72	1.22	4.83	3.28	1158.86	-670.91	336.85	151.10	910.16
		118	2.63	3.17	-8.91	-0.18	-5.56	5.41	637.24	-1041.26	156.89	-560.91	758.64
		10	1.77	2.90	-5.36	2.90	-5.36	-0.10	181.11	-932.16	-165.52	-585.53	515.50
		119	1.82	7.42	3.52	5.33	5.60	-1.94	612.07	-611.31	-104.48	105.24	602.63
52	72	123	2.00	3.01	-10.55	-2.10	-5.44	-6.57	405.14	-826.23	-298.71	-122.38	-609.34
		118	2.13	23.77	-2.05	2.45	19.26	-9.80	753.34	-432.27	-155.37	476.44	-501.62
		10	1.38	17.62	-6.87	-6.87	17.61	0.29	633.28	-98.66	68.61	466.02	-307.32
		119	1.16	-5.48	-14.07	-12.21	-7.34	3.54	323.90	-398.69	37.13	-111.92	-353.53
52	73	123	2.54	11.76	-2.27	2.58	6.91	6.67	1023.56	-587.40	376.77	59.39	789.69
		118	2.64	3.64	-20.59	-1.49	-15.45	9.90	565.64	-987.49	214.12	-635.98	649.91
		10	1.75	5.74	-14.22	5.74	-14.21	-0.18	129.67	-865.66	-93.67	-642.32	415.23
		119	1.54	13.10	5.89	10.61	8.38	-3.43	489.56	-500.27	-42.88	32.18	493.49
52	74	123	2.24	1.39	-5.49	-0.73	-3.37	-3.18	493.71	-966.59	-258.79	-214.09	-729.81
		118	2.12	11.97	-1.46	1.13	9.37	-5.31	811.09	-507.85	-98.14	401.38	-610.34
		10	1.39	8.76	-4.03	-4.03	8.76	0.20	704.02	-154.33	140.46	409.23	-407.59
		119	1.46	-3.38	-8.11	-6.93	-4.56	2.05	440.80	-527.05	98.73	-184.98	-462.67

52	75	123	1.41	2.34	-3.86	-1.00	-0.52	-3.09	549.61	-356.27	66.43	126.91	451.93
		118	1.28	13.10	0.72	2.00	11.82	-3.76	339.21	-442.25	0.42	-103.45	387.27
		10	0.94	10.45	-2.98	-2.97	10.45	0.15	171.33	-439.18	-132.40	-135.45	305.26
		119	1.10	-0.91	-5.84	-5.46	-1.29	1.32	353.68	-371.66	-102.45	84.47	350.42
52	76	123	0.44	3.21	-8.55	-2.00	-3.33	-5.84	85.75	-120.00	-92.85	58.60	69.64
		118	0.63	21.97	-0.60	2.69	18.68	-7.96	178.23	-101.08	-81.74	158.89	70.91
		10	0.70	16.80	-5.65	-5.64	16.80	0.24	166.24	-114.82	-77.13	128.55	95.77
		119	0.48	-3.66	-11.41	-10.24	-4.83	2.77	104.03	-137.19	-68.76	35.59	108.74
52	77	123	0.63	9.70	-2.41	2.49	4.79	5.94	208.10	-158.77	170.92	-121.59	110.72
		118	1.01	2.10	-18.70	-1.74	-14.87	8.07	153.19	-331.12	140.49	-318.43	77.38
		10	0.83	4.52	-13.40	4.51	-13.40	-0.13	52.48	-305.26	52.07	-304.85	12.13
		119	0.32	10.26	4.26	8.64	5.87	-2.66	68.32	-120.65	63.01	-115.34	31.22
52	78	123	0.94	4.94	-1.47	1.49	1.98	3.20	200.54	-378.79	11.64	-189.89	-271.58
		118	0.81	0.68	-9.73	-1.05	-8.01	3.87	246.85	-244.60	58.34	-56.08	-238.97
		10	0.67	1.85	-7.06	1.85	-7.06	-0.04	244.04	-177.56	107.34	-40.85	-197.35
		119	0.76	4.53	1.67	3.86	2.34	-1.21	213.85	-281.37	96.70	-164.22	-210.45
52	79	123	1.40	2.38	-4.12	-1.09	-0.65	-3.24	546.31	-354.07	65.59	126.65	449.16
		118	1.28	13.55	0.65	2.02	12.17	-3.98	337.07	-439.91	-1.95	-100.89	385.33
		10	0.94	10.78	-3.10	-3.10	10.78	0.14	168.81	-436.32	-133.73	-133.77	302.57
		119	1.10	-1.06	-6.08	-5.68	-1.46	1.36	352.76	-368.97	-103.17	86.96	348.12
52	80	123	0.44	3.16	-8.28	-1.91	-3.20	-5.69	87.99	-121.14	-92.01	58.86	72.41
		118	0.61	21.51	-0.51	2.67	18.33	-7.75	177.02	-100.07	-79.37	156.33	72.85
		10	0.69	16.48	-5.52	-5.52	16.47	0.24	166.82	-115.75	-75.80	126.87	98.46
		119	0.48	-3.53	-11.17	-10.03	-4.66	2.72	104.55	-139.48	-68.04	33.10	111.04
52	81	123	0.62	9.43	-2.37	2.40	4.66	5.79	205.66	-157.42	170.08	-121.84	107.94
		118	0.99	2.01	-18.25	-1.72	-14.51	7.85	150.33	-328.07	138.12	-315.86	75.44
		10	0.81	4.39	-13.08	4.39	-13.08	-0.13	50.99	-303.42	50.74	-303.17	9.45
		119	0.31	10.02	4.12	8.43	5.71	-2.62	66.94	-117.50	62.29	-112.85	28.92
52	82	123	0.94	5.20	-1.51	1.58	2.12	3.35	198.59	-375.75	12.48	-189.64	-268.80
		118	0.81	0.76	-10.19	-1.07	-8.36	4.08	245.46	-243.40	60.70	-58.65	-237.04
		10	0.66	1.97	-7.38	1.97	-7.38	-0.04	241.90	-175.75	108.67	-42.53	-194.66
		119	0.75	4.77	1.81	4.08	2.50	-1.26	211.87	-281.16	97.42	-166.71	-208.15
52	83	123	1.40	2.32	-4.18	-1.14	-0.72	-3.25	545.65	-352.68	63.82	129.16	447.97
		118	1.27	13.51	0.54	1.95	12.10	-4.03	327.96	-443.83	-8.34	-107.53	382.70
		10	0.93	10.72	-3.14	-3.14	10.72	0.12	156.64	-438.00	-139.34	-142.03	297.32
		119	1.08	-1.12	-6.09	-5.68	-1.54	1.38	345.03	-364.44	-104.70	85.29	341.78
52	84	123	0.44	3.20	-8.87	-2.14	-3.53	-5.99	84.78	-119.40	-95.46	60.85	65.68
		118	0.64	22.39	-0.79	2.64	18.96	-8.23	171.61	-107.29	-90.50	154.81	66.34
		10	0.69	17.07	-5.81	-5.81	17.07	0.21	154.33	-116.43	-84.07	121.97	87.83
		119	0.47	-3.86	-11.67	-10.46	-5.07	2.83	96.30	-130.90	-71.01	36.41	100.10
52	85	123	0.65	10.02	-2.41	2.62	4.99	6.10	212.62	-162.92	173.53	-123.84	114.67
		118	1.02	2.30	-19.13	-1.68	-15.15	8.33	163.31	-328.41	149.25	-314.35	81.95
		10	0.83	4.68	-13.67	4.68	-13.67	-0.11	60.13	-299.40	59.01	-298.27	20.07
		119	0.34	10.53	4.44	8.86	6.11	-2.72	73.63	-124.53	65.26	-116.16	39.86
52	86	123	0.94	5.26	-1.46	1.62	2.18	3.35	197.88	-375.77	14.25	-192.14	-267.62

		118	0.80	0.87	-10.16	-0.99	-8.29	4.14	249.40	-234.31	67.10	-52.01	-234.40
		10	0.65	2.01	-7.33	2.01	-7.33	-0.02	243.45	-163.45	114.27	-34.27	-189.41
		119	0.74	4.81	1.85	4.08	2.58	-1.27	208.10	-274.19	98.95	-165.04	-201.81
52	87	123	1.40	2.36	-4.44	-1.23	-0.85	-3.40	542.36	-350.48	62.97	128.90	445.20
		118	1.27	13.96	0.47	1.97	12.45	-4.24	325.83	-441.50	-10.71	-104.96	380.76
		10	0.92	11.05	-3.26	-3.26	11.05	0.12	154.12	-435.14	-140.67	-140.35	294.63
		119	1.08	-1.26	-6.33	-5.89	-1.70	1.42	344.14	-361.77	-105.42	87.78	339.48
52	88	123	0.44	3.16	-8.60	-2.05	-3.40	-5.84	86.92	-120.43	-94.62	61.11	68.45
		118	0.62	21.94	-0.71	2.62	18.61	-8.01	170.29	-106.17	-88.13	152.25	68.28
		10	0.68	16.75	-5.69	-5.68	16.74	0.22	154.79	-117.23	-82.73	120.29	90.52
		119	0.47	-3.72	-11.43	-10.24	-4.91	2.78	96.71	-133.08	-70.29	33.92	102.40
52	89	123	0.64	9.76	-2.36	2.53	4.86	5.95	210.15	-161.56	172.69	-124.09	111.90
		118	1.01	2.21	-18.67	-1.66	-14.80	8.12	160.44	-325.34	146.88	-311.79	80.01
		10	0.82	4.55	-13.35	4.55	-13.35	-0.11	58.52	-297.45	57.67	-296.60	17.38
		119	0.33	10.29	4.30	8.64	5.95	-2.68	72.13	-121.26	64.54	-113.67	37.56
52	90	123	0.94	5.53	-1.50	1.71	2.31	3.50	195.95	-372.74	15.09	-191.89	-264.85
		118	0.80	0.96	-10.61	-1.01	-8.64	4.35	248.04	-233.15	69.46	-54.57	-232.47
		10	0.65	2.13	-7.65	2.13	-7.65	-0.02	241.34	-161.69	115.61	-35.95	-186.72
		119	0.74	5.05	1.99	4.29	2.74	-1.32	206.18	-274.04	99.67	-167.53	-199.51
52	91	123	2.38	6.66	-0.65	1.39	4.62	3.28	987.32	-578.87	288.83	119.62	778.52
		118	2.27	3.11	-8.74	-0.11	-5.52	5.27	550.68	-890.15	145.29	-484.76	647.88
		10	1.55	2.76	-5.30	2.76	-5.30	-0.06	166.38	-801.43	-132.31	-502.74	447.06
		119	1.57	6.97	3.42	5.05	5.33	-1.77	520.28	-532.57	-83.85	71.56	520.65
52	92	123	1.65	2.69	-9.40	-1.95	-4.75	-5.88	325.23	-675.39	-242.11	-108.06	-495.80
		118	1.76	21.32	-1.78	2.19	17.34	-8.72	612.76	-351.60	-128.56	389.72	-406.63
		10	1.15	15.86	-6.14	-6.14	15.86	0.24	513.87	-84.71	51.91	377.26	-251.22
		119	0.95	-4.88	-12.45	-10.88	-6.44	3.07	259.71	-322.62	28.46	-91.37	-284.93
52	93	123	2.18	10.60	-1.95	2.44	6.21	5.99	872.63	-507.38	320.18	45.07	676.15
		118	2.27	3.37	-18.13	-1.23	-13.53	8.82	485.04	-846.98	187.31	-549.25	554.92
		10	1.52	5.01	-12.46	5.01	-12.46	-0.14	115.73	-746.26	-76.97	-553.56	359.12
		119	1.32	11.48	5.29	9.28	7.48	-2.96	414.22	-436.81	-34.21	11.62	424.90
52	94	123	1.85	1.34	-5.40	-0.91	-3.15	-3.17	401.65	-795.01	-210.76	-182.60	-598.16
		118	1.77	11.82	-1.42	1.07	9.34	-5.17	659.69	-421.01	-86.54	325.22	-499.59
		10	1.17	8.70	-3.89	-3.89	8.70	0.16	573.27	-139.58	107.25	326.44	-339.16
		119	1.21	-3.26	-7.69	-6.65	-4.29	1.87	360.99	-434.20	78.10	-151.31	-380.69
52	95	123	2.38	6.56	-0.65	1.35	4.56	3.23	986.01	-577.67	288.04	120.30	777.33
		118	2.27	3.05	-8.62	-0.13	-5.44	5.19	547.21	-890.53	142.66	-485.98	646.51
		10	1.54	2.71	-5.22	2.71	-5.22	-0.06	162.14	-801.24	-134.39	-504.71	444.68
		119	1.56	6.88	3.37	4.99	5.26	-1.75	517.57	-530.29	-84.53	71.81	518.06

52	96	123	1.65	2.69	-9.49	-1.99	-4.81	-5.93	326.45	-676.72	-242.89	-107.38	-496.99
		118	1.77	21.44	-1.84	2.17	17.43	-8.80	612.37	-355.06	-131.19	388.49	-408.00
		10	1.16	15.94	-6.19	-6.19	15.94	0.24	513.88	-88.76	49.83	375.29	-253.60
		119	0.95	-4.93	-12.53	-10.95	-6.51	3.08	261.94	-325.27	27.79	-91.12	-287.52
52	97	123	2.19	10.70	-1.95	2.48	6.27	6.03	873.99	-508.63	320.96	44.40	677.34
		118	2.28	3.43	-18.26	-1.22	-13.61	8.90	488.49	-846.58	189.94	-548.03	556.29
		10	1.52	5.06	-12.54	5.06	-12.54	-0.13	119.77	-746.25	-74.89	-551.59	361.51
		119	1.33	11.56	5.34	9.35	7.56	-2.98	417.00	-439.16	-33.54	11.37	427.49
52	98	123	1.85	1.34	-5.30	-0.87	-3.10	-3.13	400.50	-793.75	-209.98	-183.28	-596.98
		118	1.76	11.69	-1.36	1.08	9.25	-5.09	660.08	-417.55	-83.91	326.45	-498.22
		10	1.16	8.62	-3.84	-3.84	8.62	0.17	573.01	-135.27	109.33	328.41	-336.77
		119	1.20	-3.20	-7.60	-6.59	-4.22	1.85	358.86	-431.64	78.77	-151.56	-378.10
52	99	123	2.34	5.81	-0.54	1.09	4.18	2.77	976.20	-571.41	286.02	118.77	769.27
		118	2.22	2.85	-7.24	-0.05	-4.35	4.56	541.62	-880.43	137.40	-476.21	641.43
		10	1.51	2.35	-4.22	2.35	-4.22	-0.06	156.76	-790.67	-136.76	-497.15	438.10
		119	1.55	6.20	2.93	4.34	4.79	-1.62	516.48	-522.85	-86.24	79.87	512.98
52	100	123	1.60	2.55	-8.52	-1.65	-4.31	-5.37	317.76	-664.27	-239.30	-107.21	-486.55
		118	1.71	19.80	-1.51	2.12	16.17	-8.01	602.58	-342.08	-120.67	381.17	-400.17
		10	1.11	14.77	-5.73	-5.72	14.77	0.25	503.05	-75.03	56.36	371.66	-242.26
		119	0.92	-4.42	-11.64	-10.17	-5.90	2.91	250.43	-319.25	30.85	-99.67	-277.26
52	101	123	2.14	9.73	-1.82	2.14	5.78	5.48	861.54	-499.95	317.37	44.22	666.91
		118	2.22	3.09	-16.62	-1.17	-12.36	8.11	475.45	-836.73	179.42	-540.71	548.46
		10	1.47	4.60	-11.38	4.60	-11.37	-0.15	106.06	-735.44	-81.42	-547.96	350.17
		119	1.30	10.68	4.83	8.57	6.94	-2.81	409.84	-426.53	-36.61	19.92	417.23
52	102	123	1.81	1.20	-4.53	-0.60	-2.72	-2.66	394.21	-783.92	-207.95	-181.75	-588.92
		118	1.71	10.30	-1.14	1.00	8.16	-4.46	650.29	-412.26	-78.65	316.68	-493.14
		10	1.13	7.62	-3.48	-3.48	7.62	0.17	562.63	-130.09	111.70	320.84	-330.20
		119	1.19	-2.80	-6.88	-5.94	-3.75	1.72	352.30	-431.42	80.49	-159.61	-373.02
52	103	123	2.34	5.71	-0.54	1.05	4.12	2.72	974.88	-570.20	285.24	119.45	768.08
		118	2.21	2.79	-7.12	-0.06	-4.26	4.48	538.16	-880.82	134.77	-477.44	640.06
		10	1.50	2.30	-4.14	2.30	-4.14	-0.07	152.51	-790.47	-138.84	-499.12	435.72
		119	1.54	6.11	2.88	4.27	4.72	-1.60	513.78	-520.58	-86.92	80.11	510.39
52	104	123	1.61	2.55	-8.62	-1.69	-4.37	-5.42	318.98	-665.60	-240.09	-106.53	-487.74
		118	1.71	19.92	-1.56	2.11	16.25	-8.09	602.19	-345.54	-123.30	379.95	-401.54
		10	1.11	14.86	-5.78	-5.77	14.85	0.25	503.05	-79.08	54.28	369.69	-244.64
		119	0.93	-4.48	-11.73	-10.23	-5.97	2.93	252.64	-321.88	30.18	-99.42	-279.85

52	105	123	2.15	9.83	-1.82	2.18	5.83	5.53	862.91	-501.21	318.15	43.55	668.09
		118	2.22	3.15	-16.74	-1.15	-12.44	8.19	478.91	-836.34	182.05	-539.48	549.83
		10	1.48	4.65	-11.46	4.64	-11.46	-0.14	110.10	-735.43	-79.34	-545.99	352.55
		119	1.31	10.76	4.88	8.63	7.02	-2.83	412.61	-428.87	-35.93	19.68	419.82
52	106	123	1.81	1.21	-4.43	-0.56	-2.66	-2.62	393.06	-782.66	-207.17	-182.43	-587.73
		118	1.71	10.17	-1.08	1.02	8.08	-4.38	650.68	-408.80	-76.02	317.90	-491.77
		10	1.12	7.54	-3.43	-3.43	7.53	0.18	562.37	-125.77	113.78	322.82	-327.82
		119	1.18	-2.75	-6.80	-5.87	-3.68	1.70	350.19	-428.88	81.17	-159.86	-370.43
53	1	120	0.19	0.75	-0.08	-0.06	0.73	0.12	95.49	-20.83	30.21	44.44	57.72
		123	0.15	0.37	-0.17	-0.14	0.34	0.12	46.25	-57.23	15.94	-26.92	47.09
		119	0.07	0.41	-7.21e-03	0.03	0.38	0.12	-2.07	-42.25	-11.85	-32.48	17.24
		3	0.11	0.78	0.09	0.11	0.76	0.12	53.96	-12.65	2.43	38.88	27.87
53	2	120	0.55	-1.69	-3.31	-1.69	-3.31	-0.09	236.83	-139.74	96.50	0.59	182.07
		123	0.41	1.23	-0.79	-0.79	1.22	-0.09	151.95	-120.59	85.55	-54.19	117.00
		119	0.32	1.58	0.92	0.93	1.57	-0.09	7.70	-180.50	-84.58	-88.22	94.08
		3	0.48	0.03	-2.97	0.03	-2.96	-0.09	106.89	-213.96	-73.63	-33.44	159.16
53	3	120	0.14	0.65	-0.03	-0.02	0.64	0.09	71.06	-14.05	21.99	35.01	42.05
		123	0.11	0.27	-0.12	-0.10	0.25	0.09	33.60	-42.84	10.95	-20.19	34.91
		119	0.05	0.30	-0.03	4.87e-03	0.27	0.09	-1.52	-30.16	-7.74	-23.93	11.81
		3	0.08	0.67	0.07	0.08	0.66	0.09	40.85	-6.27	3.30	31.28	18.96
53	4	120	0.51	-1.64	-3.41	-1.65	-3.40	-0.12	213.07	-133.63	88.28	-8.84	166.41
		123	0.37	1.14	-0.75	-0.74	1.13	-0.12	139.36	-106.26	80.56	-47.46	104.81
		119	0.30	1.48	0.89	0.91	1.46	-0.12	8.58	-168.73	-80.48	-79.67	88.65
		3	0.45	9.98e-03	-3.07	5.48e-03	-3.07	-0.12	94.18	-207.99	-72.75	-41.05	150.25
53	5	120	0.14	0.61	-0.05	-0.04	0.59	0.09	72.40	-15.16	22.70	34.55	43.38
		123	0.11	0.28	-0.12	-0.10	0.26	0.09	34.72	-43.51	11.69	-20.48	35.65
		119	0.05	0.31	-0.01	0.01	0.28	0.09	-1.57	-31.48	-8.52	-24.53	12.63
		3	0.08	0.63	0.07	0.08	0.62	0.09	41.21	-8.22	2.49	30.50	20.36
53	6	120	0.38	-1.12	-2.10	-1.12	-2.10	-0.05	166.08	-93.88	66.89	5.31	126.28
		123	0.29	0.85	-0.54	-0.53	0.84	-0.05	105.14	-85.71	58.10	-38.66	82.25
		119	0.22	1.08	0.61	0.62	1.07	-0.05	4.56	-123.25	-57.01	-61.68	63.86
		3	0.32	0.03	-1.87	0.03	-1.87	-0.05	76.00	-141.92	-48.21	-17.71	107.89
53	7	120	0.14	0.61	-0.05	-0.04	0.59	0.09	72.40	-15.16	22.70	34.55	43.38
		123	0.11	0.28	-0.12	-0.10	0.26	0.09	34.72	-43.51	11.69	-20.48	35.65
		119	0.05	0.31	-0.01	0.01	0.28	0.09	-1.57	-31.48	-8.52	-24.53	12.63
		3	0.08	0.63	0.07	0.08	0.62	0.09	41.21	-8.22	2.49	30.50	20.36
53	8	120	0.31	-0.80	-1.29	-0.80	-1.29	-6.86e-03	137.18	-69.47	53.63	14.08	101.41
		123	0.23	0.67	-0.40	-0.40	0.67	-6.86e-03	83.96	-72.99	44.17	-33.21	68.27
		119	0.17	0.84	0.44	0.44	0.84	-6.86e-03	2.16	-95.16	-42.46	-50.54	48.49
		3	0.24	0.05	-1.12	0.05	-1.12	-6.86e-03	64.85	-101.10	-33.00	-3.25	81.63
53	9	120	0.14	0.61	-0.05	-0.04	0.59	0.09	72.40	-15.16	22.70	34.55	43.38
		123	0.11	0.28	-0.12	-0.10	0.26	0.09	34.72	-43.51	11.69	-20.48	35.65
		119	0.05	0.31	-0.01	0.01	0.28	0.09	-1.57	-31.48	-8.52	-24.53	12.63
		3	0.08	0.63	0.07	0.08	0.62	0.09	41.21	-8.22	2.49	30.50	20.36
53	10	120	0.28	-0.69	-1.02	-0.69	-1.02	7.28e-03	127.61	-61.40	49.21	17.00	93.12
		123	0.22	0.61	-0.36	-0.36	0.61	7.28e-03	76.90	-68.76	39.53	-31.39	63.61
		119	0.15	0.76	0.38	0.38	0.76	7.28e-03	1.40	-85.83	-37.61	-46.82	43.37
		3	0.22	0.05	-0.87	0.05	-0.87	7.28e-03	61.18	-87.53	-27.93	1.57	72.88
53	11	120	3.53	-1.37	-35.22	-5.03	-31.57	-10.51	1528.10	-457.63	60.62	1009.85	872.08
		123	2.28	10.42	-9.83	1.21	-0.63	-10.08	717.10	-657.70	-33.57	92.97	684.48
		119	1.45	4.22	-1.38	3.09	-0.25	2.25	312.89	-658.66	-460.02	114.25	391.83
		3	2.90	-3.06	-31.31	-3.17	-31.20	1.77	981.08	-853.67	-480.08	607.49	

738.83													
53	12	120	1.50	-3.50	-72.38	-10.48	-65.40	-20.78	27.37	-431.24	-191.25	-212.63	
229.06													
		123	0.60	18.32	-21.01	1.83	-4.51	-19.41	29.08	9.46	14.60	23.93	8.63
		119	0.67	8.75	-6.19	6.28	-3.72	5.55	129.24	-301.18	-241.49	69.55	
148.76													
		3	2.25	-5.67	-64.76	-5.94	-64.49	3.99	-39.64	-995.52	-516.15	-519.01	
477.94													
53	13	120	1.36	70.41	2.05	9.10	63.36	20.79	316.07	220.23	289.67	246.63	-42.82
		123	0.91	21.45	-18.27	-2.55	5.73	19.42	129.51	-151.76	64.47	-86.72	
118.60													
		119	0.63	7.57	-7.86	-5.53	5.23	-5.53	177.56	-174.48	166.27	-163.19	-62.02
		3	1.98	63.02	5.76	6.04	62.74	-3.98	824.84	157.60	460.28	522.16	-
332.18													
53	14	120	3.12	33.26	-0.08	3.66	29.52	10.52	383.77	-1321.81	37.81	-975.84	-
685.84													
		123	1.95	10.23	-10.32	-1.94	1.85	10.10	551.63	-594.74	112.64	-155.76	-
557.25													
		119	1.24	2.74	-3.32	-2.33	1.76	-2.23	513.78	-336.87	384.80	-207.89	-
305.09													
		3	2.53	29.57	3.16	3.27	29.45	-1.76	694.94	-875.06	424.22	-604.34	-
593.08													
53	15	120	3.50	-1.44	-37.06	-5.27	-33.23	-11.04	1504.00	-444.05	67.05	992.90	
856.98													
		123	2.27	10.86	-10.39	1.27	-0.79	-10.57	713.22	-646.51	-30.40	97.11	
676.87													
		119	1.47	4.42	-1.57	3.24	-0.39	2.39	319.01	-666.63	-464.80	117.17	
397.74													
		3	2.89	-3.20	-32.96	-3.32	-32.84	1.87	963.78	-864.60	-485.06	584.24	
741.54													
53	16	120	1.53	-3.44	-70.54	-10.24	-63.74	-20.25	47.49	-440.83	-197.67	-195.67	
244.16													
		123	0.60	17.87	-20.45	1.77	-4.35	-18.92	32.38	-1.15	11.43	19.80	16.24
		119	0.65	8.54	-5.99	6.13	-3.58	5.41	123.31	-293.39	-236.72	66.63	
142.84													
		3	2.20	-5.53	-63.11	-5.79	-62.84	3.89	-28.18	-978.75	-511.17	-495.77	
475.23													
53	17	120	1.29	68.57	1.98	8.86	61.70	20.26	329.65	196.13	296.10	229.68	-57.91
		123	0.87	20.89	-17.82	-2.49	5.57	18.93	126.54	-141.49	67.63	-82.58	
110.99													
		119	0.62	7.38	-7.66	-5.38	5.09	-5.40	171.00	-169.78	161.49	-160.27	-56.11
		3	1.92	61.37	5.62	5.90	61.09	-3.88	807.30	146.92	455.30	498.91	-
329.47													
53	18	120	3.09	35.10	-0.02	3.90	31.19	11.06	369.94	-1297.45	31.38	-958.89	-
670.74													
		123	1.94	10.79	-10.77	-1.99	2.01	10.59	540.69	-591.12	109.47	-159.89	-
549.65													
		119	1.26	2.94	-3.52	-2.49	1.90	-2.37	521.63	-342.87	389.57	-210.81	-
311.01													
		3	2.53	31.22	3.29	3.42	31.09	-1.86	705.17	-857.06	429.20	-581.09	-
595.79													
53	19	120	3.58	-1.46	-37.44	-5.33	-33.58	-11.14	1533.84	-466.78	50.83	1016.23	
876.14													
		123	2.30	10.88	-10.52	1.25	-0.88	-10.64	711.67	-668.30	-42.05	85.42	
687.03													
		119	1.46	4.42	-1.60	3.26	-0.44	2.38	314.36	-659.21	-461.83	116.98	
391.41													
		3	2.94	-3.23	-33.31	-3.35	-33.19	1.89	980.75	-873.84	-489.77	596.68	
751.52													
53	20	120	1.56	-3.59	-74.60	-10.77	-67.42	-21.41	29.49	-436.78	-201.04	-206.25	
233.12													
		123	0.62	18.79	-21.70	1.86	-4.77	-19.97	23.56	-1.05	6.13	16.38	11.18
		119	0.68	8.96	-6.42	6.46	-3.91	5.68	131.06	-302.09	-243.30	72.28	
148.34													
		3	2.31	-5.84	-66.76	-6.11	-66.48	4.11	-37.20	-1018.45	-525.83	-529.82	
490.62													
53	21	120	1.38	72.63	2.14	9.39	65.38	21.42	325.30	214.42	299.46	240.26	-46.87
		123	0.92	22.14	-18.74	-2.58	5.99	19.99	135.63	-141.86	72.94	-79.17	
116.04													
		119	0.64	7.80	-8.08	-5.70	5.43	-5.66	179.08	-176.92	168.08	-165.92	-61.61
		3	2.04	65.02	5.93	6.22	64.73	-4.09	847.77	155.16	469.97	532.97	-
344.87													

53	22	120	3.17	35.48	6.44e-03	3.95	31.54	11.15	393.55	-1328.17	47.60	-982.22	-689.90
		123	1.98	10.92	-10.78	-1.97	2.10	10.66	562.23	-589.32	121.12	-148.21	-559.81
		119	1.25	2.98	-3.53	-2.51	1.96	-2.36	514.60	-338.62	386.61	-210.62	-304.68
		3	2.57	31.57	3.33	3.45	31.44	-1.87	714.45	-874.08	433.90	-593.53	-605.77
53	23	120	3.56	-1.53	-39.28	-5.57	-35.24	-11.67	1509.71	-453.19	57.25	999.27	861.04
		123	2.29	11.32	-11.07	1.30	-1.05	-11.14	707.80	-657.11	-38.88	89.56	679.43
		119	1.48	4.63	-1.80	3.41	-0.58	2.51	320.48	-667.18	-466.61	119.90	397.33
		3	2.94	-3.37	-34.96	-3.49	-34.83	1.99	963.53	-884.84	-494.75	573.43	754.23
53	24	120	1.58	-3.53	-72.76	-10.53	-65.75	-20.87	50.00	-446.76	-207.46	-189.30	248.21
		123	0.63	18.34	-21.14	1.80	-4.60	-19.48	26.96	-11.76	2.96	12.25	18.79
		119	0.66	8.75	-6.22	6.30	-3.77	5.54	125.15	-294.31	-238.53	69.36	142.43
		3	2.26	-5.70	-65.11	-5.97	-64.83	4.01	-25.75	-1001.68	-520.85	-506.57	487.91
53	25	120	1.31	70.79	2.07	9.15	63.71	20.89	339.06	190.13	305.89	223.31	-61.97
		123	0.88	21.58	-18.29	-2.53	5.82	19.49	132.71	-131.63	76.11	-75.03	108.43
		119	0.63	7.61	-7.87	-5.55	5.29	-5.52	172.55	-172.25	163.30	-163.01	-55.69
		3	1.98	63.37	5.79	6.07	63.09	-4.00	830.24	144.46	464.99	509.72	-342.16
53	26	120	3.15	37.32	0.07	4.19	33.20	11.68	379.73	-1303.82	41.17	-965.27	-674.80
		123	1.97	11.48	-11.23	-2.03	2.27	11.15	551.30	-585.70	117.95	-152.34	-552.20
		119	1.27	3.17	-3.73	-2.66	2.10	-2.50	522.45	-344.61	391.38	-213.54	-310.59
		3	2.57	33.22	3.46	3.59	33.09	-1.97	724.78	-856.17	438.89	-570.28	-608.48
53	27	120	5.71	45.11	2.29	6.26	41.14	12.43	2866.18	-262.60	434.63	2168.95	1302.06
		123	4.02	14.31	-9.00	-0.82	6.13	11.13	1305.19	-1250.03	-55.46	110.62	1274.91
		119	1.79	7.41	-5.34	-3.65	5.72	-4.32	375.54	-802.01	-495.77	69.30	516.56
		3	4.31	40.73	3.06	3.28	40.52	-2.82	2094.60	-311.61	-108.88	1891.87	668.36
53	28	120	5.04	-4.77	-78.76	-11.88	-71.66	-21.80	-27.99	-2282.91	-404.92	-1905.98	-841.35
		123	3.43	17.57	-23.16	1.22	-6.82	-19.96	977.15	-991.54	105.12	-119.50	-977.92
		119	1.08	9.83	-8.69	6.99	-5.85	6.67	409.09	-256.14	232.66	-79.71	-293.67
		3	4.09	-5.62	-70.77	-5.94	-70.45	4.56	-204.66	-1887.56	-229.09	-1863.12	-201.30
53	29	120	5.37	76.80	3.32	10.50	69.61	21.82	2475.43	-32.10	503.35	1939.98	1027.59
		123	3.78	23.64	-17.55	-1.95	8.03	19.98	1121.25	-1090.59	-26.05	56.72	1105.15
		119	1.34	10.08	-8.95	-6.24	7.36	-6.66	246.90	-568.72	-307.88	-13.94	380.41
		3	4.17	69.03	5.71	6.04	68.70	-4.55	1934.65	104.85	173.23	1866.27	347.06
53	30	120	5.35	-3.73	-47.08	-7.64	-43.18	-12.41	197.57	-2668.72	-336.21	-2134.94	-1115.82
		123	3.67	8.99	-13.80	0.10	-4.91	-11.11	1138.53	-1177.41	134.53	-173.41	-1147.68
		119	1.56	6.21	-6.01	4.41	-4.20	4.34	648.29	-390.68	420.54	-162.94	-429.82
		3	4.12	-2.97	-42.47	-3.18	-42.27	2.84	184.74	-2020.44	53.01	-1888.72	-522.61
53	31	120	5.70	44.45	2.26	6.18	40.53	12.24	2868.03	-265.47	431.70	2170.86	1303.28
		123	4.01	14.10	-8.86	-0.81	6.05	10.96	1303.56	-1253.21	-58.00	108.36	

1275.68												
		119	1.79	7.34	-5.28	-3.60	5.66	-4.29	375.90	-802.09	-496.31	70.12
516.44												
		3	4.30	40.13	3.01	3.22	39.92	-2.79	2093.50	-316.66	-111.79	1888.63
672.17												
53	32	120	5.05	-4.80	-79.43	-11.97	-72.26	-21.99	-31.03	-2280.90	-407.86	-1904.06
840.13												
		123	3.43	17.71	-23.37	1.23	-6.89	-20.13	973.97	-993.17	102.57	-121.77
977.15												
		119	1.08	9.89	-8.76	7.04	-5.91	6.71	409.02	-255.79	232.11	-78.89
293.79												
		3	4.10	-5.67	-71.37	-5.99	-71.05	4.60	-208.47	-1889.89	-232.00	-1866.36
197.50												
53	33	120	5.37	77.46	3.35	10.59	70.22	22.01	2473.56	-29.20	506.29	1938.07
1026.37												
		123	3.78	23.84	-17.69	-1.96	8.11	20.15	1122.89	-1087.41	-23.51	58.98
1104.38												
		119	1.34	10.15	-9.02	-6.29	7.42	-6.70	246.64	-568.73	-307.34	-14.76
380.53												
		3	4.18	69.63	5.76	6.09	69.30	-4.58	1936.45	109.20	176.14	1869.51
343.25												
53	34	120	5.35	-3.71	-46.42	-7.55	-42.57	-12.23	200.56	-2670.68	-333.27	-2136.85
1117.04												
		123	3.67	8.84	-13.59	0.09	-4.83	-10.94	1141.71	-1175.78	137.07	-171.14
1148.45												
		119	1.56	6.15	-5.94	4.35	-4.14	4.30	648.43	-391.10	421.09	-163.76
429.70												
		3	4.12	-2.92	-41.87	-3.12	-41.67	2.80	189.47	-2019.03	55.92	-1885.48
526.41												
53	35	120	5.43	38.98	2.08	5.46	35.59	10.65	2785.16	-216.67	456.05	2112.44
1251.74												
		123	3.90	12.45	-7.51	-0.63	5.58	9.48	1292.18	-1212.66	-44.90	124.42
1249.55												
		119	1.85	6.76	-4.66	-3.15	5.25	-3.87	395.90	-828.57	-511.69	79.02
536.28												
		3	4.14	35.23	2.60	2.80	35.04	-2.51	2027.51	-338.61	-125.48	1814.38
677.39												
53	36	120	4.77	-4.56	-72.63	-11.08	-66.11	-20.03	-73.93	-2201.88	-426.34	-1849.47
791.02												
		123	3.31	16.07	-21.30	1.04	-6.27	-18.32	939.98	-978.72	94.55	-133.30
952.56												
		119	1.14	9.15	-8.04	6.48	-5.38	6.22	435.63	-276.48	248.58	-89.43
313.39												
		3	3.89	-5.16	-65.27	-5.46	-64.97	4.24	-184.85	-1813.27	-212.49	-1785.63
210.33												
53	37	120	5.10	70.66	3.11	9.70	64.07	20.05	2394.32	13.92	524.76	1883.48
977.27												
		123	3.66	21.77	-16.05	-1.76	7.49	18.34	1108.16	-1053.13	-15.49	70.51
1079.79												
		119	1.39	9.43	-8.27	-5.73	6.90	-6.20	266.85	-594.86	-323.80	-4.21
400.13												
		3	3.97	63.53	5.25	5.56	63.22	-4.23	1863.09	82.32	156.63	1788.78
356.09												
53	38	120	5.08	-3.52	-40.95	-6.84	-37.63	-10.64	151.49	-2587.54	-357.62	-2078.44
1065.49												
		123	3.55	7.48	-11.93	-0.09	-4.36	-9.47	1101.44	-1164.68	123.97	-187.20
1122.33												
		119	1.62	5.53	-5.36	3.90	-3.74	3.88	674.90	-411.10	436.47	-172.66
449.54												
		3	3.95	-2.51	-36.97	-2.70	-36.79	2.52	209.49	-1951.10	69.62	-1811.23
531.64												
53	39	120	5.43	38.31	2.05	5.38	34.99	10.47	2787.00	-219.54	453.11	2114.36
1252.95												
		123	3.89	12.25	-7.37	-0.62	5.50	9.32	1290.55	-1215.83	-47.44	122.15
1250.32												
		119	1.85	6.69	-4.59	-3.09	5.19	-3.83	396.26	-828.65	-512.23	79.84
536.16												
		3	4.14	34.63	2.55	2.75	34.44	-2.47	2026.48	-343.73	-128.39	1811.14
681.20												
53	40	120	4.77	-4.59	-73.29	-11.17	-66.72	-20.22	-76.97	-2199.87	-429.27	-1847.56
789.81												
		123	3.31	16.21	-21.51	1.05	-6.35	-18.49	936.80	-980.35	92.01	-135.56

951.79													
		119	1.14	9.21	-8.11	6.54	-5.44	6.26	435.55	-276.13	248.04	-88.61	-
313.51													
		3	3.90	-5.21	-65.87	-5.51	-65.57	4.28	-188.74	-1815.53	-215.40	-1788.87	-
206.53													
53	41	120	5.10	71.33	3.14	9.79	64.67	20.23	2392.45	16.82	527.70	1881.57	
976.05													
		123	3.66	21.98	-16.19	-1.77	7.56	18.50	1109.79	-1049.96	-12.94	72.78	
1079.02													
		119	1.39	9.50	-8.33	-5.78	6.95	-6.24	266.57	-594.86	-323.26	-5.03	
400.25													
		3	3.98	64.13	5.30	5.61	63.82	-4.26	1864.80	86.76	159.53	1792.02	
352.28													
53	42	120	5.07	-3.49	-40.29	-6.75	-37.03	-10.45	154.47	-2589.50	-354.68	-2080.35	-
1066.71													
		123	3.55	7.34	-11.73	-0.10	-4.28	-9.30	1104.62	-1163.05	126.51	-184.94	-
1123.09													
		119	1.62	5.46	-5.30	3.85	-3.68	3.85	675.04	-411.52	437.01	-173.48	-
449.42													
		3	3.94	-2.46	-36.37	-2.64	-36.19	2.48	214.30	-1949.76	72.52	-1807.99	-
535.44													
53	43	120	2.83	-1.24	-28.06	-4.13	-25.17	-8.31	1226.11	-371.78	56.36	797.97	
707.68													
		123	1.83	8.26	-7.74	0.88	-0.36	-7.97	578.54	-530.91	-18.46	66.09	
553.12													
		119	1.17	3.43	-0.95	2.52	-0.03	1.78	245.04	-535.86	-371.04	80.23	
318.65													
		3	2.32	-2.42	-24.94	-2.50	-24.85	1.41	783.57	-692.56	-385.26	476.27	
599.32													
53	44	120	1.22	-2.93	-57.43	-8.43	-51.93	-16.42	41.90	-353.19	-141.98	-169.31	
197.07													
		123	0.50	14.47	-16.57	1.35	-3.45	-15.33	33.98	-2.51	19.71	11.76	17.81
		119	0.56	7.00	-4.75	5.04	-2.78	4.39	99.45	-252.65	-198.52	45.32	
127.01													
		3	1.81	-4.48	-51.39	-4.69	-51.17	3.16	-22.34	-805.66	-412.92	-415.08	
391.66													
53	45	120	1.11	55.47	1.48	7.06	49.89	16.44	243.33	200.39	240.40	203.32	-10.83
		123	0.77	17.01	-14.42	-2.08	4.67	15.35	120.68	-135.87	59.36	-74.54	
109.42													
		119	0.50	6.13	-6.12	-4.29	4.30	-4.37	129.34	-145.00	123.30	-138.96	-40.27
		3	1.54	49.65	4.57	4.79	49.43	-3.15	635.44	139.84	357.05	418.23	-
245.91													
53	46	120	2.42	26.10	-0.22	2.75	23.13	8.32	298.08	-1019.98	42.06	-763.96	-
521.44													
		123	1.51	8.13	-8.16	-1.61	1.58	7.99	425.00	-456.35	97.52	-128.87	-
425.89													
		119	0.96	2.31	-2.53	-1.76	1.55	-1.77	391.03	-269.08	295.82	-173.87	-
231.91													
		3	1.96	23.20	2.51	2.61	23.10	-1.39	533.72	-677.44	329.40	-473.12	-
453.56													
53	47	120	2.81	-1.29	-29.52	-4.32	-26.50	-8.73	1207.08	-360.82	61.59	784.66	
695.60													
		123	1.83	8.61	-8.18	0.93	-0.49	-8.36	575.50	-522.05	-15.95	69.40	
547.11													
		119	1.19	3.59	-1.10	2.64	-0.14	1.89	249.99	-542.29	-374.89	82.59	
323.42													
		3	2.32	-2.53	-26.25	-2.62	-26.16	1.48	769.95	-701.39	-389.25	457.80	
601.53													
53	48	120	1.25	-2.88	-55.97	-8.24	-50.60	-16.00	57.59	-360.80	-147.21	-156.00	
209.15													
		123	0.50	14.12	-16.12	1.31	-3.32	-14.94	37.03	-11.39	17.20	8.45	23.81
		119	0.54	6.84	-4.60	4.92	-2.67	4.28	94.61	-246.32	-194.67	42.95	
122.24													
		3	1.77	-4.37	-50.07	-4.58	-49.86	3.08	-13.27	-792.28	-408.93	-396.62	
389.45													
53	49	120	1.05	54.00	1.43	6.87	48.56	16.01	253.85	181.79	245.64	190.01	-22.91
		123	0.74	16.57	-14.06	-2.03	4.54	14.96	118.30	-127.66	61.87	-71.23	
103.42													
		119	0.49	5.98	-5.96	-4.16	4.19	-4.26	124.28	-141.43	119.45	-136.60	-35.50
		3	1.50	48.33	4.46	4.68	48.12	-3.07	621.23	131.60	353.06	399.77	-
243.70													
53	50	120	2.40	27.56	-0.16	2.94	24.46	8.75	286.89	-1000.72	36.83	-750.66	-

509.36													
		123	1.50	8.58	-8.51	-1.65	1.71	8.38	416.40	-453.57	95.01	-132.18	-
419.89													
		119	0.98	2.47	-2.69	-1.88	1.66	-1.87	397.34	-273.90	299.67	-176.23	-
236.69													
		3	1.96	24.51	2.62	2.72	24.41	-1.47	541.84	-663.11	333.38	-454.66	-
455.77													
53	51	120	2.87	-1.31	-29.80	-4.36	-26.76	-8.80	1227.68	-378.72	47.98	800.97	
709.49													
		123	1.85	8.62	-8.27	0.91	-0.56	-8.41	572.82	-538.63	-25.34	59.53	
554.10													
		119	1.17	3.59	-1.13	2.65	-0.19	1.88	246.00	-535.73	-371.97	82.24	
318.11													
		3	2.35	-2.55	-26.51	-2.64	-26.42	1.50	781.27	-707.88	-392.27	465.66	
608.59													
53	52	120	1.26	-3.00	-59.18	-8.66	-53.51	-16.91	40.71	-357.37	-150.36	-166.30	
198.88													
		123	0.51	14.84	-17.11	1.38	-3.65	-15.77	28.19	-10.17	12.82	5.20	18.80
		119	0.56	7.17	-4.93	5.17	-2.94	4.49	100.63	-252.74	-199.44	47.33	
126.47													
		3	1.86	-4.61	-52.96	-4.83	-52.74	3.25	-21.87	-823.76	-419.93	-425.69	
400.93													
53	53	120	1.13	57.21	1.55	7.29	51.47	16.93	251.88	197.21	248.79	200.31	-12.64
		123	0.77	17.55	-14.79	-2.10	4.87	15.79	126.65	-128.39	66.25	-67.98	
108.43													
		119	0.51	6.32	-6.28	-4.42	4.45	-4.47	130.04	-146.80	124.22	-140.97	-39.73
		3	1.59	51.22	4.71	4.93	50.99	-3.24	653.68	139.23	364.06	428.84	-
255.18													
53	54	120	2.46	27.84	-0.14	2.98	24.71	8.81	305.69	-1022.21	50.45	-766.97	-
523.25													
		123	1.52	8.67	-8.52	-1.63	1.78	8.43	432.72	-450.62	104.41	-122.31	-
426.88													
		119	0.96	2.50	-2.69	-1.90	1.70	-1.87	391.16	-270.29	296.75	-175.88	-
231.38													
		3	1.99	24.77	2.64	2.74	24.67	-1.48	548.33	-674.43	336.41	-462.51	-
462.84													
53	55	120	2.85	-1.36	-31.26	-4.55	-28.08	-9.22	1208.63	-367.75	53.21	787.67	
697.41													
		123	1.84	8.97	-8.71	0.95	-0.70	-8.80	569.78	-529.77	-22.83	62.84	
548.10													
		119	1.19	3.75	-1.28	2.77	-0.30	1.99	250.94	-542.15	-375.81	84.60	
322.89													
		3	2.35	-2.66	-27.82	-2.76	-27.72	1.57	767.71	-716.78	-396.26	447.20	
610.80													
53	56	120	1.28	-2.95	-57.71	-8.47	-52.19	-16.49	56.67	-365.26	-155.59	-153.00	
210.96													
		123	0.52	14.48	-16.67	1.34	-3.52	-15.38	31.25	-19.05	10.31	1.89	24.80
		119	0.54	7.01	-4.78	5.05	-2.83	4.38	95.79	-246.42	-195.60	44.97	
121.70													
		3	1.82	-4.50	-51.64	-4.72	-51.43	3.18	-12.84	-810.34	-415.94	-407.23	
398.73													
53	57	120	1.07	55.74	1.50	7.10	50.14	16.51	262.15	178.88	254.02	187.01	-24.72
		123	0.75	17.11	-14.43	-2.06	4.74	15.40	124.28	-120.20	68.75	-64.67	
102.43													
		119	0.50	6.16	-6.12	-4.30	4.34	-4.37	125.01	-143.24	120.37	-138.61	-34.96
		3	1.55	49.90	4.60	4.82	49.68	-3.16	639.45	131.01	360.08	410.38	-
252.97													
53	58	120	2.44	29.30	-0.09	3.17	26.04	9.24	294.50	-1002.95	45.22	-753.66	-
511.17													
		123	1.52	9.12	-8.88	-1.67	1.91	8.82	424.12	-447.84	101.90	-125.63	-
420.87													
		119	0.98	2.65	-2.85	-2.02	1.81	-1.98	397.46	-275.11	300.59	-178.24	-
236.15													
		3	1.98	26.08	2.75	2.86	25.98	-1.56	556.54	-660.19	340.40	-444.05	-
465.04													
53	59	120	4.56	35.46	1.67	4.82	32.31	9.82	2289.49	-218.99	352.18	1718.33	
1051.92													
		123	3.22	11.38	-7.08	-0.70	5.00	8.78	1046.24	-1001.74	-35.75	80.25	
1022.35													
		119	1.44	6.01	-4.13	-2.81	4.69	-3.41	294.43	-649.50	-399.30	44.23	
416.62													
		3	3.43	32.03	2.43	2.60	31.86	-2.23	1665.25	-262.57	-93.19	1495.86	

545.76													
53	60	120	3.96	-3.94	-62.48	-9.55	-56.87	-17.23	-23.79	-1791.09	-308.96	-1505.93	-
650.12													
		123	2.68	13.85	-18.27	0.87	-5.29	-15.76	763.37	-772.74	91.47	-100.84	-
762.01													
		119	0.83	7.86	-6.73	5.60	-4.48	5.27	306.26	-202.61	175.78	-72.12	-
222.20													
		3	3.23	-4.44	-56.14	-4.69	-55.89	3.61	-168.96	-1491.72	-185.37	-1475.30	-
146.43													
53	61	120	4.29	60.51	2.49	8.17	54.83	17.24	1983.69	-36.37	407.39	1539.93	
836.36													
		123	3.03	18.75	-13.83	-1.59	6.51	15.78	902.42	-876.77	-12.40	38.06	
889.24													
		119	1.08	8.12	-6.98	-4.85	5.99	-5.26	193.30	-465.82	-251.00	-21.52	
308.94													
		3	3.31	54.40	4.53	4.79	54.14	-3.60	1539.02	68.94	129.51	1478.45	
292.19													
53	62	120	4.20	-3.11	-37.43	-6.19	-34.35	-9.81	153.92	-2091.99	-253.75	-1684.32	-
865.67													
		123	2.87	7.06	-10.87	-0.02	-3.78	-8.77	890.25	-918.47	114.82	-143.03	-
895.12													
		119	1.21	5.00	-4.61	3.56	-3.18	3.43	495.81	-309.60	324.08	-137.88	-
329.88													
		3	3.25	-2.34	-33.77	-2.50	-33.60	2.25	135.59	-1590.98	37.32	-1492.71	-
400.00													
53	63	120	4.55	34.94	1.65	4.75	31.84	9.67	2290.07	-221.18	349.66	1719.23	
1052.46													
		123	3.21	11.22	-6.97	-0.70	4.94	8.65	1044.52	-1004.06	-37.81	78.28	
1022.64													
		119	1.44	5.96	-4.08	-2.77	4.64	-3.38	294.66	-649.40	-399.58	44.84	
416.46													
		3	3.43	31.56	2.39	2.56	31.39	-2.21	1663.74	-266.35	-95.29	1492.68	
548.54													
53	64	120	3.97	-3.96	-63.00	-9.62	-57.35	-17.38	-26.16	-1790.35	-311.48	-1505.03	-
649.58													
		123	2.68	13.96	-18.43	0.88	-5.35	-15.89	761.05	-774.46	89.41	-102.81	-
761.72													
		119	0.83	7.91	-6.78	5.64	-4.52	5.30	306.35	-202.37	175.50	-71.52	-
222.36													
		3	3.24	-4.48	-56.61	-4.73	-56.36	3.64	-171.68	-1494.28	-187.47	-1478.49	-
143.65													
53	65	120	4.30	61.03	2.51	8.24	55.31	17.39	1983.09	-34.16	409.90	1539.03	
835.82													
		123	3.03	18.91	-13.94	-1.60	6.57	15.91	904.14	-874.45	-10.34	40.03	
888.94													
		119	1.09	8.18	-7.03	-4.89	6.04	-5.29	193.13	-465.98	-250.72	-22.12	
309.10													
		3	3.32	54.87	4.57	4.83	54.61	-3.63	1541.06	72.19	131.61	1481.64	
289.41													
53	66	120	4.20	-3.09	-36.91	-6.12	-33.88	-9.66	156.23	-2092.69	-251.23	-1685.22	-
866.22													
		123	2.87	6.95	-10.70	-0.03	-3.72	-8.63	892.57	-916.75	116.88	-141.07	-
895.42													
		119	1.21	4.95	-4.56	3.52	-3.13	3.40	495.76	-309.89	324.36	-138.48	-
329.72													
		3	3.24	-2.30	-33.29	-2.46	-33.13	2.22	139.04	-1589.15	39.43	-1489.53	-
402.78													
53	67	120	4.34	30.58	1.50	4.18	27.90	8.41	2225.45	-181.86	369.61	1673.98	
1011.65													
		123	3.12	9.90	-5.90	-0.56	4.56	7.48	1036.05	-972.14	-27.38	91.29	
1002.34													
		119	1.49	5.50	-3.59	-2.41	4.32	-3.05	310.87	-670.88	-412.13	52.12	
432.52													
		3	3.30	27.65	2.06	2.22	27.49	-1.98	1612.32	-284.47	-106.48	1434.32	
553.12													
53	68	120	3.75	-3.77	-57.60	-8.91	-52.46	-15.82	-60.87	-1727.11	-326.40	-1461.58	-
609.86													
		123	2.59	12.66	-16.79	0.72	-4.85	-14.46	733.99	-762.77	83.11	-111.88	-
742.00													
		119	0.87	7.32	-6.22	5.20	-4.10	4.91	327.67	-219.07	188.60	-80.01	-
238.11													
		3	3.07	-4.07	-51.76	-4.31	-51.52	3.36	-153.31	-1432.53	-172.08	-1413.76	-

153.80													
53	69	120	4.08	55.63	2.32	7.53	50.41	15.83	1919.58	0.83	424.83	1495.59	
796.10													
		123	2.93	17.26	-12.64	-1.45	6.07	14.47	892.17	-847.11	-4.04	49.10	
869.23													
		119	1.13	7.61	-6.44	-4.45	5.62	-4.90	209.37	-486.83	-263.83	-13.64	
324.84													
		3	3.16	50.02	4.16	4.41	49.78	-3.34	1482.58	50.55	116.22	1416.91	
299.55													
53	70	120	3.98	-2.94	-32.55	-5.55	-29.94	-8.40	116.66	-2027.82	-271.19	-1639.97	-
825.41													
		123	2.77	5.88	-9.38	-0.16	-3.34	-7.46	860.94	-908.57	106.45	-154.07	-
875.11													
		119	1.26	4.46	-4.10	3.16	-2.80	3.07	517.24	-326.10	336.91	-145.76	-
345.78													
		3	3.11	-1.97	-29.39	-2.12	-29.24	1.99	155.22	-1535.78	50.61	-1431.17	-
407.36													
53	71	120	4.34	30.05	1.48	4.11	27.42	8.26	2226.03	-184.05	367.10	1674.88	
1012.20													
		123	3.12	9.74	-5.79	-0.55	4.50	7.34	1034.33	-974.46	-29.45	89.32	
1002.64													
		119	1.49	5.44	-3.54	-2.37	4.27	-3.02	311.10	-670.78	-412.40	52.72	
432.36													
		3	3.30	27.18	2.02	2.18	27.02	-1.95	1610.86	-288.31	-108.58	1431.14	
555.90													
53	72	120	3.76	-3.79	-58.12	-8.98	-52.93	-15.97	-63.24	-1726.35	-328.91	-1460.68	-
609.31													
		123	2.59	12.77	-16.95	0.73	-4.91	-14.59	731.68	-764.49	81.04	-113.85	-
741.71													
		119	0.87	7.36	-6.27	5.24	-4.15	4.94	327.76	-218.83	188.33	-79.40	-
238.27													
		3	3.08	-4.11	-52.23	-4.35	-51.99	3.39	-156.10	-1435.03	-174.18	-1416.95	-
151.01													
53	73	120	4.08	56.15	2.34	7.60	50.89	15.98	1918.99	3.04	427.34	1494.68	
795.56													
		123	2.94	17.43	-12.75	-1.46	6.13	14.60	893.89	-844.79	-1.97	51.07	
868.93													
		119	1.13	7.66	-6.49	-4.49	5.66	-4.93	209.20	-486.99	-263.55	-14.24	
325.01													
		3	3.17	50.49	4.20	4.45	50.25	-3.37	1484.56	53.86	118.32	1420.10	
296.77													
53	74	120	3.98	-2.92	-32.03	-5.48	-29.46	-8.25	118.97	-2028.52	-268.67	-1640.88	-
825.95													
		123	2.77	5.77	-9.22	-0.17	-3.28	-7.33	863.26	-906.85	108.52	-152.11	-
875.41													
		119	1.26	4.41	-4.04	3.12	-2.76	3.04	517.20	-326.38	337.18	-146.36	-
345.62													
		3	3.10	-1.93	-28.91	-2.08	-28.77	1.97	158.73	-1534.01	52.72	-1427.99	-
410.14													
53	75	120	2.38	-1.15	-23.36	-3.53	-20.98	-6.86	1033.91	-314.68	55.50	663.73	
601.82													
		123	1.55	6.84	-6.37	0.67	-0.19	-6.59	490.19	-449.10	-8.34	49.43	
468.75													
		119	0.99	2.92	-0.67	2.14	0.10	1.47	201.02	-456.21	-313.47	58.28	
271.00													
		3	1.96	-1.99	-20.76	-2.06	-20.69	1.16	658.32	-586.79	-323.59	395.12	
508.37													
53	76	120	1.05	-2.55	-47.64	-7.09	-43.10	-13.57	58.29	-302.51	-108.48	-135.74	
179.89													
		123	0.44	11.97	-13.66	1.06	-2.75	-12.67	41.81	-14.10	23.20	4.51	26.34
		119	0.48	5.87	-3.81	4.23	-2.17	3.63	79.93	-221.37	-170.85	29.40	
112.57													
		3	1.52	-3.69	-42.62	-3.87	-42.45	2.61	-7.23	-680.85	-346.49	-341.59	
336.80													
53	77	120	0.93	45.67	1.09	5.71	41.05	13.59	207.97	168.69	206.91	169.75	6.36
		123	0.66	14.10	-11.92	-1.78	3.96	12.69	112.48	-123.91	55.87	-67.29	
100.88													
		119	0.42	5.19	-4.98	-3.48	3.68	-3.61	98.63	-126.05	95.62	-123.04	-25.83
		3	1.26	40.88	3.79	3.97	40.70	-2.60	510.63	124.73	290.62	344.74	-
191.04													
53	78	120	1.97	21.40	-0.31	2.15	18.94	6.88	241.22	-828.01	42.93	-629.72	-
415.58													

		123	1.22	6.76	-6.74	-1.39	1.41	6.60	343.41	-368.22	87.41	-112.22	-341.53
		119	0.78	2.03	-2.01	-1.39	1.41	-1.46	311.51	-225.18	238.24	-151.92	-184.26
		3	1.59	19.02	2.08	2.16	18.94	-1.15	428.07	-552.32	267.73	-391.98	-362.61
53	79	120	2.36	-1.19	-24.57	-3.69	-22.08	-7.21	1018.21	-305.67	59.81	652.73	591.84
		123	1.54	7.13	-6.73	0.70	-0.30	-6.91	487.66	-441.76	-6.27	52.17	463.79
		119	1.00	3.05	-0.79	2.24	0.01	1.56	205.11	-461.52	-316.64	60.23	274.94
		3	1.96	-2.08	-21.85	-2.16	-21.77	1.23	647.11	-594.13	-326.89	379.87	510.19
53	80	120	1.07	-2.50	-46.43	-6.93	-42.00	-13.22	71.18	-308.72	-112.80	-124.74	189.86
		123	0.45	11.68	-13.29	1.02	-2.64	-12.35	44.22	-21.31	21.13	1.78	31.30
		119	0.47	5.73	-3.68	4.13	-2.08	3.54	75.89	-216.12	-167.67	27.45	108.63
		3	1.49	-3.60	-41.54	-3.77	-41.36	2.55	0.32	-669.84	-343.19	-326.33	334.97
53	81	120	0.89	44.46	1.05	5.56	39.96	13.24	211.47	158.50	211.23	158.75	-3.62
		123	0.64	13.73	-11.62	-1.74	3.86	12.36	110.50	-117.12	57.94	-64.56	95.92
		119	0.41	5.06	-4.85	-3.38	3.59	-3.52	94.67	-123.31	92.45	-121.09	-21.89
		3	1.22	39.80	3.70	3.87	39.62	-2.54	498.80	118.02	287.33	329.48	-189.22
53	82	120	1.95	22.61	-0.26	2.31	20.04	7.23	232.00	-812.10	38.61	-618.72	-405.60
		123	1.22	7.13	-7.03	-1.43	1.52	6.93	336.34	-365.96	85.33	-114.95	-336.57
		119	0.79	2.16	-2.15	-1.49	1.50	-1.55	316.69	-229.14	241.42	-153.87	-188.20
		3	1.59	20.11	2.17	2.26	20.03	-1.21	434.70	-540.40	271.02	-376.72	-364.44
53	83	120	2.41	-1.21	-24.80	-3.72	-22.29	-7.27	1035.20	-320.37	48.60	666.23	603.34
		123	1.56	7.14	-6.81	0.69	-0.36	-6.95	485.52	-455.48	-14.01	44.05	469.60
		119	0.99	3.05	-0.81	2.26	-0.02	1.56	201.80	-456.11	-314.25	59.94	270.57
		3	1.98	-2.10	-22.06	-2.18	-21.99	1.24	656.51	-599.51	-329.40	386.40	516.05
53	84	120	1.08	-2.61	-49.08	-7.28	-44.41	-13.98	57.32	-305.94	-115.38	-133.24	181.41
		123	0.46	12.27	-14.11	1.08	-2.91	-13.04	37.04	-20.38	17.53	-0.87	27.19
		119	0.48	6.00	-3.96	4.34	-2.30	3.71	80.86	-221.43	-171.63	31.06	112.13
		3	1.56	-3.80	-43.92	-3.98	-43.74	2.69	-6.82	-695.79	-352.30	-350.31	344.48
53	85	120	0.95	47.12	1.15	5.91	42.36	13.99	214.31	166.75	213.81	167.24	4.83
		123	0.67	14.55	-12.22	-1.80	4.13	13.05	117.36	-117.73	61.54	-61.91	100.03
		119	0.43	5.34	-5.12	-3.59	3.81	-3.70	99.29	-127.58	96.41	-124.70	-25.39
		3	1.29	42.18	3.90	4.08	42.00	-2.67	525.71	124.19	296.43	353.46	-198.72
53	86	120	2.00	22.84	-0.25	2.34	20.25	7.29	247.57	-829.97	49.83	-632.23	-417.10
		123	1.23	7.21	-7.04	-1.41	1.58	6.97	349.79	-363.55	93.08	-106.83	-342.38
		119	0.78	2.18	-2.15	-1.50	1.54	-1.54	311.66	-226.22	239.03	-153.58	-183.83
		3	1.61	20.32	2.19	2.28	20.24	-1.22	440.08	-549.79	273.54	-383.25	-370.29
53	87	120	2.39	-1.25	-26.01	-3.88	-23.39	-7.62	1019.50	-311.35	52.91	655.23	593.37
		123	1.55	7.43	-7.17	0.72	-0.47	-7.28	482.99	-448.14	-11.94	46.79	464.64
		119	1.00	3.18	-0.94	2.36	-0.12	1.65	205.89	-461.42	-317.43	61.89	274.51
		3	1.98	-2.19	-23.15	-2.27	-23.07	1.30	645.36	-606.91	-332.70	371.15	517.87
53	88	120	1.10	-2.56	-47.87	-7.12	-43.31	-13.63	70.42	-312.36	-119.70	-122.24	

191.38													
		123	0.46	11.98	-13.74	1.04	-2.80	-12.71	39.46	-27.61	15.46	-3.61	32.15
		119	0.47	5.87	-3.83	4.24	-2.20	3.62	76.84	-216.18	-168.45	29.11	
108.20													
		3	1.53	-3.71	-42.84	-3.89	-42.66	2.63	0.70	-684.76	-349.00	-335.06	
342.66													
53	89	120	0.90	45.90	1.11	5.75	41.27	13.64	218.55	155.82	218.12	156.24	-5.14
		123	0.65	14.18	-11.93	-1.77	4.02	12.73	115.39	-110.96	63.61	-59.18	95.07
		119	0.42	5.21	-4.98	-3.49	3.72	-3.61	95.34	-124.86	93.23	-122.75	-21.46
		3	1.26	41.10	3.81	3.99	40.91	-2.61	513.86	117.49	293.14	338.21	-
196.90													
53	90	120	1.98	24.05	-0.20	2.50	21.34	7.64	238.35	-814.06	45.51	-621.23	-
407.13													
		123	1.23	7.58	-7.34	-1.45	1.69	7.29	342.72	-361.29	91.00	-109.57	-
337.42													
		119	0.80	2.31	-2.28	-1.60	1.63	-1.63	316.84	-230.17	242.21	-155.54	-
187.77													
		3	1.61	21.41	2.28	2.37	21.32	-1.29	446.78	-537.95	276.83	-368.00	-
372.12													
53	91	120	3.80	29.14	1.25	3.86	26.53	8.12	1910.53	-187.18	299.81	1423.55	
885.66													
		123	2.69	9.45	-5.86	-0.65	4.24	7.26	876.33	-838.00	-22.67	60.99	
856.14													
		119	1.21	5.09	-3.34	-2.26	4.01	-2.82	242.41	-550.58	-336.68	28.51	
351.95													
		3	2.86	26.32	2.02	2.16	26.18	-1.84	1383.72	-228.64	-81.90	1236.99	
463.74													
53	92	120	3.25	-3.38	-51.81	-8.01	-47.18	-14.24	-24.01	-1464.14	-246.80	-1241.35	-
520.78													
		123	2.19	11.45	-15.06	0.66	-4.27	-13.03	621.31	-627.59	82.47	-88.75	-
618.56													
		119	0.66	6.57	-5.44	4.70	-3.57	4.36	239.67	-168.70	138.73	-67.76	-
176.16													
		3	2.66	-3.66	-46.55	-3.87	-46.34	2.99	-147.31	-1229.64	-158.23	-1218.72	-
108.16													
53	93	120	3.58	49.84	1.93	6.63	45.14	14.25	1656.56	-35.97	345.23	1275.36	
707.02													
		123	2.53	15.54	-11.43	-1.38	5.49	13.04	757.21	-734.65	-3.40	25.97	
745.78													
		119	0.92	6.83	-5.70	-3.94	5.08	-4.35	159.30	-399.13	-213.95	-25.89	
262.90													
		3	2.75	44.81	3.75	3.97	44.60	-2.97	1276.77	47.46	102.36	1221.87	
253.92													
53	94	120	3.45	-2.70	-31.11	-5.24	-28.57	-8.10	122.21	-1713.13	-201.38	-1389.54	-
699.42													
		123	2.34	5.84	-8.94	-0.08	-3.02	-7.24	726.57	-748.61	101.73	-123.77	-
728.92													
		119	0.98	4.21	-3.69	3.01	-2.49	2.83	396.95	-257.65	261.45	-122.15	-
265.21													
		3	2.67	-1.92	-28.06	-2.06	-27.92	1.86	101.75	-1309.55	26.04	-1233.84	-
317.98													
53	95	120	3.80	28.70	1.23	3.80	26.14	8.00	1911.02	-188.98	297.74	1424.30	
886.12													
		123	2.69	9.32	-5.77	-0.64	4.19	7.15	874.92	-839.92	-24.37	59.37	
856.40													
		119	1.21	5.04	-3.30	-2.22	3.97	-2.79	242.60	-550.50	-336.91	29.01	
351.82													
		3	2.85	25.93	1.99	2.12	25.79	-1.82	1382.51	-231.79	-83.65	1234.37	
466.04													
53	96	120	3.25	-3.40	-52.24	-8.07	-47.57	-14.36	-25.98	-1463.50	-248.87	-1240.60	-
520.32													
		123	2.19	11.54	-15.20	0.66	-4.32	-13.14	619.40	-628.99	80.77	-90.37	-
618.30													
		119	0.66	6.61	-5.49	4.73	-3.61	4.38	239.73	-168.50	138.49	-67.26	-
176.29													
		3	2.67	-3.69	-46.94	-3.90	-46.73	3.01	-149.51	-1231.79	-159.97	-1221.34	-
105.86													
53	97	120	3.58	50.27	1.95	6.69	45.53	14.38	1656.06	-34.16	347.30	1274.61	
706.57													
		123	2.54	15.67	-11.52	-1.39	5.54	13.15	758.61	-732.73	-1.70	27.58	
745.53													
		119	0.92	6.88	-5.74	-3.98	5.12	-4.37	159.16	-399.26	-213.71	-26.38	

263.03													
		3	2.75	45.20	3.78	4.00	44.98	-3.00	1278.40	50.19	104.10	1224.49	
251.61													
53	98	120	3.44	-2.68	-30.68	-5.18	-28.18	-7.98	124.13	-1713.74	-199.31	-1390.30	-
699.88													
		123	2.34	5.75	-8.81	-0.08	-2.97	-7.13	728.48	-747.21	103.44	-122.16	-
729.17													
		119	0.98	4.17	-3.65	2.98	-2.45	2.81	396.93	-257.89	261.69	-122.65	-
265.08													
		3	2.66	-1.89	-27.67	-2.02	-27.54	1.84	104.58	-1308.02	27.78	-1231.22	-
320.29													
53	99	120	3.62	25.10	1.11	3.33	22.88	6.95	1857.65	-156.58	314.19	1386.88	
852.42													
		123	2.61	8.23	-4.89	-0.53	3.87	6.18	867.88	-813.53	-15.75	70.11	
839.61													
		119	1.25	4.67	-2.89	-1.92	3.70	-2.52	255.96	-568.21	-347.26	35.02	
365.08													
		3	2.75	22.70	1.71	1.84	22.57	-1.63	1340.17	-246.92	-92.89	1186.14	
469.82													
53	100	120	3.07	-3.24	-47.77	-7.48	-43.53	-13.07	-54.52	-1411.34	-261.18	-1204.68	-
487.54													
		123	2.11	10.47	-13.84	0.54	-3.90	-11.95	597.08	-619.39	75.56	-97.87	-
602.02													
		119	0.70	6.12	-5.02	4.36	-3.26	4.06	257.36	-182.31	149.32	-74.26	-
189.29													
		3	2.53	-3.35	-42.93	-3.55	-42.74	2.78	-134.61	-1180.51	-147.24	-1167.88	-
114.24													
53	101	120	3.40	45.81	1.79	6.10	41.49	13.09	1603.62	-5.32	359.61	1238.69	
673.78													
		123	2.46	14.31	-10.45	-1.26	5.12	11.96	748.72	-710.12	3.51	35.09	
729.25													
		119	0.95	6.41	-5.25	-3.61	4.77	-4.05	172.51	-416.43	-224.54	-19.38	
276.03													
		3	2.62	41.19	3.45	3.65	40.99	-2.76	1230.37	32.03	91.38	1171.03	
260.00													
53	102	120	3.27	-2.56	-27.07	-4.71	-24.92	-6.94	91.49	-1660.13	-215.76	-1352.88	-
666.18													
		123	2.26	4.86	-7.71	-0.20	-2.65	-6.17	702.39	-740.46	94.82	-132.89	-
712.38													
		119	1.02	3.76	-3.27	2.68	-2.19	2.54	414.64	-271.25	272.04	-128.66	-
278.34													
		3	2.55	-1.62	-24.44	-1.74	-24.32	1.65	117.76	-1263.73	37.02	-1182.99	-
324.06													
53	103	120	3.62	24.67	1.09	3.27	22.49	6.83	1858.13	-158.38	312.12	1387.64	
852.88													
		123	2.61	8.10	-4.80	-0.52	3.82	6.07	866.48	-815.44	-17.45	68.49	
839.86													
		119	1.25	4.62	-2.85	-1.89	3.66	-2.50	256.15	-568.13	-347.50	35.52	
364.95													
		3	2.74	22.31	1.68	1.81	22.18	-1.61	1339.00	-250.11	-94.63	1183.52	
472.12													
53	104	120	3.08	-3.26	-48.21	-7.54	-43.93	-13.20	-56.49	-1410.69	-263.25	-1203.93	-
487.08													
		123	2.11	10.56	-13.97	0.54	-3.95	-12.06	595.16	-620.79	73.86	-99.49	-
601.77													
		119	0.70	6.16	-5.06	4.40	-3.30	4.09	257.42	-182.10	149.08	-73.76	-
189.42													
		3	2.54	-3.39	-43.32	-3.58	-43.12	2.80	-136.86	-1182.61	-148.98	-1170.49	-
111.94													
53	105	120	3.40	46.24	1.81	6.16	41.88	13.21	1603.13	-3.51	361.68	1237.94	
673.32													
		123	2.46	14.45	-10.54	-1.27	5.17	12.07	750.12	-708.21	5.21	36.70	
728.99													
		119	0.96	6.46	-5.29	-3.64	4.81	-4.07	172.37	-416.56	-224.30	-19.88	
276.16													
		3	2.63	41.58	3.48	3.69	41.38	-2.79	1231.95	34.81	93.12	1173.64	
257.69													
53	106	120	3.26	-2.54	-26.64	-4.65	-24.53	-6.82	93.42	-1660.74	-213.69	-1353.63	-
666.63													
		123	2.26	4.77	-7.58	-0.20	-2.60	-6.06	704.31	-739.06	96.52	-131.27	-
712.64													
		119	1.02	3.72	-3.22	2.64	-2.15	2.51	414.62	-271.49	272.28	-129.16	-

278.21												
		3	2.55	-1.59	-24.05	-1.71	-23.93	1.63	120.64	-1262.25	38.77	-1180.38	-
326.37													
55	1	134	0.17	0.59	-0.15	-0.10	0.54	0.19	60.79	-53.60	42.94	-35.75	41.51
		127	0.13	1.80	0.09	0.11	1.78	0.19	61.43	-21.10	46.14	-5.80	32.07
		128	0.14	1.64	-0.17	-0.15	1.62	0.19	53.54	-37.85	27.80	-12.10	41.11
		133	0.18	0.57	-0.44	-0.40	0.53	0.19	49.84	-69.15	19.85	-39.16	51.66
55	2	134	0.82	3.10	-2.10	-2.05	3.05	0.53	233.09	-302.58	166.69	-236.18	
176.52													
		127	0.59	11.48	-0.47	-0.45	11.46	0.53	286.66	-47.00	208.10	31.56	
141.57													
		128	0.71	10.62	-1.16	-1.14	10.60	0.53	286.35	-168.39	126.12	-8.16	
217.23													
		133	0.94	3.30	-2.73	-2.68	3.26	0.53	221.89	-399.46	67.70	-245.27	
268.38													
55	3	134	0.12	0.41	-0.08	-0.04	0.37	0.14	43.53	-36.56	30.70	-23.72	29.38
		127	0.09	1.20	0.08	0.10	1.19	0.14	43.03	-15.77	32.43	-5.17	22.60
		128	0.10	1.09	-0.12	-0.10	1.08	0.14	36.85	-26.71	19.53	-9.38	28.30
		133	0.12	0.39	-0.30	-0.27	0.36	0.14	35.09	-46.96	14.37	-26.24	35.65
55	4	134	0.77	2.92	-2.03	-1.99	2.88	0.48	215.86	-285.57	154.44	-224.15	
164.39													
		127	0.55	10.89	-0.48	-0.46	10.87	0.48	268.31	-41.71	194.40	32.20	
132.10													
		128	0.67	10.07	-1.10	-1.08	10.05	0.48	269.71	-157.31	117.85	-5.44	
204.42													
		133	0.89	3.12	-2.59	-2.55	3.08	0.48	207.14	-377.27	62.22	-232.34	
252.37													
55	5	134	0.12	0.44	-0.10	-0.06	0.40	0.14	45.36	-39.20	32.02	-25.86	30.82
		127	0.10	1.31	0.07	0.09	1.29	0.14	45.42	-16.03	34.16	-4.77	23.77
		128	0.10	1.19	-0.13	-0.11	1.17	0.14	39.30	-28.07	20.58	-9.34	30.18
		133	0.13	0.41	-0.32	-0.29	0.39	0.14	36.93	-50.48	14.88	-28.43	37.96
55	6	134	0.56	2.11	-1.40	-1.36	2.07	0.37	160.19	-205.15	114.51	-159.48	
120.83													
		127	0.40	7.76	-0.30	-0.28	7.74	0.37	195.53	-33.25	142.14	20.14	96.77
		128	0.48	7.17	-0.78	-0.77	7.16	0.37	194.42	-115.01	86.12	-6.72	
147.59													
		133	0.64	2.24	-1.85	-1.81	2.20	0.37	151.63	-270.69	46.78	-165.84	
182.44													
55	7	134	0.12	0.44	-0.10	-0.06	0.40	0.14	45.36	-39.20	32.02	-25.86	30.82
		127	0.10	1.31	0.07	0.09	1.29	0.14	45.42	-16.03	34.16	-4.77	23.77
		128	0.10	1.19	-0.13	-0.11	1.17	0.14	39.30	-28.07	20.58	-9.34	30.18
		133	0.13	0.41	-0.32	-0.29	0.39	0.14	36.93	-50.48	14.88	-28.43	37.96
55	8	134	0.43	1.60	-1.00	-0.97	1.57	0.30	125.69	-155.31	89.76	-119.39	93.83
		127	0.31	5.82	-0.19	-0.17	5.81	0.30	150.43	-28.02	109.74	12.67	74.87
		128	0.37	5.38	-0.58	-0.57	5.36	0.30	147.77	-88.82	66.46	-7.50	
112.37													
		133	0.49	1.69	-1.39	-1.36	1.66	0.30	117.22	-204.62	37.21	-124.62	
139.10													
55	9	134	0.12	0.44	-0.10	-0.06	0.40	0.14	45.36	-39.20	32.02	-25.86	30.82
		127	0.10	1.31	0.07	0.09	1.29	0.14	45.42	-16.03	34.16	-4.77	23.77
		128	0.10	1.19	-0.13	-0.11	1.17	0.14	39.30	-28.07	20.58	-9.34	30.18
		133	0.13	0.41	-0.32	-0.29	0.39	0.14	36.93	-50.48	14.88	-28.43	37.96
55	10	134	0.39	1.43	-0.87	-0.84	1.40	0.28	114.19	-138.70	81.52	-106.03	84.83
		127	0.28	5.18	-0.15	-0.13	5.16	0.28	135.40	-26.28	98.95	10.18	67.57
		128	0.33	4.78	-0.52	-0.50	4.76	0.28	132.23	-80.09	59.90	-7.77	
100.63													
		133	0.44	1.51	-1.23	-1.20	1.48	0.28	105.75	-182.60	34.02	-110.88	
124.65													
55	11	134	1.27	2.06	-10.97	-9.21	0.29	-4.46	198.42	-542.45	161.43	-505.46	
161.36													
		127	0.84	14.32	-6.12	-6.01	14.21	-1.49	374.70	-14.16	303.79	56.75	
150.16													
		128	1.01	13.76	-2.54	-2.52	13.73	0.61	425.58	-204.70	226.40	-5.51	
293.03													
		133	1.52	5.99	-4.37	-4.30	5.92	-0.86	256.86	-686.89	73.37	-503.40	
373.50													
55	12	134	1.57	2.04	-24.62	-18.72	-3.87	-11.07	99.70	-753.33	90.35	-743.99	88.79
		127	0.83	18.39	-13.90	-13.25	17.75	-4.53	256.58	-27.78	189.38	39.41	
120.80													
		128	0.82	17.60	-4.63	-4.59	17.56	-0.91	282.97	-166.72	121.96	-5.71	
215.60													
		133	1.52	5.40	-8.85	-6.84	3.39	-4.95	77.29	-765.51	4.63	-692.85	

236.56													
55	13	134	1.04	24.59	-0.89	17.04	6.67	11.64	545.75	58.85	72.68	531.93	80.87
		127	0.39	14.18	-8.62	12.98	-7.42	5.09	14.61	-25.16	8.51	-19.06	14.34
		128	0.18	3.77	-8.22	3.59	-8.03	1.47	8.86	-20.84	-2.15	-9.83	-14.34
		133	0.79	8.03	-4.03	4.43	-0.44	5.52	471.50	63.01	63.41	471.10	12.74
55	14	134	0.53	10.63	-0.59	7.53	2.51	5.02	293.64	1.37	1.60	293.40	8.29
		127	0.29	6.17	-4.30	5.75	-3.88	2.06	-33.29	-109.00	-105.89	-36.40	-15.02
		128	0.35	1.51	-4.21	1.51	-4.21	-0.05	45.40	-162.01	-106.59	-10.02	-91.78
		133	0.67	2.28	-3.35	1.89	-2.97	1.42	327.93	-51.62	-5.34	281.65	-
124.19													
55	15	134	1.61	2.07	-11.54	-9.62	0.15	-4.73	174.19	-782.28	156.89	-764.98	
127.45													
		127	0.84	14.37	-6.46	-6.33	14.24	-1.63	373.83	-11.78	305.49	56.56	
147.25													
		128	1.02	13.83	-2.62	-2.60	13.81	0.54	426.93	-204.87	228.75	-6.68	
293.15													
		133	1.76	5.96	-4.49	-4.39	5.86	-1.03	201.28	-859.87	71.16	-729.75	
348.06													
55	16	134	1.25	2.01	-24.04	-18.30	-3.72	-10.79	119.80	-509.38	94.88	-484.47	
122.70													
		127	0.83	18.33	-13.55	-12.93	17.72	-4.39	257.82	-30.52	187.68	39.61	
123.71													
		128	0.82	17.51	-4.54	-4.51	17.48	-0.84	281.78	-166.71	119.61	-4.54	
215.48													
		133	1.27	5.34	-8.64	-6.75	3.45	-4.78	123.24	-582.89	6.84	-466.50	
262.00													
55	17	134	0.68	24.01	-0.86	16.63	6.52	11.36	282.69	57.87	68.15	272.41	46.96
		127	0.38	13.82	-8.55	12.67	-7.39	4.95	14.12	-23.17	10.21	-19.25	11.43
		128	0.19	3.67	-8.13	3.50	-7.96	1.40	9.89	-20.69	0.20	-10.99	-14.23
		133	0.45	7.79	-3.95	4.34	-0.50	5.35	245.62	60.32	61.19	244.75	-12.69
55	18	134	0.94	11.22	-0.62	7.94	2.65	5.30	556.16	2.90	6.14	552.92	42.21
		127	0.30	6.52	-4.37	6.06	-3.92	2.19	-34.20	-109.59	-107.60	-36.20	-12.11
		128	0.36	1.60	-4.29	1.60	-4.29	0.02	45.74	-163.53	-108.94	-8.85	-91.89
		133	0.97	2.45	-3.38	1.98	-2.90	1.59	526.42	-21.54	-3.12	508.00	-98.76
55	19	134	1.28	2.06	-11.69	-9.73	0.11	-4.80	192.38	-550.23	158.57	-516.42	
154.80													
		127	0.84	14.36	-6.55	-6.42	14.23	-1.65	371.57	-13.40	304.03	54.15	
146.42													
		128	1.01	13.81	-2.65	-2.63	13.79	0.51	422.28	-203.15	227.13	-8.00	
289.77													
		133	1.53	6.12	-4.53	-4.42	6.01	-1.07	252.41	-691.97	73.89	-513.44	
369.76													
55	20	134	1.58	2.07	-25.36	-19.23	-4.06	-11.42	95.45	-762.90	87.49	-754.95	82.23
		127	0.84	18.45	-14.34	-13.66	17.77	-4.69	253.01	-26.58	189.62	36.81	
117.07													
		128	0.82	17.66	-4.75	-4.71	17.62	-1.01	279.45	-164.94	122.70	-8.19	
212.34													
		133	1.53	5.61	-9.09	-6.96	3.48	-5.17	74.84	-772.59	5.14	-702.89	
232.83													
55	21	134	1.07	25.33	-0.92	17.56	6.85	11.98	558.71	59.72	75.54	542.89	87.42
		127	0.40	14.64	-8.69	13.39	-7.45	5.25	17.80	-25.99	8.27	-16.45	18.07
		128	0.18	3.91	-8.30	3.70	-8.09	1.57	6.19	-16.42	-2.89	-7.34	-11.09
		133	0.81	8.28	-4.26	4.56	-0.53	5.73	481.79	62.25	62.90	481.14	16.47
55	22	134	0.55	11.37	-0.63	8.05	2.69	5.37	305.10	3.73	4.46	304.37	14.85
		127	0.30	6.62	-4.37	6.15	-3.91	2.22	-32.07	-107.85	-106.13	-33.79	-11.29
		128	0.35	1.63	-4.27	1.63	-4.27	0.05	44.19	-159.04	-107.32	-7.53	-88.52
		133	0.69	2.50	-3.54	2.02	-3.06	1.63	334.35	-48.50	-5.85	291.69	-
120.46													
55	23	134	1.63	2.08	-12.25	-10.14	-0.04	-5.08	169.49	-791.40	154.04	-775.94	
120.89													
		127	0.85	14.41	-6.89	-6.74	14.26	-1.79	370.74	-11.06	305.73	53.95	
143.52													
		128	1.01	13.88	-2.73	-2.72	13.87	0.44	423.65	-203.33	229.49	-9.17	
289.89													
		133	1.77	6.10	-4.66	-4.51	5.95	-1.24	198.09	-866.21	71.67	-739.80	
344.33													
55	24	134	1.26	2.04	-24.77	-18.82	-3.91	-11.14	114.15	-517.56	92.03	-495.43	
116.14													
		127	0.83	18.39	-13.99	-13.34	17.74	-4.55	254.20	-29.27	187.92	37.01	
119.98													
		128	0.81	17.58	-4.66	-4.62	17.54	-0.94	278.23	-164.91	120.35	-7.02	
212.22													

		133	1.28	5.55	-8.88	-6.88	3.55	-5.00	119.30	-588.48	7.36	-476.54	
258.26													
55	25	134	0.71	24.74	-0.89	17.14	6.71	11.71	296.09	58.28	71.01	283.37	53.51
		127	0.39	14.28	-8.62	13.07	-7.41	5.11	16.83	-23.51	9.97	-16.65	15.16
		128	0.19	3.81	-8.21	3.62	-8.02	1.50	7.15	-16.19	-0.54	-8.51	-10.97
		133	0.46	8.05	-4.17	4.47	-0.59	5.56	255.20	60.27	60.68	254.79	-8.96
55	26	134	0.97	11.96	-0.66	8.46	2.84	5.64	568.14	4.74	8.99	563.89	48.76
		127	0.31	6.98	-4.44	6.47	-3.94	2.35	-32.66	-108.77	-107.84	-33.60	-8.38
		128	0.36	1.71	-4.35	1.71	-4.34	0.12	44.57	-160.61	-109.68	-6.36	-88.64
		133	0.99	2.68	-3.57	2.10	-3.00	1.80	534.81	-20.41	-3.64	518.04	-95.03
55	27	134	1.00	18.31	0.14	11.06	7.38	8.90	395.86	-46.67	213.28	135.91	
217.85													
		127	0.84	11.24	0.34	9.08	2.51	4.35	389.21	-4.85	333.91	50.45	
136.87													
		128	0.99	4.54	-0.84	2.04	1.65	2.68	438.90	-177.46	268.24	-6.80	
275.79													
		133	1.38	10.81	-2.45	1.72	6.65	6.16	513.94	-305.15	150.09	58.70	
406.99													
55	28	134	1.21	1.38	-28.49	-20.62	-6.49	-13.16	-22.72	-660.09	-23.63	-659.18	-24.05
		127	0.49	15.40	-16.14	-15.05	14.31	-5.76	16.47	-71.25	-47.43	-7.35	39.02
		128	0.38	14.69	-5.17	-4.88	14.40	-2.38	-3.36	-83.95	-79.87	-7.44	17.67
		133	0.96	3.64	-12.17	-6.75	-1.79	-7.50	-74.16	-577.71	-79.06	-572.80	-49.46
55	29	134	1.25	28.66	-0.43	18.94	9.29	13.72	550.31	83.48	186.66	447.12	
193.71													
		127	0.81	16.71	-5.91	14.78	-3.98	6.32	281.70	-8.67	245.32	27.70	96.12
		128	0.76	4.77	-5.77	3.87	-4.88	2.94	306.73	-115.14	199.68	-8.09	
183.58													
		133	1.24	12.61	-3.53	4.34	4.74	8.07	564.76	-66.61	147.10	351.05	
298.76													
55	30	134	0.68	0.62	-17.94	-12.74	-4.58	-8.33	-42.64	-355.57	-50.25	-347.97	-48.20
		127	0.44	8.61	-10.15	-9.35	7.82	-3.79	-30.06	-136.04	-136.02	-30.09	-1.73
		128	0.46	8.27	-3.44	-3.05	7.87	-2.12	23.57	-180.74	-148.44	-8.73	-74.54
		133	0.77	1.68	-9.51	-4.13	-3.69	-5.59	5.04	-367.54	-82.05	-280.45	-
157.69													
55	31	134	1.00	18.09	0.14	10.91	7.32	8.79	392.07	-47.02	212.43	132.62	
215.89													
		127	0.83	11.11	0.36	8.96	2.51	4.30	388.38	-4.74	333.98	49.67	
135.75													
		128	0.99	4.50	-0.82	2.00	1.67	2.65	437.98	-177.06	268.46	-7.55	
274.82													
		133	1.37	10.76	-2.40	1.68	6.67	6.09	511.58	-305.65	150.24	55.68	
405.87													
55	32	134	1.22	1.39	-28.71	-20.77	-6.55	-13.26	-23.43	-663.53	-24.49	-662.47	-26.02
		127	0.49	15.42	-16.27	-15.17	14.31	-5.81	14.93	-70.42	-47.36	-8.13	37.90
		128	0.38	14.71	-5.21	-4.91	14.42	-2.41	-4.48	-83.36	-79.65	-8.18	16.69
		133	0.96	3.70	-12.25	-6.79	-1.76	-7.57	-73.81	-580.91	-78.91	-575.81	-50.58
55	33	134	1.26	28.88	-0.44	19.09	9.35	13.83	554.69	83.24	187.52	450.41	
195.67													
		127	0.81	16.85	-5.94	14.90	-3.99	6.37	282.48	-8.74	245.25	28.49	97.24
		128	0.77	4.81	-5.80	3.90	-4.89	2.97	307.61	-115.50	199.46	-7.35	
184.56													
		133	1.24	12.68	-3.59	4.38	4.71	8.13	567.76	-66.76	146.94	354.06	
299.88													
55	34	134	0.67	0.61	-17.72	-12.59	-4.52	-8.23	-42.33	-351.75	-49.40	-344.68	-46.23
		127	0.44	8.59	-10.01	-9.23	7.81	-3.74	-29.31	-136.09	-136.09	-29.31	-0.61
		128	0.46	8.24	-3.40	-3.01	7.85	-2.09	23.46	-180.10	-148.66	-7.99	-73.56
		133	0.76	1.62	-9.44	-4.09	-3.72	-5.53	4.68	-364.33	-82.21	-277.44	-
156.57													
55	35	134	1.51	16.39	0.20	9.70	6.90	7.97	209.88	-740.86	198.18	-729.16	
104.82													
		127	0.80	10.06	0.57	8.02	2.61	3.90	387.48	1.90	339.58	49.79	
127.17													
		128	0.99	4.29	-0.62	1.76	1.91	2.45	443.88	-178.49	276.09	-10.69	
276.18													
		133	1.63	10.05	-2.19	1.43	6.44	5.58	252.22	-805.32	142.71	-695.80	
322.21													
55	36	134	0.73	1.28	-26.54	-19.25	-6.01	-12.24	238.00	-40.64	-8.52	205.88	88.98
		127	0.48	15.17	-14.95	-13.99	14.20	-5.31	24.05	-83.85	-53.10	-6.70	48.71
		128	0.39	14.39	-4.84	-4.60	14.15	-2.15	-0.13	-91.13	-87.71	-3.55	17.29
		133	0.45	3.33	-11.37	-6.46	-1.58	-6.93	186.53	-76.51	-71.68	181.70	35.32
55	37	134	1.15	26.72	-0.34	17.57	8.81	12.80	182.39	-428.78	171.55	-417.94	80.67
		127	0.78	15.50	-5.66	13.72	-3.88	5.87	280.47	-2.42	251.00	27.05	86.43

		128	0.76	4.40	-5.44	3.59	-4.62	2.71	311.98	-116.45	207.52	-11.99
183.96												
		133	1.15	11.79	-3.21	4.05	4.53	7.50	213.89	-477.62	139.72	-403.45
213.98												
55	38	134	0.96	0.51	-15.99	-11.37	-4.10	-7.41	524.61	-42.66	-35.15	517.10 64.83
		127	0.43	8.38	-8.95	-8.29	7.71	-3.34	-28.88	-142.25	-141.69	-29.44 7.96
		128	0.47	7.95	-3.10	-2.77	7.62	-1.89	25.96	-187.08	-156.28	-4.84-74.92
		133	0.91	1.36	-8.69	-3.84	-3.49	-5.02	483.57	-84.19	-74.67	474.05-72.91
55	39	134	1.51	16.17	0.21	9.54	6.84	7.87	208.56	-743.69	197.32	-732.45
102.85												
		127	0.80	9.93	0.59	7.90	2.62	3.85	386.71	1.96	339.65	49.01
126.05												
		128	0.99	4.25	-0.60	1.73	1.93	2.42	442.97	-178.10	276.31	-11.44
275.20												
		133	1.63	10.00	-2.15	1.39	6.46	5.52	251.36	-807.32	142.86	-698.82
321.09												
55	40	134	0.72	1.29	-26.76	-19.40	-6.07	-12.34	233.74	-40.52	-9.38	202.60 87.01
		127	0.48	15.19	-15.09	-14.11	14.21	-5.36	22.51	-83.01	-53.03	-7.48 47.59
		128	0.39	14.41	-4.88	-4.63	14.16	-2.18	-1.21	-90.58	-87.49	-4.29 16.31
		133	0.45	3.40	-11.44	-6.49	-1.55	-7.00	183.28	-76.12	-71.53	178.69 34.20
55	41	134	1.15	26.94	-0.34	17.73	8.87	12.90	183.82	-426.07	172.41	-414.65 82.64
		127	0.78	15.64	-5.68	13.84	-3.88	5.92	281.18	-2.42	250.92	27.83 87.55
		128	0.77	4.45	-5.47	3.62	-4.64	2.74	312.84	-116.78	207.30	-11.24
184.94												
		133	1.15	11.86	-3.27	4.09	4.50	7.56	214.77	-475.65	139.56	-400.44
215.10												
55	42	134	0.97	0.51	-15.77	-11.22	-4.04	-7.30	528.32	-42.22	-34.29	520.39 66.80
		127	0.42	8.36	-8.82	-8.16	7.70	-3.29	-27.93	-142.48	-141.76	-28.66 9.08
		128	0.47	7.92	-3.06	-2.73	7.60	-1.86	25.89	-186.48	-156.50	-4.09-73.95
		133	0.92	1.30	-8.62	-3.80	-3.51	-4.96	486.25	-84.01	-74.82	477.06-71.79
55	43	134	1.08	1.82	-8.76	-7.47	0.52	-3.46	178.39	-457.47	144.16	-423.24
143.51												
		127	0.72	12.38	-4.86	-4.79	12.31	-1.12	322.98	-15.88	260.40	46.69
131.48												
		128	0.86	11.87	-2.12	-2.10	11.85	0.55	362.98	-178.11	191.26	-6.39
251.85												
		133	1.29	5.02	-3.70	-3.65	4.97	-0.61	223.91	-581.10	65.32	-422.51
320.18												
55	44	134	1.32	1.75	-19.50	-14.98	-2.77	-8.69	98.97	-620.07	88.16	-609.26 87.50
		127	0.72	15.56	-10.99	-10.51	15.09	-3.52	230.94	-27.58	170.37	32.99
109.50												
		128	0.72	14.88	-3.76	-3.74	14.86	-0.66	250.52	-147.65	108.96	-6.10
190.59												
		133	1.28	4.44	-7.13	-5.66	2.97	-3.85	80.29	-639.08	11.06	-569.85
212.15												
55	45	134	0.83	19.47	-0.60	13.30	5.57	9.26	416.93	55.15	74.87	397.20 82.15
		127	0.34	11.28	-5.80	10.24	-4.77	4.08	40.01	-25.13	27.52	-12.64 25.64
		128	0.16	2.91	-5.51	2.73	-5.33	1.22	15.42	-14.01	10.85	-9.43 10.66
		133	0.57	6.32	-3.09	3.25	-0.02	4.42	352.76	52.31	56.98	348.09 37.15
55	46	134	0.39	8.42	-0.36	5.79	2.27	4.03	214.67	15.38	18.87	211.18 26.14
		127	0.18	4.93	-2.39	4.52	-1.98	1.69	-25.97	-62.88	-62.51	-26.34 3.66
		128	0.21	1.09	-2.33	1.09	-2.33	0.02	19.13	-99.71	-71.45	-9.14-50.60
		133	0.45	1.62	-2.40	1.25	-2.02	1.17	223.51	-20.04	2.72	200.76-70.88
55	47	134	1.35	1.82	-9.20	-7.79	0.41	-3.68	158.05	-643.50	140.61	-626.05
116.97												
		127	0.72	12.42	-5.13	-5.04	12.33	-1.23	322.30	-13.96	261.78	46.55
129.17												
		128	0.87	11.93	-2.18	-2.17	11.91	0.49	364.07	-178.19	193.17	-7.29
251.92												
		133	1.47	4.99	-3.79	-3.72	4.92	-0.75	179.40	-715.21	63.60	-599.42
300.30												
55	48	134	1.07	1.73	-19.04	-14.65	-2.65	-8.47	116.58	-431.32	91.71	-406.45
114.05												
		127	0.71	15.52	-10.71	-10.26	15.06	-3.41	231.89	-29.76	168.99	33.13
111.81												
		128	0.71	14.82	-3.69	-3.67	14.80	-0.60	249.54	-147.69	107.05	-5.20
190.52												
		133	1.09	4.40	-6.97	-5.59	3.02	-3.72	118.12	-498.28	12.78	-392.94
232.03												
55	49	134	0.57	19.00	-0.57	12.97	5.45	9.04	215.79	49.92	71.32	194.39 55.60
		127	0.33	10.99	-5.74	9.99	-4.74	3.98	39.34	-23.22	28.90	-12.78 23.33
		128	0.16	2.83	-5.44	2.67	-5.27	1.16	16.97	-14.55	12.76	-10.33 10.73

		133	0.30	6.13	-3.02	3.18	-0.07	4.28	173.70	52.74	55.26	171.19	17.27
55	50	134	0.73	8.89	-0.39	6.11	2.39	4.25	420.96	15.46	22.42	413.99	52.69
		127	0.18	5.22	-2.45	4.77	-2.01	1.79	-25.27	-64.81	-63.89	-26.20	5.96
		128	0.22	1.16	-2.39	1.16	-2.39	0.07	19.43	-101.03	-73.36	-8.24	-50.67
		133	0.69	1.77	-2.43	1.32	-1.97	1.31	384.51	-2.41	4.43	377.66	-51.00
55	51	134	1.09	1.82	-9.32	-7.87	0.38	-3.74	173.21	-462.93	141.72	-431.44	
137.99													
		127	0.72	12.41	-5.20	-5.11	12.32	-1.25	320.11	-15.26	260.36	44.49	
128.33													
		128	0.86	11.91	-2.21	-2.19	11.89	0.47	359.83	-176.51	191.71	-8.39	
248.81													
		133	1.30	5.11	-3.82	-3.75	5.05	-0.77	220.01	-584.26	65.71	-429.97	
316.68													
55	52	134	1.33	1.77	-20.08	-15.39	-2.92	-8.97	95.15	-626.89	85.71	-617.46	81.99
		127	0.72	15.61	-11.34	-10.83	15.10	-3.65	227.75	-26.63	170.33	30.79	
106.35													
		128	0.71	14.93	-3.86	-3.83	14.90	-0.73	247.20	-145.88	109.41	-8.09	
187.56													
		133	1.29	4.60	-7.31	-5.76	3.04	-4.02	77.90	-643.75	11.45	-577.31	
208.65													
55	53	134	0.85	20.05	-0.62	13.71	5.71	9.53	427.36	55.36	77.32	405.40	87.66
		127	0.35	11.64	-5.86	10.56	-4.78	4.21	43.06	-25.93	27.57	-10.44	28.79
		128	0.16	3.02	-5.58	2.82	-5.38	1.30	17.82	-14.87	10.39	-7.44	13.70
		133	0.59	6.52	-3.26	3.35	-0.09	4.58	360.98	51.16	56.58	355.55	40.65
55	54	134	0.42	9.01	-0.39	6.20	2.42	4.30	224.32	16.38	21.31	219.38	31.66
		127	0.18	5.29	-2.45	4.84	-2.00	1.81	-22.96	-63.64	-62.46	-24.13	6.81
		128	0.21	1.19	-2.37	1.18	-2.37	0.09	18.01	-97.06	-71.90	-7.14	-47.56
		133	0.46	1.80	-2.55	1.34	-2.09	1.34	228.30	-17.77	2.32	208.22	-67.38
55	55	134	1.36	1.82	-9.76	-8.20	0.26	-3.96	153.92	-650.01	138.16	-634.25	
111.45													
		127	0.72	12.45	-5.47	-5.36	12.35	-1.36	319.46	-13.38	261.74	44.35	
126.02													
		128	0.87	11.97	-2.27	-2.26	11.95	0.42	360.93	-176.60	193.62	-9.29	
248.88													
		133	1.48	5.09	-3.91	-3.82	5.00	-0.91	176.45	-719.33	64.00	-606.88	
296.80													
55	56	134	1.07	1.75	-19.61	-15.06	-2.80	-8.75	111.65	-437.03	89.27	-414.65	
108.53													
		127	0.72	15.56	-11.06	-10.58	15.08	-3.54	228.66	-28.78	168.95	30.93	
108.66													
		128	0.71	14.86	-3.79	-3.76	14.84	-0.68	246.21	-145.90	107.50	-7.19	
187.48													
		133	1.10	4.56	-7.16	-5.69	3.09	-3.88	114.59	-501.81	13.17	-400.40	
228.53													
55	57	134	0.60	19.58	-0.60	13.38	5.60	9.31	226.97	49.38	73.76	202.59	61.12
		127	0.34	11.36	-5.80	10.31	-4.75	4.10	42.23	-23.86	28.95	-10.58	26.48
		128	0.17	2.94	-5.50	2.75	-5.31	1.24	19.19	-15.22	12.30	-8.34	13.77
		133	0.32	6.33	-3.19	3.28	-0.14	4.44	182.04	51.47	54.86	178.65	20.77
55	58	134	0.75	9.47	-0.41	6.52	2.54	4.52	430.54	16.52	24.87	422.19	58.20
		127	0.19	5.58	-2.51	5.09	-2.02	1.92	-22.01	-65.83	-63.84	-23.99	9.11
		128	0.21	1.26	-2.44	1.25	-2.43	0.15	18.37	-98.42	-73.81	-6.24	-47.63
		133	0.71	1.96	-2.59	1.41	-2.04	1.47	390.96	-1.79	4.04	385.12	-47.50
55	59	134	0.84	14.55	0.15	8.57	6.13	7.09	327.59	-61.40	185.25	80.94	
187.37													
		127	0.70	9.17	1.07	7.15	3.09	3.50	333.40	-7.56	283.93	41.91	
120.08													
		128	0.85	4.14	-0.31	1.50	2.33	2.19	373.72	-157.40	224.12	-7.80	
238.90													
		133	1.16	8.74	-2.08	1.10	5.56	4.93	423.62	-278.82	125.70	19.10	
347.15													
55	60	134	1.03	1.21	-22.53	-16.48	-4.85	-10.35	-1.43	-539.13	-1.43	-539.13	0.69
		127	0.43	13.17	-12.74	-11.93	12.36	-4.50	37.26	-57.18	-16.17	-3.75	46.81
		128	0.30	12.56	-4.16	-3.96	12.36	-1.82	12.42	-69.43	-50.19	-6.82	34.71
		133	0.78	2.94	-9.63	-5.58	-1.11	-5.88	-54.76	-472.43	-55.16	-472.03	-12.94
55	61	134	1.01	22.70	-0.26	14.80	7.64	10.91	433.28	58.26	164.46	327.07	
168.96													
		127	0.68	13.33	-3.70	11.66	-2.04	5.06	248.79	-10.62	214.06	24.11	88.33
		128	0.66	3.81	-3.69	2.95	-2.83	2.39	269.64	-108.36	170.00	-8.72	
166.54													
		133	1.03	10.07	-2.84	3.17	4.06	6.44	456.57	-83.09	123.20	250.28	
262.24													
55	62	134	0.53	0.60	-14.18	-10.25	-3.33	-6.53	-21.06	-294.16	-22.22	-293.00	-17.72

		127	0.32	7.80	-7.99	-7.42	7.24	-2.94	-18.21	-89.38	-86.04	-21.55	15.05
		128	0.32	7.46	-2.77	-2.51	7.20	-1.62	5.21	-117.26	-104.32	-7.73	-37.65
		133	0.57	1.33	-7.45	-3.51	-2.61	-4.37	-15.23	-283.29	-57.67	-240.85	-97.85
55	63	134	0.83	14.38	0.16	8.45	6.09	7.01	324.64	-61.64	184.52	78.48	
185.72													
		127	0.70	9.06	1.08	7.06	3.09	3.46	332.63	-7.47	283.91	41.25	
119.14													
		128	0.84	4.11	-0.30	1.48	2.34	2.16	372.83	-156.97	224.26	-8.40	
237.99													
		133	1.16	8.71	-2.05	1.07	5.58	4.88	421.70	-279.02	125.82	16.86	
346.10													
55	64	134	1.03	1.22	-22.71	-16.60	-4.89	-10.43	-2.16	-541.59	-2.17	-541.59	-0.97
		127	0.43	13.18	-12.84	-12.03	12.36	-4.54	35.94	-56.54	-16.19	-4.41	45.86
		128	0.30	12.57	-4.19	-3.99	12.37	-1.85	11.23	-68.70	-50.06	-7.42	33.80
		133	0.78	2.99	-9.69	-5.61	-1.09	-5.93	-54.58	-474.74	-55.05	-474.27	-13.99
55	65	134	1.02	22.88	-0.27	14.92	7.69	10.99	436.74	57.99	165.20	329.53	
170.62													
		127	0.68	13.44	-3.72	11.76	-2.04	5.10	249.54	-10.69	214.08	24.77	89.28
		128	0.66	3.85	-3.71	2.98	-2.84	2.41	270.51	-108.76	169.86	-8.12	
167.45													
		133	1.04	10.12	-2.88	3.20	4.04	6.49	458.93	-83.33	123.08	252.52	
263.29													
55	66	134	0.53	0.59	-14.01	-10.13	-3.29	-6.45	-20.53	-291.50	-21.49	-290.54	-16.06
		127	0.32	7.79	-7.88	-7.32	7.23	-2.90	-17.17	-89.74	-86.02	-20.89	16.00
		128	0.32	7.44	-2.74	-2.48	7.19	-1.60	5.18	-116.76	-104.45	-7.13	-36.74
		133	0.56	1.28	-7.40	-3.48	-2.63	-4.32	-15.74	-280.65	-57.79	-238.61	-96.80
55	67	134	1.25	13.03	0.20	7.48	5.75	6.36	185.92	-607.62	173.40	-595.10	98.89
		127	0.68	8.25	1.23	6.30	3.17	3.14	332.00	-2.03	288.53	41.44	
112.39													
		128	0.85	4.00	-0.19	1.28	2.53	2.00	377.69	-158.00	230.49	-10.80	
239.14													
		133	1.36	8.15	-1.89	0.87	5.39	4.48	219.80	-670.42	119.98	-570.60	
280.89													
55	68	134	0.61	1.13	-20.98	-15.39	-4.46	-9.61	182.98	-35.66	10.42	136.91	89.17
		127	0.42	12.98	-11.79	-11.08	12.27	-4.14	43.17	-67.23	-20.77	-3.28	54.50
		128	0.31	12.32	-3.90	-3.74	12.15	-1.64	13.22	-73.59	-56.56	-3.82	34.47
		133	0.37	2.71	-9.00	-5.35	-0.95	-5.42	133.23	-65.00	-49.44	117.66	53.32
55	69	134	0.97	21.16	-0.19	13.71	7.26	10.17	165.21	-361.56	152.62	-348.97	80.48
		127	0.65	12.36	-3.49	10.81	-1.95	4.70	247.68	-5.38	218.66	23.64	80.63
		128	0.66	3.52	-3.41	2.73	-2.62	2.20	273.79	-109.14	176.37	-11.72	
166.78													
		133	0.99	9.42	-2.59	2.94	3.90	5.99	190.02	-411.96	117.47	-339.42	
195.98													
55	70	134	0.73	0.52	-12.63	-9.16	-2.95	-5.79	395.38	-22.71	-10.37	383.04	70.76
		127	0.31	7.62	-7.04	-6.57	7.15	-2.58	-14.30	-97.42	-90.64	-21.08	22.75
		128	0.33	7.21	-2.50	-2.29	6.99	-1.44	7.42	-122.84	-110.69	-4.73	-37.88
		133	0.66	1.08	-6.80	-3.28	-2.44	-3.91	351.32	-54.41	-51.94	348.84	-31.59
55	71	134	1.25	12.86	0.20	7.36	5.71	6.27	184.75	-609.64	172.67	-597.56	97.24
		127	0.67	8.15	1.24	6.21	3.18	3.10	331.27	-1.97	288.52	40.78	
111.44													
		128	0.84	3.98	-0.18	1.25	2.54	1.98	376.81	-157.59	230.63	-11.40	
238.22													
		133	1.36	8.11	-1.86	0.84	5.42	4.43	218.99	-671.73	120.09	-572.83	
279.84													
55	72	134	0.61	1.14	-21.15	-15.51	-4.51	-9.69	179.54	-35.41	9.68	134.45	87.51
		127	0.42	13.00	-11.90	-11.18	12.28	-4.18	41.85	-66.58	-20.79	-3.95	53.56
		128	0.31	12.33	-3.93	-3.76	12.16	-1.66	12.04	-72.88	-56.43	-4.42	33.56
		133	0.37	2.76	-9.06	-5.38	-0.92	-5.47	130.61	-64.50	-49.32	115.42	52.27
55	73	134	0.97	21.33	-0.19	13.83	7.31	10.26	166.50	-359.66	153.35	-346.51	82.14
		127	0.66	12.47	-3.51	10.91	-1.95	4.74	248.38	-5.40	218.68	24.30	81.58
		128	0.66	3.56	-3.44	2.76	-2.64	2.23	274.64	-109.52	176.24	-11.12	
167.69													
		133	0.99	9.47	-2.63	2.97	3.88	6.03	190.87	-410.70	117.35	-337.18	
197.03													
55	74	134	0.74	0.51	-12.45	-9.03	-2.91	-5.71	398.35	-22.49	-9.64	385.50	72.42
		127	0.31	7.60	-6.93	-6.48	7.15	-2.54	-13.17	-97.87	-90.62	-20.42	23.70
		128	0.33	7.19	-2.47	-2.26	6.98	-1.42	7.43	-122.38	-110.82	-4.13	-36.97
		133	0.66	1.03	-6.74	-3.25	-2.46	-3.87	353.38	-54.36	-52.06	351.08	-30.54
55	75	134	0.96	1.67	-7.31	-6.32	0.67	-2.81	166.81	-401.70	133.43	-368.32	
133.66													
		127	0.64	11.12	-4.03	-3.98	11.07	-0.88	290.70	-17.69	232.55	40.46	
120.63													

		128	0.77	10.64	-1.84	-1.82	10.62	0.50	323.29	-161.31	168.55	-6.57	
225.92													
		133	1.14	4.40	-3.26	-3.23	4.37	-0.46	203.50	-512.19	59.88	-368.57	
286.63													
55	76	134	1.15	1.57	-16.14	-12.53	-2.05	-7.14	99.38	-534.47	87.13	-522.22	87.27
		127	0.64	13.74	-9.07	-8.71	13.37	-2.86	214.62	-27.38	158.11	29.13	
102.38													
		128	0.65	13.13	-3.19	-3.18	13.11	-0.49	230.32	-136.16	100.52	-6.36	
175.28													
		133	1.13	3.84	-6.01	-4.89	2.72	-3.14	82.92	-558.39	15.02	-490.49	
197.31													
55	77	134	0.69	16.11	-0.42	10.85	4.85	7.70	336.23	49.84	75.91	310.16	82.38
		127	0.31	9.39	-3.99	8.44	-3.05	3.42	56.28	-25.27	39.79	-8.78	32.76
		128	0.16	2.36	-3.77	2.17	-3.59	1.06	34.68	-24.56	19.29	-9.18	25.97
		133	0.48	5.22	-2.51	2.48	0.24	3.70	280.61	41.14	53.02	268.73	51.99
55	78	134	0.33	6.98	-0.22	4.64	2.12	3.38	165.78	20.09	29.60	156.26	36.00
		127	0.11	4.14	-1.17	3.71	-0.75	1.44	-11.15	-43.61	-34.66	-20.10	14.51
		128	0.12	0.82	-1.10	0.82	-1.10	0.06	2.84	-60.54	-48.75	-8.96	-24.67
		133	0.30	1.22	-1.81	0.82	-1.42	1.02	156.23	-1.25	8.16	146.82	-37.33
55	79	134	1.18	1.67	-7.67	-6.59	0.58	-3.00	148.71	-554.31	130.49	-536.09	
111.70													
		127	0.65	11.15	-4.25	-4.19	11.09	-0.97	290.12	-16.09	233.69	40.34	
118.72													
		128	0.78	10.69	-1.90	-1.88	10.68	0.46	324.18	-161.37	170.13	-7.32	
225.99													
		133	1.29	4.37	-3.33	-3.29	4.33	-0.57	165.72	-622.17	58.46	-514.91	
270.19													
55	80	134	0.95	1.55	-15.76	-12.26	-1.95	-6.95	115.45	-379.84	90.06	-354.45	
109.23													
		127	0.64	13.70	-8.85	-8.50	13.35	-2.77	215.40	-29.18	156.97	29.25	
104.29													
		128	0.65	13.07	-3.13	-3.12	13.06	-0.45	229.51	-136.19	98.94	-5.61	
175.22													
		133	0.98	3.81	-5.89	-4.83	2.76	-3.02	115.78	-443.49	16.44	-344.15	
213.76													
55	81	134	0.50	15.73	-0.40	10.58	4.75	7.52	177.37	37.99	72.97	142.39	60.43
		127	0.31	9.15	-3.94	8.23	-3.03	3.34	55.67	-23.63	40.93	-8.89	30.85
		128	0.16	2.29	-3.71	2.12	-3.54	1.01	35.72	-24.77	20.87	-9.92	26.03
		133	0.27	5.06	-2.45	2.42	0.19	3.59	137.17	36.83	51.60	122.40	35.55
55	82	134	0.59	7.37	-0.24	4.91	2.22	3.56	335.12	21.44	32.54	324.03	57.95
		127	0.12	4.38	-1.22	3.92	-0.77	1.53	-9.67	-46.11	-35.79	-19.99	16.42
		128	0.13	0.88	-1.16	0.87	-1.15	0.11	3.21	-61.75	-50.32	-8.21	-24.73
		133	0.52	1.35	-1.85	0.88	-1.38	1.13	294.69	8.05	9.58	293.15	-20.89
55	83	134	0.97	1.66	-7.76	-6.65	0.55	-3.04	162.40	-406.13	131.41	-375.13	
129.08													
		127	0.64	11.15	-4.31	-4.24	11.08	-0.98	288.29	-17.14	232.51	38.64	
118.01													
		128	0.77	10.67	-1.91	-1.90	10.66	0.44	320.68	-159.98	168.93	-8.23	
223.41													
		133	1.15	4.47	-3.36	-3.31	4.43	-0.59	200.22	-514.79	60.20	-374.77	
283.74													
55	84	134	1.16	1.58	-16.62	-12.86	-2.17	-7.36	96.04	-539.97	85.10	-529.02	82.70
		127	0.64	13.77	-9.36	-8.98	13.38	-2.97	211.96	-26.58	158.07	27.31	99.76
		128	0.65	13.17	-3.27	-3.25	13.15	-0.56	227.59	-134.71	100.89	-8.01	
172.77													
		133	1.14	3.97	-6.16	-4.97	2.78	-3.27	80.80	-562.14	15.34	-496.68	
194.42													
55	85	134	0.71	16.59	-0.44	11.19	4.97	7.93	345.25	49.64	77.93	316.96	86.96
		127	0.32	9.69	-4.04	8.71	-3.06	3.53	58.85	-25.98	39.82	-6.96	35.38
		128	0.17	2.45	-3.83	2.25	-3.62	1.12	37.10	-25.70	18.92	-7.52	28.48
		133	0.49	5.38	-2.65	2.56	0.18	3.84	287.74	39.88	52.69	274.93	54.88
55	86	134	0.35	7.46	-0.24	4.98	2.25	3.60	174.59	20.11	31.62	163.07	40.57
		127	0.12	4.44	-1.22	3.98	-0.76	1.55	-7.47	-45.43	-34.62	-18.28	17.13
		128	0.12	0.90	-1.14	0.89	-1.13	0.13	2.26	-58.68	-49.12	-7.30	-22.16
		133	0.31	1.37	-1.95	0.90	-1.48	1.16	160.77	0.08	7.83	153.02	-34.44
55	87	134	1.18	1.67	-8.13	-6.92	0.46	-3.22	145.15	-559.57	128.47	-542.89	
107.13													
		127	0.65	11.18	-4.53	-4.45	11.10	-1.07	287.74	-15.56	233.65	38.52	
116.10													
		128	0.78	10.72	-1.96	-1.95	10.71	0.39	321.59	-160.06	170.51	-8.98	
223.48													
		133	1.30	4.45	-3.43	-3.37	4.39	-0.70	163.20	-625.52	58.78	-521.10	

267.30													
55	88	134	0.95	1.57	-16.24	-12.59	-2.07	-7.18	111.22	-384.44	88.04	-361.26	
104.65													
		127	0.64	13.73	-9.13	-8.77	13.36	-2.88	212.71	-28.35	156.93	27.43	
101.66													
		128	0.64	13.11	-3.21	-3.20	13.10	-0.51	226.77	-134.72	99.32	-7.27	
172.71													
		133	0.98	3.94	-6.04	-4.91	2.82	-3.16	112.77	-446.36	16.77	-350.35	
210.86													
55	89	134	0.52	16.21	-0.42	10.92	4.87	7.74	186.94	37.25	74.99	149.20	65.00
		127	0.32	9.45	-3.99	8.50	-3.04	3.44	58.14	-24.25	40.96	-7.07	33.47
		128	0.17	2.38	-3.76	2.19	-3.57	1.08	38.07	-25.85	20.49	-8.26	28.54
		133	0.29	5.23	-2.59	2.50	0.14	3.72	144.45	35.42	51.27	128.59	38.44
55	90	134	0.61	7.85	-0.26	5.25	2.34	3.79	343.49	21.91	34.56	330.83	62.53
		127	0.12	4.68	-1.27	4.19	-0.78	1.63	-5.99	-47.94	-35.76	-18.17	19.04
		128	0.13	0.96	-1.20	0.95	-1.19	0.17	2.69	-59.95	-50.70	-6.56	-22.22
		133	0.53	1.51	-1.98	0.96	-1.44	1.27	300.46	8.14	9.25	299.35	-18.00
55	91	134	0.74	12.09	0.16	6.94	5.31	5.91	287.89	-71.88	167.32	48.69	
169.82													
		127	0.62	7.85	1.48	5.89	3.45	2.94	299.00	-10.62	251.93	36.44	
111.16													
		128	0.75	3.97	-0.07	1.16	2.75	1.85	331.85	-143.90	195.69	-7.74	
215.03													
		133	1.02	7.40	-1.84	0.70	4.85	4.12	367.12	-260.58	109.81	-3.28	
308.71													
55	92	134	0.91	1.10	-18.63	-13.77	-3.76	-8.50	13.45	-464.78	12.97	-464.29	15.21
		127	0.40	11.74	-10.50	-9.88	11.11	-3.67	51.64	-49.16	3.79	-1.31	50.34
		128	0.26	11.19	-3.51	-3.36	11.04	-1.46	28.70	-66.81	-31.10	-7.01	46.21
		133	0.70	2.50	-7.98	-4.82	-0.66	-4.81	-39.40	-409.99	-39.72	-409.66	10.98
55	93	134	0.86	18.80	-0.15	12.09	6.56	9.07	363.82	38.48	150.06	252.23	
154.44													
		127	0.60	11.12	-2.29	9.61	-0.79	4.23	228.82	-13.05	194.10	21.67	84.80
		128	0.59	3.22	-2.38	2.35	-1.52	2.02	245.53	-103.14	150.91	-8.52	
155.04													
		133	0.90	8.42	-2.39	2.41	3.61	5.37	389.50	-93.83	107.76	187.91	
238.32													
55	94	134	0.50	0.60	-11.72	-8.62	-2.51	-5.35	-4.29	-260.75	-4.29	-260.75	-0.17
		127	0.25	7.30	-6.58	-6.16	6.88	-2.38	-4.49	-65.64	-54.04	-16.09	23.98
		128	0.24	6.96	-2.34	-2.16	6.78	-1.29	-5.11	-78.56	-75.88	-7.79	-13.77
		133	0.45	1.11	-6.12	-3.11	-1.90	-3.56	-23.66	-236.59	-41.78	-218.47	-59.41
55	95	134	0.74	11.95	0.16	6.84	5.27	5.84	285.51	-72.15	166.71	46.65	
168.45													
		127	0.62	7.77	1.49	5.81	3.45	2.91	298.34	-10.52	251.92	35.90	
110.38													
		128	0.75	3.95	-0.06	1.13	2.76	1.84	331.10	-143.54	195.80	-8.24	
214.27													
		133	1.02	7.36	-1.82	0.68	4.87	4.08	365.56	-260.79	109.91	-5.14	
307.85													
55	96	134	0.91	1.11	-18.77	-13.87	-3.80	-8.57	12.76	-466.73	12.36	-466.33	13.84
		127	0.40	11.75	-10.59	-9.96	11.12	-3.70	50.59	-48.67	3.78	-1.86	49.55
		128	0.26	11.20	-3.53	-3.38	11.05	-1.48	27.70	-66.20	-30.99	-7.51	45.46
		133	0.70	2.54	-8.03	-4.85	-0.64	-4.85	-39.35	-411.80	-39.62	-411.52	10.11
55	97	134	0.87	18.95	-0.16	12.19	6.60	9.13	366.67	38.28	150.67	254.28	
155.81													
		127	0.60	11.21	-2.31	9.69	-0.79	4.26	229.46	-13.13	194.11	22.22	85.59
		128	0.60	3.25	-2.40	2.38	-1.53	2.04	246.25	-103.48	150.80	-8.02	
155.79													
		133	0.91	8.46	-2.43	2.44	3.59	5.41	391.40	-93.97	107.66	189.77	
239.19													
55	98	134	0.50	0.59	-11.58	-8.51	-2.47	-5.28	-3.68	-258.71	-3.68	-258.71	1.20
		127	0.25	7.29	-6.49	-6.08	6.87	-2.35	-3.42	-66.14	-54.03	-15.54	24.76
		128	0.24	6.94	-2.32	-2.14	6.77	-1.27	-4.91	-78.38	-76.00	-7.30	-13.02
		133	0.44	1.07	-6.07	-3.09	-1.92	-3.52	-24.07	-234.41	-41.88	-216.61	-58.55
55	99	134	1.09	10.84	0.19	6.04	4.99	5.30	171.22	-524.22	157.52	-510.52	96.65
		127	0.60	7.13	1.58	5.19	3.52	2.65	297.71	-5.92	255.73	36.06	
104.80													
		128	0.75	3.91	-0.02	0.97	2.92	1.70	335.10	-144.37	200.95	-10.22	
215.23													
		133	1.19	6.91	-1.69	0.51	4.72	3.75	198.56	-584.55	105.08	-491.07	
253.91													
55	100	134	0.54	1.04	-17.35	-12.86	-3.45	-7.89	154.31	-36.63	22.77	94.92	88.39
		127	0.39	11.59	-9.73	-9.18	11.04	-3.37	56.23	-57.16	-5.59e-03	-0.93	56.70

		128	0.27	10.99	-3.30	-3.18	10.87	-1.31	28.24	-69.13	-36.36	-4.53	46.01
		133	0.34	2.31	-7.46	-4.63	-0.52	-4.43	108.32	-65.18	-34.98	78.12	65.78
55	101	134	0.86	17.53	-0.10	11.18	6.25	8.46	154.57	-321.28	140.27	-306.98	81.26
		127	0.58	10.32	-2.12	8.91	-0.72	3.94	227.71	-8.52	197.90	21.29	78.44
		128	0.59	2.98	-2.15	2.17	-1.34	1.87	248.90	-103.74	156.17	-11.00	
155.25													
		133	0.89	7.88	-2.19	2.22	3.48	5.00	174.08	-370.94	103.02	-299.88	
183.52													
55	102	134	0.59	0.53	-10.44	-7.71	-2.20	-4.74	315.65	-11.68	5.51	298.46	73.01
		127	0.24	7.15	-5.80	-5.46	6.81	-2.08	0.16	-73.70	-57.83	-15.70	30.33
		128	0.25	6.76	-2.13	-1.98	6.61	-1.14	-2.81	-83.63	-81.14	-5.31	-13.98
		133	0.50	0.90	-5.58	-2.92	-1.76	-3.19	269.38	-37.11	-37.04	269.31	-4.61
55	103	134	1.09	10.70	0.19	5.93	4.96	5.24	170.21	-525.86	156.92	-512.56	95.27
		127	0.60	7.05	1.58	5.11	3.52	2.61	297.08	-5.85	255.72	35.51	
104.02													
		128	0.75	3.89	-0.02	0.95	2.93	1.68	334.36	-144.02	201.06	-10.72	
214.48													
		133	1.19	6.88	-1.67	0.48	4.73	3.71	197.87	-585.62	105.17	-492.93	
253.05													
55	104	134	0.54	1.04	-17.49	-12.96	-3.48	-7.96	151.44	-36.41	22.16	92.88	87.02
		127	0.39	11.60	-9.82	-9.26	11.05	-3.40	55.17	-56.66	-0.02	-1.48	55.91
		128	0.27	11.00	-3.32	-3.20	10.88	-1.33	27.24	-68.51	-36.25	-5.03	45.25
		133	0.34	2.35	-7.51	-4.65	-0.51	-4.47	106.14	-64.77	-34.88	76.26	64.92
55	105	134	0.86	17.67	-0.10	11.29	6.28	8.53	155.70	-319.76	140.87	-304.94	82.64
		127	0.58	10.41	-2.14	8.99	-0.72	3.97	228.31	-8.57	197.91	21.83	79.23
		128	0.60	3.01	-2.17	2.19	-1.35	1.89	249.61	-104.06	156.05	-10.51	
156.00													
		133	0.89	7.92	-2.22	2.25	3.46	5.04	174.82	-369.92	102.92	-298.02	
184.39													
55	106	134	0.60	0.52	-10.30	-7.61	-2.16	-4.67	318.23	-11.61	6.11	300.50	74.38
		127	0.24	7.14	-5.71	-5.38	6.80	-2.05	1.24	-74.22	-57.82	-15.15	31.12
		128	0.25	6.74	-2.10	-1.95	6.60	-1.12	-2.59	-83.47	-81.25	-4.81	-13.22
		133	0.50	0.86	-5.53	-2.89	-1.78	-3.15	271.22	-37.18	-37.14	271.17	-3.74
56	1	133	0.17	0.07	-0.28	-0.28	0.07	7.79e-04	75.26	-38.78	27.30	9.18	56.30
		128	0.17	1.24	-0.12	-0.12	1.24	7.79e-04	53.35	-59.97	21.67	-28.29	50.86
		7	0.12	1.25	0.60	0.60	1.25	7.79e-04	26.86	-50.84	3.67	-27.64	35.55
		129	0.13	0.29	0.10	0.29	0.10	7.79e-04	55.05	-33.05	12.86	9.14	44.01
56	2	133	0.85	0.44	-2.11	-2.07	0.40	-0.30	367.93	-201.07	116.68	50.19	
282.55													
		128	0.89	7.61	-1.12	-1.10	7.60	-0.30	252.42	-313.20	86.06	-146.83	
257.73													
		7	0.62	7.73	3.49	3.51	7.70	-0.30	120.81	-260.78	1.46	-141.43	
176.91													
		129	0.64	1.71	0.51	1.62	0.59	-0.30	267.89	-167.57	48.75	51.58	
217.73													
56	3	133	0.12	0.05	-0.18	-0.18	0.05	6.36e-03	52.38	-26.77	19.32	6.29	39.03
		128	0.12	0.83	-0.08	-0.08	0.83	6.36e-03	37.28	-41.36	15.45	-19.53	35.22
		7	0.08	0.84	0.40	0.40	0.84	6.36e-03	18.89	-35.15	2.86	-19.12	24.68
		129	0.09	0.20	0.07	0.20	0.07	6.36e-03	38.34	-22.89	9.22	6.23	30.57
56	4	133	0.80	0.41	-2.01	-1.97	0.38	-0.30	345.05	-189.07	108.69	47.30	
265.29													
		128	0.84	7.20	-1.07	-1.06	7.19	-0.30	236.36	-294.58	79.84	-138.06	
242.09													
		7	0.58	7.32	3.30	3.32	7.29	-0.30	112.84	-245.09	0.65	-132.90	
166.04													
		129	0.60	1.61	0.47	1.53	0.56	-0.30	251.18	-157.42	45.10	48.67	
204.29													
56	5	133	0.12	0.05	-0.20	-0.20	0.05	3.10e-03	55.49	-28.50	20.27	6.72	41.45
		128	0.13	0.90	-0.09	-0.09	0.90	3.10e-03	39.40	-44.06	16.14	-20.79	37.42
		7	0.09	0.91	0.44	0.44	0.91	3.10e-03	19.89	-37.38	2.84	-20.33	26.19
		129	0.10	0.22	0.07	0.22	0.07	3.10e-03	40.60	-24.32	9.60	6.68	32.43
56	6	133	0.58	0.30	-1.42	-1.40	0.27	-0.20	250.60	-136.69	79.85	34.07	
192.28													
		128	0.60	5.15	-0.75	-0.74	5.14	-0.20	172.12	-212.87	59.06	-99.82	
175.34													
		7	0.42	5.23	2.36	2.38	5.21	-0.20	82.52	-177.34	1.37	-96.19	
120.43													
		129	0.44	1.15	0.35	1.10	0.40	-0.20	182.49	-113.99	33.52	34.98	
148.24													
56	7	133	0.12	0.05	-0.20	-0.20	0.05	3.10e-03	55.49	-28.50	20.27	6.72	41.45
		128	0.13	0.90	-0.09	-0.09	0.90	3.10e-03	39.40	-44.06	16.14	-20.79	37.42
		7	0.09	0.91	0.44	0.44	0.91	3.10e-03	19.89	-37.38	2.84	-20.33	26.19

		129	0.10	0.22	0.07	0.22	0.07	3.10e-03	40.60	-24.32	9.60	6.68	32.43
56	8	133	0.44	0.22	-1.05	-1.04	0.21	-0.14	192.06	-104.22	61.98	25.86	
147.03													
		128	0.46	3.87	-0.55	-0.54	3.87	-0.14	132.30	-162.22	46.19	-76.11	
133.96													
		7	0.32	3.93	1.79	1.80	3.92	-0.14	63.73	-135.35	1.81	-73.43	92.16
		129	0.33	0.87	0.27	0.84	0.30	-0.14	139.91	-87.08	26.34	26.49	
113.50													
56	9	133	0.12	0.05	-0.20	-0.20	0.05	3.10e-03	55.49	-28.50	20.27	6.72	41.45
		128	0.13	0.90	-0.09	-0.09	0.90	3.10e-03	39.40	-44.06	16.14	-20.79	37.42
		7	0.09	0.91	0.44	0.44	0.91	3.10e-03	19.89	-37.38	2.84	-20.33	26.19
		129	0.10	0.22	0.07	0.22	0.07	3.10e-03	40.60	-24.32	9.60	6.68	32.43
56	10	133	0.40	0.20	-0.93	-0.92	0.19	-0.12	172.54	-93.40	56.02	23.13	
131.95													
		128	0.41	3.45	-0.48	-0.48	3.45	-0.12	119.02	-145.34	41.89	-68.21	
120.17													
		7	0.29	3.50	1.59	1.60	3.49	-0.12	57.46	-121.35	1.95	-65.85	82.73
		129	0.30	0.78	0.24	0.75	0.27	-0.12	125.72	-78.11	23.95	23.66	
101.91													
56	11	133	1.34	1.56	-6.02	-3.79	-0.66	-3.45	430.27	-423.00	112.13	-104.86	
412.61													
		128	1.12	9.29	-3.29	-3.24	9.24	-0.76	506.15	-210.04	219.56	76.55	
350.89													
		7	1.31	10.53	4.80	6.10	9.24	2.40	464.86	-384.55	40.38	39.93	
424.70													
		129	1.43	4.58	-1.25	3.21	0.12	-2.47	417.20	-525.91	33.54	-142.25	
463.29													
56	12	133	1.08	2.97	-11.41	-6.36	-2.08	-6.87	262.56	-342.89	23.62	-103.96	
295.93													
		128	0.82	7.48	-6.79	-6.36	7.05	-2.46	323.64	-151.72	127.69	44.23	
233.99													
		7	0.87	8.06	7.48	7.79	7.75	0.29	271.92	-322.15	-58.97	8.73	
295.10													
		129	1.17	8.60	-4.65	4.47	-0.52	-6.14	233.88	-442.56	-64.31	-144.37	
335.84													
56	13	133	0.34	10.19	-3.22	4.52	2.45	6.63	163.82	74.81	88.41	150.22	-32.03
		128	0.32	6.18	-0.93	5.40	-0.15	2.22	-43.61	-180.94	-43.91	-180.64	6.36
		7	0.50	-0.69	-4.66	-4.59	-0.76	-0.52	125.96	-203.50	62.88	-140.42	-
129.63													
		129	0.62	5.28	-7.19	-2.97	1.06	5.90	289.82	14.09	112.22	191.69	-
132.02													
56	14	133	0.58	4.74	-1.75	1.95	1.03	3.21	242.34	-91.32	-0.09	151.11	-
148.71													
		128	0.46	2.34	-2.41	2.29	-2.35	0.52	-57.28	-291.46	-135.78	-212.96	-
110.54													
		7	0.87	0.08	-5.23	-2.89	-2.25	-2.63	163.86	-371.95	-36.47	-171.63	-
259.24													
		129	0.86	1.82	-3.12	-1.71	0.41	2.23	375.82	-171.88	14.36	189.57	-
259.46													
56	15	133	1.35	1.61	-6.23	-3.90	-0.72	-3.58	433.08	-423.09	114.03	-104.04	
413.97													
		128	1.12	9.24	-3.43	-3.38	9.19	-0.82	505.12	-209.40	222.37	73.36	
349.41													
		7	1.31	10.50	4.89	6.14	9.25	2.33	461.45	-386.99	38.74	35.72	
424.22													
		129	1.44	4.73	-1.38	3.25	0.10	-2.62	419.31	-527.91	32.80	-141.40	
465.53													
56	16	133	1.07	2.92	-11.19	-6.25	-2.02	-6.73	259.77	-342.81	21.72	-104.77	
294.58													
		128	0.82	7.52	-6.64	-6.22	7.10	-2.40	324.79	-152.47	124.89	47.42	
235.47													
		7	0.87	8.09	7.39	7.75	7.73	0.35	275.48	-319.86	-57.33	12.95	
295.59													
		129	1.16	8.44	-4.51	4.43	-0.50	-5.99	231.69	-440.49	-63.57	-145.23	
333.60													
56	17	133	0.33	9.97	-3.17	4.41	2.39	6.49	163.83	77.51	90.31	151.03	-30.68
		128	0.33	6.01	-0.96	5.26	-0.21	2.16	-40.94	-184.00	-41.10	-183.83	4.88
		7	0.50	-0.66	-4.63	-4.54	-0.75	-0.59	124.22	-207.61	61.24	-144.64	-
130.12													
		129	0.61	5.14	-7.03	-2.93	1.04	5.75	287.96	16.05	111.47	192.54	-
129.77													
56	18	133	0.59	4.96	-1.80	2.06	1.09	3.35	242.43	-94.12	-1.99	150.30	-

150.07												
		128	0.45	2.49	-2.37	2.42	-2.29	0.59	-59.45	-288.90	-138.58	-209.77	-
109.07												
		7	0.87	-9.59e-03	-5.20	-2.94	-2.27	-2.57	165.99	-368.22	-34.83	-167.41	-
258.75												
		129	0.87	1.96	-3.28	-1.75	0.44	2.38	377.63	-173.81	15.11	188.72	-
261.70												
56	19	133	1.35	1.62	-6.28	-3.92	-0.74	-3.62	468.37	-386.33	187.31	-105.28	
401.53												
		128	1.12	9.04	-3.47	-3.41	8.99	-0.84	496.81	-215.24	220.18	61.39	
347.06												
		7	1.28	10.36	4.85	6.22	8.99	2.38	446.86	-384.51	36.65	25.70	
415.65												
		129	1.41	4.80	-1.40	3.30	0.10	-2.66	409.13	-520.56	31.91	-143.34	
456.51												
56	20	133	1.09	3.03	-11.68	-6.49	-2.16	-7.03	299.64	-305.21	98.81	-104.38	
284.85												
		128	0.82	7.25	-6.99	-6.53	6.79	-2.53	314.13	-156.76	128.31	29.07	
230.16												
		7	0.84	8.05	7.36	7.91	7.50	0.28	253.37	-321.57	-62.69	-5.51	
286.05												
		129	1.15	8.82	-4.81	4.56	-0.55	-6.32	225.75	-437.16	-65.95	-145.46	
329.06												
56	21	133	0.35	10.46	-3.28	4.65	2.53	6.79	153.76	10.11	13.23	150.63	-20.95
		128	0.30	6.41	-0.73	5.57	0.11	2.30	-43.67	-166.33	-44.52	-165.48	10.19
		7	0.48	-0.46	-4.77	-4.71	-0.52	-0.51	124.58	-184.16	66.60	-126.18	-
120.58												
		129	0.60	5.44	-7.42	-3.07	1.09	6.08	284.62	22.01	113.85	192.78	-
125.23												
56	22	133	0.60	5.01	-1.81	2.08	1.11	3.38	216.46	-140.20	-75.28	151.53	-
137.63												
		128	0.43	2.53	-2.17	2.46	-2.09	0.60	-56.05	-278.14	-136.39	-197.80	-
106.71												
		7	0.84	0.16	-5.18	-3.02	-2.01	-2.62	162.77	-352.89	-32.74	-157.39	-
250.18												
		129	0.85	1.98	-3.35	-1.81	0.44	2.42	370.67	-164.02	16.00	190.66	-
252.68												
56	23	133	1.36	1.67	-6.49	-4.03	-0.80	-3.75	471.18	-386.43	189.21	-104.46	
402.88												
		128	1.12	8.99	-3.61	-3.55	8.93	-0.90	495.85	-214.68	222.98	58.20	
345.58												
		7	1.28	10.33	4.94	6.27	9.01	2.32	443.46	-386.97	35.01	21.48	
415.16												
		129	1.43	4.96	-1.54	3.34	0.08	-2.81	411.23	-522.56	31.16	-142.49	
458.75												
56	24	133	1.08	2.98	-11.46	-6.38	-2.10	-6.90	296.82	-305.10	96.91	-105.19	
283.49												
		128	0.82	7.29	-6.84	-6.39	6.85	-2.47	315.16	-157.40	125.50	32.27	
231.64												
		7	0.84	8.07	7.29	7.87	7.49	0.34	256.91	-319.26	-61.05	-1.29	
286.53												
		129	1.14	8.66	-4.67	4.52	-0.52	-6.17	223.57	-435.08	-65.20	-146.31	
326.82												
56	25	133	0.35	10.25	-3.23	4.54	2.47	6.66	154.21	12.37	15.13	151.45	-19.59
		128	0.30	6.24	-0.76	5.43	0.05	2.24	-41.12	-169.27	-41.72	-168.68	8.71
		7	0.48	-0.43	-4.75	-4.67	-0.51	-0.58	122.84	-188.28	64.96	-130.40	-
121.07												
		129	0.60	5.29	-7.26	-3.02	1.06	5.93	282.78	23.96	113.11	193.63	-
122.99												
56	26	133	0.61	5.23	-1.87	2.19	1.17	3.51	216.50	-142.95	-77.18	150.72	-
138.98												
		128	0.43	2.68	-2.13	2.59	-2.03	0.66	-58.08	-275.72	-139.19	-194.61	-
105.24												
		7	0.83	0.07	-5.16	-3.06	-2.02	-2.56	164.91	-349.18	-31.10	-153.17	-
249.70												
		129	0.86	2.12	-3.51	-1.85	0.46	2.57	372.48	-165.93	16.74	189.80	-
254.92												
56	27	133	1.31	6.16	-1.96	2.11	2.08	4.06	503.95	-313.49	207.09	-16.63	
393.12												
		128	1.19	9.38	2.55	3.41	8.52	2.26	510.85	-252.08	234.53	24.24	
366.68												
		7	1.24	9.15	-1.29	0.38	7.47	3.83	477.96	-300.59	164.15	13.22	

381.89												
		129	1.33	5.20	-4.41	-0.42	1.21	4.73	491.77	-339.43	175.24	-22.90
403.62												
56	28	133	0.30	3.02	-12.11	-6.45	-2.64	-7.32	-13.40	-88.17	-87.94	-13.63 4.18
		128	0.26	2.42	-8.19	-6.96	1.19	-3.40	-53.87	-101.32	-71.70	-83.49-22.98
		7	0.33	7.92	0.62	6.03	2.51	-3.20	-65.94	-191.85	-166.99	-90.80-50.12
		129	0.34	9.26	-6.44	3.77	-0.95	-7.48	-26.35	-154.55	-150.94	-29.96-21.20
56	29	133	1.02	10.94	-3.32	4.61	3.01	7.08	398.93	-139.07	199.97	59.89
259.72												
		128	0.92	9.02	2.69	6.01	5.70	3.16	334.48	-231.91	155.49	-52.92
263.32												
		7	0.75	5.52	-3.87	-2.82	4.47	2.96	305.20	-175.18	170.90	-40.89
215.59												
		129	0.90	7.09	-7.88	-2.28	1.49	7.25	371.15	-95.03	198.85	77.28
225.03												
56	30	133	0.57	1.61	-7.27	-3.95	-1.71	-4.30	135.35	-167.52	-95.05	62.89 -
129.22												
		128	0.54	-0.15	-5.85	-4.37	-1.63	-2.50	-29.26	-282.14	-150.74	-160.65 -
126.34												
		7	0.78	5.56	-3.23	2.82	-0.49	-4.07	63.98	-369.13	-160.24	-144.91 -
216.42												
		129	0.76	5.76	-4.51	1.92	-0.67	-4.97	194.32	-251.43	-127.34	70.22 -
199.79												
56	31	133	1.31	6.08	-1.95	2.08	2.05	4.01	515.24	-302.35	229.64	-16.75
389.79												
		128	1.19	9.29	2.51	3.36	8.44	2.24	508.22	-253.81	234.72	19.69
365.54												
		7	1.23	9.09	-1.27	0.42	7.40	3.83	472.91	-300.93	163.03	8.95
379.17												
		129	1.33	5.15	-4.34	-0.40	1.20	4.68	489.37	-337.84	174.75	-23.23
401.58												
56	32	133	0.29	3.04	-12.19	-6.48	-2.67	-7.37	-13.75	-65.39	-65.38	-13.76 0.85
		128	0.27	2.36	-8.26	-7.01	1.11	-3.42	-54.27	-105.29	-71.52	-88.04-24.13
		7	0.34	7.93	0.57	6.06	2.44	-3.20	-67.36	-195.82	-168.11	-95.08-52.84
		129	0.34	9.33	-6.48	3.80	-0.96	-7.54	-25.98	-155.73	-151.43	-30.29-23.23
56	33	133	1.02	11.02	-3.34	4.65	3.04	7.13	388.23	-150.80	177.42	60.02
263.05												
		128	0.92	9.10	2.73	6.06	5.78	3.18	336.87	-229.94	155.31	-48.37
264.47												
		7	0.75	5.59	-3.90	-2.86	4.55	2.96	309.65	-174.25	172.02	-36.61
218.30												
		129	0.90	7.14	-7.95	-2.31	1.50	7.30	373.55	-96.61	199.34	77.60
227.06												
56	34	133	0.57	1.59	-7.19	-3.91	-1.68	-4.25	127.64	-182.23	-117.61	63.01 -
125.89												
		128	0.53	-0.10	-5.77	-4.32	-1.55	-2.48	-28.30	-278.73	-150.93	-156.10 -
125.19												
		7	0.77	5.55	-3.19	2.78	-0.42	-4.07	64.03	-363.79	-159.12	-140.64 -
213.71												
		129	0.76	5.69	-4.47	1.89	-0.67	-4.92	192.87	-249.17	-126.85	70.55 -
197.75												
56	35	133	1.31	5.44	-1.80	1.76	1.88	3.62	513.30	-313.81	213.42	-13.93
397.63												
		128	1.17	9.03	2.26	2.96	8.32	2.06	508.37	-250.90	243.88	13.59
361.75												
		7	1.23	9.06	-1.01	0.53	7.52	3.63	467.47	-309.62	158.69	-0.84
380.27												
		129	1.34	4.71	-3.87	-0.29	1.13	4.24	498.60	-345.89	172.76	-20.05
411.09												
56	36	133	0.31	2.85	-11.38	-6.09	-2.44	-6.88	-16.34	-94.27	-94.27	-16.34 -0.34
		128	0.26	2.52	-7.64	-6.51	1.39	-3.20	-58.44	-95.46	-81.05	-72.85-18.05
		7	0.32	7.61	0.73	5.88	2.46	-2.99	-54.72	-183.55	-161.53	-76.74-48.50
		129	0.33	8.72	-5.96	3.64	-0.87	-6.98	-26.09	-155.18	-148.46	-32.81-28.67
56	37	133	1.02	10.21	-3.15	4.25	2.81	6.64	408.28	-139.38	206.30	62.60
264.24												
		128	0.91	8.49	2.57	5.55	5.51	2.96	333.14	-231.87	164.83	-63.56
258.39												
		7	0.74	5.45	-3.61	-2.68	4.52	2.75	295.92	-185.43	165.44	-54.95
213.96												
		129	0.90	6.61	-7.34	-2.14	1.41	6.75	377.90	-101.41	196.36	80.13
232.50												
56	38	133	0.57	1.44	-6.55	-3.60	-1.51	-3.86	135.64	-176.83	-101.38	60.18 -

133.73												
		128	0.52	-0.06	-5.29	-3.92	-1.43	-2.30	-33.53	-276.56	-160.09	-150.00
121.41												
		7	0.76	5.25	-3.12	2.67	-0.54	-3.87	72.32	-357.95	-154.78	-130.85
214.80												
		129	0.77	5.22	-4.03	1.78	-0.59	-4.47	199.72	-257.21	-124.86	67.37
207.26												
56	39	133	1.31	5.36	-1.78	1.72	1.86	3.57	524.61	-302.69	235.97	-14.05
394.30												
		128	1.17	8.94	2.22	2.91	8.25	2.04	505.82	-252.72	244.06	9.05
360.61												
		7	1.22	9.00	-0.99	0.57	7.45	3.62	462.44	-309.98	157.57	-5.11
377.55												
		129	1.33	4.67	-3.80	-0.26	1.12	4.18	496.19	-344.30	172.27	-20.38
409.06												
56	40	133	0.29	2.87	-11.46	-6.13	-2.47	-6.93	-16.22	-71.95	-71.71	-16.46
		128	0.26	2.46	-7.71	-6.56	1.31	-3.22	-59.85	-98.41	-80.86	-77.40
		7	0.33	7.63	0.68	5.92	2.39	-2.99	-56.34	-187.32	-162.65	-81.01
		129	0.33	8.79	-6.00	3.66	-0.88	-7.04	-25.50	-156.59	-148.95	-33.14
56	41	133	1.02	10.29	-3.17	4.29	2.84	6.69	397.55	-151.09	183.75	62.72
267.56												
		128	0.91	8.57	2.61	5.60	5.58	2.98	335.43	-229.80	164.65	-59.02
259.54												
		7	0.74	5.51	-3.64	-2.71	4.59	2.76	300.32	-184.44	166.56	-50.68
216.68												
		129	0.91	6.66	-7.41	-2.17	1.42	6.80	380.30	-102.99	196.85	80.46
234.54												
56	42	133	0.58	1.42	-6.47	-3.56	-1.49	-3.81	127.85	-191.47	-123.94	60.31
130.40												
		128	0.51	-0.01	-5.21	-3.87	-1.35	-2.28	-32.37	-273.36	-160.27	-145.46
120.26												
		7	0.76	5.25	-3.08	2.64	-0.46	-3.86	72.39	-352.64	-153.67	-126.58
212.08												
		129	0.76	5.15	-3.98	1.75	-0.58	-4.42	198.25	-254.92	-124.37	67.70
205.23												
56	43	133	1.14	1.23	-4.91	-3.19	-0.49	-2.76	374.84	-352.91	100.27	-78.34
352.74												
		128	0.97	8.02	-2.71	-2.67	7.98	-0.63	422.05	-196.03	182.11	43.90
301.22												
		7	1.08	8.91	4.25	5.16	7.99	1.85	375.27	-327.35	32.55	15.38
351.21												
		129	1.19	3.78	-0.93	2.70	0.16	-1.98	354.36	-430.42	31.74	-107.80
386.14												
56	44	133	0.93	2.33	-9.16	-5.22	-1.61	-5.46	242.82	-289.10	30.56	-76.84
260.49												
		128	0.73	6.59	-5.46	-5.13	6.26	-1.97	278.93	-148.29	109.63	21.01
208.96												
		7	0.73	6.91	6.41	6.49	6.83	0.18	223.62	-276.07	-46.04	-6.40
249.06												
		129	0.98	6.95	-3.61	3.69	-0.36	-4.88	210.05	-364.30	-45.65	-108.60
285.44												
56	45	133	0.27	7.95	-2.58	3.38	1.98	5.22	123.38	81.20	81.47	123.10
		128	0.30	4.88	-0.07	4.17	0.63	1.73	-18.74	-164.52	-25.84	-157.42
		7	0.38	0.20	-3.34	-3.29	0.15	-0.42	83.43	-158.76	49.95	-125.29
		129	0.43	4.24	-5.54	-2.19	0.90	4.64	212.11	37.37	93.55	155.92
56	46	133	0.38	3.64	-1.42	1.35	0.86	2.52	173.42	-37.06	11.77	124.60
		128	0.32	1.77	-1.14	1.71	-1.09	0.39	-65.93	-212.71	-98.33	-180.31
		7	0.64	0.66	-3.62	-1.96	-1.01	-2.09	107.10	-282.80	-28.64	-147.07
185.74												
		129	0.62	1.50	-2.33	-1.21	0.38	1.74	280.74	-109.46	16.16	155.11
182.31												
56	47	133	1.14	1.27	-5.08	-3.28	-0.54	-2.86	377.10	-352.90	101.81	-77.61
353.81												
		128	0.97	7.98	-2.82	-2.78	7.94	-0.68	421.43	-195.42	184.36	41.66
300.06												
		7	1.07	8.88	4.32	5.20	8.01	1.80	372.73	-329.19	31.23	12.31
350.83												
		129	1.19	3.91	-1.03	2.73	0.14	-2.10	356.06	-431.95	31.14	-107.02
387.90												
56	48	133	0.93	2.29	-8.99	-5.14	-1.56	-5.35	240.57	-289.12	29.02	-77.57
259.42												
		128	0.73	6.62	-5.34	-5.02	6.30	-1.92	279.61	-148.97	107.39	23.25

210.12													
		7	0.73	6.93	6.34	6.45	6.82	0.23	226.26	-274.32	-44.72	-3.33	
249.43													
		129	0.97	6.82	-3.50	3.65	-0.34	-4.76	208.28	-362.71	-45.04	-109.38	
283.68													
56	49	133	0.27	7.77	-2.54	3.30	1.93	5.11	124.31	82.53	83.02	123.83	4.48
		128	0.30	4.75	-0.09	4.06	0.59	1.68	-17.19	-166.07	-23.60	-159.66	30.22
		7	0.38	0.23	-3.32	-3.25	0.16	-0.47	82.13	-161.85	48.63	-128.36	-83.96
		129	0.42	4.13	-5.41	-2.16	0.88	4.52	210.80	38.85	92.95	156.70	-79.85
56	50	133	0.39	3.81	-1.47	1.44	0.91	2.63	173.40	-39.31	10.22	123.87	-89.91
		128	0.32	1.89	-1.11	1.82	-1.05	0.44	-68.13	-210.51	-100.57	-178.07	-59.72
		7	0.64	0.59	-3.60	-1.99	-1.02	-2.04	108.67	-279.99	-27.32	-144.00	-
185.37													
		129	0.63	1.62	-2.45	-1.24	0.40	1.86	282.06	-110.95	16.77	154.34	-
184.07													
56	51	133	1.15	1.27	-5.12	-3.29	-0.55	-2.89	403.69	-323.14	159.08	-78.53	
343.45													
		128	0.96	7.81	-2.85	-2.81	7.76	-0.69	413.98	-199.93	182.44	31.62	
297.55													
		7	1.05	8.75	4.29	5.26	7.79	1.83	360.13	-326.84	29.45	3.84	
343.25													
		129	1.17	3.96	-1.05	2.78	0.14	-2.13	347.28	-425.40	30.36	-108.48	
380.06													
56	52	133	0.94	2.38	-9.38	-5.32	-1.67	-5.59	270.78	-258.44	89.37	-77.03	
251.19													
		128	0.73	6.39	-5.62	-5.26	6.04	-2.03	270.77	-152.10	109.95	8.72	
205.29													
		7	0.71	6.78	6.44	6.59	6.63	0.17	208.06	-275.13	-49.13	-17.94	
241.09													
		129	0.97	7.13	-3.74	3.76	-0.37	-5.02	202.93	-359.25	-47.03	-109.29	
279.36													
56	53	133	0.28	8.16	-2.63	3.49	2.04	5.35	124.87	21.08	22.67	123.29	12.71
		128	0.29	5.07	0.09	4.31	0.85	1.79	-16.60	-154.69	-26.16	-145.13	35.05
		7	0.36	0.40	-3.43	-3.38	0.35	-0.41	82.23	-142.94	53.04	-113.75	-75.63
		129	0.42	4.37	-5.72	-2.27	0.91	4.79	207.35	44.19	94.94	156.60	-75.53
56	54	133	0.40	3.85	-1.47	1.46	0.92	2.65	155.96	-78.21	-47.04	124.79	-79.55
		128	0.30	1.92	-0.94	1.85	-0.87	0.45	-66.44	-200.24	-98.65	-168.03	-57.20
		7	0.61	0.73	-3.59	-2.05	-0.81	-2.07	105.55	-266.63	-25.54	-135.53	-
177.78													
		129	0.61	1.63	-2.51	-1.28	0.40	1.89	275.97	-102.63	17.55	155.80	-
176.23													
56	55	133	1.15	1.31	-5.29	-3.38	-0.60	-3.00	405.96	-323.14	160.62	-77.80	
344.51													
		128	0.96	7.77	-2.96	-2.91	7.72	-0.74	413.42	-199.36	184.68	29.38	
296.39													
		7	1.05	8.73	4.37	5.29	7.80	1.78	357.60	-328.69	28.14	0.77	
342.87													
		129	1.18	4.08	-1.15	2.81	0.12	-2.25	348.98	-426.93	29.75	-107.70	
381.82													
56	56	133	0.93	2.34	-9.20	-5.24	-1.62	-5.48	268.51	-258.44	87.82	-77.76	
250.13													
		128	0.73	6.42	-5.49	-5.16	6.08	-1.98	271.38	-152.70	107.71	10.97	
206.45													
		7	0.71	6.80	6.36	6.55	6.62	0.22	210.69	-273.37	-47.82	-14.86	
241.47													
		129	0.96	7.00	-3.63	3.73	-0.36	-4.90	201.17	-357.66	-46.42	-110.06	
277.60													
56	57	133	0.28	7.99	-2.59	3.40	1.99	5.24	125.88	22.34	24.21	124.02	13.77
		128	0.29	4.93	0.07	4.20	0.81	1.74	-15.23	-156.07	-23.92	-147.38	33.89
		7	0.36	0.42	-3.40	-3.35	0.37	-0.45	80.94	-146.03	51.73	-116.83	-76.00
		129	0.41	4.25	-5.59	-2.23	0.89	4.67	206.08	45.64	94.33	157.38	-73.77
56	58	133	0.41	4.03	-1.52	1.54	0.97	2.76	155.84	-80.37	-48.59	124.06	-80.61
		128	0.30	2.04	-0.91	1.96	-0.83	0.50	-68.58	-198.10	-100.89	-165.79	-56.05
		7	0.61	0.66	-3.57	-2.09	-0.82	-2.02	107.13	-263.82	-24.23	-132.46	-
177.40													
		129	0.62	1.74	-2.63	-1.31	0.42	2.01	277.28	-104.11	18.15	155.02	-
177.99													
56	59	133	1.11	4.76	-1.61	1.48	1.68	3.18	433.20	-267.77	175.02	-9.58	
338.11													
		128	1.01	7.99	2.02	2.59	7.42	1.76	426.02	-231.97	193.89	0.15	
314.41													
		7	1.02	7.85	-0.60	0.65	6.60	3.00	386.62	-264.74	130.32	-8.45	

318.21													
		129	1.11	4.19	-3.33	-0.16	1.01	3.71	413.54	-284.43	143.67	-14.55	
339.90													
56	60	133	0.26	2.37	-9.70	-5.29	-2.05	-5.81	9.42	-71.35	-57.34	-4.59	30.58
		128	0.19	2.57	-6.50	-5.60	1.68	-2.71	-46.14	-77.74	-47.72	-76.17	6.88
		7	0.27	6.72	1.10	5.09	2.73	-2.55	-72.62	-140.06	-131.63	-81.05	-22.30
		129	0.30	7.45	-5.03	3.12	-0.70	-5.94	-17.06	-114.49	-114.30	-17.25	4.25
56	61	133	0.89	8.53	-2.66	3.45	2.42	5.58	350.84	-130.61	169.38	50.85	
233.32													
		128	0.80	7.41	2.45	4.65	5.22	2.47	288.01	-216.75	131.51	-60.25	
233.46													
		7	0.64	5.03	-2.66	-1.88	4.25	2.32	252.03	-167.13	135.54	-50.64	
187.77													
		129	0.77	5.68	-6.08	-1.63	1.24	5.70	318.85	-92.07	162.21	64.56	
199.58													
56	62	133	0.37	1.25	-5.88	-3.32	-1.31	-3.42	91.50	-98.63	-62.98	55.84	-74.21
		128	0.36	0.46	-4.54	-3.55	-0.53	-2.00	-48.10	-198.57	-110.11	-136.56	-74.07
		7	0.57	4.88	-1.95	2.55	0.38	-3.24	27.92	-277.58	-126.41	-123.24	-
152.74													
		129	0.54	4.68	-3.50	1.66	-0.47	-3.95	140.30	-174.20	-95.76	61.87	-
136.07													
56	63	133	1.11	4.70	-1.59	1.45	1.66	3.14	441.76	-258.74	192.66	-9.64	
335.32													
		128	1.01	7.92	1.99	2.55	7.36	1.74	423.73	-233.28	193.99	-3.53	
313.31													
		7	1.02	7.80	-0.58	0.68	6.54	2.99	382.37	-264.88	129.39	-11.91	
315.82													
		129	1.11	4.15	-3.28	-0.14	1.01	3.67	411.43	-282.94	143.25	-14.76	
338.08													
56	64	133	0.25	2.38	-9.77	-5.32	-2.07	-5.85	10.69	-55.03	-39.70	-4.65	27.80
		128	0.19	2.52	-6.55	-5.64	1.61	-2.72	-46.62	-80.86	-47.62	-79.85	5.78
		7	0.27	6.73	1.06	5.11	2.67	-2.56	-74.08	-142.99	-132.56	-84.51	-24.69
		129	0.30	7.51	-5.06	3.15	-0.70	-5.98	-17.39	-114.78	-114.72	-17.45	2.43
56	65	133	0.89	8.60	-2.68	3.48	2.44	5.61	342.75	-140.11	151.73	50.90	
236.10													
		128	0.81	7.49	2.48	4.69	5.28	2.49	290.11	-215.26	131.41	-56.56	
234.56													
		7	0.65	5.08	-2.68	-1.91	4.31	2.32	255.81	-166.52	136.47	-47.18	
190.15													
		129	0.78	5.72	-6.13	-1.65	1.24	5.74	320.95	-93.56	162.63	64.77	
201.40													
56	66	133	0.38	1.24	-5.81	-3.28	-1.29	-3.38	86.44	-111.16	-80.62	55.90	-71.42
		128	0.36	0.51	-4.48	-3.51	-0.46	-1.98	-47.70	-195.38	-110.20	-132.88	-72.96
		7	0.56	4.88	-1.91	2.52	0.44	-3.23	27.74	-273.01	-125.49	-119.79	-
150.35													
		129	0.54	4.63	-3.47	1.63	-0.47	-3.91	138.98	-172.26	-95.35	62.07	-
134.25													
56	67	133	1.11	4.19	-1.48	1.19	1.52	2.83	440.76	-267.76	180.17	-7.16	
341.65													
		128	1.00	7.74	1.77	2.23	7.27	1.60	424.63	-230.59	201.36	-7.32	
310.55													
		7	1.02	7.79	-0.37	0.77	6.64	2.83	378.73	-271.47	125.94	-18.68	
316.96													
		129	1.12	3.80	-2.91	-0.05	0.95	3.32	419.05	-289.37	141.64	-11.96	
345.79													
56	68	133	0.24	2.23	-9.12	-5.00	-1.89	-5.46	3.99	-73.49	-62.49	-7.01	27.05
		128	0.18	2.65	-6.06	-5.24	1.82	-2.55	-49.25	-74.63	-55.19	-68.69	10.75
		7	0.26	6.48	1.18	4.97	2.69	-2.39	-63.82	-134.24	-127.25	-70.81	-21.05
		129	0.27	7.02	-4.64	3.01	-0.63	-5.54	-19.81	-112.31	-112.28	-19.83	-1.63
56	69	133	0.89	7.95	-2.53	3.16	2.26	5.22	358.39	-130.59	174.53	53.27	
236.85													
		128	0.80	7.02	2.33	4.28	5.07	2.31	287.41	-216.15	138.97	-67.72	
229.59													
		7	0.63	4.98	-2.45	-1.76	4.29	2.15	244.92	-174.65	131.16	-60.88	
186.52													
		129	0.78	5.30	-5.65	-1.52	1.17	5.30	324.33	-96.99	160.19	67.15	
205.46													
56	70	133	0.38	1.12	-5.30	-3.03	-1.15	-3.07	91.33	-106.04	-68.13	53.42	-77.75
		128	0.35	0.53	-4.10	-3.19	-0.38	-1.84	-52.89	-193.77	-117.57	-129.09	-70.20
		7	0.55	4.63	-1.86	2.43	0.34	-3.07	34.04	-269.08	-122.03	-113.01	-
151.49													
		129	0.55	4.25	-3.12	1.55	-0.41	-3.55	144.03	-178.49	-93.74	59.28	-

141.96													
56	71	133	1.11	4.12	-1.46	1.16	1.50	2.79	449.33	-258.74	197.81	-7.22	
338.86													
		128	1.00	7.66	1.73	2.19	7.21	1.58	422.40	-231.95	201.46	-11.01	
309.44													
		7	1.01	7.74	-0.35	0.80	6.58	2.83	374.49	-271.63	125.01	-22.14	
314.57													
		129	1.11	3.77	-2.85	-0.03	0.94	3.27	416.94	-287.88	141.23	-12.17	
343.96													
56	72	133	0.23	2.24	-9.19	-5.03	-1.91	-5.50	4.78	-56.70	-44.85	-7.07	24.26
		128	0.18	2.59	-6.12	-5.28	1.76	-2.56	-50.78	-76.69	-55.09	-72.38	9.65
		7	0.26	6.48	1.14	4.99	2.63	-2.40	-65.50	-136.94	-128.18	-74.27	-23.44
		129	0.27	7.08	-4.68	3.04	-0.64	-5.58	-19.91	-112.82	-112.70	-20.04	-3.46
56	73	133	0.89	8.02	-2.54	3.19	2.28	5.26	350.28	-140.07	156.88	53.33	
239.64													
		128	0.80	7.09	2.37	4.32	5.13	2.33	289.44	-214.60	138.88	-64.03	
230.70													
		7	0.64	5.03	-2.47	-1.79	4.35	2.16	248.67	-174.01	132.09	-57.42	
188.91													
		129	0.78	5.33	-5.70	-1.54	1.18	5.35	326.44	-98.49	160.60	67.36	
207.29													
56	74	133	0.38	1.10	-5.23	-3.00	-1.13	-3.03	86.16	-118.46	-85.77	53.48	-74.96
		128	0.34	0.58	-4.04	-3.15	-0.31	-1.82	-52.33	-190.75	-117.67	-125.40	-69.10
		7	0.55	4.63	-1.83	2.40	0.40	-3.07	33.89	-264.54	-121.10	-109.55	-
149.10													
		129	0.54	4.20	-3.08	1.52	-0.41	-3.51	142.69	-176.53	-93.32	59.49	-
140.13													
56	75	133	1.01	1.01	-4.19	-2.80	-0.37	-2.30	339.97	-308.11	92.65	-60.80	
314.82													
		128	0.87	7.24	-2.32	-2.29	7.21	-0.54	369.68	-186.91	157.89	24.87	
270.23													
		7	0.93	7.90	3.86	4.55	7.22	1.51	320.00	-290.98	27.34	1.68	
305.22													
		129	1.03	3.26	-0.72	2.36	0.18	-1.66	314.93	-369.58	30.44	-85.08	
337.35													
56	76	133	0.84	1.91	-7.69	-4.48	-1.30	-4.53	230.91	-255.49	35.02	-59.60	
238.55													
		128	0.67	6.04	-4.58	-4.32	5.78	-1.65	251.22	-147.48	97.97	5.77	
193.95													
		7	0.65	6.29	5.62	5.64	6.26	0.14	193.93	-248.06	-37.62	-16.51	
220.74													
		129	0.86	5.86	-2.94	3.18	-0.25	-4.05	195.76	-315.09	-33.54	-85.79	
254.09													
56	77	133	0.27	6.47	-2.17	2.64	1.67	4.29	120.60	62.27	77.02	105.86	25.35
		128	0.29	4.04	0.43	3.36	1.11	1.41	0.87	-157.23	-14.18	-142.18	46.39
		7	0.31	0.76	-2.49	-2.44	0.72	-0.37	59.06	-132.72	41.53	-115.18	-55.28
		129	0.32	3.56	-4.46	-1.68	0.79	3.81	163.78	50.77	81.44	133.11	-50.26
56	78	133	0.26	2.92	-1.21	0.96	0.74	2.06	130.41	-3.97	19.38	107.06	-50.92
		128	0.25	1.39	-0.37	1.33	-0.32	0.30	-64.84	-170.55	-74.10	-161.28	-29.89
		7	0.50	1.04	-2.63	-1.34	-0.24	-1.75	71.78	-228.58	-23.43	-133.37	-
139.76													
		129	0.47	1.30	-1.80	-0.87	0.36	1.42	220.29	-70.43	17.47	132.40	-
133.52													
56	79	133	1.02	1.05	-4.33	-2.87	-0.41	-2.39	341.84	-308.11	93.93	-60.20	
315.70													
		128	0.87	7.21	-2.41	-2.38	7.17	-0.58	369.19	-186.44	159.74	23.00	
269.27													
		7	0.93	7.89	3.92	4.57	7.23	1.47	317.91	-292.53	26.25	-0.87	
304.92													
		129	1.04	3.36	-0.81	2.39	0.16	-1.76	316.35	-370.86	29.94	-84.45	
338.81													
56	80	133	0.83	1.88	-7.54	-4.40	-1.26	-4.44	229.04	-255.49	33.74	-60.19	
237.67													
		128	0.67	6.07	-4.48	-4.23	5.82	-1.61	251.74	-147.98	96.12	7.64	
194.91													
		7	0.65	6.30	5.57	5.62	6.25	0.18	196.09	-246.58	-36.53	-13.96	
221.05													
		129	0.85	5.76	-2.84	3.15	-0.23	-3.95	194.30	-313.76	-33.04	-86.42	
252.62													
56	81	133	0.27	6.33	-2.13	2.57	1.63	4.20	122.14	62.60	78.29	106.45	26.23
		128	0.30	3.93	0.42	3.27	1.07	1.37	1.82	-158.20	-12.33	-144.05	45.44
		7	0.32	0.78	-2.47	-2.41	0.73	-0.41	58.02	-135.31	40.44	-117.73	-55.58

		129	0.31	3.47	-4.35	-1.66	0.77	3.72	162.82	51.86	80.94	133.74	-48.79
56	82	133	0.26	3.06	-1.25	1.03	0.78	2.15	130.37	-5.80	18.11	106.46	-51.80
		128	0.25	1.49	-0.34	1.42	-0.28	0.34	-66.91	-168.46	-75.95	-159.42	-28.93
		7	0.49	0.99	-2.61	-1.37	-0.25	-1.71	73.04	-226.20	-22.34	-130.82	-139.45
		129	0.48	1.39	-1.91	-0.90	0.38	1.52	221.35	-71.62	17.97	131.76	-134.98
56	83	133	1.02	1.05	-4.36	-2.88	-0.42	-2.41	363.54	-283.18	141.32	-60.96	307.14
		128	0.87	7.06	-2.44	-2.40	7.03	-0.59	363.08	-190.25	158.16	14.68	267.20
		7	0.91	7.77	3.91	4.62	7.05	1.50	307.52	-290.63	24.78	-7.89	298.63
		129	1.02	3.40	-0.82	2.42	0.16	-1.78	309.07	-365.42	29.30	-85.64	332.31
56	84	133	0.84	1.95	-7.86	-4.56	-1.35	-4.64	253.71	-229.79	83.68	-59.76	230.87
		128	0.67	5.88	-4.71	-4.43	5.60	-1.70	244.61	-150.79	98.24	-4.42	190.92
		7	0.63	6.13	5.69	5.72	6.09	0.12	181.14	-247.40	-40.18	-26.08	214.15
		129	0.85	6.01	-3.04	3.24	-0.26	-4.17	189.88	-310.91	-34.68	-86.35	249.05
56	85	133	0.28	6.65	-2.21	2.72	1.72	4.40	118.17	16.20	28.35	106.02	33.03
		128	0.29	4.21	0.56	3.48	1.29	1.46	3.57	-150.01	-14.45	-131.99	49.42
		7	0.30	0.93	-2.56	-2.52	0.89	-0.36	58.53	-120.05	44.09	-105.61	-48.69
		129	0.31	3.66	-4.61	-1.74	0.80	3.93	160.07	56.19	82.58	133.67	-45.22
56	86	133	0.28	3.09	-1.25	1.04	0.80	2.17	119.76	-41.83	-29.28	107.22	-43.24
		128	0.23	1.52	-0.21	1.44	-0.13	0.35	-65.90	-159.56	-74.37	-151.09	-26.86
		7	0.47	1.12	-2.61	-1.42	-0.07	-1.74	70.43	-215.10	-20.87	-123.80	-133.17
		129	0.46	1.40	-1.95	-0.93	0.38	1.54	216.42	-64.85	18.61	132.96	-128.49
56	87	133	1.02	1.08	-4.50	-2.95	-0.46	-2.50	365.42	-283.19	142.59	-60.36	308.02
		128	0.87	7.03	-2.53	-2.49	6.99	-0.63	362.64	-189.82	160.01	12.81	266.25
		7	0.91	7.75	3.97	4.65	7.06	1.46	305.44	-292.19	23.69	-10.44	298.33
		129	1.03	3.50	-0.91	2.45	0.14	-1.88	310.49	-366.70	28.80	-85.01	333.78
56	88	133	0.84	1.92	-7.72	-4.49	-1.31	-4.55	251.84	-229.78	82.41	-60.35	229.99
		128	0.67	5.90	-4.61	-4.34	5.64	-1.66	245.07	-151.24	96.39	-2.55	191.88
		7	0.63	6.14	5.63	5.69	6.08	0.16	183.29	-245.91	-39.09	-23.52	214.46
		129	0.84	5.91	-2.94	3.21	-0.25	-4.07	188.41	-309.58	-34.18	-86.99	247.59
56	89	133	0.29	6.51	-2.17	2.65	1.68	4.31	119.42	16.82	29.63	106.61	33.91
		128	0.29	4.10	0.55	3.39	1.26	1.42	4.39	-150.85	-12.60	-133.86	48.47
		7	0.30	0.95	-2.54	-2.49	0.90	-0.40	57.49	-122.66	43.00	-108.17	-48.99
		129	0.31	3.57	-4.50	-1.72	0.79	3.84	159.15	57.23	82.08	134.31	-43.76
56	90	133	0.28	3.24	-1.29	1.12	0.83	2.26	119.59	-43.52	-30.56	106.62	-44.12
		128	0.23	1.62	-0.19	1.53	-0.10	0.39	-67.96	-157.48	-76.22	-149.22	-25.90
		7	0.47	1.06	-2.60	-1.45	-0.08	-1.70	71.70	-212.73	-19.78	-121.25	-132.86
		129	0.47	1.49	-2.05	-0.96	0.39	1.64	217.46	-66.02	19.11	132.33	-129.95
56	91	133	0.99	3.86	-1.38	1.06	1.42	2.61	387.95	-237.40	154.42	-3.87	302.49
		128	0.90	7.14	1.66	2.06	6.74	1.43	372.91	-216.65	167.58	-11.31	280.88
		7	0.89	7.04	-0.15	0.82	6.07	2.46	329.72	-239.64	108.09	-18.01	277.61
		129	0.97	3.52	-2.64	-4.38e-03	0.88	3.05	363.42	-248.38	122.92	-7.89	298.82
56	92	133	0.28	1.94	-8.13	-4.53	-1.66	-4.83	33.04	-70.60	-37.69	0.13	48.25
		128	0.22	2.67	-5.40	-4.71	1.98	-2.26	-19.42	-87.73	-32.17	-74.98	26.61
		7	0.23	5.95	1.39	4.48	2.87	-2.13	-78.10	-108.96	-108.44	-78.63	-3.99
		129	0.28	6.28	-4.10	2.71	-0.53	-4.93	-4.94	-95.63	-90.32	-10.25	21.29
56	93	133	0.80	6.96	-2.24	2.69	2.03	4.59	319.71	-123.86	149.73	46.13	

215.65												
		128	0.73	6.43	2.23	3.76	4.91	2.02	258.66	-204.14	115.95	-61.43
213.73												
		7	0.57	4.72	-1.88	-1.28	4.12	1.89	218.21	-158.92	112.35	-53.06
169.46												
		129	0.69	4.75	-4.90	-1.22	1.07	4.69	284.84	-89.05	138.23	57.57
182.54												
56	94	133	0.25	1.02	-4.97	-2.90	-1.05	-2.85	64.11	-56.37	-42.39	50.13-38.59
		128	0.26	0.87	-3.74	-3.02	0.15	-1.67	-58.95	-149.94	-83.79	-125.10-40.54
		7	0.43	4.45	-1.15	2.39	0.91	-2.70	3.31	-221.17	-104.18	-113.68 -
112.14												
		129	0.40	3.99	-2.84	1.50	-0.35	-3.29	105.26	-125.07	-75.02	55.21-94.99
56	95	133	0.98	3.80	-1.36	1.04	1.40	2.58	394.94	-229.84	169.02	-3.92
300.19												
		128	0.89	7.08	1.63	2.03	6.68	1.42	371.04	-217.75	167.66	-14.37
279.97												
		7	0.88	7.00	-0.14	0.84	6.02	2.46	326.21	-239.76	107.32	-20.88
275.63												
		129	0.97	3.49	-2.60	0.01	0.88	3.01	361.67	-247.14	122.58	-8.06
297.31												
56	96	133	0.27	1.95	-8.18	-4.56	-1.68	-4.86	35.88	-58.89	-23.10	0.08 45.94
		128	0.23	2.63	-5.45	-4.75	1.93	-2.27	-20.59	-89.54	-32.09	-78.04 25.70
		7	0.23	5.96	1.36	4.51	2.81	-2.13	-80.26	-110.44	-109.21	-81.50 -5.97
		129	0.28	6.33	-4.13	2.73	-0.53	-4.97	-5.81	-95.27	-90.66	-10.42 19.78
56	97	133	0.80	7.01	-2.25	2.72	2.05	4.62	313.10	-131.80	135.13	46.17
217.96												
		128	0.73	6.49	2.26	3.79	4.96	2.03	260.40	-202.90	115.87	-58.37
214.64												
		7	0.58	4.76	-1.90	-1.30	4.17	1.90	221.35	-158.43	113.11	-50.19
171.44												
		129	0.69	4.78	-4.95	-1.24	1.07	4.73	286.59	-90.28	138.57	57.74
184.05												
56	98	133	0.26	1.01	-4.92	-2.87	-1.03	-2.82	61.31	-68.12	-56.98	50.18-36.29
		128	0.25	0.91	-3.69	-2.98	0.21	-1.66	-58.97	-146.94	-83.87	-122.04-39.63
		7	0.42	4.45	-1.12	2.36	0.97	-2.69	3.11	-217.34	-103.41	-110.81 -
110.16												
		129	0.40	3.95	-2.81	1.48	-0.34	-3.25	104.23	-123.53	-74.68	55.38-93.48
56	99	133	0.99	3.39	-1.27	0.83	1.29	2.32	394.19	-237.41	158.67	-1.89
305.43												
		128	0.89	6.94	1.43	1.76	6.61	1.30	371.81	-215.60	173.74	-17.54
277.69												
		7	0.88	6.99	0.03	0.92	6.10	2.32	323.21	-245.26	104.47	-26.51
276.59												
		129	0.98	3.20	-2.29	0.09	0.83	2.72	368.01	-252.53	121.26	-5.77
303.70												
56	100	133	0.26	1.83	-7.65	-4.29	-1.53	-4.53	27.65	-71.45	-41.94	-1.85 45.32
		128	0.21	2.74	-5.05	-4.42	2.11	-2.13	-20.09	-87.00	-38.34	-68.76 29.80
		7	0.22	5.75	1.47	4.38	2.83	-2.00	-69.87	-105.07	-104.82	-70.12 -2.97
		129	0.26	5.93	-3.78	2.62	-0.48	-4.60	-8.98	-92.03	-88.65	-12.37 16.41
56	101	133	0.80	6.48	-2.12	2.46	1.90	4.29	325.95	-123.86	153.98	48.11
218.58												
		128	0.72	6.12	2.12	3.46	4.79	1.89	258.17	-203.70	122.12	-67.65
210.54												
		7	0.57	4.68	-1.71	-1.18	4.15	1.76	212.31	-165.16	108.73	-61.57
168.44												
		129	0.69	4.44	-4.55	-1.13	1.01	4.36	289.44	-93.20	136.56	59.68
187.42												
56	102	133	0.25	0.91	-4.49	-2.66	-0.92	-2.55	63.77	-62.25	-46.63	48.15-41.53
		128	0.25	0.93	-3.37	-2.72	0.28	-1.54	-64.36	-144.47	-89.96	-118.87-37.35
		7	0.42	4.24	-1.07	2.29	0.88	-2.56	8.27	-214.01	-100.56	-105.18 -
111.12												
		129	0.41	3.64	-2.52	1.41	-0.29	-2.96	108.07	-128.33	-73.35	53.09-99.87
56	103	133	0.99	3.33	-1.26	0.80	1.27	2.28	401.19	-229.86	173.27	-1.94
303.12												
		128	0.88	6.88	1.41	1.73	6.56	1.29	369.97	-216.74	173.82	-20.60
276.79												
		7	0.88	6.95	0.04	0.94	6.05	2.32	319.72	-245.40	103.70	-29.38
274.61												
		129	0.97	3.17	-2.24	0.10	0.83	2.68	366.26	-251.29	120.91	-5.94
302.19												
56	104	133	0.26	1.84	-7.70	-4.32	-1.55	-4.56	30.23	-59.47	-27.34	-1.90 43.01
		128	0.22	2.69	-5.09	-4.45	2.05	-2.14	-21.62	-88.45	-38.26	-71.82 28.89

		7	0.22	5.75	1.43	4.41	2.78	-2.00	-72.26	-106.32	-105.59	-72.99	-4.95
		129	0.26	5.97	-3.81	2.64	-0.48	-4.64	-9.73	-91.80	-88.99	-12.53	14.90
56	105	133	0.80	6.53	-2.14	2.48	1.92	4.33	319.32	-131.78	139.38	48.16	
220.89													
		128	0.72	6.18	2.15	3.49	4.84	1.90	259.85	-202.41	122.04	-64.60	
211.45													
		7	0.57	4.73	-1.73	-1.20	4.20	1.76	215.43	-164.64	109.49	-58.70	
170.41													
		129	0.70	4.47	-4.59	-1.15	1.02	4.40	291.19	-94.44	136.90	59.85	
188.93													
56	106	133	0.26	0.90	-4.44	-2.64	-0.90	-2.52	60.80	-73.84	-61.23	48.19	-39.22
		128	0.24	0.97	-3.32	-2.69	0.33	-1.53	-64.27	-141.58	-90.04	-115.82	-36.44
		7	0.41	4.24	-1.05	2.26	0.93	-2.56	8.10	-210.20	-99.79	-102.31	-
109.14													
		129	0.40	3.59	-2.49	1.39	-0.29	-2.92	107.01	-126.75	-73.01	53.26	-98.36
57	1	131	0.37	-0.23	-3.08	-0.28	-3.03	0.36	196.45	-14.64	14.24	167.57	72.55
		134	0.25	0.76	0.04	0.39	0.41	0.36	76.06	-91.29	-18.25	3.02	83.00
		133	0.15	1.00	-0.34	-0.24	0.89	0.36	31.82	-63.91	-7.86	-24.22	47.16
		130	0.30	-0.96	-2.99	-1.02	-2.92	0.36	166.23	20.91	29.05	158.09	33.42
57	2	131	1.85	-1.26	-19.57	-1.41	-19.41	1.67	923.56	-93.93	57.30	772.34	
361.94													
		134	1.26	4.18	0.78	2.78	2.18	1.67	350.42	-490.78	-102.48	-37.88	
419.36													
		133	0.77	5.63	-1.66	-1.26	5.22	1.67	145.65	-358.71	-42.73	-170.33	
243.98													
		130	1.46	-5.96	-18.95	-6.18	-18.73	1.67	772.95	93.82	139.27	727.50	
169.71													
57	3	131	0.26	-0.16	-2.06	-0.19	-2.02	0.25	137.40	-9.77	10.14	117.48	50.35
		134	0.17	0.52	0.02	0.26	0.28	0.25	53.34	-62.70	-12.45	3.10	57.50
		133	0.10	0.68	-0.24	-0.17	0.60	0.25	22.35	-43.61	-5.39	-15.88	32.56
		130	0.21	-0.64	-2.00	-0.69	-1.95	0.25	116.43	14.70	20.27	110.86	23.13
57	4	131	1.73	-1.19	-18.55	-1.33	-18.40	1.56	864.52	-89.06	53.20	722.26	
339.74													
		134	1.19	3.94	0.76	2.65	2.05	1.56	327.71	-462.19	-96.68	-37.80	
393.85													
		133	0.73	5.31	-1.56	-1.18	4.93	1.56	136.20	-338.44	-40.26	-161.98	
229.38													
		130	1.37	-5.64	-17.96	-5.84	-17.76	1.56	723.16	87.60	130.48	680.27	
159.43													
57	5	131	0.28	-0.17	-2.23	-0.20	-2.20	0.27	145.15	-10.62	10.60	123.94	53.43
		134	0.19	0.56	0.02	0.28	0.30	0.27	56.26	-66.95	-13.35	2.66	61.08
		133	0.11	0.73	-0.25	-0.18	0.65	0.27	23.55	-46.75	-5.76	-17.44	34.66
		130	0.22	-0.70	-2.17	-0.75	-2.12	0.27	122.90	15.48	21.44	116.94	24.59
57	6	131	1.26	-0.86	-13.22	-0.96	-13.12	1.14	629.89	-63.46	39.31	527.12	
246.36													
		134	0.86	2.83	0.52	1.88	1.48	1.14	239.15	-333.26	-69.50	-24.61	
285.32													
		133	0.52	3.81	-1.13	-0.85	3.54	1.14	99.41	-243.26	-29.01	-114.84	
165.88													
		130	0.99	-4.03	-12.81	-4.18	-12.66	1.14	527.36	64.10	94.92	496.54	
115.45													
57	7	131	0.28	-0.17	-2.23	-0.20	-2.20	0.27	145.15	-10.62	10.60	123.94	53.43
		134	0.19	0.56	0.02	0.28	0.30	0.27	56.26	-66.95	-13.35	2.66	61.08
		133	0.11	0.73	-0.25	-0.18	0.65	0.27	23.55	-46.75	-5.76	-17.44	34.66
		130	0.22	-0.70	-2.17	-0.75	-2.12	0.27	122.90	15.48	21.44	116.94	24.59
57	8	131	0.96	-0.65	-9.93	-0.73	-9.84	0.88	484.45	-47.60	30.70	406.16	
188.48													
		134	0.66	2.15	0.37	1.40	1.12	0.88	184.26	-253.34	-52.65	-16.43	
218.05													
		133	0.40	2.89	-0.87	-0.65	2.67	0.88	76.62	-184.27	-22.03	-85.62	
126.51													
		130	0.76	-3.03	-9.62	-3.15	-9.50	0.88	406.01	49.53	72.88	382.66	88.19
57	9	131	0.28	-0.17	-2.23	-0.20	-2.20	0.27	145.15	-10.62	10.60	123.94	53.43
		134	0.19	0.56	0.02	0.28	0.30	0.27	56.26	-66.95	-13.35	2.66	61.08
		133	0.11	0.73	-0.25	-0.18	0.65	0.27	23.55	-46.75	-5.76	-17.44	34.66
		130	0.22	-0.70	-2.17	-0.75	-2.12	0.27	122.90	15.48	21.44	116.94	24.59
57	10	131	0.86	-0.58	-8.83	-0.66	-8.75	0.79	435.98	-42.31	27.83	365.84	
169.19													
		134	0.59	1.92	0.32	1.24	1.01	0.79	165.97	-226.71	-47.04	-13.70	
195.63													
		133	0.36	2.58	-0.78	-0.58	2.38	0.79	69.02	-164.61	-19.71	-75.88	
113.39													

		130	0.68	-2.70	-8.55	-2.81	-8.44	0.79	365.56	44.67	65.53	344.70	79.10
57	11	131	3.15	-1.22	-27.98	-1.26	-27.94	1.06	1578.29	-210.99	102.12	1265.18	
679.85													
		134	2.30	5.41	-1.49	4.34	-0.42	-2.49	571.70	-949.72	-212.56	-165.46	
760.34													
		133	1.58	6.98	-3.63	-2.84	6.20	2.78	147.81	-860.11	-116.32	-595.98	
443.24													
		130	2.32	-7.42	-28.74	-8.81	-27.35	5.26	1267.89	146.74	238.66	1175.96	
307.59													
57	12	131	2.19	-0.36	-40.29	-0.36	-40.29	-0.06	908.10	-193.79	43.09	671.22	
452.66													
		134	1.75	9.09	-6.71	6.75	-4.37	-5.61	266.14	-813.66	-140.90	-406.62	
523.30													
		133	1.07	3.29	-3.32	-3.13	3.10	1.10	96.39	-579.05	-101.36	-381.30	
307.35													
		130	1.61	-9.59	-41.20	-11.50	-39.29	7.53	713.53	10.60	106.03	618.09	
240.78													
57	13	131	0.56	22.90	-1.07	-0.96	22.79	1.64	153.28	-80.25	12.56	60.47	-
114.28													
		134	0.76	10.00	-7.89	-4.28	6.39	7.19	425.28	0.75	46.82	379.22	-
132.04													
		133	0.42	2.31	1.32	1.96	1.66	0.47	262.00	29.50	61.95	229.55	-80.57
		130	0.60	24.32	3.97	5.89	22.40	-5.95	133.91	-37.58	25.03	71.31	-82.57
57	14	131	1.43	10.46	-0.08	-0.06	10.44	0.52	129.43	-709.38	-46.47	-533.49	-
341.47													
		134	1.20	4.89	-4.32	-1.86	2.44	4.07	497.49	-240.94	118.49	138.06	-
369.09													
		133	0.93	2.09	-1.84	1.68	-1.43	-1.20	544.44	-23.31	76.90	444.23	-
216.46													
		130	0.95	12.00	1.66	3.19	10.47	-3.68	-55.80	-538.37	-107.60	-486.56	-
149.38													
57	15	131	3.17	-1.19	-28.38	-1.23	-28.34	0.98	1587.01	-213.89	103.49	1269.62	
686.19													
		134	2.31	5.57	-1.69	4.43	-0.56	-2.64	579.96	-949.86	-213.51	-156.39	
764.38													
		133	1.60	6.87	-3.60	-2.85	6.12	2.71	147.06	-870.13	-117.77	-605.31	
446.37													
		130	2.31	-7.15	-29.45	-9.13	-27.47	6.34	1272.94	146.32	239.87	1179.39	
310.87													
57	16	131	2.16	-0.39	-39.89	-0.39	-39.89	0.01	899.11	-190.62	41.71	666.78	
446.32													
		134	1.74	8.92	-6.51	6.66	-4.24	-5.46	259.44	-815.07	-139.95	-415.68	
519.26													
		133	1.05	3.39	-3.34	-3.13	3.18	1.18	97.30	-569.20	-99.92	-371.98	
304.22													
		130	1.61	-9.77	-40.58	-11.18	-39.16	6.44	708.16	11.34	104.83	614.67	
237.50													
57	17	131	0.55	22.49	-1.04	-0.93	22.39	1.57	150.33	-71.49	13.94	64.91	-
107.94													
		134	0.77	9.80	-7.73	-4.18	6.25	7.04	430.85	3.31	45.87	388.28	-
128.01													
		133	0.41	2.22	1.33	1.96	1.59	0.40	251.61	29.12	60.50	220.23	-77.44
		130	0.58	23.59	4.25	5.56	22.28	-4.86	133.40	-32.43	26.23	74.73	-79.29
57	18	131	1.46	10.87	-0.12	-0.09	10.84	0.59	132.57	-718.35	-47.84	-537.93	-
347.81													
		134	1.22	5.09	-4.48	-1.96	2.57	4.22	497.37	-248.94	119.44	128.99	-
373.12													
		133	0.95	2.05	-1.73	1.68	-1.35	-1.13	554.76	-22.86	78.35	453.55	-
219.59													
		130	0.95	12.98	1.12	3.51	10.59	-4.76	-55.21	-543.59	-108.81	-489.99	-
152.66													
57	19	131	3.16	-1.21	-28.51	-1.24	-28.47	0.98	1579.23	-212.39	103.94	1262.91	
683.14													
		134	2.31	5.59	-1.69	4.44	-0.54	-2.66	569.06	-956.39	-212.35	-174.98	
762.50													
		133	1.59	6.99	-3.80	-2.94	6.13	2.91	144.02	-868.72	-117.16	-607.54	
443.05													
		130	2.32	-7.52	-29.27	-8.93	-27.86	5.36	1265.53	146.44	239.23	1172.73	
308.60													
57	20	131	2.20	-0.34	-40.83	-0.34	-40.83	-0.14	909.41	-195.56	44.90	668.95	
455.94													
		134	1.77	9.27	-6.91	6.85	-4.49	-5.77	264.80	-821.62	-140.69	-416.14	

525.46												
		133	1.07	3.27	-3.46	-3.22	3.03	1.24	92.28	-587.34	-102.20	-392.86
307.16												
		130	1.61	-9.69	-41.73	-11.63	-39.80	7.63	711.50	9.96	106.60	614.86
241.79												
57	21	131	0.57	23.45	-1.10	-0.97	23.33	1.72	157.15	-83.66	10.75	62.74
117.57												
		134	0.77	10.21	-8.08	-4.37	6.50	7.35	435.10	0.25	46.61	388.73
134.20												
		133	0.44	2.27	1.52	2.06	1.73	0.34	271.99	31.90	62.78	241.11
		130	0.61	24.86	4.07	6.01	22.91	-6.05	136.75	-37.75	24.46	74.54
57	22	131	1.45	11.01	-0.11	-0.07	10.97	0.60	131.16	-710.66	-48.29	-531.22
344.76												
		134	1.21	5.10	-4.51	-1.96	2.55	4.24	504.46	-238.61	118.28	147.58
371.24												
		133	0.94	2.26	-1.86	1.77	-1.37	-1.33	554.00	-20.47	77.74	455.79
216.27												
		130	0.95	12.53	1.77	3.32	10.98	-3.78	-55.33	-536.17	-108.17	-483.33
150.39												
57	23	131	3.18	-1.19	-28.91	-1.21	-28.88	0.90	1587.97	-215.31	105.31	1267.35
689.47												
		134	2.32	5.75	-1.89	4.53	-0.67	-2.80	577.30	-956.51	-213.30	-165.91
766.54												
		133	1.61	6.87	-3.76	-2.94	6.05	2.84	143.29	-878.75	-118.60	-616.86
446.18												
		130	2.32	-7.25	-29.99	-9.25	-27.99	6.44	1270.58	146.01	240.44	1176.16
311.88												
57	24	131	2.17	-0.37	-40.42	-0.37	-40.42	-0.07	900.42	-192.38	43.53	664.51
449.61												
		134	1.76	9.11	-6.71	6.75	-4.36	-5.63	258.13	-823.07	-139.74	-425.20
521.42												
		133	1.06	3.37	-3.48	-3.22	3.11	1.31	93.15	-577.45	-100.75	-383.54
304.03												
		130	1.61	-9.87	-41.11	-11.30	-39.68	6.54	706.13	10.70	105.40	611.44
238.51												
57	25	131	0.56	23.04	-1.06	-0.95	22.92	1.65	154.24	-74.93	12.12	67.18
111.23												
		134	0.78	10.01	-7.92	-4.28	6.37	7.21	440.69	2.77	45.66	397.80
130.17												
		133	0.42	2.19	1.52	2.06	1.65	0.27	261.59	31.53	61.34	231.78
		130	0.59	24.13	4.35	5.69	22.79	-4.97	136.26	-32.64	25.66	77.97
57	26	131	1.47	11.42	-0.14	-0.10	11.38	0.68	134.32	-719.64	-49.66	-535.66
351.09												
		134	1.23	5.30	-4.67	-2.05	2.68	4.38	504.27	-246.54	119.23	138.51
375.28												
		133	0.96	2.23	-1.74	1.78	-1.29	-1.26	564.33	-20.04	79.18	465.11
219.40												
		130	0.95	13.50	1.24	3.64	11.10	-4.86	-54.72	-541.41	-109.38	-486.75
153.67												
57	27	131	3.23	5.13	-3.10	-2.20	4.23	2.57	1803.79	-127.66	139.65	1536.48
666.96												
		134	2.38	8.60	-3.52	-1.49	6.57	4.52	819.01	-717.86	-205.38	306.53
724.56												
		133	1.51	9.69	-2.30	-0.83	8.22	3.93	169.47	-798.36	-71.37	-557.51
418.44												
		130	2.35	4.34	-0.88	-0.52	3.98	-1.32	1492.97	265.83	318.62	1440.18
248.99												
57	28	131	1.35	0.83	-36.99	0.80	-36.95	-1.16	-37.04	-463.47	-57.13	-443.38
		134	1.09	8.77	-8.82	6.55	-6.60	-5.85	41.48	-505.31	33.49	-497.33
		133	0.31	-0.27	-3.60	-1.78	-2.10	-1.66	164.50	-27.93	-21.52	158.10
		130	1.19	-8.08	-37.21	-9.50	-35.80	6.26	-121.16	-421.70	-123.47	-419.38
57	29	131	2.57	19.79	-2.46	-2.11	19.45	2.74	1326.51	-38.66	112.78	1175.07
428.72												
		134	1.88	12.03	-7.50	-4.07	8.61	7.43	717.03	-374.67	-127.57	469.93
456.84												
		133	0.93	8.24	-0.76	0.61	6.86	3.24	135.44	-463.18	-17.89	-309.85
261.30												
		130	1.98	20.25	2.55	3.89	18.91	-4.68	1128.70	234.62	254.53	1108.79
131.94												
57	30	131	1.91	0.93	-21.77	0.89	-21.73	-0.99	43.31	-932.10	-83.99	-804.79
328.58												
		134	1.31	4.88	-5.47	3.96	-4.55	-2.94	289.50	-512.12	111.31	-333.93

333.30												
		133	0.86	0.92	-4.72	-0.34	-3.46	-2.35	486.56	-48.85	31.95	405.76	-
191.66												
		130	1.45	-4.58	-21.38	-5.09	-20.87	2.90	-173.30	-765.05	-187.57	-750.78	-90.78
57	31	131	3.23	4.97	-3.10	-2.20	4.07	2.54	1803.96	-127.97	140.19	1535.80	
667.95												
		134	2.38	8.53	-3.46	-1.46	6.53	4.47	817.74	-719.39	-205.32	303.67	
725.20												
		133	1.52	9.69	-2.35	-0.86	8.20	3.97	168.37	-800.98	-71.62	-560.98	
418.38												
		130	2.35	4.18	-0.91	-0.56	3.83	-1.29	1492.18	265.83	318.80	1439.21	
249.29												
57	32	131	1.35	0.84	-37.15	0.80	-37.11	-1.19	-36.97	-463.68	-56.58	-444.06	-89.36
		134	1.10	8.83	-8.88	6.58	-6.63	-5.90	41.34	-507.97	33.56	-500.19	-64.94
		133	0.30	-0.34	-3.59	-1.81	-2.12	-1.62	161.16	-28.31	-21.78	154.63	-34.57
		130	1.19	-8.12	-37.37	-9.54	-35.95	6.29	-120.95	-422.71	-123.30	-420.35	26.57
57	33	131	2.58	19.96	-2.46	-2.12	19.61	2.77	1326.43	-38.45	112.23	1175.75	
427.74												
		134	1.89	12.10	-7.55	-4.10	8.64	7.48	718.69	-373.53	-127.63	472.78	
456.19												
		133	0.93	8.23	-0.70	0.64	6.88	3.20	136.56	-460.59	-17.64	-306.38	
261.35												
		130	1.98	20.41	2.58	3.92	19.06	-4.71	1129.56	234.56	254.36	1109.76	
131.64												
57	34	131	1.91	0.92	-21.61	0.88	-21.57	-0.96	43.59	-932.24	-84.54	-804.11	-
329.57												
		134	1.31	4.83	-5.42	3.94	-4.52	-2.89	290.63	-510.45	111.25	-331.07	-
333.95												
		133	0.87	0.98	-4.73	-0.31	-3.44	-2.39	489.50	-48.07	32.21	409.22	-
191.60												
		130	1.45	-4.54	-21.22	-5.05	-20.72	2.87	-173.35	-764.20	-187.74	-749.81	-91.08
57	35	131	3.26	3.80	-3.02	-2.11	2.89	2.32	1831.83	-136.32	144.23	1551.29	
688.08												
		134	2.42	7.93	-2.98	-1.18	6.13	4.05	850.86	-722.67	-208.55	336.75	
738.01												
		133	1.56	9.30	-2.17	-0.83	7.96	3.69	167.18	-831.96	-76.19	-588.58	
428.87												
		130	2.41	4.45	-2.47	-1.59	3.58	2.30	1508.56	265.67	322.64	1451.60	
259.91												
57	36	131	1.36	0.73	-35.63	0.71	-35.61	-0.92	-32.52	-487.37	-61.71	-458.18	-
111.46												
		134	1.14	8.24	-8.16	6.24	-6.16	-5.37	47.53	-538.42	36.66	-527.55	-79.04
		133	0.36	-0.39	-3.22	-1.77	-1.84	-1.42	198.56	-26.09	-16.70	189.17	-44.95
		130	1.18	-8.17	-35.65	-8.43	-35.39	2.64	-126.71	-431.58	-127.49	-430.80	15.35
57	37	131	2.60	18.41	-2.33	-2.02	18.10	2.50	1353.57	-46.33	117.36	1189.87	
449.84												
		134	1.93	11.37	-6.96	-3.76	8.17	6.95	751.00	-381.58	-130.74	500.15	
470.30												
		133	0.98	7.84	-0.63	0.61	6.60	3.00	133.06	-496.70	-22.71	-340.92	
271.73												
		130	2.02	18.58	2.74	2.81	18.50	-1.06	1143.27	235.48	258.55	1120.20	
142.86												
57	38	131	1.94	0.82	-20.41	0.80	-20.39	-0.74	51.77	-959.94	-88.57	-819.60	-
349.70												
		134	1.36	4.37	-4.83	3.65	-4.11	-2.47	296.48	-546.16	114.48	-364.15	-
346.75												
		133	0.91	0.78	-4.31	-0.33	-3.20	-2.11	521.15	-47.54	36.77	436.83	-
202.09												
		130	1.49	-3.99	-20.49	-4.02	-20.46	-0.72	-173.99	-779.78	-191.58	-762.20	-
101.70												
57	39	131	3.26	3.64	-3.03	-2.11	2.72	2.30	1832.02	-136.64	144.77	1550.60	
689.07												
		134	2.42	7.87	-2.92	-1.15	6.09	4.00	849.57	-724.17	-208.49	333.89	
738.66												
		133	1.56	9.31	-2.23	-0.86	7.94	3.73	166.10	-834.59	-76.44	-592.05	
428.81												
		130	2.41	4.34	-2.54	-1.63	3.43	2.33	1507.77	265.67	322.81	1450.63	
260.22												
57	40	131	1.36	0.74	-35.79	0.71	-35.77	-0.94	-32.53	-487.49	-61.16	-458.87	-
110.48												
		134	1.15	8.30	-8.22	6.26	-6.19	-5.42	47.36	-541.04	36.73	-530.41	-78.39
		133	0.35	-0.45	-3.21	-1.80	-1.86	-1.38	195.25	-26.50	-16.96	185.70	-45.01

		130	1.18	-8.20	-35.80	-8.46	-35.54	2.67	-126.51	-432.57	-127.32	-431.77	15.65
57	41	131	2.60	18.57	-2.34	-2.03	18.26	2.52	1353.47	-46.10	116.81	1190.55	448.86
		134	1.93	11.43	-7.01	-3.79	8.20	7.00	752.67	-380.46	-130.80	503.01	469.65
		133	0.97	7.83	-0.58	0.64	6.62	2.95	134.16	-494.08	-22.46	-337.46	271.79
		130	2.02	18.73	2.78	2.85	18.66	-1.09	1144.12	235.43	258.37	1121.17	142.56
57	42	131	1.94	0.82	-20.25	0.79	-20.23	-0.72	52.08	-960.11	-89.12	-818.92	-350.69
		134	1.35	4.32	-4.78	3.62	-4.08	-2.42	297.59	-544.47	114.42	-361.29	-347.40
		133	0.92	0.84	-4.32	-0.30	-3.18	-2.15	524.10	-46.78	37.03	440.30	-202.03
		130	1.49	-3.95	-20.34	-3.98	-20.31	-0.75	-174.03	-778.95	-191.75	-761.23	-102.01
57	43	131	2.66	-1.09	-23.99	-1.13	-23.94	1.02	1336.82	-175.17	86.61	1075.03	572.09
		134	1.93	4.41	-0.84	3.69	-0.12	-1.81	485.16	-798.06	-177.39	-135.51	641.27
		133	1.32	6.02	-3.02	-2.37	5.37	2.34	130.11	-712.40	-95.91	-486.38	373.29
		130	1.97	-6.46	-24.52	-7.55	-23.42	4.31	1076.95	125.37	202.21	1000.11	259.27
57	44	131	1.91	-0.42	-33.69	-0.42	-33.69	0.13	806.52	-161.25	40.17	605.10	392.89
		134	1.49	7.32	-4.96	5.59	-3.24	-4.26	242.64	-687.15	-120.78	-323.73	453.69
		133	0.91	3.10	-2.77	-2.59	2.92	1.02	89.41	-492.49	-84.01	-319.07	266.16
		130	1.41	-8.17	-34.35	-9.67	-32.84	6.10	637.65	18.34	97.36	558.62	206.63
57	45	131	0.49	16.31	-1.02	-0.89	16.19	1.45	148.87	-6.80	15.48	126.59	-54.51
		134	0.59	8.26	-6.12	-3.12	5.25	5.84	310.08	12.95	26.71	296.32	-62.43
		133	0.29	2.23	1.03	1.42	1.84	0.56	178.86	33.04	44.59	167.31	-39.38
		130	0.51	17.48	2.54	4.06	15.96	-4.52	150.80	13.67	33.69	130.78	-48.42
57	46	131	0.95	6.49	-0.23	-0.19	6.44	0.56	93.95	-468.25	-30.96	-343.34	-233.71
		134	0.83	4.23	-3.32	-1.21	2.13	3.39	346.03	-154.61	83.32	108.11	-250.01
		133	0.67	1.48	-0.88	1.20	-0.60	-0.76	397.56	-6.44	56.49	334.62	-146.51
		130	0.61	7.81	0.67	1.94	6.54	-2.73	-34.22	-347.64	-71.15	-310.71	-101.06
57	47	131	2.68	-1.07	-24.31	-1.11	-24.27	0.96	1343.84	-177.48	87.75	1078.61	577.19
		134	1.94	4.54	-1.00	3.77	-0.22	-1.92	491.91	-798.01	-178.14	-127.95	644.47
		133	1.33	5.93	-3.00	-2.37	5.31	2.28	129.43	-720.63	-97.06	-494.14	375.81
		130	1.97	-6.26	-25.07	-7.81	-23.53	5.16	1080.99	125.06	203.19	1002.86	261.88
57	48	131	1.89	-0.44	-33.37	-0.44	-33.37	0.19	799.31	-158.76	39.03	601.52	387.79
		134	1.49	7.19	-4.80	5.52	-3.14	-4.15	237.05	-688.36	-120.03	-331.28	450.49
		133	0.90	3.18	-2.79	-2.59	2.98	1.08	90.23	-484.40	-82.87	-311.30	263.64
		130	1.41	-8.29	-33.86	-9.42	-32.73	5.25	633.37	18.87	96.38	555.86	204.02
57	49	131	0.49	15.98	-0.99	-0.87	15.87	1.39	148.66	-1.87	16.62	130.17	-49.41
		134	0.60	8.10	-5.99	-3.04	5.15	5.73	315.98	13.86	25.95	303.88	-59.23
		133	0.28	2.14	1.07	1.42	1.78	0.50	170.26	32.74	43.45	159.55	-36.86
		130	0.50	16.88	2.78	3.81	15.85	-3.67	151.50	16.72	34.68	133.54	-45.81
57	50	131	0.97	6.82	-0.26	-0.21	6.77	0.62	96.52	-475.54	-32.10	-346.92	-238.82
		134	0.85	4.39	-3.45	-1.29	2.23	3.50	345.66	-161.04	84.07	100.55	-253.22
		133	0.68	1.45	-0.79	1.20	-0.54	-0.70	406.12	-6.10	57.64	342.38	-149.03
		130	0.60	8.64	0.20	2.19	6.64	-3.58	-33.72	-351.88	-72.14	-313.46	-

103.67												
57	51	131	2.67	-1.08	-24.40	-1.12	-24.36	0.95	1335.77	-176.04	88.05	1071.68
574.03												
		134	1.94	4.55	-0.99	3.77	-0.21	-1.94	482.40	-802.32	-176.94	-142.99
642.14												
		133	1.32	6.01	-3.15	-2.44	5.31	2.44	126.77	-718.46	-96.44	-495.25
372.62												
		130	1.97	-6.54	-24.94	-7.65	-23.82	4.38	1073.51	124.97	202.43	996.06
259.75												
57	52	131	1.91	-0.41	-34.11	-0.41	-34.11	0.07	805.75	-162.40	41.60	601.75
394.83												
		134	1.50	7.46	-5.12	5.67	-3.33	-4.40	240.86	-692.39	-120.33	-331.20
454.56												
		133	0.92	3.08	-2.88	-2.66	2.86	1.12	85.81	-498.29	-84.54	-327.94
265.49												
		130	1.41	-8.25	-34.77	-9.77	-33.24	6.17	634.47	17.68	97.58	554.57
207.12												
57	53	131	0.50	16.74	-1.04	-0.91	16.61	1.51	152.89	-8.90	14.05	129.94-56.45
		134	0.60	8.42	-6.27	-3.19	5.34	5.98	317.56	12.50	26.25	303.80-63.30
		133	0.30	2.20	1.20	1.50	1.90	0.46	186.76	34.55	45.12	176.19-38.71
		130	0.53	17.89	2.62	4.16	16.36	-4.59	154.58	13.73	33.48	134.83-48.91
57	54	131	0.96	6.92	-0.26	-0.20	6.86	0.63	95.21	-467.59	-32.39	-339.99 -
235.65												
		134	0.84	4.39	-3.47	-1.29	2.22	3.52	350.64	-152.19	82.86	115.58 -
250.88												
		133	0.68	1.62	-0.89	1.28	-0.54	-0.86	404.67	-4.15	57.03	343.49 -
145.84												
		130	0.60	8.21	0.76	2.04	6.94	-2.81	-33.61	-344.42	-71.37	-306.66 -
101.54												
57	55	131	2.69	-1.06	-24.72	-1.09	-24.69	0.90	1342.80	-178.36	89.18	1075.26
579.13												
		134	1.95	4.68	-1.15	3.84	-0.31	-2.05	489.13	-802.25	-177.69	-135.43
645.34												
		133	1.34	5.92	-3.12	-2.44	5.25	2.38	126.11	-726.70	-97.59	-503.01
375.14												
		130	1.97	-6.35	-25.49	-7.90	-23.93	5.23	1077.56	124.66	203.41	998.81
262.37												
57	56	131	1.89	-0.43	-33.78	-0.43	-33.78	0.13	798.53	-159.89	40.47	598.16
389.72												
		134	1.49	7.33	-4.96	5.59	-3.22	-4.28	235.30	-693.64	-119.58	-338.76
451.36												
		133	0.90	3.16	-2.90	-2.66	2.92	1.18	86.60	-490.17	-83.40	-320.18
262.97												
		130	1.41	-8.37	-34.28	-9.52	-33.14	5.32	630.19	18.22	96.60	551.82
204.50												
57	57	131	0.50	16.41	-1.01	-0.89	16.28	1.45	152.70	-3.99	15.18	133.52-51.35
		134	0.61	8.26	-6.14	-3.12	5.24	5.86	323.48	13.38	25.50	311.36-60.10
		133	0.29	2.11	1.23	1.50	1.84	0.40	178.18	34.22	43.98	168.42-36.19
		130	0.51	17.30	2.86	3.90	16.25	-3.74	155.32	16.73	34.46	137.59-46.29
57	58	131	0.98	7.25	-0.28	-0.22	7.19	0.68	97.79	-474.90	-33.53	-343.57 -
240.75												
		134	0.85	4.55	-3.59	-1.36	2.32	3.63	350.20	-158.56	83.61	108.03 -
254.09												
		133	0.69	1.59	-0.79	1.28	-0.48	-0.80	413.24	-3.82	58.17	351.26 -
148.36												
		130	0.60	9.03	0.31	2.29	7.05	-3.65	-33.09	-348.68	-72.35	-309.41 -
104.16												
57	59	131	2.69	2.57	-2.96	-1.87	1.48	2.20	1516.69	-109.45	115.90	1291.33
561.85												
		134	2.00	7.14	-2.65	-0.91	5.41	3.74	678.32	-615.09	-172.00	235.22
613.82												
		133	1.26	8.18	-1.97	-0.78	6.99	3.26	147.83	-661.23	-60.62	-452.78
353.84												
		130	1.96	1.63	-1.30	-1.02	1.35	-0.86	1256.68	219.78	265.55	1210.91
212.98												
57	60	131	0.96	0.50	-31.04	0.49	-31.02	-0.75	-33.69	-280.33	-38.91	-275.11-35.49
		134	0.82	7.08	-6.65	5.43	-5.00	-4.46	17.01	-392.49	16.69	-392.17-11.45
		133	0.20	-0.19	-2.50	-1.52	-1.17	-1.15	105.00	-21.03	-20.95	104.92 -3.26
		130	0.87	-6.96	-31.17	-8.08	-30.05	5.09	-76.30	-268.35	-83.94	-260.71 37.53
57	61	131	2.17	13.86	-2.15	-1.80	13.52	2.33	1140.45	-39.08	94.56	1006.80
373.87												
		134	1.59	9.86	-5.80	-2.96	7.02	6.03	594.66	-340.66	-110.77	364.77

402.71												
		133	0.81	7.04	-0.76	0.35	5.93	2.73	121.47	-396.61	-18.47	-256.67
230.03												
		130	1.66	14.21	1.42	2.47	13.16	-3.51	969.41	195.69	215.00	950.11
120.68												
57	62	131	1.38	0.58	-19.00	0.56	-18.98	-0.62	25.15	-645.04	-60.25	-559.64
223.47												
		134	0.93	4.02	-4.02	3.39	-3.39	-2.16	187.88	-372.58	77.92	-262.62
222.56												
		133	0.61	0.61	-3.22	-0.38	-2.23	-1.68	350.11	-27.88	21.20	301.02
127.06												
		130	1.06	-4.17	-18.66	-4.60	-18.23	2.44	-126.89	-529.11	-134.49	-521.51 -54.77
57	63	131	2.69	2.45	-2.97	-1.87	1.35	2.18	1516.28	-109.62	116.33	1290.33
562.43												
		134	2.00	7.09	-2.61	-0.89	5.38	3.70	677.14	-616.02	-171.86	232.98
614.08												
		133	1.26	8.18	-2.01	-0.81	6.97	3.29	146.85	-663.07	-60.78	-455.44
353.63												
		130	1.95	1.50	-1.32	-1.05	1.23	-0.84	1255.58	219.73	265.62	1209.69
213.13												
57	64	131	0.96	0.51	-31.16	0.49	-31.14	-0.77	-33.46	-281.14	-38.48	-276.12 -34.91
		134	0.82	7.12	-6.69	5.46	-5.03	-4.49	17.13	-394.72	16.83	-394.42 -11.19
		133	0.20	-0.23	-2.50	-1.54	-1.19	-1.12	102.35	-21.21	-21.11	102.26 -3.46
		130	0.87	-6.98	-31.29	-8.11	-30.17	5.11	-76.23	-269.57	-83.87	-261.92 37.68
57	65	131	2.17	13.99	-2.16	-1.81	13.64	2.35	1140.92	-38.98	94.13	1007.81
373.29												
		134	1.60	9.91	-5.84	-2.98	7.04	6.07	596.10	-339.99	-110.91	367.02
402.45												
		133	0.81	7.04	-0.71	0.38	5.95	2.70	122.49	-394.81	-18.31	-254.01
230.24												
		130	1.66	14.34	1.44	2.49	13.28	-3.53	970.55	195.71	214.93	951.33
120.53												
57	66	131	1.37	0.57	-18.87	0.55	-18.85	-0.60	25.29	-644.61	-60.68	-558.64
224.05												
		134	0.93	3.98	-3.98	3.37	-3.37	-2.12	188.42	-371.01	77.79	-260.38
222.82												
		133	0.62	0.66	-3.23	-0.36	-2.21	-1.71	352.31	-27.26	21.36	303.69
126.85												
		130	1.06	-4.15	-18.53	-4.57	-18.11	2.42	-126.89	-527.96	-134.56	-520.29 -54.92
57	67	131	2.72	1.58	-3.00	-1.80	0.39	2.01	1539.30	-116.35	119.69	1303.27
578.86												
		134	2.03	6.61	-2.22	-0.66	5.06	3.36	704.22	-618.32	-174.51	260.42
624.49												
		133	1.30	7.87	-1.88	-0.79	6.78	3.07	145.73	-688.81	-64.43	-478.65
362.24												
		130	2.00	2.00	-2.87	-1.86	0.99	1.97	1269.23	219.70	268.83	1220.10
221.70												
57	68	131	0.96	0.43	-29.94	0.42	-29.93	-0.56	-31.89	-297.85	-42.70	-287.05 -52.50
		134	0.86	6.65	-6.13	5.18	-4.66	-4.08	20.32	-418.48	19.21	-417.37 -22.12
		133	0.24	-0.24	-2.23	-1.52	-0.96	-0.96	131.71	-18.06	-17.14	130.79 -11.66
		130	0.86	-7.01	-29.92	-7.24	-29.69	2.26	-82.78	-274.34	-87.22	-269.90 28.81
57	69	131	2.19	12.75	-2.05	-1.73	12.43	2.14	1162.33	-45.25	98.35	1018.74
390.88												
		134	1.63	9.33	-5.37	-2.71	6.67	5.66	622.28	-345.60	-113.28	389.97
413.38												
		133	0.84	6.73	-0.66	0.35	5.73	2.54	119.23	-424.05	-22.28	-282.55
238.44												
		130	1.69	12.85	1.58	1.62	12.81	-0.68	981.24	196.33	218.27	959.30
129.40												
57	70	131	1.40	0.50	-17.90	0.49	-17.89	-0.43	31.81	-667.42	-64.04	-571.58
240.48												
		134	0.97	3.62	-3.52	3.14	-3.04	-1.78	193.46	-400.85	80.43	-287.82
233.23												
		133	0.66	0.50	-2.90	-0.38	-2.02	-1.49	378.77	-26.86	25.01	326.90
135.46												
		130	1.08	-3.74	-17.89	-3.75	-17.88	-0.39	-127.77	-540.70	-137.77	-530.70 -63.49
57	71	131	2.72	1.47	-3.01	-1.80	0.26	1.99	1538.91	-116.53	120.12	1302.26
579.44												
		134	2.03	6.56	-2.17	-0.64	5.03	3.32	703.03	-619.23	-174.37	258.17
624.75												
		133	1.30	7.87	-1.92	-0.81	6.77	3.10	144.77	-690.67	-64.59	-481.31
362.04												

		130	2.00	1.91	-2.93	-1.89	0.87	1.99	1268.14	219.64	268.89	1218.88
221.85												
57	72	131	0.97	0.43	-30.07	0.42	-30.06	-0.58	-31.75	-298.57	-42.27	-288.05-51.92
		134	0.86	6.70	-6.17	5.21	-4.68	-4.12	20.43	-420.70	19.34	-419.61-21.86
		133	0.24	-0.29	-2.23	-1.54	-0.98	-0.93	129.09	-18.26	-17.30	128.13-11.86
		130	0.86	-7.04	-30.04	-7.26	-29.81	2.28	-82.70	-275.56	-87.15	-271.11 28.96
57	73	131	2.20	12.87	-2.05	-1.74	12.55	2.16	1162.79	-45.13	97.92	1019.74
390.30												
		134	1.63	9.38	-5.41	-2.73	6.69	5.70	623.73	-344.94	-113.42	392.21
413.12												
		133	0.84	6.73	-0.61	0.37	5.75	2.51	120.22	-422.22	-22.12	-279.88
238.64												
		130	1.69	12.97	1.61	1.65	12.93	-0.70	982.38	196.35	218.21	960.51
129.25												
57	74	131	1.39	0.49	-17.77	0.48	-17.76	-0.41	31.98	-667.02	-64.47	-570.57 -
241.06												
		134	0.97	3.58	-3.48	3.12	-3.02	-1.74	193.99	-399.26	80.30	-285.57 -
233.50												
		133	0.66	0.55	-2.91	-0.36	-2.00	-1.52	380.98	-26.25	25.17	329.56 -
135.26												
		130	1.08	-3.71	-17.77	-3.72	-17.76	-0.41	-127.75	-539.56	-137.83	-529.48-63.64
57	75	131	2.35	-1.00	-21.36	-1.05	-21.31	0.98	1181.42	-152.17	76.40	952.85
502.57												
		134	1.69	3.76	-0.42	3.27	0.08	-1.36	430.18	-699.39	-154.96	-114.26
564.42												
		133	1.15	5.43	-2.63	-2.06	4.86	2.08	119.17	-617.22	-82.77	-415.28
328.53												
		130	1.75	-5.82	-21.74	-6.73	-20.83	3.71	954.36	111.48	178.61	887.23
228.21												
57	76	131	1.73	-0.46	-29.37	-0.46	-29.37	0.24	742.67	-140.25	38.00	564.42
354.41												
		134	1.33	6.16	-3.83	4.84	-2.51	-3.39	228.22	-606.35	-108.16	-269.97
409.37												
		133	0.82	3.02	-2.43	-2.24	2.83	0.98	85.82	-435.61	-72.93	-276.86
239.95												
		130	1.29	-7.23	-29.87	-8.49	-28.61	5.18	590.71	23.57	91.95	522.32
184.68												
57	77	131	0.47	12.01	-0.99	-0.85	11.87	1.33	168.96	15.95	17.65	167.26-16.03
		134	0.50	7.12	-4.96	-2.36	4.52	4.97	244.00	12.65	14.08	242.57-18.11
		133	0.21	2.24	0.77	1.08	1.93	0.60	126.96	31.66	33.51	125.11-13.17
		130	0.47	13.01	1.59	2.87	11.73	-3.60	172.34	33.85	39.11	167.08-26.47
57	78	131	0.65	3.90	-0.35	-0.27	3.81	0.60	71.40	-313.30	-20.75	-221.16 -
164.19												
		134	0.60	3.81	-2.66	-0.79	1.94	2.94	247.52	-99.78	60.88	86.86 -
173.16												
		133	0.51	1.10	-0.30	0.89	-0.09	-0.50	303.35	3.53	43.35	263.53 -
101.75												
		130	0.38	5.08	-0.02	1.12	3.94	-2.13	-20.00	-225.38	-47.55	-197.83-70.00
57	79	131	2.37	-0.99	-21.62	-1.03	-21.58	0.93	1187.21	-154.06	77.34	955.81
506.78												
		134	1.70	3.87	-0.55	3.33	-0.01	-1.45	435.76	-699.37	-155.58	-108.04
567.07												
		133	1.16	5.36	-2.62	-2.06	4.81	2.03	118.60	-623.98	-83.71	-421.67
330.61												
		130	1.75	-5.67	-22.19	-6.94	-20.91	4.41	957.70	111.23	179.42	889.51
230.37												
57	80	131	1.71	-0.48	-29.10	-0.48	-29.10	0.29	736.74	-138.21	37.07	561.47
350.20												
		134	1.32	6.06	-3.70	4.78	-2.42	-3.29	223.51	-607.23	-107.53	-276.19
406.72												
		133	0.80	3.08	-2.44	-2.24	2.88	1.03	86.51	-428.97	-71.99	-270.47
237.87												
		130	1.29	-7.33	-29.47	-8.28	-28.52	4.48	587.20	23.98	91.14	520.04
182.52												
57	81	131	0.47	11.73	-0.97	-0.83	11.60	1.29	171.14	17.67	18.59	170.22-11.82
		134	0.51	6.99	-4.86	-2.30	4.43	4.87	249.81	12.45	13.46	248.79-15.46
		133	0.20	2.16	0.80	1.08	1.88	0.55	120.12	31.17	32.57	118.72-11.09
		130	0.46	12.50	1.81	2.66	11.64	-2.90	173.77	35.51	39.92	169.36-24.31
57	82	131	0.66	4.18	-0.38	-0.28	4.08	0.65	73.58	-319.38	-21.68	-224.12 -
168.40												
		134	0.60	3.94	-2.77	-0.85	2.02	3.03	247.14	-105.00	61.50	80.64 -
175.81												

		133	0.52	1.08	-0.22	0.90	-0.04	-0.45	310.43	3.79	44.30	269.92	-103.83
		130	0.38	5.81	-0.46	1.33	4.03	-2.83	-19.53	-228.94	-48.36	-200.11	-72.16
57	83	131	2.36	-1.00	-21.70	-1.04	-21.66	0.92	1180.59	-152.88	77.59	950.12	504.19
		134	1.70	3.88	-0.55	3.33	2.98e-03	-1.46	427.90	-702.94	-154.59	-120.46	565.16
		133	1.15	5.42	-2.74	-2.12	4.81	2.16	116.36	-622.22	-83.21	-422.64	327.98
		130	1.75	-5.88	-22.09	-6.81	-21.16	3.77	951.56	111.16	178.80	883.92	228.62
57	84	131	1.73	-0.45	-29.72	-0.45	-29.71	0.19	742.05	-141.16	39.19	561.70	356.03
		134	1.34	6.28	-3.96	4.90	-2.58	-3.50	226.68	-610.64	-107.79	-276.17	410.11
		133	0.82	3.00	-2.52	-2.30	2.78	1.07	82.79	-440.39	-73.37	-284.22	239.40
		130	1.28	-7.30	-30.21	-8.56	-28.94	5.24	588.09	23.06	92.14	519.01	185.09
57	85	131	0.48	12.36	-1.01	-0.86	12.21	1.39	171.99	14.46	16.46	169.99	-17.65
		134	0.51	7.25	-5.09	-2.43	4.59	5.08	250.27	12.21	13.71	248.77	-18.85
		133	0.23	2.22	0.89	1.14	1.98	0.51	134.06	32.36	33.96	132.47	-12.62
		130	0.48	13.35	1.66	2.95	12.06	-3.66	175.67	33.64	38.92	170.39	-26.88
57	86	131	0.65	4.25	-0.37	-0.28	4.16	0.65	72.55	-312.92	-21.94	-218.43	-165.81
		134	0.60	3.94	-2.78	-0.85	2.01	3.04	251.45	-97.88	60.51	93.06	-173.91
		133	0.52	1.22	-0.31	0.95	-0.04	-0.58	309.44	5.24	43.79	270.89	-101.20
		130	0.38	5.41	0.06	1.20	4.27	-2.19	-19.43	-222.83	-47.74	-194.52	-70.41
57	87	131	2.37	-0.98	-21.96	-1.02	-21.93	0.88	1186.39	-154.78	78.53	953.08	508.40
		134	1.71	3.99	-0.68	3.39	-0.08	-1.56	433.46	-702.90	-155.21	-114.24	567.81
		133	1.16	5.35	-2.72	-2.12	4.76	2.11	115.80	-628.99	-84.16	-429.04	330.06
		130	1.75	-5.74	-22.53	-7.02	-21.25	4.47	954.89	110.92	179.61	886.20	230.78
57	88	131	1.72	-0.47	-29.45	-0.47	-29.45	0.24	736.11	-139.11	38.26	558.74	351.82
		134	1.33	6.18	-3.83	4.84	-2.49	-3.40	222.00	-611.56	-107.16	-282.39	407.46
		133	0.81	3.06	-2.53	-2.30	2.83	1.11	83.46	-433.72	-72.43	-277.83	237.32
		130	1.29	-7.39	-29.82	-8.36	-28.86	4.54	584.58	23.49	91.33	516.74	182.93
57	89	131	0.48	12.08	-0.99	-0.85	11.94	1.34	174.10	16.24	17.40	172.95	-13.44
		134	0.52	7.12	-4.98	-2.36	4.50	4.98	256.07	12.01	13.09	254.99	-16.21
		133	0.22	2.15	0.92	1.14	1.93	0.47	127.26	31.83	33.01	126.08	-10.54
		130	0.47	12.84	1.87	2.74	11.97	-2.96	177.11	35.29	39.73	172.66	-24.72
57	90	131	0.67	4.53	-0.40	-0.30	4.43	0.70	74.74	-319.01	-22.87	-221.39	-170.02
		134	0.61	4.07	-2.89	-0.91	2.10	3.14	251.01	-103.04	61.14	86.84	-176.55
		133	0.53	1.19	-0.23	0.96	8.38e-03	-0.53	316.53	5.49	44.74	277.28	-103.28
		130	0.38	6.13	-0.36	1.41	4.36	-2.89	-18.94	-226.41	-48.55	-196.80	-72.57
57	91	131	2.34	1.09	-3.05	-1.66	-0.30	1.96	1329.56	-97.87	100.64	1131.06	493.91
		134	1.75	6.19	-2.09	-0.54	4.64	3.23	588.84	-546.94	-150.39	192.29	541.43
		133	1.10	7.20	-1.76	-0.75	6.19	2.83	133.55	-574.74	-53.55	-387.64	312.27
		130	1.71	-0.09	-1.59	-1.33	-0.35	-0.57	1102.26	189.53	230.89	1060.90	189.85
57	92	131	0.71	0.30	-27.17	0.29	-27.16	-0.48	-27.36	-163.69	-27.36	-163.69	0.05
		134	0.66	5.97	-5.23	4.71	-3.96	-3.55	7.42	-328.55	5.61	-326.74	24.59
		133	0.16	-0.05	-1.86	-1.36	-0.55	-0.81	76.74	-23.73	-20.76	73.77	17.01
		130	0.67	-6.23	-27.24	-7.17	-26.30	4.35	-40.55	-172.89	-57.98	-155.45	44.76
57	93	131	1.91	10.02	-1.97	-1.60	9.66	2.06	1017.83	-39.44	83.01	895.38	338.33
		134	1.41	8.44	-4.69	-2.23	5.97	5.12	517.26	-317.60	-99.68	299.34	

366.67												
		133	0.73	6.26	-0.75	0.19	5.32	2.39	111.79	-355.97	-18.66	-225.52
209.77												
		130	1.45	10.29	0.68	1.55	9.42	-2.77	863.93	169.97	189.04	844.85
113.45												
57	94	131	1.03	0.36	-17.21	0.35	-17.20	-0.38	13.59	-457.94	-44.98	-399.37
155.53												
		134	0.69	3.46	-3.08	3.02	-2.63	-1.65	122.26	-285.64	56.32	-219.69
150.17												
		133	0.46	0.43	-2.28	-0.42	-1.43	-1.25	265.02	-15.01	14.13	235.88 -85.50
		130	0.80	-3.92	-16.90	-4.29	-16.53	2.15	-96.20	-375.14	-99.83	-371.50 -31.64
57	95	131	2.34	1.01	-3.07	-1.66	-0.40	1.94	1329.24	-98.01	100.99	1130.24
494.39												
		134	1.75	6.15	-2.05	-0.52	4.62	3.20	587.88	-547.73	-150.28	190.43
541.65												
		133	1.10	7.20	-1.79	-0.77	6.18	2.86	132.73	-576.25	-53.68	-389.85
312.11												
		130	1.71	-0.19	-1.62	-1.35	-0.45	-0.56	1101.37	189.49	230.95	1059.91
189.97												
57	96	131	0.71	0.30	-27.27	0.29	-27.26	-0.50	-27.00	-164.51	-27.00	-164.51 0.54
		134	0.66	6.01	-5.27	4.72	-3.98	-3.58	7.55	-330.43	5.72	-328.60 24.81
		133	0.15	-0.09	-1.85	-1.38	-0.57	-0.78	74.53	-23.87	-20.89	71.56 16.85
		130	0.67	-6.25	-27.34	-7.19	-26.40	4.36	-40.55	-173.83	-57.93	-156.45 44.88
57	97	131	1.91	10.13	-1.98	-1.61	9.76	2.08	1018.20	-39.35	82.65	896.20
337.84												
		134	1.41	8.48	-4.73	-2.25	6.00	5.16	518.41	-317.00	-99.79	301.20
366.44												
		133	0.73	6.26	-0.71	0.21	5.33	2.36	112.65	-354.49	-18.53	-223.31
209.93												
		130	1.45	10.39	0.70	1.58	9.51	-2.78	864.85	169.98	188.98	845.85
113.33												
57	98	131	1.03	0.35	-17.11	0.34	-17.10	-0.36	13.70	-457.59	-45.34	-398.55
156.01												
		134	0.69	3.43	-3.04	3.00	-2.61	-1.62	122.64	-284.27	56.21	-217.83
150.39												
		133	0.46	0.47	-2.28	-0.40	-1.42	-1.28	266.91	-14.56	14.26	238.09 -85.33
		130	0.80	-3.90	-16.80	-4.26	-16.43	2.13	-96.21	-374.19	-99.89	-370.51 -31.76
57	99	131	2.36	0.41	-3.21	-1.60	-1.20	1.80	1348.24	-103.57	103.75	1140.92
507.95												
		134	1.78	5.75	-1.73	-0.33	4.35	2.92	610.09	-549.52	-152.47	213.04
550.25												
		133	1.13	6.95	-1.68	-0.75	6.02	2.68	131.76	-597.40	-56.69	-408.94
319.22												
		130	1.74	0.56	-3.23	-2.03	-0.64	1.77	1112.67	189.42	233.59	1068.49
197.06												
57	100	131	0.71	0.23	-26.26	0.23	-26.26	-0.33	-29.12	-174.91	-30.48	-173.55 -13.99
		134	0.69	5.62	-4.80	4.50	-3.67	-3.23	8.38	-348.19	7.68	-347.49 15.76
		133	0.18	-0.05	-1.68	-1.35	-0.38	-0.65	95.96	-18.50	-17.61	95.07 10.07
		130	0.65	-6.26	-26.21	-6.47	-26.01	2.01	-48.38	-175.35	-60.69	-163.05 37.56
57	101	131	1.93	9.10	-1.89	-1.55	8.76	1.90	1035.96	-44.60	86.13	905.24
352.37												
		134	1.43	8.00	-4.33	-2.02	5.69	4.81	539.84	-321.51	-101.76	320.09
375.49												
		133	0.76	6.00	-0.67	0.19	5.15	2.23	109.86	-378.49	-21.81	-246.82
216.71												
		130	1.47	9.15	0.83	0.85	9.12	-0.43	873.79	170.40	191.74	852.45
120.65												
57	102	131	1.04	0.29	-16.31	0.29	-16.30	-0.22	19.04	-476.37	-48.10	-409.23
169.57												
		134	0.72	3.14	-2.67	2.81	-2.34	-1.34	127.17	-309.21	58.40	-240.44
159.00												
		133	0.50	0.34	-2.01	-0.41	-1.26	-1.10	288.67	-14.21	17.28	257.19 -92.44
		130	0.82	-3.58	-16.24	-3.59	-16.24	-0.19	-97.18	-384.45	-102.54	-379.09 -38.85
57	103	131	2.36	0.34	-3.24	-1.60	-1.30	1.78	1347.93	-103.72	104.11	1140.10
508.44												
		134	1.78	5.71	-1.69	-0.32	4.33	2.88	609.12	-550.30	-152.36	211.18
550.47												
		133	1.14	6.95	-1.71	-0.77	6.01	2.70	130.95	-598.93	-56.83	-411.15
319.05												
		130	1.73	0.50	-3.30	-2.05	-0.74	1.78	1111.78	189.37	233.65	1067.50
197.18												
57	104	131	0.71	0.24	-26.37	0.23	-26.36	-0.34	-28.87	-175.62	-30.12	-174.37 -13.51

		134	0.69	5.66	-4.84	4.52	-3.70	-3.27	8.51	-350.06	7.80	-349.35	15.99
		133	0.18	-0.09	-1.68	-1.37	-0.40	-0.63	93.74	-18.62	-17.74	92.86	9.91
		130	0.65	-6.29	-26.31	-6.49	-26.11	2.02	-48.36	-176.31	-60.63	-164.04	37.68
57	105	131	1.93	9.20	-1.89	-1.55	8.86	1.92	1036.32	-44.49	85.77	906.06	
351.89													
		134	1.44	8.04	-4.37	-2.04	5.71	4.85	541.01	-320.93	-101.87	321.95	
375.27													
		133	0.75	6.00	-0.63	0.21	5.16	2.21	110.70	-376.99	-21.68	-244.62	
216.87													
		130	1.48	9.25	0.85	0.88	9.22	-0.44	874.71	170.42	191.69	853.44	
120.53													
57	106	131	1.04	0.29	-16.20	0.28	-16.20	-0.20	19.18	-476.05	-48.46	-408.41	-
170.06													
		134	0.72	3.10	-2.63	2.79	-2.32	-1.30	127.53	-307.82	58.29	-238.58	-
159.22													
		133	0.50	0.38	-2.02	-0.40	-1.24	-1.12	290.57	-13.76	17.41	259.40	-92.27
		130	0.82	-3.56	-16.15	-3.56	-16.14	-0.20	-97.19	-383.51	-102.59	-378.10	-38.97
58	1	130	0.21	-1.18	-3.35	-1.19	-3.34	0.15	16.40	-92.69	-8.40	-67.89	45.72
		133	0.15	0.06	-0.49	-0.45	0.01	0.15	68.33	-30.17	10.76	27.40	48.54
		129	0.26	0.86	0.43	0.80	0.49	0.15	110.32	-61.92	13.89	34.52	85.50
		1	0.29	0.20	-2.88	0.19	-2.87	0.15	57.85	-124.84	-5.27	-61.73	86.87
58	2	130	1.25	-7.05	-20.53	-7.08	-20.50	0.67	10.27	-590.56	-71.52	-508.76	
206.04													
		133	0.74	0.19	-2.72	-2.55	0.03	0.67	346.87	-136.02	62.21	148.64	
237.54													
		129	1.48	5.70	2.87	5.53	3.04	0.67	653.54	-337.06	112.94	203.54	
493.23													
		1	1.78	1.87	-17.55	1.85	-17.52	0.67	299.46	-776.68	-17.45	-459.77	
490.51													
58	3	130	0.14	-0.79	-2.25	-0.80	-2.24	0.10	12.92	-62.09	-5.27	-43.90	32.15
		133	0.10	0.04	-0.34	-0.31	9.68e-03	0.10	47.31	-21.21	7.30	18.79	33.78
		129	0.17	0.57	0.28	0.52	0.33	0.10	74.62	-42.44	8.81	23.36	58.08
		1	0.20	0.12	-1.94	0.12	-1.93	0.10	40.01	-83.80	-3.82	-39.97	59.21
58	4	130	1.19	-6.67	-19.43	-6.70	-19.40	0.63	6.94	-560.11	-68.39	-484.78	
192.46													
		133	0.69	0.18	-2.56	-2.41	0.03	0.63	325.84	-127.06	58.76	140.03	
222.77													
		129	1.40	5.42	2.72	5.26	2.88	0.63	617.84	-317.59	107.87	192.38	
465.80													
		1	1.69	1.80	-16.60	1.77	-16.58	0.63	281.67	-735.68	-16.00	-438.01	
462.85													
58	5	130	0.15	-0.86	-2.44	-0.87	-2.43	0.11	12.74	-67.29	-5.94	-48.60	33.86
		133	0.11	0.04	-0.36	-0.33	9.84e-03	0.11	50.28	-22.34	7.85	20.09	35.79
		129	0.19	0.62	0.31	0.57	0.36	0.11	80.41	-45.37	9.87	25.17	62.42
		1	0.21	0.14	-2.09	0.13	-2.09	0.11	42.54	-90.71	-3.95	-44.21	63.51
58	6	130	0.85	-4.77	-13.89	-4.79	-13.87	0.46	8.41	-398.96	-48.02	-342.52	
140.73													
		133	0.50	0.13	-1.84	-1.73	0.02	0.46	235.97	-92.90	42.15	100.91	
161.79													
		129	1.01	3.85	1.94	3.73	2.05	0.46	442.55	-228.80	75.90	137.84	
334.24													
		1	1.21	1.25	-11.87	1.24	-11.86	0.46	203.53	-525.18	-12.07	-309.58	
332.61													
58	7	130	0.15	-0.86	-2.44	-0.87	-2.43	0.11	12.74	-67.29	-5.94	-48.60	33.86
		133	0.11	0.04	-0.36	-0.33	9.84e-03	0.11	50.28	-22.34	7.85	20.09	35.79
		129	0.19	0.62	0.31	0.57	0.36	0.11	80.41	-45.37	9.87	25.17	62.42
		1	0.21	0.14	-2.09	0.13	-2.09	0.11	42.54	-90.71	-3.95	-44.21	63.51
58	8	130	0.64	-3.60	-10.45	-3.62	-10.43	0.35	9.38	-299.12	-35.40	-254.35	
108.67													
		133	0.39	0.11	-1.40	-1.31	0.02	0.35	180.26	-71.73	31.86	76.66	
123.99													
		129	0.76	2.88	1.45	2.78	1.55	0.35	333.90	-173.76	56.09	104.04	
252.70													
		1	0.91	0.92	-8.94	0.91	-8.92	0.35	155.12	-394.72	-9.63	-229.97	
251.88													
58	9	130	0.15	-0.86	-2.44	-0.87	-2.43	0.11	12.74	-67.29	-5.94	-48.60	33.86
		133	0.11	0.04	-0.36	-0.33	9.84e-03	0.11	50.28	-22.34	7.85	20.09	35.79
		129	0.19	0.62	0.31	0.57	0.36	0.11	80.41	-45.37	9.87	25.17	62.42
		1	0.21	0.14	-2.09	0.13	-2.09	0.11	42.54	-90.71	-3.95	-44.21	63.51
58	10	130	0.57	-3.21	-9.31	-3.22	-9.29	0.32	9.72	-265.86	-31.19	-224.95	97.98
		133	0.35	0.10	-1.25	-1.17	0.02	0.32	161.69	-64.68	28.43	68.58	
111.39													

		129	0.68	2.55	1.29	2.47	1.38	0.32	297.68	-155.42	49.49	92.77
225.51												
		1	0.81	0.81	-7.96	0.80	-7.95	0.32	138.98	-351.24	-8.82	-203.43
224.97												
58	11	130	1.67	-9.00	-30.77	-10.15	-29.62	-4.87	434.44	-658.09	42.30	-265.95
524.07												
		133	1.32	-0.92	-4.18	-3.78	-1.32	-1.07	512.22	-369.73	88.10	54.38
440.65												
		129	1.61	12.90	-1.04	8.36	3.50	6.53	434.21	-555.43	-135.39	14.17
489.13												
		1	2.15	4.08	-25.85	3.48	-25.25	4.20	406.64	-896.32	-206.02	-283.66
650.32												
58	12	130	1.56	-10.27	-43.72	-12.93	-41.07	-9.04	102.58	-681.45	-58.39	-520.47
316.70												
		133	0.94	-1.70	-5.78	-4.42	-3.07	-1.93	331.00	-275.01	43.31	12.68
302.62												
		129	1.92	21.17	-1.85	15.81	3.51	9.74	591.08	-544.74	-32.59	78.93
565.16												
		1	2.16	9.92	-34.86	9.57	-34.50	3.98	257.14	-876.88	-125.69	-494.05
536.26												
58	13	130	0.67	27.05	1.93	6.48	22.49	9.68	159.64	-93.07	-3.99	70.57	-
120.73												
		133	0.35	5.21	-0.03	2.07	3.10	2.57	166.23	-28.19	13.56	124.48	-79.84
		129	0.61	4.59	-16.22	-10.87	-0.76	-9.10	233.91	4.28	131.57	106.62	-
114.13												
		1	0.55	19.02	-8.39	-7.97	18.61	-3.34	184.56	10.66	108.04	87.19	-86.32
58	14	130	1.18	13.99	0.76	3.71	11.04	5.50	186.17	-474.81	-104.68	-183.96	-
328.11												
		133	0.70	3.10	-0.31	1.44	1.36	1.71	250.98	-199.43	-31.24	82.78	-
217.87												
		129	0.42	3.96	-8.13	-3.42	-0.74	-5.89	252.31	153.44	234.37	171.38	-38.10
		1	0.78	10.39	-2.92	-1.89	9.35	-3.56	286.41	-221.23	188.38	-123.20	-
200.38												
58	15	130	1.68	-9.00	-31.16	-10.19	-29.96	-5.01	434.71	-664.05	41.97	-271.31	
526.57												
		133	1.33	-0.96	-4.18	-3.74	-1.40	-1.10	516.28	-371.81	88.76	55.70	
443.74												
		129	1.59	13.06	-1.25	8.63	3.18	6.62	429.27	-549.78	-132.58	12.08	
484.15												
		1	2.17	4.29	-26.10	3.69	-25.49	4.24	410.11	-903.63	-205.39	-288.12	
655.57												
58	16	130	1.55	-10.29	-43.34	-12.88	-40.74	-8.89	101.93	-675.10	-58.06	-515.11	
314.19												
		133	0.93	-1.69	-5.76	-4.45	-2.99	-1.90	326.94	-272.94	42.65	11.36	
299.53												
		129	1.93	20.96	-1.60	15.54	3.82	9.65	595.92	-550.30	-35.39	81.02	
570.15												
		1	2.14	9.71	-34.62	9.36	-34.26	3.95	253.27	-869.18	-126.32	-489.59	
531.02												
58	17	130	0.66	26.65	1.94	6.44	22.16	9.53	153.68	-92.79	-4.32	65.21	-
118.23												
		133	0.34	5.15	-0.01	2.11	3.03	2.54	164.90	-24.88	14.22	125.81	-76.75
		129	0.62	4.35	-16.03	-10.60	-1.07	-9.01	239.50	-0.60	134.37	104.53	-
119.12												
		1	0.53	18.78	-8.18	-7.77	18.37	-3.31	177.81	13.59	108.68	82.72	-81.08
58	18	130	1.19	14.38	0.75	3.75	11.38	5.65	191.21	-474.16	-104.35	-178.60	-
330.61												
		133	0.71	3.15	-0.32	1.40	1.43	1.74	252.89	-203.33	-31.89	81.46	-
220.96												
		129	0.41	4.14	-8.26	-3.69	-0.43	-5.98	246.57	158.46	231.56	173.47	-33.12
		1	0.78	10.62	-3.11	-2.09	9.60	-3.60	290.95	-221.95	187.74	-118.74	-
205.63												
58	19	130	1.68	-9.09	-31.40	-10.30	-30.19	-5.05	433.42	-664.02	42.54	-273.14	
525.53												
		133	1.32	-0.99	-4.25	-3.83	-1.42	-1.10	512.03	-370.41	88.86	52.77	
440.85												
		129	1.62	13.27	-1.11	8.68	3.47	6.70	432.58	-560.48	-140.21	12.30	
490.64												
		1	2.16	4.34	-26.32	3.74	-25.71	4.27	403.79	-904.60	-210.23	-290.58	
652.96												
58	20	130	1.58	-10.36	-44.36	-13.07	-41.64	-9.22	102.48	-688.30	-58.15	-527.67	
318.15												

		133	0.94	-1.75	-5.87	-4.46	-3.16	-1.96	330.83	-275.71	44.06	11.06	
302.82													
		129	1.93	21.56	-1.94	16.13	3.48	9.90	589.38	-549.73	-37.41	77.06	
566.67													
		1	2.18	10.19	-35.33	9.82	-34.96	4.05	254.52	-885.38	-129.89	-500.97	
538.90													
58	21	130	0.67	27.68	2.01	6.63	23.06	9.86	165.64	-92.12	-4.23	77.76	-
122.19													
		133	0.35	5.31	5.77e-03	2.12	3.19	2.60	167.51	-28.60	12.81	126.10	-80.04
		129	0.62	4.67	-16.61	-11.20	-0.73	-9.26	238.92	5.96	136.39	108.48	-
115.64													
		1	0.57	19.49	-8.65	-8.23	19.07	-3.41	192.60	13.75	112.25	94.10	-88.96
58	22	130	1.19	14.61	0.85	3.86	11.61	5.68	190.67	-472.36	-104.93	-176.77	-
329.56													
		133	0.70	3.20	-0.27	1.48	1.45	1.73	251.91	-199.50	-31.99	84.39	-
218.07													
		129	0.42	4.01	-8.48	-3.75	-0.72	-6.06	257.75	154.68	239.19	173.25	-39.61
		1	0.78	10.83	-3.16	-2.14	9.81	-3.64	293.24	-216.94	192.59	-116.29	-
203.03													
58	23	130	1.69	-9.09	-31.78	-10.34	-30.52	-5.19	433.70	-669.99	42.21	-278.50	
528.03													
		133	1.33	-1.03	-4.25	-3.79	-1.49	-1.13	516.09	-372.49	89.51	54.09	
443.94													
		129	1.60	13.44	-1.33	8.95	3.16	6.79	427.64	-554.83	-137.40	10.21	
485.66													
		1	2.18	4.55	-26.56	3.94	-25.95	4.31	407.28	-911.91	-209.60	-295.04	
658.21													
58	24	130	1.57	-10.37	-43.97	-13.03	-41.31	-9.07	101.82	-681.95	-57.82	-522.31	
315.65													
		133	0.93	-1.74	-5.85	-4.50	-3.09	-1.93	326.78	-273.63	43.40	9.74	
299.73													
		129	1.94	21.35	-1.69	15.87	3.80	9.81	594.23	-555.29	-40.21	79.15	
571.65													
		1	2.16	9.98	-35.08	9.62	-34.72	4.02	250.64	-877.68	-130.53	-496.50	
533.66													
58	25	130	0.66	27.28	2.03	6.59	22.72	9.71	159.64	-91.80	-4.56	72.40	-
119.69													
		133	0.34	5.25	0.03	2.16	3.12	2.57	166.19	-25.31	13.46	127.42	-76.95
		129	0.63	4.43	-16.41	-10.93	-1.04	-9.17	244.53	1.06	139.19	106.40	-
120.62													
		1	0.55	19.24	-8.44	-8.03	18.82	-3.38	185.79	16.74	112.89	89.64	-83.72
58	26	130	1.20	15.00	0.84	3.90	11.94	5.83	195.74	-471.74	-104.60	-171.41	-
332.06													
		133	0.71	3.25	-0.28	1.45	1.52	1.76	253.81	-203.39	-32.65	83.07	-
221.16													
		129	0.41	4.20	-8.62	-4.02	-0.41	-6.15	252.02	159.70	236.38	175.34	-34.63
		1	0.79	11.06	-3.35	-2.35	10.06	-3.67	297.83	-217.71	191.95	-111.82	-
208.27													
58	27	130	1.73	5.76	-4.88	-1.10	1.97	5.09	686.51	-394.16	143.57	148.77	
540.33													
		133	1.27	2.66	-1.39	-0.99	2.26	1.21	540.50	-298.65	114.28	127.57	
419.52													
		129	0.64	2.72	-7.80	-7.06	1.99	-2.67	105.15	-296.06	-161.88	-29.04	
189.29													
		1	1.66	1.27	-8.00	-7.63	0.90	1.82	494.96	-593.20	-189.83	91.59	
525.57													
58	28	130	1.73	-7.62	-38.91	-10.34	-36.19	-8.82	-150.58	-741.12	-192.06	-699.64	-
150.92													
		133	0.19	-1.66	-5.01	-3.11	-3.55	-1.66	19.03	-65.52	-35.04	-11.44	-40.60
		129	1.60	21.12	-1.31	17.77	2.04	8.00	626.54	-258.92	180.77	186.85	
442.72													
		1	1.77	12.69	-29.98	12.66	-29.95	1.08	107.43	-639.18	77.96	-609.71	
145.36													
58	29	130	1.42	22.43	-0.93	3.89	17.61	9.46	541.75	-162.34	129.68	249.73	
346.89													
		133	0.87	4.87	-0.52	0.77	3.59	2.30	385.16	-144.64	91.91	148.60	
263.38													
		129	0.40	3.94	-16.07	-12.83	0.71	-7.36	-0.45	-82.64	-81.79	-1.30	8.31
		1	1.18	14.06	-11.07	-11.07	14.06	-0.44	392.79	-285.55	-95.61	202.85	
304.58													
58	30	130	1.63	-4.14	-21.76	-5.35	-20.55	-4.46	-5.90	-798.73	-205.95	-598.68	-
344.36													

		133	0.59	-1.07	-2.51	-1.35	-2.23	-0.57	175.66	-223.48	-57.41	9.59	-
196.74													
		129	1.01	12.91	-0.14	12.00	0.76	3.31	500.48	-25.04	260.86	214.58	
261.74													
		1	1.41	9.28	-16.85	9.22	-16.79	-1.18	180.61	-506.88	172.18	-498.46	-75.63
58	31	130	1.73	5.58	-4.92	-1.14	1.80	5.04	685.90	-395.64	143.64	146.62	
540.76													
		133	1.27	2.63	-1.40	-1.00	2.23	1.20	540.43	-298.84	114.50	127.09	
419.58													
		129	0.64	2.69	-7.68	-6.97	1.98	-2.62	104.72	-297.64	-163.32	-29.60	
189.74													
		1	1.66	1.15	-7.94	-7.55	0.76	1.84	493.95	-595.53	-191.09	89.52	
526.36													
58	32	130	1.73	-7.64	-39.10	-10.39	-36.36	-8.87	-150.89	-742.90	-191.99	-701.79	-
150.49													
		133	0.19	-1.67	-5.04	-3.12	-3.58	-1.67	18.75	-65.49	-34.82	-11.93	-40.54
		129	1.60	21.24	-1.34	17.87	2.03	8.05	625.99	-260.38	179.33	186.29	
443.17													
		1	1.78	12.77	-30.12	12.74	-30.09	1.10	106.44	-641.53	76.70	-611.79	
146.16													
58	33	130	1.42	22.62	-0.90	3.94	17.78	9.51	542.55	-161.06	129.61	251.89	
346.45													
		133	0.87	4.91	-0.51	0.78	3.61	2.31	385.26	-144.49	91.69	149.09	
263.32													
		129	0.40	3.97	-16.18	-12.93	0.72	-7.41	0.03	-81.11	-80.35	-0.74	7.86
		1	1.18	14.20	-11.15	-11.14	14.19	-0.46	393.92	-283.35	-94.35	204.92	
303.78													
58	34	130	1.63	-4.12	-21.57	-5.31	-20.38	-4.40	-5.03	-797.52	-206.02	-596.52	-
344.80													
		133	0.59	-1.06	-2.48	-1.34	-2.20	-0.56	175.91	-223.47	-57.63	10.07	-
196.80													
		129	1.01	12.79	-0.11	11.90	0.77	3.26	501.07	-23.62	262.30	215.15	
261.29													
		1	1.40	9.20	-16.71	9.15	-16.66	-1.20	182.06	-504.99	173.45	-496.38	-76.42
58	35	130	1.73	4.54	-4.91	-1.24	0.86	4.60	685.38	-412.01	142.47	130.91	
548.67													
		133	1.29	2.39	-1.24	-0.87	2.02	1.11	554.10	-305.65	116.47	131.98	
429.81													
		129	0.58	1.67	-6.89	-6.17	0.95	-2.38	87.98	-276.52	-152.54	-35.99	
172.68													
		1	1.70	0.58	-7.44	-6.94	0.09	1.93	503.41	-614.40	-187.70	76.71	
543.05													
58	36	130	1.69	-7.67	-37.61	-10.20	-35.08	-8.33	-143.82	-728.92	-190.96	-681.77	-
159.26													
		133	0.22	-1.71	-4.83	-3.23	-3.31	-1.56	25.45	-78.54	-37.24	-15.85	-50.88
		129	1.63	20.31	-0.36	16.87	3.08	7.70	642.08	-276.84	171.43	193.80	
459.33													
		1	1.71	12.00	-29.16	11.97	-29.14	0.97	99.40	-618.39	75.84	-594.83	
127.89													
58	37	130	1.41	21.13	-0.87	3.75	16.50	8.97	539.18	-178.74	128.58	231.86	
355.22													
		133	0.90	4.64	-0.40	0.89	3.34	2.20	398.80	-151.68	94.10	153.01	
273.66													
		129	0.39	3.01	-15.27	-11.93	-0.33	-7.06	-7.20	-73.51	-72.45	-8.26	-8.30
		1	1.19	13.25	-10.38	-10.38	13.24	-0.33	398.70	-304.22	-93.48	187.97	
322.05													
58	38	130	1.61	-4.18	-20.47	-5.21	-19.44	-3.96	6.83	-792.50	-204.85	-580.81	-
352.70													
		133	0.62	-1.19	-2.27	-1.48	-1.98	-0.47	182.34	-236.75	-59.60	5.18	-
207.03													
		129	1.04	11.99	0.91	11.10	1.80	3.01	515.28	-42.22	251.52	221.54	
278.35													
		1	1.37	8.60	-16.05	8.54	-15.98	-1.29	183.06	-496.58	170.06	-483.58	-93.11
58	39	130	1.73	4.36	-4.95	-1.28	0.69	4.55	684.79	-413.50	142.54	128.75	
549.10													
		133	1.29	2.36	-1.25	-0.88	1.99	1.10	554.03	-305.84	116.69	131.50	
429.87													
		129	0.58	1.64	-6.77	-6.07	0.94	-2.33	87.55	-278.09	-153.99	-36.55	
173.13													
		1	1.70	0.47	-7.39	-6.87	-0.05	1.95	502.42	-616.75	-188.97	74.64	
543.84													
58	40	130	1.69	-7.69	-37.80	-10.24	-35.25	-8.38	-144.16	-730.66	-190.89	-683.93	-

158.82												
		133	0.22	-1.72	-4.86	-3.25	-3.34	-1.57	25.19	-78.53	-37.01	-16.33-50.82
		129	1.63	20.43	-0.39	16.97	3.07	7.75	641.54	-278.31	169.99	193.24
459.78												
		1	1.72	12.07	-29.30	12.05	-29.28	0.99	98.39	-620.72	74.58	-596.91
128.68												
58	41	130	1.41	21.31	-0.85	3.80	16.67	9.02	539.95	-177.42	128.51	234.02
354.79												
		133	0.90	4.67	-0.39	0.90	3.37	2.21	398.91	-151.53	93.88	153.50
273.60												
		129	0.39	3.04	-15.39	-12.03	-0.32	-7.11	-6.51	-72.20	-71.01	-7.70 -8.75
		1	1.19	13.39	-10.46	-10.46	13.38	-0.36	399.80	-301.98	-92.22	190.04
321.26												
58	42	130	1.60	-4.15	-20.29	-5.17	-19.27	-3.91	7.74	-791.32	-204.93	-578.66 -
353.14												
		133	0.62	-1.18	-2.23	-1.46	-1.96	-0.46	182.58	-236.74	-59.83	5.67 -
207.09												
		129	1.04	11.88	0.94	11.00	1.81	2.96	515.86	-40.79	252.97	222.10
277.90												
		1	1.37	8.53	-15.91	8.46	-15.84	-1.31	184.56	-494.74	171.32	-481.50-93.90
58	43	130	1.40	-7.89	-26.23	-8.71	-25.41	-3.79	340.81	-571.90	26.69	-257.78
433.62												
		133	1.10	-0.80	-3.48	-3.24	-1.05	-0.78	437.20	-304.96	75.55	56.70
370.96												
		129	1.41	10.72	-0.54	7.13	3.04	5.24	406.18	-470.21	-94.99	30.95
433.65												
		1	1.86	3.37	-22.12	2.92	-21.66	3.38	347.43	-777.69	-163.03	-267.23
560.15												
58	44	130	1.35	-8.92	-36.39	-10.89	-34.42	-7.08	81.76	-593.77	-52.89	-459.13
269.86												
		133	0.81	-1.48	-4.67	-3.73	-2.42	-1.46	294.42	-229.53	40.21	24.68
261.86												
		129	1.66	17.26	-1.18	13.02	3.06	7.76	529.22	-461.99	-14.05	81.27
493.31												
		1	1.87	8.01	-29.22	7.73	-28.95	3.20	232.26	-765.93	-100.08	-433.59
470.42												
58	45	130	0.49	19.74	0.55	4.44	15.84	7.72	74.35	-74.62	-9.50	9.22-73.90
		133	0.23	4.08	-0.24	1.39	2.46	2.09	126.40	2.74	16.66	112.49-39.08
		129	0.36	3.92	-12.31	-8.09	-0.31	-7.12	151.15	66.15	113.03	104.27-42.28
		1	0.36	13.39	-6.48	-6.14	13.05	-2.56	89.15	20.01	82.43	26.72-20.48
58	46	130	0.90	9.52	-0.43	2.27	6.83	4.43	102.58	-383.78	-89.07	-192.13 -
237.66												
		133	0.49	2.41	-0.43	0.89	1.08	1.42	187.15	-125.36	-18.68	80.47 -
148.18												
		129	0.37	3.46	-5.95	-2.20	-0.29	-4.61	200.54	148.02	193.97	154.59 17.38
		1	0.57	6.70	-2.26	-1.33	5.77	-2.74	183.03	-177.28	145.39	-139.64 -
110.21												
58	47	130	1.41	-7.89	-26.53	-8.75	-25.68	-3.91	341.11	-576.72	26.44	-262.05
435.65												
		133	1.11	-0.84	-3.48	-3.21	-1.11	-0.80	440.50	-306.57	76.09	57.85
373.42												
		129	1.40	10.86	-0.71	7.35	2.80	5.32	402.21	-465.80	-92.79	29.20
429.70												
		1	1.88	3.54	-22.32	3.08	-21.86	3.40	350.26	-783.60	-162.55	-270.79
564.34												
58	48	130	1.34	-8.93	-36.08	-10.85	-34.15	-6.96	81.18	-588.68	-52.64	-454.86
267.83												
		133	0.80	-1.47	-4.65	-3.76	-2.37	-1.43	291.13	-227.93	39.67	23.53
259.40												
		129	1.67	17.09	-0.99	12.81	3.30	7.69	533.11	-466.34	-16.25	83.03
497.25												
		1	1.86	7.84	-29.02	7.57	-28.75	3.18	229.18	-759.76	-100.56	-430.03
466.22												
58	49	130	0.48	19.42	0.56	4.41	15.57	7.60	69.85	-74.64	-9.74	4.95-71.87
		133	0.22	4.03	-0.22	1.42	2.40	2.07	125.97	4.87	17.20	113.64-36.62
		129	0.37	3.73	-12.15	-7.87	-0.55	-7.05	155.54	62.22	115.23	102.52-46.22
		1	0.36	13.19	-6.31	-5.97	12.85	-2.54	87.06	19.01	82.91	23.16-16.28
58	50	130	0.90	9.84	-0.44	2.30	7.10	4.55	106.41	-383.09	-88.82	-187.86 -
239.69												
		133	0.50	2.45	-0.44	0.87	1.14	1.44	188.54	-128.44	-19.22	79.32 -
150.64												
		129	0.38	3.59	-6.06	-2.41	-0.05	-4.68	201.78	146.33	191.77	156.34 21.33

		1	0.57	6.88	-2.40	-1.49	5.97	-2.76	185.59	-176.76	144.91	-136.08	-114.40
58	51	130	1.41	-7.96	-26.71	-8.83	-25.85	-3.93	339.18	-576.03	26.73	-263.57	433.97
		133	1.10	-0.86	-3.53	-3.27	-1.12	-0.80	436.46	-305.02	76.08	55.36	370.60
		129	1.41	11.01	-0.59	7.39	3.02	5.37	404.68	-473.44	-98.25	29.49	434.39
		1	1.87	3.58	-22.48	3.12	-22.02	3.43	344.82	-783.34	-165.78	-272.74	561.54
58	52	130	1.37	-8.99	-36.88	-11.00	-34.86	-7.23	80.92	-598.69	-52.84	-464.92	270.21
		133	0.81	-1.52	-4.74	-3.76	-2.50	-1.48	293.68	-229.60	40.74	23.34	261.49
		129	1.66	17.57	-1.25	13.28	3.04	7.89	527.68	-465.18	-17.31	79.81	494.05
		1	1.89	8.22	-29.58	7.93	-29.30	3.25	229.90	-771.84	-102.83	-439.10	471.81
58	53	130	0.49	20.23	0.61	4.56	16.28	7.86	77.99	-72.52	-9.54	15.01	-74.25
		133	0.23	4.16	-0.21	1.42	2.53	2.12	127.30	2.64	16.12	113.82	-38.71
		129	0.37	3.98	-12.61	-8.35	-0.29	-7.25	154.36	67.67	116.29	105.74	-43.02
		1	0.36	13.75	-6.68	-6.34	13.41	-2.61	93.05	24.37	85.18	32.24	-21.87
58	54	130	0.90	10.00	-0.36	2.38	7.27	4.57	105.20	-380.65	-89.11	-186.34	-238.01
		133	0.49	2.48	-0.40	0.93	1.15	1.44	187.50	-124.91	-19.21	81.80	-147.82
		129	0.38	3.50	-6.22	-2.46	-0.27	-4.73	203.11	150.18	197.23	156.06	16.64
		1	0.57	7.03	-2.44	-1.53	6.12	-2.79	186.93	-172.92	148.14	-134.13	-111.60
58	55	130	1.41	-7.96	-27.02	-8.86	-26.12	-4.05	339.49	-580.85	26.49	-267.85	436.00
		133	1.11	-0.89	-3.53	-3.24	-1.18	-0.82	439.76	-306.62	76.62	56.51	373.05
		129	1.40	11.15	-0.76	7.61	2.78	5.44	400.72	-469.03	-96.04	27.73	430.44
		1	1.89	3.75	-22.68	3.29	-22.22	3.45	347.64	-789.25	-165.30	-276.30	565.73
58	56	130	1.36	-8.99	-36.57	-10.97	-34.59	-7.11	80.35	-593.60	-52.60	-460.65	268.19
		133	0.80	-1.51	-4.72	-3.79	-2.44	-1.45	290.39	-228.00	40.20	22.19	259.04
		129	1.67	17.39	-1.05	13.07	3.28	7.82	531.58	-469.53	-19.51	81.56	498.00
		1	1.87	8.05	-29.38	7.77	-29.10	3.23	226.82	-765.66	-103.31	-435.54	467.61
58	57	130	0.48	19.91	0.62	4.52	16.01	7.75	73.42	-72.47	-9.78	10.74	-72.22
		133	0.22	4.11	-0.19	1.45	2.47	2.09	126.90	4.74	16.66	114.97	-36.26
		129	0.37	3.80	-12.45	-8.13	-0.53	-7.18	158.77	63.71	118.49	103.99	-46.97
		1	0.36	13.55	-6.52	-6.18	13.21	-2.59	90.70	23.64	85.66	28.67	-17.67
58	58	130	0.91	10.32	-0.36	2.42	7.54	4.69	109.05	-379.98	-88.87	-182.06	-240.04
		133	0.50	2.52	-0.41	0.90	1.21	1.46	188.89	-127.99	-19.75	80.65	-150.27
		129	0.38	3.63	-6.34	-2.67	-0.03	-4.81	204.17	148.67	195.02	157.81	20.58
		1	0.58	7.21	-2.58	-1.69	6.32	-2.81	189.54	-172.45	147.66	-130.57	-115.79
58	59	130	1.41	3.11	-5.13	-1.57	-0.45	4.09	536.13	-358.70	106.85	70.58	447.05
		133	1.07	2.11	-1.37	-1.04	1.78	1.02	459.71	-249.97	96.16	113.58	354.73
		129	0.64	2.40	-5.61	-5.06	1.85	-2.02	146.25	-264.96	-116.61	-2.09	197.47
		1	1.42	-0.59	-6.29	-5.87	-1.01	1.50	409.93	-530.74	-150.57	29.75	461.61
58	60	130	1.44	-6.81	-32.51	-8.82	-30.51	-6.90	-137.30	-621.67	-158.38	-600.59	-98.83
		133	0.09	-1.50	-3.99	-2.69	-2.80	-1.24	9.42	-24.20	-21.63	6.84	-8.94
		129	1.40	17.22	-0.74	14.57	1.91	6.37	555.80	-236.97	153.19	165.64	396.33
		1	1.53	10.20	-25.32	10.18	-25.30	0.92	101.45	-566.97	59.28	-524.80	162.51
58	61	130	1.14	16.07	-1.77	2.38	11.92	7.54	419.40	-172.72	96.00	150.68	294.79

		133	0.76	3.85	-0.67	0.34	2.84	1.88	337.57	-128.76	78.50	130.32	
231.72													
		129	0.33	3.37	-12.16	-9.63	0.84	-5.73	48.91	-83.22	-54.21	19.90	54.70
		1	0.98	9.40	-8.59	-8.58	9.40	-0.28	323.99	-282.99	-76.93	117.93	
287.43													
58	62	130	1.32	-4.03	-18.97	-4.88	-18.13	-3.45	-38.45	-651.27	-169.24	-520.49	-
251.08													
		133	0.40	-1.08	-1.97	-1.30	-1.75	-0.38	127.79	-143.50	-39.30	23.58	-
131.95													
		129	0.93	10.72	0.18	10.00	0.90	2.66	455.56	-52.32	215.60	187.64	
253.56													
		1	1.19	7.49	-14.91	7.46	-14.88	-0.86	133.16	-436.85	132.92	-436.61	-11.67
58	63	130	1.41	2.98	-5.17	-1.60	-0.58	4.04	535.41	-359.70	106.87	68.84	
447.15													
		133	1.07	2.09	-1.38	-1.05	1.76	1.01	459.48	-249.97	96.33	113.18	
354.62													
		129	0.64	2.37	-5.52	-4.98	1.84	-1.98	145.84	-265.96	-117.59	-2.53	
197.70													
		1	1.42	-0.67	-6.25	-5.81	-1.12	1.51	409.02	-532.31	-151.39	28.10	
462.03													
58	64	130	1.44	-6.83	-32.66	-8.86	-30.64	-6.94	-137.41	-623.29	-158.37	-602.33	-98.72
		133	0.09	-1.51	-4.01	-2.69	-2.82	-1.25	9.12	-24.15	-21.47	6.44	-9.05
		129	1.40	17.31	-0.76	14.64	1.90	6.41	555.32	-237.90	152.21	165.20	
396.56													
		1	1.54	10.26	-25.43	10.24	-25.40	0.94	100.78	-568.78	58.46	-526.45	
162.93													
58	65	130	1.14	16.22	-1.75	2.41	12.06	7.58	420.24	-171.83	95.99	152.42	
294.69													
		133	0.76	3.87	-0.66	0.35	2.86	1.89	337.83	-128.78	78.34	130.72	
231.83													
		129	0.33	3.39	-12.25	-9.71	0.85	-5.77	49.29	-82.18	-53.23	20.34	54.47
		1	0.99	9.51	-8.65	-8.65	9.51	-0.30	324.97	-281.48	-76.10	119.59	
287.01													
58	66	130	1.32	-4.01	-18.83	-4.84	-18.00	-3.40	-38.00	-649.99	-169.25	-518.75	-
251.19													
		133	0.40	-1.07	-1.94	-1.29	-1.73	-0.37	127.87	-143.34	-39.46	23.98	-
131.84													
		129	0.93	10.63	0.20	9.92	0.91	2.62	456.06	-51.41	216.57	188.08	
253.33													
		1	1.18	7.43	-14.81	7.40	-14.77	-0.88	134.00	-435.22	133.75	-434.96	-12.09
58	67	130	1.42	2.17	-5.21	-1.69	-1.35	3.69	535.68	-373.30	106.04	56.34	
453.81													
		133	1.09	1.90	-1.26	-0.95	1.59	0.94	470.75	-255.37	97.96	117.41	
362.93													
		129	0.59	1.58	-4.88	-4.34	1.05	-1.78	132.55	-249.75	-109.27	-7.93	
184.31													
		1	1.46	-1.08	-5.91	-5.32	-1.68	1.59	417.31	-548.40	-148.97	17.87	
475.60													
58	68	130	1.40	-6.85	-31.46	-8.71	-29.60	-6.50	-132.98	-610.94	-157.57	-586.35	-
105.59													
		133	0.11	-1.53	-3.86	-2.78	-2.61	-1.16	11.43	-31.85	-23.43	3.01	-17.13
		129	1.42	16.56	-4.42e-03	13.85	2.71	6.13	568.36	-251.03	145.85	171.48	
409.50													
		1	1.48	9.65	-24.65	9.63	-24.63	0.83	94.03	-549.27	57.68	-512.92	
148.53													
58	69	130	1.13	15.02	-1.74	2.26	11.02	7.14	418.07	-186.44	95.19	136.44	
301.55													
		133	0.78	3.65	-0.57	0.44	2.64	1.80	348.64	-134.20	80.30	134.15	
239.91													
		129	0.29	2.65	-11.52	-8.91	0.04	-5.49	35.11	-67.91	-46.87	14.06	41.53
		1	1.00	8.74	-8.04	-8.04	8.74	-0.20	330.12	-299.39	-75.33	106.06	
301.41													
58	70	130	1.30	-4.05	-17.94	-4.76	-17.23	-3.05	-29.09	-645.58	-168.42	-506.25	-
257.84													
		133	0.42	-1.16	-1.79	-1.40	-1.56	-0.30	132.74	-154.08	-41.10	19.75	-
140.15													
		129	0.95	9.99	1.00	9.28	1.70	2.42	467.69	-65.96	208.25	193.48	
266.72													
		1	1.15	6.95	-14.26	6.91	-14.22	-0.95	132.50	-425.92	131.32	-424.74	-25.66
58	71	130	1.42	2.05	-5.25	-1.72	-1.48	3.65	534.97	-374.31	106.06	54.60	
453.91													
		133	1.09	1.88	-1.26	-0.96	1.57	0.93	470.51	-255.37	98.12	117.01	

362.82												
		129	0.59	1.56	-4.79	-4.26	1.04	-1.74	132.13	-250.75	-110.25	-8.37
184.53												
		1	1.46	-1.16	-5.88	-5.26	-1.78	1.60	416.41	-549.98	-149.79	16.22
476.01												
58	72	130	1.41	-6.87	-31.61	-8.74	-29.74	-6.55	-133.10	-612.54	-157.56	-588.08
105.48												
		133	0.11	-1.54	-3.88	-2.79	-2.63	-1.17	11.23	-31.89	-23.27	2.61
		129	1.42	16.65	-0.03	13.92	2.70	6.17	567.89	-251.97	144.87	171.04
409.72												
		1	1.49	9.71	-24.76	9.69	-24.74	0.85	93.35	-551.07	56.86	-514.58
148.95												
58	73	130	1.14	15.17	-1.72	2.29	11.15	7.19	418.88	-185.54	95.17	138.17
301.44												
		133	0.78	3.68	-0.56	0.45	2.66	1.81	348.90	-134.22	80.14	134.55
240.02												
		129	0.29	2.67	-11.61	-8.99	0.05	-5.53	35.48	-66.86	-45.89	14.51
		1	1.00	8.85	-8.10	-8.10	8.84	-0.21	331.08	-297.87	-74.50	107.71
300.99												
58	74	130	1.30	-4.03	-17.79	-4.72	-17.10	-3.01	-28.62	-644.32	-168.44	-504.51
257.95												
		133	0.42	-1.16	-1.77	-1.39	-1.54	-0.30	132.81	-153.92	-41.26	20.15
140.04												
		129	0.95	9.89	1.02	9.20	1.71	2.38	468.18	-65.03	209.23	193.92
266.50												
		1	1.15	6.89	-14.16	6.85	-14.11	-0.96	133.37	-424.31	132.15	-423.08
58	75	130	1.25	-7.15	-23.23	-7.76	-22.61	-3.08	281.47	-516.81	16.69	-252.03
375.85												
		133	0.97	-0.70	-3.04	-2.88	-0.86	-0.59	389.38	-263.16	67.40	58.82
326.25												
		129	1.28	9.28	-0.20	6.32	2.75	4.39	387.42	-415.99	-70.24	41.68
397.79												
		1	1.67	2.92	-19.65	2.55	-19.29	2.85	309.59	-702.35	-136.62	-256.14
502.43												
58	76	130	1.22	-8.04	-31.59	-9.56	-30.07	-5.80	69.44	-536.96	-49.08	-418.45
240.46												
		133	0.72	-1.33	-3.96	-3.29	-2.00	-1.15	271.31	-200.83	38.18	32.30
236.05												
		129	1.49	14.70	-0.74	11.19	2.77	6.47	489.24	-409.25	-3.32	83.32
447.15												
		1	1.69	6.76	-25.54	6.53	-25.31	2.71	216.16	-694.34	-84.54	-393.64
428.21												
58	77	130	0.38	14.98	-0.38	3.12	11.49	6.44	23.03	-67.80	-13.31	-31.46
		133	0.19	3.36	-0.38	0.95	2.03	1.79	106.86	16.69	18.68	104.86
		129	0.30	3.48	-9.75	-6.25	-0.02	-5.83	106.15	98.39	102.30	102.23
		1	0.35	9.71	-5.23	-4.93	9.41	-2.07	72.41	-18.74	66.90	-13.23
58	78	130	0.72	6.63	-1.28	1.32	4.03	3.71	50.96	-327.91	-79.07	-197.87
179.88												
		133	0.36	1.95	-0.52	0.54	0.90	1.23	146.51	-78.70	-10.53	78.34
103.47												
		129	0.38	3.12	-4.51	-1.39	-4.13e-03	-3.75	211.28	101.82	169.22	143.87
		1	0.46	4.32	-1.88	-0.96	3.39	-2.21	128.83	-160.58	118.97	-150.73
58	79	130	1.25	-7.15	-23.48	-7.79	-22.84	-3.17	281.74	-520.82	16.49	-255.57
377.52												
		133	0.98	-0.74	-3.03	-2.86	-0.91	-0.61	392.11	-264.50	67.84	59.77
328.28												
		129	1.27	9.40	-0.34	6.50	2.56	4.45	384.16	-412.34	-68.42	40.24
394.52												
		1	1.69	3.05	-19.82	2.69	-19.45	2.87	311.96	-707.26	-136.22	-259.08
505.89												
58	80	130	1.21	-8.04	-31.34	-9.53	-29.84	-5.70	68.97	-532.76	-48.87	-414.92
238.79												
		133	0.72	-1.31	-3.95	-3.31	-1.95	-1.13	268.59	-199.49	37.74	31.36
234.02												
		129	1.50	14.56	-0.58	11.01	2.97	6.41	492.46	-412.84	-5.15	84.76
450.41												
		1	1.68	6.62	-25.37	6.39	-25.14	2.69	213.60	-689.23	-84.94	-390.70
424.74												
58	81	130	0.38	14.72	-0.37	3.09	11.26	6.34	19.90	-68.40	-13.51	-34.99
		133	0.19	3.32	-0.36	0.97	1.98	1.77	107.24	17.69	19.13	105.80
		129	0.29	3.33	-9.62	-6.08	-0.22	-5.77	104.24	100.68	104.13	100.79
		1	0.35	9.54	-5.09	-4.80	9.25	-2.05	74.31	-23.19	67.29	-16.17

58	82	130	0.72	6.88	-1.28	1.35	4.26	3.81	53.91	-327.12	-78.87	-194.34	-181.56
		133	0.36	1.99	-0.54	0.51	0.94	1.25	147.59	-81.17	-10.97	77.40	-105.50
		129	0.39	3.23	-4.60	-1.57	0.19	-3.81	213.93	98.78	167.40	145.31	56.51
		1	0.46	4.45	-1.99	-1.09	3.56	-2.23	129.85	-159.06	118.58	-147.78	-55.96
58	83	130	1.25	-7.21	-23.63	-7.86	-22.98	-3.19	280.22	-520.30	16.74	-256.82	376.16
		133	0.97	-0.75	-3.08	-2.91	-0.92	-0.60	388.78	-263.21	67.84	57.72	325.95
		129	1.29	9.52	-0.25	6.54	2.73	4.50	386.17	-418.68	-72.96	40.46	398.41
		1	1.68	3.09	-19.95	2.72	-19.58	2.89	307.46	-707.07	-138.92	-260.69	503.60
58	84	130	1.23	-8.09	-32.00	-9.66	-30.43	-5.92	68.80	-541.06	-49.03	-423.23	240.78
		133	0.72	-1.36	-4.01	-3.31	-2.06	-1.17	270.71	-200.87	38.63	31.20	235.76
		129	1.49	14.95	-0.80	11.41	2.75	6.58	487.96	-411.91	-6.04	82.10	447.77
		1	1.70	6.93	-25.84	6.70	-25.60	2.75	214.21	-699.24	-86.84	-398.19	429.38
58	85	130	0.38	15.38	-0.32	3.21	11.85	6.56	25.29	-65.33	-13.36	-26.68	-44.82
		133	0.19	3.42	-0.36	0.97	2.09	1.80	107.84	16.36	18.24	105.96	-12.98
		129	0.31	3.53	-10.00	-6.47	1.23e-03	-5.94	107.59	100.88	105.02	103.45	3.26
		1	0.35	10.00	-5.40	-5.10	9.71	-2.11	74.29	-13.77	69.20	-8.67	20.56
58	86	130	0.72	7.02	-1.21	1.41	4.40	3.83	52.89	-325.10	-79.12	-193.09	-180.20
		133	0.36	2.02	-0.50	0.57	0.96	1.24	146.88	-78.41	-10.98	79.44	-103.17
		129	0.39	3.15	-4.74	-1.60	0.02	-3.86	212.82	104.21	171.94	145.09	52.62
		1	0.47	4.58	-2.02	-1.13	3.69	-2.25	131.64	-156.54	121.27	-146.17	-53.66
58	87	130	1.26	-7.21	-23.88	-7.89	-23.20	-3.29	280.50	-524.31	16.54	-260.35	377.84
		133	0.98	-0.79	-3.07	-2.88	-0.97	-0.62	391.50	-264.55	68.29	58.66	327.99
		129	1.28	9.64	-0.39	6.72	2.54	4.56	382.90	-415.03	-71.14	39.01	395.15
		1	1.70	3.22	-20.11	2.85	-19.75	2.91	309.83	-711.99	-138.52	-263.64	507.06
58	88	130	1.22	-8.10	-31.74	-9.63	-30.21	-5.82	68.33	-536.85	-48.82	-419.70	239.11
		133	0.72	-1.35	-4.00	-3.34	-2.01	-1.15	267.98	-199.54	38.19	30.26	233.73
		129	1.50	14.81	-0.63	11.23	2.95	6.52	491.18	-415.51	-7.87	83.54	451.03
		1	1.69	6.79	-25.67	6.56	-25.44	2.73	211.65	-694.14	-87.24	-395.25	425.91
58	89	130	0.38	15.12	-0.31	3.18	11.63	6.46	22.05	-65.82	-13.56	-30.21	-43.14
		133	0.19	3.38	-0.34	1.00	2.04	1.78	108.24	17.34	18.68	106.90	-10.95
		129	0.30	3.38	-9.87	-6.29	-0.20	-5.88	106.85	102.01	106.85	102.01	-4.91e-03
		1	0.35	9.84	-5.26	-4.97	9.54	-2.09	76.17	-18.19	69.59	-11.61	24.03
58	90	130	0.72	7.27	-1.21	1.44	4.62	3.93	55.86	-324.34	-78.92	-189.56	-181.87
		133	0.36	2.06	-0.51	0.54	1.00	1.26	147.95	-80.87	-11.42	78.50	-105.21
		129	0.39	3.26	-4.83	-1.78	0.21	-3.92	215.44	101.21	170.12	146.53	55.88
		1	0.47	4.71	-2.13	-1.26	3.85	-2.27	132.70	-155.06	120.88	-143.23	-57.12
58	91	130	1.22	1.51	-5.35	-1.86	-1.98	3.43	439.10	-336.86	82.92	19.31	386.67
		133	0.94	1.76	-1.35	-1.07	1.48	0.90	407.98	-217.67	84.43	105.87	312.64
		129	0.64	2.20	-4.19	-3.76	1.77	-1.62	171.87	-245.50	-87.92	14.29	202.33
		1	1.28	-1.67	-5.26	-4.71	-2.22	1.30	356.29	-493.14	-126.14	-10.70	420.77
58	92	130	1.25	-6.30	-28.38	-7.85	-26.83	-5.65	-126.11	-545.59	-136.30	-535.39	-64.60
		133	0.09	-1.40	-3.34	-2.42	-2.31	-0.97	21.64	-17.11	-12.95	17.48	11.99
		129	1.27	14.67	-0.39	12.47	1.82	5.32	511.09	-222.87	135.14	153.09	366.87
		1	1.38	8.57	-22.31	8.55	-22.29	0.82	100.25	-521.84	47.44	-469.04	

173.38													
58	93	130	0.96	11.98	-2.33	1.41	8.25	6.29	340.34	-180.93	73.92	85.48	
260.57													
		133	0.69	3.18	-0.75	0.08	2.35	1.61	307.01	-117.51	69.81	119.68	
210.79													
		129	0.38	3.02	-9.61	-7.53	0.93	-4.68	89.03	-92.73	-36.16	32.46	84.16
		1	0.88	6.40	-6.96	-6.96	6.39	-0.18	282.33	-285.25	-65.09	62.18	
276.56													
58	94	130	1.13	-3.97	-17.22	-4.59	-16.60	-2.79	-57.06	-557.46	-145.30	-469.22	-
190.71													
		133	0.28	-1.09	-1.63	-1.28	-1.45	-0.26	96.42	-92.69	-27.56	31.29	-89.86
		129	0.88	9.30	0.37	8.69	0.98	2.25	427.90	-69.74	186.90	171.26	
248.70													
		1	1.06	6.33	-13.70	6.30	-13.68	-0.66	110.18	-397.85	108.50	-396.17	29.17
58	95	130	1.22	1.41	-5.39	-1.88	-2.09	3.40	438.54	-337.73	82.94	17.88	
386.77													
		133	0.94	1.74	-1.36	-1.07	1.46	0.89	407.78	-217.68	84.56	105.54	
312.55													
		129	0.64	2.19	-4.12	-3.69	1.76	-1.58	171.52	-246.33	-88.74	13.92	
202.52													
		1	1.28	-1.72	-5.24	-4.66	-2.31	1.31	355.57	-494.46	-126.83	-12.06	
421.12													
58	96	130	1.25	-6.32	-28.50	-7.88	-26.94	-5.68	-126.16	-546.96	-136.29	-536.83	-64.51
		133	0.09	-1.40	-3.36	-2.43	-2.33	-0.98	21.30	-16.97	-12.81	17.15	11.91
		129	1.27	14.75	-0.41	12.53	1.81	5.35	510.69	-223.65	134.32	152.72	
367.06													
		1	1.39	8.62	-22.40	8.60	-22.38	0.83	99.69	-523.35	46.75	-470.41	
173.73													
58	97	130	0.97	12.10	-2.31	1.44	8.36	6.32	340.97	-180.14	73.91	86.92	
260.47													
		133	0.69	3.20	-0.75	0.09	2.36	1.62	307.22	-117.52	69.68	120.01	
210.87													
		129	0.38	3.03	-9.69	-7.59	0.94	-4.72	89.37	-91.89	-35.34	32.82	83.97
		1	0.88	6.48	-7.01	-7.01	6.48	-0.19	283.10	-283.95	-64.40	63.54	
276.21													
58	98	130	1.13	-3.96	-17.10	-4.56	-16.49	-2.76	-56.75	-556.36	-145.32	-467.79	-
190.80													
		133	0.28	-1.08	-1.61	-1.27	-1.43	-0.25	96.51	-92.58	-27.69	31.62	-89.77
		129	0.88	9.23	0.39	8.63	0.99	2.22	428.31	-68.97	187.72	171.62	
248.51													
		1	1.06	6.28	-13.61	6.25	-13.59	-0.67	110.83	-396.44	109.19	-394.80	28.82
58	99	130	1.23	0.79	-5.47	-1.95	-2.73	3.11	438.92	-349.13	82.25	7.54	
392.25													
		133	0.96	1.59	-1.25	-0.99	1.32	0.83	417.09	-222.16	85.91	109.02	
319.41													
		129	0.60	1.53	-3.59	-3.16	1.11	-1.42	160.64	-233.01	-81.85	9.49	
191.45													
		1	1.31	-1.95	-5.07	-4.26	-2.76	1.37	362.80	-508.13	-124.82	-20.51	
432.33													
58	100	130	1.22	-6.32	-27.52	-7.76	-26.08	-5.32	-123.32	-535.93	-135.63	-523.62	-70.19
		133	0.07	-1.41	-3.25	-2.50	-2.15	-0.91	15.25	-15.35	-14.43	14.33	5.22
		129	1.29	14.12	0.22	11.87	2.48	5.12	521.50	-234.54	129.07	157.90	
377.75													
		1	1.34	8.11	-21.76	8.10	-21.74	0.75	93.50	-506.60	46.12	-459.23	
161.82													
58	101	130	0.96	11.12	-2.31	1.31	7.50	5.96	339.63	-192.67	73.25	73.72	
266.15													
		133	0.70	3.02	-0.67	0.16	2.19	1.54	316.14	-122.02	71.30	122.83	
217.56													
		129	0.35	2.42	-9.08	-6.94	0.27	-4.48	77.55	-79.98	-30.09	27.65	73.28
		1	0.90	5.85	-6.50	-6.50	5.85	-0.11	288.21	-299.61	-63.77	52.36	
288.12													
58	102	130	1.11	-3.98	-16.37	-4.49	-15.85	-2.47	-50.05	-552.03	-144.63	-457.45	-
196.29													
		133	0.30	-1.12	-1.52	-1.36	-1.29	-0.19	100.32	-101.23	-29.04	28.14	-96.63
		129	0.90	8.70	1.05	8.10	1.65	2.05	438.03	-81.14	180.83	176.06	
259.58													
		1	1.03	5.88	-13.16	5.85	-13.13	-0.73	107.80	-386.98	107.18	-386.35	17.61
58	103	130	1.23	0.69	-5.51	-1.98	-2.84	3.07	438.38	-350.01	82.26	6.11	
392.35													
		133	0.96	1.57	-1.26	-0.99	1.30	0.83	416.89	-222.16	86.05	108.69	
319.33													

		129	0.60	1.51	-3.51	-3.10	1.10	-1.38	160.29	-233.83	-82.66	9.12	
191.64													
		1	1.31	-1.99	-5.07	-4.21	-2.85	1.38	362.08	-509.46	-125.51	-21.88	
432.68													
58	104	130	1.23	-6.34	-27.64	-7.79	-26.19	-5.36	-123.38	-537.29	-135.61	-525.06	-70.09
		133	0.07	-1.41	-3.27	-2.51	-2.17	-0.91	14.90	-15.20	-14.30	14.00	5.13
		129	1.29	14.20	0.21	11.94	2.47	5.15	521.11	-235.33	128.25	157.53	
377.94													
		1	1.34	8.17	-21.85	8.15	-21.83	0.76	92.94	-508.11	45.43	-460.59	
162.17													
58	105	130	0.97	11.24	-2.29	1.34	7.61	5.99	340.25	-191.87	73.23	75.15	
266.06													
		133	0.70	3.04	-0.67	0.17	2.20	1.55	316.36	-122.03	71.16	123.16	
217.65													
		129	0.35	2.44	-9.16	-7.00	0.28	-4.52	77.88	-79.13	-29.27	28.02	73.09
		1	0.90	5.93	-6.55	-6.55	5.93	-0.12	288.96	-298.31	-63.08	53.73	
287.77													
58	106	130	1.11	-3.96	-16.24	-4.46	-15.74	-2.43	-49.72	-550.94	-144.64	-456.02	-
196.39													
		133	0.30	-1.11	-1.50	-1.35	-1.27	-0.19	100.41	-101.11	-29.18	28.47	-96.55
		129	0.90	8.62	1.06	8.03	1.65	2.02	438.44	-80.37	181.65	176.43	
259.39													
		1	1.03	5.83	-13.07	5.80	-13.04	-0.74	108.47	-385.59	107.87	-384.99	17.26
61	1	3	0.30	-0.31	-1.15	-0.34	-1.12	0.16	-15.68	-174.75	-17.34	-173.09	16.16
		119	0.11	0.76	0.07	0.11	0.72	0.16	59.83	6.60	9.84	56.59	12.74
		132	0.16	0.63	0.12	0.17	0.57	0.16	58.77	-47.66	-18.98	30.10	47.22
		124	0.49	-0.15	-1.52	-0.17	-1.51	0.16	-37.52	-296.40	-92.11	-241.81	
105.60													
61	2	3	1.45	-2.54	-11.92	-2.60	-11.86	0.77	-121.02	-814.55	-128.63	-806.93	72.27
		119	0.58	5.69	1.32	1.46	5.55	0.77	291.59	-8.66	13.57	269.36	78.62
		132	0.82	4.34	1.65	1.89	4.11	0.77	292.52	-245.27	-102.12	149.38	
237.68													
		124	2.35	-1.44	-15.66	-1.48	-15.62	0.77	-178.48	-1368.37	-428.63	-1118.22	
484.85													
61	3	3	0.21	-0.19	-0.68	-0.22	-0.66	0.11	-10.07	-122.35	-11.24	-121.19	11.37
		119	0.07	0.49	0.03	0.06	0.47	0.11	41.66	5.36	7.50	39.51	8.55
		132	0.11	0.41	0.06	0.10	0.38	0.11	40.80	-32.93	-13.03	20.90	32.73
		124	0.34	-0.09	-0.91	-0.11	-0.89	0.11	-26.20	-207.77	-64.50	-169.47	74.08
61	4	3	1.36	-2.42	-11.46	-2.48	-11.40	0.72	-115.41	-762.14	-122.53	-755.02	67.48
		119	0.54	5.42	1.28	1.41	5.30	0.72	273.42	-9.91	11.22	252.29	74.43
		132	0.77	4.13	1.59	1.82	3.91	0.72	274.55	-230.54	-96.17	140.18	
223.19													
		124	2.20	-1.38	-15.04	-1.42	-15.00	0.72	-167.16	-1279.74	-401.02	-1045.88	
453.32													
61	5	3	0.22	-0.22	-0.80	-0.24	-0.77	0.11	-11.20	-129.18	-12.42	-127.95	11.97
		119	0.08	0.54	0.04	0.07	0.52	0.11	44.13	5.20	7.54	41.78	9.26
		132	0.12	0.45	0.08	0.12	0.41	0.11	43.29	-35.04	-13.92	22.17	34.76
		124	0.36	-0.11	-1.06	-0.12	-1.04	0.11	-27.70	-219.21	-68.09	-178.82	78.12
61	6	3	0.99	-1.71	-7.98	-1.75	-7.93	0.52	-81.42	-555.70	-86.62	-550.51	49.38
		119	0.39	3.83	0.88	0.97	3.74	0.52	198.62	-4.97	10.02	183.63	53.18
		132	0.56	2.93	1.10	1.26	2.77	0.52	199.13	-166.78	-69.35	101.69	
161.74													
		124	1.60	-0.96	-10.48	-0.99	-10.45	0.52	-121.68	-933.85	-292.44	-763.09	
330.95													
61	7	3	0.22	-0.22	-0.80	-0.24	-0.77	0.11	-11.20	-129.18	-12.42	-127.95	11.97
		119	0.08	0.54	0.04	0.07	0.52	0.11	44.13	5.20	7.54	41.78	9.26
		132	0.12	0.45	0.08	0.12	0.41	0.11	43.29	-35.04	-13.92	22.17	34.76
		124	0.36	-0.11	-1.06	-0.12	-1.04	0.11	-27.70	-219.21	-68.09	-178.82	78.12
61	8	3	0.76	-1.26	-5.82	-1.30	-5.79	0.40	-60.35	-427.75	-64.36	-423.74	38.16
		119	0.30	2.85	0.63	0.70	2.77	0.40	152.27	-1.91	9.28	141.08	40.00
		132	0.42	2.19	0.79	0.92	2.06	0.40	152.37	-127.26	-52.72	77.84	
123.64													
		124	1.23	-0.71	-7.65	-0.73	-7.63	0.40	-93.49	-719.46	-225.13	-587.81	
255.10													
61	9	3	0.22	-0.22	-0.80	-0.24	-0.77	0.11	-11.20	-129.18	-12.42	-127.95	11.97
		119	0.08	0.54	0.04	0.07	0.52	0.11	44.13	5.20	7.54	41.78	9.26
		132	0.12	0.45	0.08	0.12	0.41	0.11	43.29	-35.04	-13.92	22.17	34.76
		124	0.36	-0.11	-1.06	-0.12	-1.04	0.11	-27.70	-219.21	-68.09	-178.82	78.12
61	10	3	0.68	-1.11	-5.10	-1.15	-5.07	0.36	-53.33	-385.09	-56.94	-381.48	34.42
		119	0.27	2.52	0.54	0.61	2.45	0.36	136.82	-0.89	9.03	126.89	35.61
		132	0.38	1.94	0.69	0.80	1.83	0.36	136.79	-114.08	-47.18	69.88	
110.94													

		124	1.10	-0.62	-6.71	-0.64	-6.69	0.36	-84.09	-647.99	-202.70	-529.38	
229.82													
61	11	3	2.09	-5.33	-37.22	-7.16	-35.38	-7.42	-232.10	-1152.57	-439.50	-945.18	
384.56													
		119	1.91	10.84	2.00	2.48	10.36	-2.01	915.14	-302.05	-155.14	768.22	
396.53													
		132	2.40	8.00	1.92	3.33	6.59	2.57	905.07	-685.41	-323.57	543.23	
666.76													
		124	4.14	-5.32	-46.37	-6.11	-45.57	5.65	-81.86	-2201.17	-830.55	-1452.48	
1013.00													
61	12	3	2.02	-8.13	-70.61	-12.08	-66.66	-15.20	-355.80	-723.38	-371.78	-707.41	74.95
		119	1.03	17.11	4.43	6.06	15.48	-4.24	439.74	-164.11	-129.47	405.10	
140.41													
		132	1.27	13.32	1.84	7.22	7.95	5.73	423.61	-350.71	-192.36	265.26	
312.31													
		124	3.21	-7.68	-86.16	-9.05	-84.80	10.25	-218.17	-1288.86	-490.95	-1016.08	
466.54													
61	13	3	1.28	61.43	4.88	9.79	56.53	15.92	258.02	-55.68	257.90	-55.56	-6.12
		119	0.53	-1.98	-13.44	-4.84	-10.58	4.96	162.78	-166.56	147.53	-151.31	-69.20
		132	0.52	0.10	-10.00	-5.61	-4.30	-5.01	130.01	-157.49	98.01	-125.49	-90.42
		124	1.29	72.82	6.36	7.76	71.42	-9.54	85.92	-43.06	85.55	-42.69	-6.90
61	14	3	1.26	28.10	2.02	4.87	25.25	8.14	577.69	-69.86	325.62	182.21	-
315.73													
		119	1.40	0.08	-6.80	-1.26	-5.46	2.73	302.71	-643.95	173.20	-514.44	-
325.31													
		132	1.64	-0.38	-4.28	-1.72	-2.94	-1.85	458.76	-633.00	229.22	-403.46	-
444.88													
		124	2.03	33.06	3.96	4.83	32.20	-4.93	963.02	-144.15	425.15	393.72	-
553.37													
61	15	3	2.11	-5.44	-38.66	-7.36	-36.73	-7.77	-229.67	-1158.83	-441.33	-947.17	
389.70													
		119	1.93	11.16	2.09	2.61	10.63	-2.12	920.29	-306.44	-157.16	771.01	
401.05													
		132	2.42	7.99	1.48	3.36	6.12	2.95	910.34	-691.46	-325.82	544.70	
672.31													
		124	4.18	-5.45	-48.09	-6.27	-47.27	5.85	-78.75	-2209.94	-833.06	-1455.63	
1019.11													
61	16	3	2.00	-8.03	-69.17	-11.88	-65.32	-14.85	-356.00	-719.36	-369.95	-705.41	69.82
		119	1.02	16.78	4.35	5.93	15.21	-4.13	435.13	-160.27	-127.45	402.31	
135.89													
		132	1.25	13.19	2.42	7.19	8.42	5.35	418.43	-344.76	-190.12	263.79	
306.77													
		124	3.17	-7.56	-84.44	-8.89	-83.10	10.05	-220.81	-1280.56	-488.44	-1012.93	
460.43													
61	17	3	1.26	59.99	4.78	9.59	55.18	15.57	256.07	-57.56	256.07	-57.55	-0.98
		119	0.52	-1.91	-13.11	-4.70	-10.31	4.85	159.11	-162.12	145.51	-148.53	-64.67
		132	0.50	-0.53	-9.82	-5.58	-4.77	-4.63	124.73	-152.98	95.76	-124.02	-84.88
		124	1.27	71.10	6.23	7.61	69.73	-9.34	83.05	-45.84	83.04	-45.84	-0.79
61	18	3	1.29	29.53	2.13	5.07	26.59	8.49	584.59	-72.94	327.45	184.21	-
320.87													
		119	1.42	8.95e-03	-7.13	-1.39	-5.73	2.84	307.19	-649.19	175.23	-517.23	-
329.84													
		132	1.66	0.15	-4.37	-1.75	-2.46	-2.23	464.75	-638.21	231.46	-404.93	-
450.42													
		124	2.07	34.78	4.10	4.98	33.90	-5.13	971.95	-147.42	427.66	396.87	-
559.48													
61	19	3	2.11	-5.47	-38.94	-7.41	-37.00	-7.83	-229.99	-1150.73	-436.31	-944.41	
383.93													
		119	1.91	11.15	2.10	2.62	10.63	-2.11	913.78	-304.76	-158.51	767.52	
396.02													
		132	2.40	8.22	2.00	3.55	6.67	2.69	904.20	-685.78	-326.18	544.60	
665.17													
		124	4.16	-5.44	-48.41	-6.26	-47.59	5.88	-81.17	-2198.75	-830.02	-1449.90	
1012.41													
61	20	3	2.05	-8.27	-72.34	-12.33	-68.28	-15.61	-352.98	-722.25	-368.59	-706.64	74.31
		119	1.04	17.43	4.53	6.20	15.75	-4.34	438.64	-167.09	-132.84	404.39	
139.90													
		132	1.28	13.59	1.87	7.44	8.02	5.85	422.88	-351.23	-194.98	266.63	
310.71													
		124	3.23	-7.80	-88.21	-9.19	-86.82	10.48	-217.63	-1286.29	-490.42	-1013.50	
465.94													
61	21	3	1.31	63.16	5.02	10.04	58.14	16.32	254.81	-56.43	254.71	-56.33	-5.48

		119	0.54	-2.07	-13.76	-4.98	-10.85	5.06	165.81	-165.52	150.90	-150.61	-68.68
		132	0.52	0.09	-10.29	-5.83	-4.37	-5.13	131.20	-157.44	100.63	-126.86	-88.83
		124	1.33	74.86	6.48	7.90	73.44	-9.76	85.32	-45.57	85.02	-45.26	-6.31
61	22	3	1.28	29.82	2.16	5.12	26.86	8.54	574.82	-70.95	322.43	181.44	-
315.10													
		119	1.40	-8.24e-03	-7.13	-1.40	-5.73	2.82	305.36	-642.53	176.57	-513.73	-
324.80													
		132	1.64	-0.43	-4.53	-1.94	-3.02	-1.97	459.24	-632.24	231.83	-404.83	-
443.28													
		124	2.05	35.10	4.08	4.97	34.22	-5.16	960.91	-145.15	424.62	391.14	-
552.77													
61	23	3	2.13	-5.57	-40.39	-7.61	-38.35	-8.18	-227.57	-1156.98	-438.14	-946.40	
389.06													
		119	1.93	11.46	2.19	2.76	10.90	-2.22	918.93	-309.15	-160.53	770.31	
400.54													
		132	2.42	8.23	1.55	3.58	6.19	3.07	909.47	-691.83	-328.43	546.07	
670.71													
		124	4.20	-5.56	-50.14	-6.41	-49.29	6.08	-78.06	-2207.52	-832.53	-1453.06	
1018.52													
61	24	3	2.03	-8.17	-70.90	-12.13	-66.94	-15.26	-353.15	-718.26	-366.76	-704.64	69.18
		119	1.03	17.10	4.45	6.07	15.48	-4.23	434.05	-163.26	-130.81	401.60	
135.38													
		132	1.25	13.45	2.46	7.41	8.50	5.47	417.72	-345.29	-192.73	265.16	
305.17													
		124	3.19	-7.67	-86.48	-9.04	-85.12	10.28	-220.28	-1277.98	-487.91	-1010.35	
459.83													
61	25	3	1.28	61.72	4.92	9.84	56.80	15.98	252.88	-58.32	252.88	-58.32	-0.35
		119	0.53	-2.00	-13.43	-4.85	-10.58	4.95	162.16	-161.10	148.88	-147.82	-64.16
		132	0.50	-0.55	-10.10	-5.80	-4.85	-4.75	125.97	-152.99	98.38	-125.40	-83.28
		124	1.31	73.14	6.35	7.75	71.74	-9.56	82.51	-48.41	82.51	-48.41	-0.20
61	26	3	1.30	31.26	2.27	5.32	28.21	8.89	581.73	-74.03	324.26	183.44	-
320.23													
		119	1.42	-0.08	-7.46	-1.54	-6.00	2.93	309.84	-647.77	178.59	-516.52	-
329.32													
		132	1.66	0.12	-4.63	-1.97	-2.54	-2.36	465.22	-637.44	234.08	-406.30	-
448.82													
		124	2.08	36.82	4.21	5.12	35.92	-5.36	969.84	-148.42	427.13	394.29	-
558.88													
61	27	3	2.38	36.31	1.47	4.51	33.28	9.82	94.43	-1280.06	-274.42	-911.22	
609.04													
		119	2.22	-0.50	-6.70	-4.26	-2.94	3.03	1108.61	-317.73	-79.15	870.03	
532.33													
		132	2.80	3.11	-6.24	-4.33	1.20	-3.77	1098.93	-794.54	-329.08	633.48	
815.28													
		124	4.73	41.78	1.52	2.16	41.14	-5.04	136.60	-2510.91	-906.12	-1468.19	
1293.58													
61	28	3	2.11	-7.78	-75.09	-11.89	-70.99	-16.11	340.78	-508.11	-48.69	-118.64	-
423.00													
		119	1.14	16.36	5.44	7.68	14.12	-4.40	198.20	-532.17	6.41	-340.39	-
321.39													
		132	1.39	14.08	0.25	8.62	5.72	6.76	325.19	-510.02	108.26	-293.09	-
366.23													
		124	2.24	-6.34	-90.88	-7.61	-89.61	10.31	647.56	-435.18	225.89	-13.51	-
527.97													
61	29	3	2.18	65.88	4.56	9.59	60.85	16.83	215.98	-925.51	-65.20	-644.33	
491.83													
		119	1.56	-2.53	-13.15	-6.45	-9.22	5.12	791.76	-185.94	11.65	594.17	
392.61													
		132	2.07	1.99	-11.07	-7.01	-2.07	-6.04	783.59	-553.34	-202.61	432.86	
588.12													
		124	4.09	77.53	5.03	6.33	76.23	-9.59	170.80	-1847.34	-631.29	-1045.25	
987.61													
61	30	3	1.91	-4.66	-45.56	-6.80	-43.42	-9.11	694.63	-385.85	160.53	148.25	-
540.21													
		119	1.75	9.26	4.06	5.48	7.84	-2.31	323.48	-842.51	97.22	-616.25	-
461.11													
		132	2.12	9.01	-0.62	5.94	2.45	4.49	566.76	-825.74	234.73	-493.71	-
593.39													
		124	2.92	-2.81	-55.15	-3.45	-54.51	5.75	1290.27	-380.12	500.72	409.43	-
833.95													
61	31	3	2.37	35.79	1.43	4.43	32.79	9.70	95.02	-1279.47	-273.46	-910.99	
608.85													

		119	2.22	-0.46	-6.62	-4.21	-2.86	3.00	1108.15	-318.49	-80.16	869.82	532.17
		132	2.80	3.11	-6.15	-4.26	1.22	-3.73	1098.63	-794.62	-329.87	633.89	814.80
		124	4.73	41.16	1.49	2.12	40.53	-4.97	136.83	-2510.21	-905.96	-1467.42	1293.40
61	32	3	2.12	-7.82	-75.61	-11.96	-71.48	-16.23	341.60	-507.73	-47.73	-118.41	-423.19
		119	1.14	16.45	5.47	7.72	14.20	-4.43	197.53	-532.73	5.40	-340.60	-321.55
		132	1.39	14.17	0.26	8.69	5.74	6.80	325.14	-510.34	107.47	-292.68	-366.71
		124	2.24	-6.37	-91.50	-7.66	-90.21	10.38	648.13	-434.82	226.05	-12.74	-528.15
61	33	3	2.18	66.40	4.61	9.67	61.34	16.95	215.37	-926.08	-66.15	-644.56	492.02
		119	1.56	-2.56	-13.24	-6.50	-9.31	5.15	792.26	-185.21	12.66	594.38	392.76
		132	2.07	1.99	-11.16	-7.08	-2.09	-6.08	783.91	-553.29	-201.83	432.45	588.60
		124	4.10	78.14	5.07	6.37	76.84	-9.66	170.57	-1848.04	-631.45	-1046.03	987.79
61	34	3	1.90	-4.62	-45.04	-6.73	-42.93	-8.98	693.84	-386.25	159.58	148.02	-540.02
		119	1.75	9.16	4.03	5.44	7.76	-2.29	324.21	-842.02	98.22	-616.04	-460.96
		132	2.12	8.92	-0.62	5.87	2.43	4.45	566.85	-825.46	235.52	-494.12	-592.91
		124	2.91	-2.78	-54.54	-3.41	-53.90	5.68	1289.64	-380.42	500.56	408.66	-833.77
61	35	3	2.38	31.51	1.13	3.84	28.80	8.66	103.40	-1301.77	-280.51	-917.86	626.16
		119	2.27	-0.12	-5.74	-3.81	-2.04	2.67	1126.49	-333.06	-85.90	879.33	547.41
		132	2.84	0.85	-5.46	-4.23	-0.39	-2.50	1116.70	-814.91	-336.58	638.37	833.76
		124	4.73	36.03	1.10	1.65	35.47	-4.37	147.31	-2540.48	-914.47	-1478.69	1313.95
61	36	3	2.08	-7.44	-70.29	-11.22	-66.51	-14.95	364.19	-518.78	-42.59	-111.99	-440.12
		119	1.18	15.26	5.19	7.23	13.23	-4.04	214.00	-550.53	13.16	-349.68	-336.47
		132	1.42	13.43	2.39	8.52	7.30	5.49	345.69	-527.92	115.75	-297.98	-384.72
		124	2.23	-5.91	-85.14	-7.11	-83.95	9.64	676.65	-445.41	234.24	-3.01	-548.34
61	37	3	2.16	61.08	4.22	8.93	56.37	15.66	224.56	-946.83	-71.29	-650.97	508.95
		119	1.60	-2.27	-12.07	-6.01	-8.33	4.76	809.93	-201.56	4.91	603.47	407.69
		132	2.11	-0.24	-10.32	-6.91	-3.65	-4.77	801.50	-573.85	-210.10	437.75	606.61
		124	4.07	71.78	4.61	5.82	70.57	-8.92	181.53	-1876.93	-639.64	-1055.76	1007.98
61	38	3	1.91	-4.31	-40.76	-6.13	-38.94	-7.94	718.12	-396.60	166.63	154.89	-557.32
		119	1.79	8.16	3.82	5.03	6.94	-1.95	339.04	-860.63	103.96	-625.54	-476.19
		132	2.15	8.28	1.60	5.84	4.04	3.22	587.07	-843.44	242.23	-498.60	-611.87
		124	2.93	-2.39	-49.40	-2.94	-48.85	5.09	1319.98	-390.97	509.07	419.93	-854.31
61	39	3	2.38	30.99	1.09	3.77	28.31	8.54	103.99	-1301.17	-279.55	-917.63	625.96
		119	2.27	-0.08	-5.66	-3.77	-1.96	2.64	1126.03	-333.82	-86.91	879.12	547.25
		132	2.84	0.85	-5.37	-4.16	-0.36	-2.46	1116.41	-814.99	-337.36	638.78	833.28
		124	4.72	35.42	1.07	1.61	34.87	-4.30	147.54	-2539.77	-914.31	-1477.92	1313.77
61	40	3	2.08	-7.48	-70.81	-11.29	-66.99	-15.07	365.01	-518.40	-41.63	-111.76	-440.31

		119	1.18	15.36	5.22	7.27	13.31	-4.07	213.34	-551.09	12.15	-349.89	-336.63
		132	1.43	13.52	2.39	8.59	7.33	5.53	345.64	-528.25	114.97	-297.57	-385.20
		124	2.23	-5.95	-85.75	-7.15	-84.55	9.71	677.22	-445.05	234.40	-2.23	-548.52
61	41	3	2.16	61.59	4.26	9.00	56.86	15.79	223.95	-947.41	-72.25	-651.20	509.14
		119	1.60	-2.30	-12.16	-6.05	-8.41	4.79	810.43	-200.84	5.92	603.68	407.84
		132	2.11	-0.24	-10.41	-6.98	-3.67	-4.81	801.83	-573.81	-209.32	437.34	607.08
		124	4.08	72.39	4.64	5.86	71.18	-8.99	181.30	-1877.63	-639.80	-1056.53	1008.16
61	42	3	1.90	-4.27	-40.24	-6.06	-38.45	-7.82	717.33	-396.99	165.67	154.66	-557.13
		119	1.79	8.06	3.79	4.99	6.86	-1.92	339.77	-860.14	104.97	-625.33	-476.04
		132	2.15	8.19	1.59	5.77	4.01	3.18	587.16	-843.16	243.01	-499.01	-611.39
		124	2.92	-2.35	-48.79	-2.90	-48.24	5.02	1319.35	-391.28	508.91	419.16	-854.14
61	43	3	1.78	-4.54	-30.42	-5.91	-29.06	-5.79	-202.80	-981.02	-357.90	-825.93	310.88
		119	1.56	9.03	1.76	2.09	8.70	-1.52	750.29	-238.83	-120.50	631.96	321.00
		132	1.97	6.71	1.65	2.80	5.57	2.12	742.89	-564.65	-265.00	443.25	549.55
		124	3.49	-4.35	-38.08	-4.97	-37.45	4.55	-84.49	-1869.71	-697.60	-1256.60	847.72
61	44	3	1.73	-6.77	-56.82	-9.80	-53.78	-11.94	-291.74	-650.11	-304.54	-637.31	66.51
		119	0.87	13.92	3.73	4.92	12.73	-3.27	374.86	-129.63	-100.22	345.46	118.20
		132	1.08	10.89	1.65	5.88	6.66	4.60	361.84	-300.29	-161.53	223.08	269.49
		124	2.76	-6.21	-69.53	-7.28	-68.46	8.18	-189.47	-1150.53	-429.00	-911.00	415.73
61	45	3	1.11	47.64	3.51	7.51	43.64	12.66	190.67	-125.67	190.66	-125.65	2.32
		119	0.37	-1.27	-10.26	-3.70	-7.83	3.99	128.32	-101.70	118.29	-91.67	-46.98
		132	0.33	0.30	-7.58	-4.27	-3.01	-3.89	80.97	-97.10	67.18	-83.32	-47.60
		124	1.19	56.19	4.88	5.99	55.08	-7.47	34.20	-158.36	23.60	-147.76	43.91
61	46	3	1.01	21.31	1.22	3.62	18.92	6.51	411.91	-104.93	244.02	62.96	-242.05
		119	1.07	0.34	-5.00	-0.87	-3.80	2.23	239.56	-479.17	138.56	-378.17	-249.78
		132	1.21	-0.10	-3.00	-1.19	-1.92	-1.40	338.02	-470.85	170.65	-303.48	-327.66
		124	1.40	24.78	2.99	3.68	24.08	-3.83	635.96	-145.92	292.20	197.84	-388.09
61	47	3	1.80	-4.63	-31.57	-6.07	-30.13	-6.07	-201.02	-985.88	-359.41	-827.50	315.00
		119	1.57	9.27	1.84	2.20	8.91	-1.60	754.39	-242.41	-122.15	634.13	324.67
		132	1.99	6.71	1.33	2.83	5.21	2.41	747.13	-569.53	-266.83	444.44	554.01
		124	3.52	-4.45	-39.45	-5.09	-38.81	4.71	-82.04	-1876.73	-699.67	-1259.10	852.64
61	48	3	1.71	-6.68	-55.67	-9.64	-52.71	-11.66	-291.72	-647.06	-303.03	-635.75	62.38
		119	0.86	13.67	3.67	4.81	12.52	-3.19	371.20	-126.49	-98.57	343.28	114.52
		132	1.07	10.78	2.08	5.85	7.02	4.31	357.66	-295.47	-159.71	221.89	265.03
		124	2.73	-6.11	-68.16	-7.16	-67.10	8.02	-191.54	-1143.90	-426.93	-908.51	410.81
61	49	3	1.09	46.49	3.43	7.35	42.57	12.38	189.28	-127.35	189.15	-127.22	6.45
		119	0.36	-1.21	-10.00	-3.59	-7.62	3.90	125.36	-98.22	116.63	-89.49	-43.31
		132	0.31	-0.18	-7.42	-4.24	-3.36	-3.59	77.05	-93.82	65.35	-82.13	-43.14
		124	1.17	54.82	4.78	5.87	53.73	-7.31	34.44	-163.16	21.53	-150.25	48.82
61	50	3	1.03	22.46	1.31	3.78	19.99	6.79	417.31	-107.25	245.53	64.53	-246.17
		119	1.08	0.28	-5.27	-0.98	-4.01	2.32	243.23	-483.37	140.21	-380.35	-253.45

		132	1.23	0.31	-3.09	-1.22	-1.56	-1.69	342.83	-475.02	172.48	-304.67	-332.12
		124	1.42	26.15	3.09	3.81	25.44	-3.99	643.10	-148.49	294.27	200.33	-393.00
61	51	3	1.80	-4.65	-31.79	-6.11	-30.34	-6.11	-200.46	-978.35	-354.60	-824.21	310.08
		119	1.56	9.27	1.85	2.21	8.91	-1.59	747.97	-240.71	-122.91	630.18	320.29
		132	1.97	6.89	1.72	2.97	5.63	2.22	741.04	-564.18	-266.61	443.46	547.59
		124	3.51	-4.44	-39.70	-5.08	-39.05	4.73	-83.60	-1865.06	-696.01	-1252.65	846.13
61	52	3	1.75	-6.87	-58.18	-9.99	-55.06	-12.26	-288.79	-648.04	-301.24	-635.59	65.71
		119	0.87	14.17	3.81	5.04	12.94	-3.35	372.72	-131.67	-102.64	343.68	117.49
		132	1.08	11.10	1.67	6.06	6.72	4.70	360.08	-299.92	-163.14	223.30	267.52
		124	2.78	-6.30	-71.15	-7.39	-70.05	8.36	-188.67	-1145.79	-427.41	-907.05	414.13
61	53	3	1.13	49.00	3.62	7.70	44.92	12.98	187.39	-127.41	187.36	-127.38	3.13
		119	0.37	-1.34	-10.52	-3.82	-8.04	4.07	130.42	-99.61	120.70	-89.90	-46.27
		132	0.33	0.29	-7.80	-4.45	-3.07	-3.99	81.41	-96.15	68.78	-83.53	-45.63
		124	1.22	57.81	4.98	6.11	56.68	-7.65	33.21	-162.91	22.02	-151.72	45.51
61	54	3	1.02	22.67	1.34	3.81	20.20	6.83	408.37	-106.42	240.72	61.24	-241.24
		119	1.07	0.26	-5.26	-0.99	-4.01	2.31	241.39	-476.81	140.98	-376.40	-249.07
		132	1.21	-0.14	-3.20	-1.36	-1.98	-1.50	337.65	-469.10	172.25	-303.70	-325.70
		124	1.40	26.39	3.09	3.80	25.68	-4.01	631.75	-147.26	290.61	193.88	-386.49
61	55	3	1.81	-4.74	-32.94	-6.27	-31.41	-6.39	-198.68	-983.20	-356.11	-825.77	314.20
		119	1.57	9.51	1.92	2.32	9.12	-1.68	752.08	-244.28	-124.57	632.36	323.96
		132	1.99	6.89	1.38	3.00	5.27	2.51	745.28	-569.06	-268.43	444.65	552.04
		124	3.54	-4.54	-41.07	-5.21	-40.41	4.89	-81.15	-1872.07	-698.08	-1255.14	851.04
61	56	3	1.73	-6.79	-57.03	-9.83	-53.99	-11.98	-288.75	-645.01	-299.73	-634.02	61.58
		119	0.86	13.92	3.74	4.93	12.73	-3.27	369.06	-128.54	-100.99	341.50	113.81
		132	1.07	10.99	2.11	6.03	7.07	4.41	355.91	-295.11	-161.31	222.11	263.06
		124	2.74	-6.20	-69.77	-7.27	-68.70	8.20	-190.74	-1139.15	-425.34	-904.55	409.22
61	57	3	1.11	47.85	3.54	7.54	43.85	12.70	186.02	-129.11	185.85	-128.94	7.25
		119	0.36	-1.29	-10.25	-3.71	-7.83	3.98	127.48	-96.15	119.05	-87.72	-42.60
		132	0.31	-0.19	-7.65	-4.42	-3.42	-3.69	77.56	-92.94	66.96	-82.34	-41.17
		124	1.20	56.43	4.87	5.98	55.32	-7.49	33.49	-167.75	19.94	-154.21	50.42
61	58	3	1.05	23.82	1.43	3.98	21.27	7.11	413.77	-108.74	242.23	62.81	-245.37
		119	1.08	0.21	-5.52	-1.09	-4.22	2.40	245.06	-481.01	142.63	-378.57	-252.74
		132	1.23	0.29	-3.30	-1.39	-1.62	-1.79	342.46	-473.26	174.08	-304.89	-330.15
		124	1.43	27.76	3.19	3.92	27.03	-4.17	638.88	-149.82	292.68	196.38	-391.40
61	59	3	1.98	27.75	0.81	3.32	25.24	7.84	51.28	-1080.32	-228.16	-800.88	487.98
		119	1.81	0.05	-5.08	-3.23	-1.80	2.46	903.64	-251.28	-60.58	712.94	428.81
		132	2.29	2.69	-4.67	-3.27	1.30	-2.88	897.42	-651.06	-269.45	515.81	667.30
		124	3.93	31.61	1.05	1.56	31.10	-3.90	85.58	-2115.83	-758.54	-1271.71	1070.38
61	60	3	1.73	-6.48	-60.34	-9.64	-57.19	-12.66	220.99	-443.45	-50.29	-172.17	-326.58
		119	0.86	13.28	4.57	6.19	11.66	-3.40	159.27	-394.33	7.01	-242.06	-247.20
		132	1.03	11.47	0.46	7.00	4.93	5.40	232.72	-375.35	75.45	-218.08	-266.26

		124	1.69	-5.13	-73.24	-6.14	-72.24	8.22	399.76	-382.68	136.78	-119.71	-
369.60													
61	61	3	1.83	51.13	3.26	7.34	47.05	13.37	148.03	-802.42	-63.59	-590.80	
395.42													
		119	1.28	-1.66	-10.07	-4.97	-6.76	4.11	653.63	-146.73	11.06	495.85	
318.42													
		132	1.71	1.78	-8.45	-5.39	-1.28	-4.68	648.90	-460.86	-169.80	357.84	
488.15													
		124	3.43	59.89	3.83	4.85	58.86	-7.51	112.04	-1593.27	-542.18	-939.05	
829.24													
61	62	3	1.53	-4.00	-36.99	-5.61	-35.38	-7.12	496.98	-344.79	114.28	37.92	-
419.15													
		119	1.34	7.65	3.50	4.46	6.70	-1.74	257.16	-637.67	78.64	-459.15	-
357.59													
		132	1.60	7.43	-0.20	4.88	2.35	3.60	423.29	-624.24	175.10	-376.04	-
445.41													
		124	2.12	-2.34	-44.98	-2.85	-44.48	4.62	897.80	-331.71	353.14	212.94	-
610.75													
61	63	3	1.97	27.34	0.77	3.26	24.85	7.74	51.94	-1079.48	-227.17	-800.37	
487.74													
		119	1.80	0.08	-5.01	-3.20	-1.74	2.44	902.92	-251.81	-61.30	712.40	
428.60													
		132	2.28	2.69	-4.60	-3.22	1.31	-2.85	896.84	-650.90	-269.93	515.88	
666.71													
		124	3.93	31.12	1.03	1.53	30.62	-3.85	85.87	-2114.45	-758.06	-1270.52	
1069.91													
61	64	3	1.74	-6.51	-60.75	-9.70	-57.57	-12.75	222.03	-442.98	-49.30	-171.65	-
326.82													
		119	0.86	13.36	4.59	6.23	11.72	-3.42	158.79	-395.10	6.28	-242.60	-
247.41													
		132	1.03	11.53	0.47	7.06	4.94	5.43	232.89	-375.94	74.97	-218.01	-
266.85													
		124	1.69	-5.16	-73.73	-6.17	-72.72	8.28	400.93	-382.19	137.26	-118.52	-
370.08													
61	65	3	1.83	51.54	3.29	7.40	47.43	13.47	147.35	-803.24	-64.58	-591.32	
395.66													
		119	1.28	-1.68	-10.15	-5.01	-6.82	4.14	654.37	-146.21	11.78	496.38	
318.63													
		132	1.71	1.78	-8.52	-5.45	-1.29	-4.71	649.50	-461.04	-169.32	357.78	
488.74													
		124	3.44	60.37	3.85	4.88	59.34	-7.56	111.75	-1594.65	-542.66	-940.24	
829.72													
61	66	3	1.52	-3.96	-36.58	-5.55	-34.99	-7.02	495.97	-345.28	113.29	37.40	-
418.91													
		119	1.34	7.57	3.48	4.42	6.63	-1.72	257.67	-636.93	79.37	-458.62	-
357.38													
		132	1.60	7.37	-0.20	4.83	2.34	3.57	423.14	-623.67	175.58	-376.11	-
444.82													
		124	2.12	-2.32	-44.50	-2.82	-44.00	4.57	896.53	-332.11	352.67	211.76	-
610.27													
61	67	3	1.98	23.92	0.52	2.78	21.66	6.91	58.09	-1097.39	-233.19	-806.11	
501.73													
		119	1.84	0.37	-4.33	-2.88	-1.09	2.17	917.89	-263.78	-66.09	720.20	
441.05													
		132	2.32	0.98	-4.05	-3.17	0.10	-1.91	911.71	-667.47	-275.54	519.78	
682.14													
		124	3.93	27.03	0.72	1.16	26.59	-3.37	94.07	-2139.53	-765.44	-1280.02	
1086.76													
61	68	3	1.70	-6.20	-56.51	-9.10	-53.61	-11.73	239.62	-451.83	-45.26	-166.94	-
340.33													
		119	0.89	12.41	4.37	5.84	10.94	-3.11	172.20	-409.01	12.51	-249.32	-
259.44													
		132	1.06	10.95	2.07	6.90	6.12	4.43	249.22	-389.72	81.53	-222.04	-
281.11													
		124	1.65	-4.79	-68.66	-5.73	-67.72	7.69	422.65	-390.36	143.68	-111.40	-
385.98													
61	69	3	1.81	47.30	2.98	6.81	43.47	12.45	154.45	-819.10	-68.62	-596.02	
409.16													
		119	1.32	-1.44	-9.22	-4.62	-6.05	3.83	668.12	-159.47	5.55	503.11	
330.66													
		132	1.74	0.09	-7.85	-5.29	-2.47	-3.71	663.30	-477.37	-175.88	361.81	
503.00													

		124	3.42	55.30	3.49	4.45	54.35	-6.97	120.52	-1616.97	-549.08	-947.37	
845.62													
61	70	3	1.52	-3.71	-33.17	-5.08	-31.80	-6.19	515.79	-353.34	119.31	43.14	-
432.90													
		119	1.37	6.78	3.31	4.10	5.99	-1.46	269.91	-652.17	84.15	-466.41	-
369.84													
		132	1.63	6.86	1.47	4.78	3.55	2.62	439.63	-638.45	181.19	-380.01	-
460.25													
		124	2.13	-2.00	-40.40	-2.44	-39.96	4.09	921.60	-340.30	360.05	221.26	-
627.12													
61	71	3	1.97	23.51	0.49	2.72	21.28	6.81	58.76	-1096.55	-232.20	-805.59	
501.49													
		119	1.84	0.40	-4.27	-2.84	-1.02	2.15	917.17	-264.31	-66.81	719.66	
440.84													
		132	2.31	0.98	-3.98	-3.12	0.12	-1.88	911.13	-667.30	-276.02	519.84	
681.55													
		124	3.92	26.54	0.69	1.12	26.11	-3.32	94.35	-2138.15	-764.97	-1278.83	
1086.28													
61	72	3	1.71	-6.23	-56.92	-9.16	-53.99	-11.83	240.66	-451.35	-44.27	-166.43	-
340.57													
		119	0.89	12.49	4.39	5.87	11.01	-3.13	171.72	-409.78	11.79	-249.85	-
259.66													
		132	1.06	11.02	2.07	6.95	6.14	4.46	249.40	-390.32	81.05	-221.98	-
281.70													
		124	1.66	-4.82	-69.15	-5.77	-68.20	7.74	423.82	-389.87	144.16	-110.21	-
386.46													
61	73	3	1.82	47.71	3.02	6.87	43.86	12.54	153.77	-819.93	-69.61	-596.54	
409.40													
		119	1.32	-1.46	-9.30	-4.65	-6.11	3.85	668.86	-158.95	6.27	503.64	
330.87													
		132	1.74	0.09	-7.92	-5.35	-2.49	-3.74	663.90	-477.56	-175.40	361.74	
503.59													
		124	3.43	55.79	3.52	4.48	54.83	-7.03	120.24	-1618.35	-549.56	-948.55	
846.09													
61	74	3	1.52	-3.68	-32.76	-5.02	-31.42	-6.10	514.78	-353.84	118.32	42.62	-
432.65													
		119	1.37	6.70	3.29	4.07	5.92	-1.43	270.42	-651.43	84.87	-465.88	-
369.62													
		132	1.63	6.79	1.47	4.73	3.53	2.59	439.48	-637.88	181.67	-380.07	-
459.66													
		124	2.12	-1.98	-39.91	-2.41	-39.48	4.03	920.33	-340.69	359.57	220.07	-
626.64													
61	75	3	1.59	-4.02	-25.96	-5.08	-24.89	-4.73	-183.83	-871.82	-306.19	-749.46	
263.07													
		119	1.34	7.85	1.60	1.83	7.61	-1.19	644.40	-197.53	-98.17	545.03	
271.63													
		132	1.70	5.88	1.49	2.45	4.92	1.81	638.30	-486.81	-227.47	378.95	
473.85													
		124	3.08	-3.71	-32.63	-4.22	-32.12	3.82	-86.68	-1657.26	-612.36	-1131.57	
741.14													
61	76	3	1.54	-5.86	-47.77	-8.30	-45.33	-9.81	-251.19	-604.47	-262.08	-593.58	61.05
		119	0.76	11.86	3.26	4.17	10.95	-2.64	334.21	-107.44	-81.40	308.18	
104.02													
		132	0.96	9.30	1.52	5.00	5.82	3.87	323.24	-268.18	-141.92	196.98	
242.34													
		124	2.47	-5.24	-58.63	-6.13	-57.74	6.83	-171.62	-1064.65	-390.35	-845.91	
384.05													
61	77	3	0.99	38.59	2.61	6.00	35.19	10.53	148.39	-169.58	148.20	-169.39	7.78
		119	0.28	-0.80	-8.20	-2.95	-6.05	3.36	106.17	-61.09	99.47	-54.39	-32.80
		132	0.21	0.43	-5.99	-3.39	-2.17	-3.15	51.42	-61.06	47.57	-57.21	-20.45
		124	1.12	45.29	3.92	4.84	44.36	-6.11	10.53	-238.43	-15.05	-212.85	75.59
61	78	3	0.86	16.86	0.69	2.79	14.75	5.44	309.22	-130.42	192.31	-13.51	-
194.24													
		119	0.85	0.51	-3.84	-0.61	-2.72	1.91	198.28	-373.30	116.23	-291.25	-
200.42													
		132	0.94	0.06	-2.17	-0.84	-1.27	-1.10	260.23	-366.30	133.11	-239.18	-
251.96													
		124	0.99	19.33	2.35	2.93	18.74	-3.10	429.27	-149.50	206.96	72.81	-
281.50													
61	79	3	1.60	-4.09	-26.91	-5.22	-25.78	-4.96	-182.47	-875.72	-307.43	-750.76	
266.48													
		119	1.35	8.05	1.66	1.92	7.79	-1.26	647.79	-200.48	-99.53	546.84	

274.66													
		132	1.71	5.87	1.23	2.48	4.62	2.06	641.80	-490.84	-228.97	379.93	
477.53													
		124	3.10	-3.79	-33.77	-4.32	-33.23	3.95	-84.67	-1663.03	-614.07	-1133.64	
745.20													
61	80	3	1.53	-5.79	-46.82	-8.16	-44.44	-9.58	-251.10	-602.02	-260.84	-592.28	57.65
		119	0.76	11.65	3.21	4.08	10.77	-2.57	331.17	-104.84	-80.04	306.37	
100.99													
		132	0.95	9.22	1.87	4.97	6.12	3.63	319.77	-264.19	-140.41	196.00	
238.66													
		124	2.45	-5.16	-57.49	-6.03	-56.62	6.69	-173.31	-1059.19	-388.65	-843.85	
379.99													
61	81	3	0.98	37.64	2.54	5.87	34.30	10.30	147.35	-171.08	146.95	-170.68	11.18
		119	0.27	-0.75	-7.99	-2.86	-5.88	3.29	103.77	-58.26	98.10	-52.59	-29.77
		132	0.20	0.03	-5.86	-3.36	-2.47	-2.91	48.74	-58.91	46.06	-56.23	-16.78
		124	1.11	44.15	3.84	4.74	43.24	-5.98	11.29	-242.96	-16.75	-214.91	79.65
61	82	3	0.88	17.80	0.76	2.92	15.64	5.67	313.49	-132.15	193.55	-12.21	-
197.65													
		119	0.86	0.47	-4.06	-0.70	-2.89	1.98	201.32	-376.78	117.59	-293.05	-
203.45													
		132	0.95	0.42	-2.26	-0.87	-0.97	-1.34	264.19	-369.74	134.62	-240.17	-
255.64													
		124	1.01	20.46	2.43	3.03	19.86	-3.23	435.06	-151.52	208.67	74.87	-
285.56													
61	83	3	1.60	-4.11	-27.09	-5.25	-25.95	-4.99	-181.83	-869.69	-303.46	-748.06	
262.43													
		119	1.34	8.04	1.67	1.93	7.79	-1.25	642.52	-199.10	-100.17	543.59	
271.06													
		132	1.70	6.02	1.55	2.60	4.97	1.89	636.79	-486.45	-228.81	379.15	
472.24													
		124	3.09	-3.78	-33.97	-4.31	-33.43	3.97	-85.95	-1653.47	-611.08	-1128.33	
739.86													
61	84	3	1.56	-5.95	-48.90	-8.46	-46.39	-10.07	-248.72	-602.81	-259.35	-592.18	60.41
		119	0.77	12.06	3.33	4.27	11.12	-2.71	332.47	-109.14	-83.41	306.73	
103.45													
		132	0.96	9.47	1.54	5.14	5.87	3.95	321.80	-267.88	-143.26	197.18	
240.74													
		124	2.49	-5.32	-59.96	-6.22	-59.06	6.97	-170.96	-1060.79	-389.07	-842.68	
382.77													
61	85	3	1.01	39.72	2.70	6.17	36.25	10.79	145.69	-171.01	145.47	-170.78	8.43
		119	0.29	-0.86	-8.41	-3.05	-6.23	3.42	107.93	-59.41	101.47	-52.95	-32.23
		132	0.21	0.42	-6.17	-3.53	-2.22	-3.23	52.15	-60.66	48.91	-57.41	-18.85
		124	1.14	46.62	4.00	4.94	45.68	-6.26	9.83	-242.24	-16.32	-216.09	76.87
61	86	3	0.87	17.98	0.78	2.95	15.81	5.71	306.27	-131.60	189.57	-14.91	-
193.60													
		119	0.85	0.45	-4.05	-0.71	-2.89	1.97	199.81	-371.38	118.24	-289.81	-
199.84													
		132	0.94	0.04	-2.34	-0.99	-1.32	-1.18	259.97	-364.90	134.45	-239.38	-
250.35													
		124	1.00	20.66	2.43	3.03	20.06	-3.25	425.99	-150.74	205.69	69.57	-
280.22													
61	87	3	1.61	-4.18	-28.04	-5.38	-26.84	-5.22	-180.48	-873.58	-304.70	-749.36	
265.83													
		119	1.35	8.25	1.74	2.02	7.96	-1.33	645.91	-202.05	-101.54	545.40	
274.09													
		132	1.71	6.02	1.28	2.62	4.67	2.14	640.30	-490.48	-230.31	380.13	
475.92													
		124	3.11	-3.87	-35.10	-4.41	-34.55	4.10	-83.95	-1659.24	-612.79	-1130.40	
743.92													
61	88	3	1.54	-5.88	-47.95	-8.33	-45.50	-9.84	-248.61	-600.38	-258.10	-590.88	57.00
		119	0.76	11.85	3.27	4.18	10.95	-2.64	329.44	-106.55	-82.04	304.93	
100.42													
		132	0.95	9.39	1.90	5.12	6.17	3.71	318.34	-263.90	-141.75	196.20	
237.06													
		124	2.46	-5.23	-58.83	-6.12	-57.94	6.84	-172.65	-1055.33	-387.37	-840.61	
378.71													
61	89	3	0.99	38.77	2.63	6.03	35.36	10.56	144.66	-172.52	144.22	-172.08	11.83
		119	0.28	-0.81	-8.20	-2.96	-6.05	3.35	105.55	-56.59	100.11	-51.14	-29.20
		132	0.20	0.02	-6.04	-3.51	-2.51	-2.99	49.57	-58.60	47.40	-56.43	-15.17
		124	1.13	45.49	3.91	4.83	44.56	-6.12	10.60	-246.78	-18.03	-218.15	80.93
61	90	3	0.89	18.93	0.86	3.09	16.70	5.94	310.54	-133.33	190.82	-13.61	-
197.00													

		119	0.86	0.41	-4.27	-0.80	-3.07	2.04	202.84	-374.85	119.60	-291.61	-202.87
		132	0.95	0.40	-2.44	-1.01	-1.02	-1.42	263.93	-368.33	135.96	-240.37	-254.03
		124	1.02	21.79	2.51	3.13	21.18	-3.38	431.78	-152.76	207.39	71.63	-284.28
61	91	3	1.71	22.16	0.36	2.54	19.98	6.54	24.15	-951.06	-198.62	-728.29	409.41
		119	1.53	0.41	-4.04	-2.57	-1.06	2.10	770.38	-207.36	-48.56	611.57	360.63
		132	1.95	2.46	-3.64	-2.56	1.39	-2.32	765.65	-558.07	-231.00	438.59	570.94
		124	3.41	24.97	0.76	1.18	24.55	-3.16	52.76	-1858.36	-662.31	-1143.29	924.80
61	92	3	1.50	-5.62	-50.69	-8.16	-48.14	-10.40	145.29	-405.57	-51.58	-208.70	-263.99
		119	0.68	11.30	3.99	5.22	10.06	-2.74	133.36	-303.99	7.33	-177.96	-198.08
		132	0.79	9.75	0.56	5.93	4.39	4.53	172.51	-286.34	54.14	-167.98	-200.76
		124	1.47	-4.35	-61.70	-5.19	-60.86	6.86	240.89	-354.27	77.72	-191.10	-265.50
61	93	3	1.60	41.47	2.40	5.87	38.00	11.12	105.57	-722.15	-62.30	-554.27	332.82
		119	1.10	-1.07	-8.09	-4.00	-5.16	3.46	563.04	-120.57	10.73	431.74	269.30
		132	1.47	1.68	-6.74	-4.32	-0.74	-3.81	559.90	-400.65	-148.49	307.74	422.64
		124	3.00	48.34	3.05	3.90	47.49	-6.14	74.80	-1425.59	-483.12	-867.67	725.14
61	94	3	1.29	-3.56	-31.39	-4.84	-30.12	-5.82	370.80	-320.74	84.73	-34.67	-340.58
		119	1.07	6.63	3.12	3.79	5.96	-1.38	213.29	-504.45	66.62	-357.79	-289.41
		132	1.26	6.40	0.03	4.17	2.26	3.04	330.31	-492.48	136.65	-298.82	-349.05
		124	1.60	-2.05	-38.34	-2.47	-37.92	3.88	643.80	-302.36	256.92	84.52	-465.16
61	95	3	1.71	21.82	0.34	2.50	19.66	6.46	24.71	-950.38	-197.80	-727.87	409.22
		119	1.53	0.44	-3.99	-2.54	-1.01	2.08	769.79	-207.81	-49.16	611.14	360.45
		132	1.95	2.46	-3.58	-2.52	1.41	-2.30	765.18	-557.94	-231.41	438.65	570.45
		124	3.41	24.57	0.74	1.15	24.15	-3.12	52.99	-1857.23	-661.93	-1142.31	924.42
61	96	3	1.50	-5.65	-51.02	-8.21	-48.46	-10.48	146.16	-405.20	-50.76	-208.28	-264.19
		119	0.68	11.36	4.00	5.25	10.11	-2.76	132.96	-304.62	6.73	-178.39	-198.25
		132	0.79	9.81	0.57	5.97	4.40	4.55	172.65	-286.83	53.74	-167.92	-201.24
		124	1.47	-4.38	-62.10	-5.21	-61.26	6.90	241.78	-353.80	78.10	-190.12	-265.88
61	97	3	1.60	41.81	2.43	5.92	38.32	11.19	104.99	-722.80	-63.12	-554.69	333.02
		119	1.10	-1.09	-8.15	-4.03	-5.21	3.48	563.65	-120.13	11.34	432.18	269.47
		132	1.47	1.68	-6.79	-4.36	-0.75	-3.84	560.39	-400.80	-148.09	307.68	423.13
		124	3.00	48.74	3.07	3.93	47.89	-6.19	74.57	-1426.71	-483.50	-868.64	725.52
61	98	3	1.29	-3.53	-31.06	-4.79	-29.80	-5.74	369.96	-321.14	83.91	-35.09	-340.39
		119	1.07	6.57	3.10	3.76	5.91	-1.36	213.72	-503.85	67.22	-357.35	-289.24
		132	1.26	6.35	0.03	4.13	2.25	3.01	330.19	-492.02	137.05	-298.89	-348.56
		124	1.60	-2.02	-37.94	-2.44	-37.52	3.84	642.80	-302.72	256.53	83.55	-464.78
61	99	3	1.71	19.00	0.13	2.10	17.03	5.77	29.53	-964.91	-202.76	-732.62	-420.76

		119	1.57	0.69	-3.44	-2.27	-0.47	1.86	782.13	-217.65	-53.10	617.58	370.73
		132	1.97	1.05	-3.13	-2.48	0.40	-1.51	777.46	-571.62	-236.03	441.87	583.19
		124	3.41	21.18	0.48	0.84	20.81	-2.72	59.71	-1877.89	-668.01	-1150.17	938.33
61	100	3	1.47	-5.39	-47.52	-7.72	-45.19	-9.63	160.40	-412.21	-47.44	-204.37	-275.34
		119	0.71	10.58	3.82	4.93	9.47	-2.51	144.01	-316.11	11.87	-183.97	-208.18
		132	0.81	9.34	1.88	5.84	5.38	3.72	186.13	-298.22	59.17	-171.25	-213.01
		124	1.43	-4.07	-57.91	-4.85	-57.13	6.42	259.05	-359.85	83.41	-184.21	-279.02
61	101	3	1.59	38.31	2.17	5.43	35.05	10.35	110.57	-735.62	-66.44	-558.60	344.17
		119	1.13	-0.89	-7.39	-3.71	-4.57	3.22	575.00	-131.05	6.19	437.76	279.39
		132	1.50	0.27	-6.23	-4.23	-1.73	-3.00	571.79	-414.29	-153.52	311.02	434.90
		124	2.99	44.55	2.77	3.56	43.76	-5.70	81.74	-1445.11	-488.81	-874.55	738.66
61	102	3	1.28	-3.32	-28.24	-4.39	-27.16	-5.06	386.21	-327.68	88.88	-30.35	-351.93
		119	1.11	5.91	2.96	3.50	5.37	-1.14	223.82	-516.46	71.16	-363.80	-299.51
		132	1.29	5.94	1.40	4.09	3.25	2.23	343.79	-504.21	141.68	-302.10	-361.30
		124	1.61	-1.77	-34.55	-2.13	-34.19	3.44	663.29	-309.27	262.61	91.41	-478.69
61	103	3	1.71	18.66	0.10	2.05	16.71	5.69	30.09	-964.23	-201.94	-732.20	420.57
		119	1.57	0.72	-3.39	-2.24	-0.42	1.84	781.55	-218.09	-53.70	617.15	370.55
		132	1.97	1.05	-3.07	-2.44	0.42	-1.49	776.99	-571.49	-236.43	441.93	582.71
		124	3.40	20.78	0.46	0.82	20.42	-2.68	59.95	-1876.77	-667.62	-1149.20	937.94
61	104	3	1.48	-5.42	-47.86	-7.77	-45.51	-9.71	161.26	-411.83	-46.62	-203.95	-275.54
		119	0.71	10.65	3.84	4.96	9.52	-2.53	143.61	-316.75	11.27	-184.41	-208.35
		132	0.82	9.39	1.89	5.89	5.39	3.74	186.27	-298.70	58.76	-171.19	-213.50
		124	1.44	-4.10	-58.31	-4.88	-57.53	6.46	259.95	-359.39	83.80	-183.24	-279.41
61	105	3	1.59	38.65	2.20	5.48	35.37	10.43	110.00	-736.28	-67.26	-559.02	344.37
		119	1.13	-0.91	-7.46	-3.74	-4.63	3.24	575.60	-130.61	6.79	438.19	279.57
		132	1.50	0.27	-6.29	-4.28	-1.74	-3.03	572.28	-414.44	-153.12	310.96	435.38
		124	2.99	44.95	2.79	3.59	44.15	-5.75	81.51	-1446.23	-489.19	-875.53	739.05
61	106	3	1.28	-3.29	-27.90	-4.35	-26.85	-4.98	385.37	-328.07	88.06	-30.77	-351.74
		119	1.10	5.85	2.94	3.47	5.32	-1.12	224.25	-515.85	71.76	-363.37	-299.34
		132	1.29	5.88	1.40	4.05	3.23	2.21	343.67	-503.75	142.08	-302.16	-360.82
		124	1.61	-1.74	-34.15	-2.10	-33.79	3.40	662.28	-309.63	262.22	90.44	-478.30
62	1	119	0.11	0.52	-0.07	-0.06	0.51	0.07	60.32	-5.74	14.27	40.30	30.36
		10	0.12	0.90	0.01	0.02	0.89	0.07	10.96	-57.47	-2.57	-43.94	27.25
		135	0.08	0.89	-0.04	-0.03	0.88	0.07	-9.26	-45.49	-9.43	-45.31	-2.51
		132	0.07	0.51	-0.11	-0.11	0.50	0.07	38.94	7.40	7.42	38.93	0.59
62	2	119	0.42	2.92	-1.58	-1.57	2.91	0.17	229.87	20.72	47.62	202.97	70.02
		10	0.33	6.92	-0.77	-0.77	6.92	0.17	19.93	-131.64	-12.76	-98.94	62.35
		135	0.30	7.23	0.80	0.80	7.23	0.17	-8.70	-123.32	-29.70	-102.33	-44.33
		132	0.38	3.24	-6.58e-03	2.26e-03	3.23	0.17	207.20	23.07	30.69	199.59	-36.67
62	3	119	0.08	0.36	-0.02	-0.02	0.35	0.05	43.40	-5.11	10.35	27.93	22.60
		10	0.08	0.58	0.02	0.03	0.57	0.05	8.26	-42.81	-1.79	-32.76	20.30

		135	0.06	0.56	-0.04	-0.04	0.56	0.05	-6.83	-33.83	-6.87	-33.78	-1.14
		132	0.05	0.34	-0.09	-0.08	0.34	0.05	26.98	5.20	5.26	26.92	1.16
62	4	119	0.39	2.76	-1.53	-1.53	2.75	0.15	213.44	20.86	43.70	190.60	62.26
		10	0.30	6.60	-0.76	-0.76	6.60	0.15	17.24	-116.99	-11.98	-87.77	55.40
		135	0.27	6.91	0.79	0.79	6.91	0.15	-5.50	-112.44	-27.14	-90.80	-42.96
		132	0.36	3.07	0.02	0.02	3.06	0.15	195.38	20.73	28.54	187.57	-36.10
62	5	119	0.08	0.38	-0.04	-0.03	0.37	0.05	45.09	-4.72	10.71	29.67	23.03
		10	0.09	0.64	0.02	0.02	0.64	0.05	8.35	-43.60	-1.90	-33.35	20.68
		135	0.06	0.63	-0.03	-0.03	0.63	0.05	-7.00	-34.48	-7.09	-34.39	-1.59
		132	0.05	0.37	-0.09	-0.08	0.36	0.05	28.66	5.49	5.51	28.63	0.76
62	6	119	0.29	1.98	-1.04	-1.04	1.98	0.12	157.72	13.33	32.94	138.11	49.47
		10	0.23	4.66	-0.51	-0.51	4.65	0.12	14.34	-93.04	-8.69	-70.02	44.07
		135	0.20	4.86	0.52	0.52	4.86	0.12	-7.26	-85.73	-20.60	-72.40	-29.47
		132	0.26	2.19	-0.02	-0.01	2.18	0.12	140.58	16.18	21.03	135.73	-24.08
62	7	119	0.08	0.38	-0.04	-0.03	0.37	0.05	45.09	-4.72	10.71	29.67	23.03
		10	0.09	0.64	0.02	0.02	0.64	0.05	8.35	-43.60	-1.90	-33.35	20.68
		135	0.06	0.63	-0.03	-0.03	0.63	0.05	-7.00	-34.48	-7.09	-34.39	-1.59
		132	0.05	0.37	-0.09	-0.08	0.36	0.05	28.66	5.49	5.51	28.63	0.76
62	8	119	0.22	1.50	-0.74	-0.74	1.50	0.10	123.35	8.50	26.27	105.58	41.53
		10	0.19	3.45	-0.35	-0.35	3.45	0.10	12.54	-78.20	-6.65	-59.02	37.05
		135	0.16	3.59	0.36	0.36	3.59	0.10	-8.12	-69.42	-16.55	-61.00	-21.11
		132	0.19	1.64	-0.04	-0.03	1.64	0.10	106.66	13.31	16.37	103.60	-16.63
62	9	119	0.08	0.38	-0.04	-0.03	0.37	0.05	45.09	-4.72	10.71	29.67	23.03
		10	0.09	0.64	0.02	0.02	0.64	0.05	8.35	-43.60	-1.90	-33.35	20.68
		135	0.06	0.63	-0.03	-0.03	0.63	0.05	-7.00	-34.48	-7.09	-34.39	-1.59
		132	0.05	0.37	-0.09	-0.08	0.36	0.05	28.66	5.49	5.51	28.63	0.76
62	10	119	0.20	1.34	-0.64	-0.64	1.34	0.09	111.94	6.84	24.04	94.73	38.89
		10	0.17	3.05	-0.30	-0.30	3.05	0.09	11.94	-73.26	-5.97	-55.35	34.71
		135	0.15	3.17	0.30	0.30	3.17	0.09	-8.33	-64.06	-15.20	-57.19	-18.32
		132	0.17	1.46	-0.04	-0.04	1.45	0.09	95.38	12.34	14.82	92.89	-14.14
62	11	119	1.57	2.24	-8.28	-7.20	1.16	-3.19	897.58	-52.18	23.27	822.13	
256.84													
		10	1.07	12.32	-4.79	-4.79	12.31	-0.27	5.99	-596.52	-285.89	-304.64	
301.11													
		135	0.73	14.50	1.59	2.30	13.79	2.94	-205.53	-367.68	-206.56	-366.65	12.88
		132	1.28	2.89	-1.74	-1.42	2.57	1.17	749.98	30.33	34.03	746.28	-51.48
62	12	119	0.84	1.70	-16.24	-13.73	-0.81	-6.23	415.08	17.57	22.40	410.25	-43.54
		10	0.56	18.79	-9.53	-9.52	18.78	-0.36	-122.50	-232.39	-207.91	-146.99	45.73
		135	0.67	23.24	2.29	4.02	21.51	5.77	-55.76	-204.70	-67.34	-193.12	-39.89
		132	1.09	2.03	-1.78	-1.41	1.66	1.13	666.45	36.06	212.33	490.17	-
282.93													
62	13	119	0.72	15.79	0.14	12.45	3.48	6.41	75.39	-270.48	25.69	-220.78	
121.32													
		10	0.57	8.95	-12.71	8.93	-12.69	0.54	199.41	32.84	195.96	36.29	23.70
		135	0.38	-1.19	-17.41	-3.42	-15.18	-5.59	78.98	36.70	36.95	78.73	3.25
		132	0.89	2.24	0.34	1.33	1.25	-0.95	18.27	-505.35	-182.69	-304.39	
254.64													
62	14	119	1.22	7.75	-0.31	5.92	1.51	3.38	70.42	-678.26	24.82	-632.66	-
179.06													
		10	0.80	4.22	-6.24	4.20	-6.22	0.46	469.05	-1.17	273.94	193.94	-
231.69													
		135	0.48	-0.59	-8.57	-1.69	-7.46	-2.76	276.66	151.76	176.17	252.26	-49.52
		132	0.94	1.95	-0.27	1.34	0.34	-0.99	-3.42	-561.46	-4.38	-560.50	23.19
62	15	119	1.57	2.26	-8.66	-7.49	1.08	-3.38	897.30	-51.97	20.64	824.69	
252.30													
		10	1.06	12.60	-5.04	-5.04	12.60	-0.28	3.19	-591.90	-287.43	-301.28	
297.46													
		135	0.73	14.92	1.66	2.42	14.16	3.07	-202.09	-362.52	-202.53	-362.08	8.39
		132	1.43	2.89	-1.68	-1.37	2.59	1.14	875.19	95.52	124.80	845.91	-
148.23													
62	16	119	0.83	1.67	-15.86	-13.44	-0.74	-6.04	411.62	21.10	25.04	407.69	-39.00
		10	0.55	18.51	-9.28	-9.27	18.50	-0.35	-121.59	-235.12	-206.37	-150.34	49.37
		135	0.67	22.82	2.22	3.90	21.14	5.64	-62.13	-206.93	-71.37	-197.69	-35.39
		132	0.79	2.02	-1.84	-1.45	1.63	1.16	485.72	26.38	121.56	390.54	-
186.17													
62	17	119	0.70	15.40	0.18	12.17	3.41	6.22	70.32	-265.49	23.05	-218.22	
116.78													
		10	0.56	8.70	-12.42	8.68	-12.41	0.54	196.98	37.09	194.42	39.65	20.05
		135	0.37	-1.13	-16.98	-3.30	-14.81	-5.45	83.34	40.95	40.98	83.30	-1.25
		132	0.58	2.31	0.34	1.38	1.27	-0.98	19.33	-316.00	-91.91	-204.76	
157.89													
62	18	119	1.22	8.15	-0.35	6.21	1.59	3.56	70.60	-678.37	27.45	-635.22	-

174.52													
		10	0.80	4.47	-6.52	4.45	-6.50	0.47	464.98	1.08	275.48	190.58	-
228.04													
		135	0.48	-0.65	-8.99	-1.81	-7.83	-2.89	268.69	151.14	172.13	247.69	-45.03
		132	1.09	1.88	-0.27	1.30	0.32	-0.96	-70.75	-684.54	-95.16	-660.13	
119.95													
62	19	119	1.56	2.22	-8.73	-7.54	1.02	-3.41	888.29	-50.18	18.35	819.76	
244.17													
		10	1.04	12.67	-5.04	-5.04	12.66	-0.30	3.29	-576.85	-278.79	-294.77	
289.96													
		135	0.73	14.98	1.71	2.47	14.22	3.08	-206.95	-362.75	-207.92	-361.77	12.28
		132	1.28	2.83	-1.79	-1.45	2.49	1.20	752.98	31.86	37.40	747.44	-62.96
62	20	119	0.86	1.69	-16.71	-14.07	-0.94	-6.45	415.82	9.55	17.48	407.88	-56.22
		10	0.56	19.14	-9.78	-9.77	19.13	-0.39	-121.95	-215.97	-200.81	-137.11	34.57
		135	0.67	23.73	2.41	4.20	21.95	5.91	-56.28	-200.67	-68.71	-188.24	-40.49
		132	1.12	1.97	-1.83	-1.44	1.58	1.16	678.59	28.44	215.70	491.33	-
294.42													
62	21	119	0.76	16.27	0.14	12.80	3.61	6.63	89.01	-276.82	30.61	-218.41	
134.00													
		10	0.59	9.19	-13.06	9.18	-13.04	0.57	196.02	19.25	188.86	26.41	34.85
		135	0.38	-1.30	-17.91	-3.59	-15.61	-5.73	74.27	37.91	38.32	73.85	3.85
		132	0.92	2.33	0.36	1.36	1.33	-0.98	26.95	-518.56	-186.06	-305.55	
266.13													
62	22	119	1.20	8.23	-0.32	6.27	1.65	3.60	69.31	-669.87	29.74	-630.29	-
166.39													
		10	0.77	4.47	-6.59	4.45	-6.57	0.48	449.84	1.07	266.85	184.07	-
220.54													
		135	0.48	-0.70	-9.06	-1.86	-7.89	-2.90	272.57	152.35	177.53	247.38	-48.92
		132	0.94	2.02	-0.23	1.37	0.42	-1.02	-5.59	-563.81	-7.75	-561.65	34.68
62	23	119	1.56	2.24	-9.12	-7.83	0.95	-3.60	888.14	-50.10	15.72	822.32	
239.63													
		10	1.03	12.95	-5.29	-5.29	12.94	-0.31	0.50	-572.23	-280.33	-291.41	
286.31													
		135	0.73	15.40	1.78	2.59	14.59	3.21	-203.50	-357.59	-203.89	-357.20	7.79
		132	1.43	2.83	-1.72	-1.40	2.51	1.17	880.95	94.29	128.17	847.07	-
159.72													
62	24	119	0.84	1.67	-16.32	-13.78	-0.87	-6.26	412.14	13.30	20.12	405.32	-51.68
		10	0.54	18.86	-9.53	-9.52	18.85	-0.38	-121.65	-218.09	-199.27	-140.47	38.22
		135	0.67	23.31	2.34	4.08	21.58	5.78	-62.78	-202.78	-72.74	-192.82	-35.99
		132	0.82	1.97	-1.90	-1.48	1.55	1.20	496.77	19.86	124.93	391.70	-
197.66													
62	25	119	0.74	15.87	0.18	12.51	3.54	6.44	83.89	-271.77	27.97	-215.85	
129.46													
		10	0.57	8.94	-12.77	8.93	-12.76	0.56	193.28	23.82	187.33	29.77	31.20
		135	0.38	-1.24	-17.48	-3.47	-15.24	-5.60	78.44	42.34	42.35	78.43	-0.64
		132	0.61	2.39	0.37	1.40	1.36	-1.01	27.58	-328.78	-95.28	-205.92	
169.37													
62	26	119	1.20	8.63	-0.35	6.55	1.72	3.78	69.66	-670.14	32.37	-632.85	-
161.85													
		10	0.77	4.72	-6.87	4.70	-6.85	0.49	445.82	3.27	268.38	180.71	-
216.89													
		135	0.47	-0.76	-9.49	-1.98	-8.26	-3.03	264.50	151.81	173.50	242.81	-44.42
		132	1.11	1.95	-0.23	1.32	0.40	-0.99	-69.35	-690.47	-98.53	-661.28	
131.43													
62	27	119	2.32	9.79	1.78	7.30	4.27	3.71	1203.61	-240.84	25.13	937.64	
559.86													
		10	1.57	5.54	-3.99	5.54	-3.99	0.12	219.66	-797.12	-208.22	-369.24	
501.97													
		135	0.69	0.27	-7.35	-1.72	-5.36	-3.35	-252.34	-444.63	-283.74	-413.22	71.08
		132	1.73	3.23	-0.53	-0.47	3.18	0.47	780.31	-352.82	-249.85	677.34	
325.69													
62	28	119	1.61	0.46	-17.22	-14.47	-2.29	-6.40	290.65	-703.71	22.23	-435.29	-
441.42													
		10	1.18	17.58	-10.25	-10.24	17.58	-0.18	457.20	-249.22	51.72	156.26	-
349.32													
		135	0.55	22.40	2.02	4.04	20.38	6.09	277.86	67.66	180.30	165.22	-
104.83													
		132	1.51	0.30	-0.60	-0.43	0.13	0.35	600.38	-432.23	344.51	-176.35	-
445.81													
62	29	119	1.97	16.85	1.31	13.19	4.96	6.59	924.68	-274.06	25.86	624.76	
519.20													
		10	1.39	9.66	-11.49	9.65	-11.49	0.36	265.59	-596.22	-63.67	-266.96	

418.75													
		135	0.61	-0.81	-16.68	-3.44	-14.05	-5.90	-168.75	-321.55	-210.69	-279.61	68.19
		132	1.57	2.79	0.34	0.35	2.78	-0.17	561.14	-513.87	-314.86	362.13	
417.53													
62	30	119	1.93	-0.12	-10.04	-8.57	-1.59	-3.52	254.69	-979.90	22.96	-748.17	-
482.08													
		10	1.35	10.08	-6.13	-6.13	10.08	0.06	661.07	-206.25	196.28	258.54	-
432.54													
		135	0.65	12.87	1.15	2.33	11.69	3.53	386.18	166.00	253.35	298.83	-
107.72													
		132	1.53	0.50	-0.37	0.39	-0.27	-0.29	417.35	-629.41	279.49	-491.55	-
353.98													
62	31	119	2.31	9.64	1.78	7.19	4.23	3.64	1199.82	-239.23	23.66	936.93	
556.06													
		10	1.56	5.46	-3.88	5.46	-3.88	0.11	218.83	-791.20	-206.09	-366.28	
498.63													
		135	0.69	0.30	-7.20	-1.67	-5.23	-3.30	-252.57	-443.34	-284.15	-411.76	70.90
		132	1.72	3.21	-0.54	-0.48	3.15	0.48	778.74	-349.89	-248.84	677.68	
322.25													
62	32	119	1.62	0.45	-17.36	-14.57	-2.33	-6.47	292.76	-708.01	20.76	-436.00	-
445.22													
		10	1.19	17.69	-10.32	-10.32	17.68	-0.19	463.12	-250.04	53.85	159.23	-
352.67													
		135	0.55	22.54	2.06	4.09	20.51	6.13	278.50	68.07	179.89	166.68	-
105.01													
		132	1.52	0.28	-0.62	-0.44	0.10	0.36	604.21	-434.70	345.52	-176.00	-
449.26													
62	33	119	1.98	16.99	1.31	13.30	5.00	6.65	928.88	-276.07	27.33	625.47	
523.01													
		10	1.40	9.73	-11.60	9.73	-11.59	0.37	266.40	-602.12	-65.80	-269.93	
422.09													
		135	0.61	-0.84	-16.83	-3.49	-14.18	-5.95	-168.69	-322.66	-210.28	-281.07	68.37
		132	1.58	2.82	0.35	0.36	2.80	-0.18	563.35	-517.44	-315.87	361.79	
420.97													
62	34	119	1.92	-0.12	-9.90	-8.47	-1.55	-3.46	253.06	-976.09	24.43	-747.46	-
478.28													
		10	1.34	9.97	-6.05	-6.05	9.97	0.07	655.16	-205.43	194.15	255.58	-
429.20													
		135	0.64	12.72	1.11	2.28	11.56	3.49	385.29	165.84	253.76	297.37	-
107.54													
		132	1.53	0.52	-0.36	0.40	-0.24	-0.29	414.10	-627.52	278.48	-491.90	-
350.53													
62	35	119	2.29	8.47	1.89	6.34	4.02	3.08	1197.41	-234.88	16.35	946.17	
544.73													
		10	1.52	4.71	-3.05	4.70	-3.05	0.09	209.43	-780.82	-213.34	-358.04	
489.81													
		135	0.65	0.50	-5.95	-1.32	-4.12	-2.90	-249.16	-419.12	-270.31	-397.97	56.09
		132	1.70	3.28	-0.35	-0.32	3.25	0.36	1009.45	52.73	52.74	1009.44	3.18
62	36	119	1.56	0.36	-15.92	-13.51	-2.05	-5.78	281.54	-694.35	31.01	-443.83	-
426.29													
		10	1.12	16.64	-9.41	-9.41	16.64	-0.15	440.99	-239.07	56.84	145.07	-
337.16													
		135	0.51	20.98	1.80	3.64	19.15	5.64	248.65	68.18	166.86	149.97	-89.84
		132	0.96	0.29	-0.82	-0.59	0.06	0.45	68.28	-534.81	41.92	-508.45	-
123.30													
62	37	119	1.93	15.53	1.43	12.24	4.72	5.96	915.96	-265.59	17.08	633.30	
504.07													
		10	1.34	8.83	-10.55	8.82	-10.55	0.33	254.92	-579.47	-68.79	-255.77	
406.58													
		135	0.57	-0.59	-15.26	-3.03	-12.82	-5.46	-167.91	-293.71	-197.26	-264.36	53.20
		132	1.24	2.88	0.48	0.51	2.85	-0.27	706.79	-24.83	-12.27	694.24	95.01
62	38	119	1.90	-0.22	-8.75	-7.62	-1.35	-2.90	248.62	-973.58	31.73	-756.70	-
466.94													
		10	1.31	9.14	-5.30	-5.30	9.14	0.10	645.38	-196.63	201.40	247.35	-
420.38													
		135	0.60	11.45	0.92	1.92	10.45	3.09	357.02	166.48	239.92	283.58	-92.73
		132	1.36	0.29	-0.39	0.24	-0.34	-0.18	-21.86	-824.89	-23.10	-823.66	-31.46
62	39	119	2.28	8.33	1.89	6.24	3.98	3.02	1193.68	-233.34	14.88	945.46	
540.92													
		10	1.51	4.63	-2.94	4.63	-2.94	0.08	208.60	-774.90	-211.22	-355.08	
486.46													
		135	0.64	0.54	-5.80	-1.27	-3.99	-2.86	-249.46	-417.77	-270.72	-396.51	55.91

		132	1.70	3.26	-0.37	-0.33	3.22	0.37	1009.79	53.75	53.75	1009.79	-0.27
62	40	119	1.58	0.36	-16.06	-13.62	-2.09	-5.85	283.58	-698.59	29.53	-444.54	-
430.09													
		10	1.13	16.74	-9.49	-9.49	16.74	-0.16	446.90	-239.90	58.97	148.03	-
340.50													
		135	0.51	21.13	1.83	3.69	19.28	5.69	249.28	68.61	166.46	151.43	-90.02
		132	0.97	0.28	-0.84	-0.59	0.03	0.46	70.68	-535.86	42.93	-508.11	-
126.74													
62	41	119	1.94	15.67	1.43	12.34	4.76	6.03	920.11	-267.55	18.56	634.01	
507.87													
		10	1.35	8.90	-10.66	8.90	-10.65	0.34	255.72	-585.37	-70.92	-258.73	
409.93													
		135	0.57	-0.62	-15.40	-3.08	-12.95	-5.50	-167.78	-294.89	-196.85	-265.82	53.38
		132	1.24	2.91	0.48	0.52	2.88	-0.28	707.34	-26.74	-13.28	693.89	98.46
62	42	119	1.89	-0.21	-8.61	-7.51	-1.31	-2.83	247.06	-969.84	33.21	-755.99	-
463.14													
		10	1.29	9.03	-5.22	-5.22	9.03	0.10	639.47	-195.82	199.27	244.38	-
417.04													
		135	0.59	11.31	0.89	1.87	10.32	3.04	356.10	166.34	240.33	282.12	-92.55
		132	1.36	0.31	-0.37	0.25	-0.31	-0.19	-23.13	-824.98	-24.11	-824.00	-28.02
62	43	119	1.28	2.02	-6.62	-5.81	1.21	-2.52	730.96	-38.24	23.82	668.90	
209.49													
		10	0.88	10.37	-3.86	-3.85	10.37	-0.19	5.89	-483.28	-226.51	-250.88	
244.28													
		135	0.60	12.10	1.32	1.86	11.56	2.35	-165.68	-300.86	-165.97	-300.57	6.27
		132	1.04	2.57	-1.34	-1.11	2.34	0.92	612.33	27.61	31.06	608.89	-44.76
62	44	119	0.69	1.58	-12.89	-10.97	-0.35	-4.92	344.02	19.30	21.62	341.70	-27.36
		10	0.44	15.48	-7.60	-7.60	15.48	-0.27	-99.54	-191.25	-163.92	-126.87	41.94
		135	0.56	18.99	1.90	3.23	17.66	4.58	-45.10	-174.45	-55.59	-163.96	-35.31
		132	0.88	1.89	-1.36	-1.10	1.63	0.89	543.22	32.61	170.96	404.87	-
226.94													
62	45	119	0.57	12.45	0.26	9.69	3.02	5.10	75.10	-200.86	26.47	-152.23	
105.14													
		10	0.46	7.02	-9.40	7.01	-9.38	0.45	157.33	10.81	151.98	16.17	27.49
		135	0.27	-0.79	-13.16	-2.63	-11.33	-4.40	49.64	25.12	25.20	49.57	-1.33
		132	0.68	1.87	0.43	1.02	1.28	-0.70	22.22	-382.63	-141.32	-219.09	
198.65													
62	46	119	0.93	6.10	-0.11	4.53	1.46	2.70	56.63	-511.79	24.27	-479.43	-
131.71													
		10	0.61	3.28	-4.29	3.26	-4.28	0.38	356.14	-1.40	214.57	140.18	-
174.86													
		135	0.35	-0.31	-6.18	-1.26	-5.23	-2.16	210.70	111.07	135.58	186.18	-42.91
		132	0.71	1.57	0.03	1.03	0.57	-0.74	-0.77	-423.74	-1.41	-423.10	16.47
62	47	119	1.28	2.04	-6.92	-6.04	1.16	-2.67	730.69	-38.23	21.61	670.85	
205.98													
		10	0.87	10.60	-4.06	-4.05	10.59	-0.20	3.64	-479.57	-227.65	-248.27	
241.38													
		135	0.60	12.43	1.39	1.96	11.85	2.45	-162.67	-297.11	-162.72	-297.06	2.74
		132	1.16	2.58	-1.29	-1.07	2.36	0.89	710.57	78.16	101.97	686.75	-
120.39													
62	48	119	0.67	1.56	-12.59	-10.74	-0.29	-4.77	341.53	22.05	23.84	339.74	-23.85
		10	0.44	15.25	-7.40	-7.40	15.25	-0.26	-98.29	-193.96	-162.78	-129.47	44.84
		135	0.56	18.65	1.84	3.14	17.36	4.48	-50.23	-176.08	-58.84	-167.48	-31.77
		132	0.66	1.88	-1.41	-1.13	1.61	0.91	402.66	24.39	100.05	327.01	-
151.31													
62	49	119	0.56	12.14	0.29	9.46	2.96	4.95	70.94	-196.96	24.25	-150.27	
101.63													
		10	0.45	6.82	-9.17	6.81	-9.16	0.44	155.27	14.34	150.84	18.77	24.59
		135	0.26	-0.74	-12.82	-2.53	-11.03	-4.30	54.01	27.52	28.45	53.09	-4.87
		132	0.44	1.92	0.44	1.05	1.30	-0.73	22.21	-233.83	-70.40	-141.22	
123.02													
62	50	119	0.93	6.42	-0.14	4.76	1.51	2.85	57.01	-511.91	26.48	-481.39	-
128.20													
		10	0.61	3.48	-4.52	3.46	-4.50	0.38	352.98	0.30	215.71	137.57	-
171.96													
		135	0.35	-0.36	-6.52	-1.35	-5.52	-2.27	204.23	110.77	132.33	182.67	-39.37
		132	0.84	1.52	0.03	0.99	0.55	-0.71	-53.38	-519.92	-72.33	-500.97	92.10
62	51	119	1.27	2.01	-6.97	-6.08	1.11	-2.69	722.12	-36.39	19.89	665.84	
198.80													
		10	0.85	10.65	-4.05	-4.05	10.64	-0.21	3.73	-466.48	-220.35	-242.41	
234.85													
		135	0.60	12.48	1.42	2.00	11.90	2.46	-166.51	-296.63	-166.79	-296.36	5.98

		132	1.04	2.52	-1.37	-1.13	2.27	0.94	613.70	28.86	33.88	608.67	-53.96
62	52	119	0.70	1.57	-13.26	-11.24	-0.45	-5.09	343.09	13.24	17.69	338.64	-38.06
		10	0.44	15.76	-7.80	-7.79	15.75	-0.29	-100.08	-176.08	-157.76	-118.40	32.51
		135	0.56	19.37	1.99	3.37	18.00	4.70	-45.33	-170.82	-56.41	-159.74	-35.60
		132	0.90	1.84	-1.39	-1.11	1.56	0.91	552.08	26.37	173.79	404.66	-
236.15													
62	53	119	0.60	12.83	0.25	9.96	3.12	5.27	87.17	-205.95	30.40	-149.17	
115.84													
		10	0.47	7.21	-9.67	7.20	-9.66	0.47	155.07	-1.55	145.82	7.70	36.92
		135	0.27	-0.87	-13.55	-2.76	-11.67	-4.51	45.41	25.96	26.01	45.36	-1.04
		132	0.71	1.93	0.45	1.03	1.35	-0.72	29.68	-392.70	-144.14	-218.88	
207.86													
62	54	119	0.91	6.48	-0.12	4.80	1.56	2.87	55.72	-503.89	28.19	-476.37	-
121.02													
		10	0.59	3.48	-4.57	3.46	-4.55	0.40	339.86	0.25	208.40	131.71	-
165.42													
		135	0.35	-0.39	-6.57	-1.39	-5.57	-2.28	207.51	110.86	136.40	181.97	-42.62
		132	0.71	1.63	0.06	1.05	0.64	-0.76	-2.67	-424.46	-4.24	-422.89	25.68
62	55	119	1.27	2.02	-7.27	-6.31	1.05	-2.84	721.95	-36.47	17.68	667.80	
195.28													
		10	0.84	10.87	-4.25	-4.25	10.87	-0.22	1.49	-462.78	-221.49	-239.80	
231.95													
		135	0.60	12.81	1.48	2.09	12.20	2.56	-163.49	-292.89	-163.54	-292.84	2.44
		132	1.17	2.52	-1.32	-1.09	2.29	0.92	714.10	77.23	104.80	686.54	-
129.59													
62	56	119	0.69	1.55	-12.95	-11.01	-0.39	-4.94	340.41	16.18	19.91	336.68	-34.54
		10	0.43	15.53	-7.60	-7.59	15.53	-0.28	-99.18	-178.44	-156.62	-121.00	35.40
		135	0.56	19.04	1.93	3.27	17.70	4.59	-50.53	-172.38	-59.65	-163.26	-32.06
		132	0.67	1.83	-1.44	-1.15	1.54	0.93	410.54	19.12	102.87	326.79	-
160.52													
62	57	119	0.59	12.51	0.28	9.73	3.06	5.12	82.99	-202.02	28.18	-147.21	
112.32													
		10	0.46	7.02	-9.45	7.00	-9.43	0.46	152.80	2.18	144.67	10.30	34.02
		135	0.26	-0.82	-13.21	-2.66	-11.37	-4.41	49.89	28.25	29.26	48.87	-4.58
		132	0.46	1.98	0.46	1.07	1.37	-0.75	29.39	-243.62	-73.23	-141.01	
132.23													
62	58	119	0.91	6.80	-0.15	5.03	1.62	3.02	56.24	-504.16	30.41	-478.33	-
117.50													
		10	0.58	3.68	-4.80	3.66	-4.78	0.40	336.75	1.90	209.54	129.10	-
162.52													
		135	0.35	-0.44	-6.91	-1.49	-5.86	-2.38	200.97	110.63	133.15	178.45	-39.08
		132	0.84	1.57	0.06	1.01	0.62	-0.73	-52.27	-523.64	-75.15	-500.76	
101.31													
62	59	119	1.88	7.76	1.54	5.64	3.66	2.95	976.02	-185.47	27.32	763.23	
449.30													
		10	1.26	4.31	-2.51	4.31	-2.51	0.11	175.49	-644.64	-167.06	-302.09	
404.47													
		135	0.55	0.42	-5.29	-1.31	-3.56	-2.62	-207.01	-358.24	-227.84	-337.40	52.12
		132	1.39	2.85	-0.43	-0.38	2.81	0.39	634.50	-269.89	-192.50	557.11	
252.99													
62	60	119	1.24	0.57	-13.66	-11.56	-1.53	-5.05	228.27	-535.72	19.97	-327.42	-
340.22													
		10	0.91	14.52	-8.16	-8.16	14.52	-0.12	348.67	-195.82	41.56	111.28	-
270.00													
		135	0.45	18.31	1.71	3.26	16.76	4.83	216.22	41.85	140.10	117.97	-86.48
		132	1.19	0.51	-0.43	-0.34	0.42	0.28	481.52	-330.60	273.86	-122.94	-
354.30													
62	61	119	1.60	13.30	1.19	10.29	4.20	5.23	756.70	-211.69	28.12	516.89	
418.00													
		10	1.12	7.58	-8.44	7.57	-8.43	0.31	211.98	-487.47	-53.51	-221.98	
339.43													
		135	0.49	-0.48	-12.60	-2.65	-10.43	-4.65	-142.77	-260.09	-170.49	-232.36	49.84
		132	1.26	2.49	0.25	0.26	2.49	-0.10	459.70	-395.20	-244.21	308.72	
326.01													
62	62	119	1.48	0.10	-8.00	-6.91	-0.99	-2.76	199.31	-752.31	20.77	-573.76	-
371.52													
		10	1.05	8.60	-4.90	-4.90	8.60	0.07	508.78	-162.28	155.11	191.39	-
335.04													
		135	0.51	10.78	1.02	1.91	9.90	2.81	299.91	120.56	197.45	223.02	-88.76
		132	1.19	0.43	-0.03	0.30	0.10	-0.21	334.27	-483.45	222.15	-371.33	-
281.27													
62	63	119	1.87	7.64	1.54	5.56	3.63	2.89	972.58	-184.12	26.14	762.31	

446.09													
		10	1.25	4.25	-2.43	4.25	-2.42	0.11	174.84	-639.60	-165.21	-299.55	
401.64													
		135	0.55	0.45	-5.18	-1.27	-3.46	-2.59	-207.11	-357.12	-228.09	-336.14	52.04
		132	1.38	2.83	-0.43	-0.39	2.79	0.40	632.98	-267.58	-191.65	557.05	
250.22													
62	64	119	1.25	0.57	-13.77	-11.64	-1.56	-5.10	230.02	-539.57	18.79	-328.34	-
343.43													
		10	0.92	14.61	-8.22	-8.22	14.61	-0.13	353.71	-196.48	43.41	113.82	-
272.83													
		135	0.45	18.43	1.73	3.30	16.86	4.86	216.73	42.37	139.86	119.24	-86.57
		132	1.20	0.50	-0.44	-0.34	0.40	0.29	484.55	-332.84	274.71	-123.00	-
357.06													
62	65	119	1.61	13.41	1.19	10.37	4.23	5.28	760.46	-213.35	29.29	517.81	
421.21													
		10	1.13	7.63	-8.52	7.63	-8.51	0.31	212.62	-492.49	-55.36	-224.52	
342.26													
		135	0.49	-0.51	-12.72	-2.69	-10.53	-4.68	-142.80	-261.07	-170.25	-233.63	49.93
		132	1.26	2.51	0.26	0.26	2.51	-0.10	461.72	-398.00	-245.06	308.78	
328.77													
62	66	119	1.48	0.10	-7.89	-6.83	-0.96	-2.71	197.94	-748.84	21.95	-572.84	-
368.31													
		10	1.04	8.52	-4.84	-4.84	8.52	0.08	503.74	-161.63	153.26	188.85	-
332.21													
		135	0.50	10.67	1.00	1.87	9.79	2.77	299.21	120.24	197.70	221.75	-88.67
		132	1.19	0.45	-0.02	0.31	0.12	-0.21	331.65	-481.62	221.30	-371.26	-
278.51													
62	67	119	1.85	6.72	1.63	4.88	3.47	2.45	971.08	-181.39	19.93	769.76	
437.59													
		10	1.23	3.65	-1.75	3.65	-1.75	0.09	167.40	-631.67	-170.86	-293.41	
394.81													
		135	0.52	0.63	-4.19	-0.98	-2.58	-2.27	-203.68	-339.01	-217.02	-325.68	40.33
		132	1.38	2.89	-0.28	-0.25	2.86	0.30	816.67	43.89	43.89	816.66	0.89
62	68	119	1.20	0.49	-12.63	-10.80	-1.34	-4.55	221.60	-528.20	27.36	-333.95	-
328.50													
		10	0.87	13.77	-7.50	-7.50	13.77	-0.10	335.90	-187.93	45.37	102.60	-
260.34													
		135	0.41	17.18	1.53	2.94	15.77	4.48	193.33	42.19	129.27	106.25	-74.69
		132	0.75	0.50	-0.60	-0.46	0.36	0.36	61.02	-406.04	37.47	-382.49	-
102.20													
62	69	119	1.57	12.25	1.29	9.53	4.01	4.73	749.82	-205.67	20.73	523.42	
406.28													
		10	1.08	6.91	-7.68	6.91	-7.68	0.28	203.56	-474.17	-57.31	-213.30	
329.77													
		135	0.46	-0.31	-11.46	-2.33	-9.44	-4.30	-141.40	-238.91	-159.66	-220.64	38.05
		132	1.01	2.56	0.37	0.38	2.55	-0.18	577.60	-17.15	-7.82	568.27	73.91
62	70	119	1.46	0.03	-6.98	-6.15	-0.80	-2.26	195.12	-747.25	28.16	-580.29	-
359.81													
		10	1.01	7.84	-4.24	-4.24	7.84	0.10	496.41	-154.79	158.92	182.71	-
325.38													
		135	0.47	9.65	0.84	1.59	8.91	2.45	276.91	121.01	186.62	211.29	-76.97
		132	1.04	0.25	-0.03	0.17	0.05	-0.12	-12.87	-632.26	-14.25	-630.88	-29.17
62	71	119	1.85	6.61	1.63	4.79	3.44	2.40	967.68	-180.09	18.75	768.85	
434.38													
		10	1.22	3.59	-1.67	3.59	-1.67	0.08	166.75	-626.63	-169.01	-290.87	
391.98													
		135	0.51	0.66	-4.07	-0.94	-2.47	-2.24	-203.83	-337.85	-217.26	-324.42	40.24
		132	1.37	2.87	-0.29	-0.26	2.84	0.31	816.61	44.73	44.74	816.60	-1.87
62	72	119	1.21	0.49	-12.74	-10.88	-1.37	-4.60	223.31	-532.00	26.18	-334.87	-
331.71													
		10	0.88	13.85	-7.56	-7.56	13.85	-0.10	340.94	-188.58	47.22	105.14	-
263.17													
		135	0.41	17.30	1.55	2.98	15.88	4.51	193.82	42.73	129.03	107.51	-74.77
		132	0.75	0.49	-0.61	-0.47	0.34	0.37	63.04	-407.28	38.31	-382.55	-
104.96													
62	73	119	1.58	12.36	1.29	9.61	4.04	4.79	753.53	-207.29	21.91	524.34	
409.49													
		10	1.09	6.97	-7.76	6.97	-7.76	0.28	204.20	-479.20	-59.16	-215.84	
332.60													
		135	0.46	-0.33	-11.58	-2.37	-9.54	-4.33	-141.36	-239.96	-159.42	-221.90	38.14
		132	1.02	2.58	0.37	0.39	2.57	-0.19	578.35	-18.68	-8.67	568.34	76.67
62	74	119	1.45	0.03	-6.87	-6.07	-0.77	-2.21	193.80	-743.84	29.34	-579.38	-

356.60													
		10	1.00	7.76	-4.18	-4.18	7.76	0.10	491.38	-154.14	157.07	180.17	-
322.55													
		135	0.46	9.54	0.81	1.55	8.81	2.42	276.20	120.70	186.87	210.03	-76.88
		132	1.04	0.26	-0.02	0.18	0.07	-0.13	-13.96	-631.95	-15.09	-630.82	-26.41
62	75	119	1.09	1.86	-5.54	-4.91	1.23	-2.07	624.15	-30.27	23.91	569.96	
180.35													
		10	0.75	9.10	-3.24	-3.24	9.10	-0.14	5.79	-411.88	-188.68	-217.42	
208.34													
		135	0.52	10.53	1.16	1.59	10.10	1.96	-140.00	-258.77	-140.03	-258.73	2.01
		132	0.89	2.37	-1.11	-0.93	2.19	0.78	523.06	25.00	28.12	519.94	-39.29
62	76	119	0.59	1.48	-10.71	-9.18	-0.05	-4.05	300.45	21.31	22.17	299.59	-15.47
		10	0.39	13.32	-6.33	-6.33	13.32	-0.20	-83.36	-168.50	-136.98	-114.88	41.11
		135	0.49	16.21	1.65	2.72	15.14	3.80	-39.00	-155.58	-48.81	-145.77	-32.37
		132	0.75	1.80	-1.12	-0.92	1.60	0.75	464.04	31.18	143.82	351.39	-
189.92													
62	77	119	0.48	10.27	0.35	7.90	2.72	4.23	73.32	-157.52	25.91	-110.12	93.25
		10	0.39	5.75	-7.24	5.74	-7.23	0.39	131.34	-2.13	125.04	4.18	28.32
		135	0.20	-0.53	-10.40	-2.12	-8.81	-3.62	32.66	17.14	18.42	31.38	-4.27
		132	0.55	1.69	0.46	0.84	1.31	-0.57	23.78	-303.56	-114.18	-165.61	
161.64													
62	78	119	0.74	5.04	0.03	3.64	1.44	2.25	48.69	-405.00	24.17	-380.49	-
102.57													
		10	0.49	2.66	-3.02	2.65	-3.01	0.33	284.98	-1.53	176.73	106.72	-
138.91													
		135	0.27	-0.13	-4.63	-0.99	-3.77	-1.77	169.35	84.63	109.64	144.34	-38.64
		132	0.57	1.38	0.19	0.85	0.72	-0.59	1.89	-334.52	1.53	-334.16	11.00
62	79	119	1.09	1.87	-5.79	-5.10	1.19	-2.19	623.90	-30.22	22.09	571.59	
177.44													
		10	0.75	9.29	-3.40	-3.40	9.28	-0.15	3.90	-408.79	-189.62	-215.26	
205.95													
		135	0.52	10.80	1.22	1.67	10.35	2.04	-137.35	-255.83	-137.35	-255.82	-0.92
		132	0.99	2.38	-1.07	-0.90	2.20	0.76	604.40	66.74	86.78	584.36	-
101.85													
62	80	119	0.58	1.47	-10.46	-8.99	-6.30e-03	-3.93	298.53	23.42	24.00	297.96	-12.56
		10	0.39	13.13	-6.17	-6.16	13.13	-0.20	-82.01	-171.06	-136.03	-117.03	43.50
		135	0.49	15.94	1.60	2.64	14.90	3.72	-43.27	-156.91	-51.49	-148.68	-29.44
		132	0.57	1.80	-1.16	-0.95	1.58	0.77	348.56	23.57	85.16	286.98	-
127.36													
62	81	119	0.46	10.01	0.38	7.71	2.68	4.11	69.85	-154.25	24.09	-108.49	90.34
		10	0.37	5.59	-7.05	5.57	-7.04	0.38	129.54	0.88	124.09	6.33	25.93
		135	0.19	-0.49	-10.11	-2.04	-8.57	-3.53	37.46	17.93	21.10	34.29	-7.20
		132	0.35	1.73	0.47	0.87	1.33	-0.59	23.32	-180.03	-55.51	-101.20	99.08
62	82	119	0.74	5.30	9.69e-03	3.83	1.48	2.37	49.03	-405.15	26.00	-382.12	-99.66
		10	0.49	2.83	-3.21	2.81	-3.19	0.33	282.45	-0.21	177.68	104.57	-
136.52													
		135	0.27	-0.17	-4.92	-1.07	-4.02	-1.86	163.86	84.54	106.96	141.43	-35.72
		132	0.67	1.34	0.18	0.82	0.71	-0.57	-41.96	-413.75	-57.14	-398.57	73.56
62	83	119	1.08	1.85	-5.83	-5.13	1.15	-2.21	616.80	-28.69	20.65	567.45	
171.51													
		10	0.73	9.33	-3.40	-3.40	9.33	-0.16	4.00	-397.97	-183.55	-210.42	
200.54													
		135	0.52	10.84	1.24	1.70	10.38	2.05	-140.67	-255.24	-140.70	-255.21	1.73
		132	0.89	2.33	-1.13	-0.94	2.13	0.80	524.26	25.99	30.44	519.80	-46.91
62	84	119	0.60	1.48	-11.01	-9.40	-0.14	-4.19	299.18	16.80	18.91	297.08	-24.30
		10	0.38	13.55	-6.49	-6.49	13.55	-0.22	-84.47	-155.27	-131.86	-107.87	33.31
		135	0.49	16.53	1.73	2.84	15.42	3.90	-39.14	-152.58	-49.47	-142.25	-32.64
		132	0.77	1.76	-1.15	-0.93	1.54	0.77	471.27	26.12	146.15	351.25	-
197.55													
62	85	119	0.50	10.58	0.35	8.12	2.81	4.37	83.66	-162.09	29.18	-107.61	
102.08													
		10	0.40	5.91	-7.47	5.90	-7.46	0.40	129.76	-12.67	119.92	-2.83	36.12
		135	0.20	-0.61	-10.72	-2.23	-9.09	-3.71	29.41	17.54	19.08	27.86	-4.00
		132	0.57	1.75	0.47	0.85	1.37	-0.59	30.03	-312.00	-116.51	-165.46	
169.26													
62	86	119	0.73	5.35	0.03	3.86	1.52	2.39	48.06	-398.60	27.44	-377.98	-93.73
		10	0.47	2.83	-3.25	2.81	-3.23	0.34	271.61	-0.29	171.61	99.72	-
131.11													
		135	0.27	-0.20	-4.96	-1.10	-4.05	-1.87	166.86	84.27	110.31	140.82	-38.37
		132	0.57	1.43	0.20	0.86	0.78	-0.61	0.24	-335.05	-0.80	-334.02	18.62
62	87	119	1.08	1.86	-6.08	-5.32	1.10	-2.33	616.63	-28.72	18.83	569.08	
168.60													

		10	0.72	9.51	-3.56	-3.56	9.51	-0.17	2.12	-394.88	-184.50	-208.26	
198.15													
		135	0.52	11.12	1.30	1.78	10.63	2.14	-138.00	-252.31	-138.02	-252.30	-1.19
		132	0.99	2.33	-1.09	-0.91	2.15	0.77	607.34	65.98	89.11	584.21	-
109.47													
62	88	119	0.59	1.46	-10.76	-9.21	-0.09	-4.07	297.11	19.08	20.73	295.45	-21.39
		10	0.38	13.36	-6.33	-6.33	13.36	-0.21	-83.28	-157.66	-130.91	-110.03	35.70
		135	0.48	16.25	1.68	2.76	15.18	3.81	-43.47	-153.84	-52.15	-145.16	-29.72
		132	0.58	1.76	-1.19	-0.96	1.53	0.79	354.96	19.36	87.49	286.84	-
134.99													
62	89	119	0.49	10.32	0.37	7.94	2.76	4.25	80.19	-158.81	27.35	-105.98	99.17
		10	0.39	5.75	-7.28	5.74	-7.27	0.40	127.82	-9.53	118.97	-0.67	33.73
		135	0.19	-0.56	-10.44	-2.15	-8.85	-3.63	34.53	18.01	21.76	30.77	-6.92
		132	0.37	1.79	0.48	0.88	1.38	-0.61	29.42	-188.31	-57.84	-101.05	
106.70													
62	90	119	0.73	5.61	5.89e-03	4.05	1.57	2.51	48.53	-398.87	29.26	-379.61	-90.82
		10	0.47	2.99	-3.44	2.97	-3.42	0.35	269.13	0.99	172.56	97.56	-
128.72													
		135	0.27	-0.24	-5.24	-1.18	-4.30	-1.95	161.31	84.23	107.63	137.91	-35.44
		132	0.68	1.39	0.20	0.83	0.76	-0.59	-41.02	-416.87	-59.46	-398.43	81.18
62	91	119	1.59	6.44	1.37	4.55	3.26	2.45	826.34	-152.32	26.64	647.37	
378.31													
		10	1.06	3.52	-1.55	3.51	-1.54	0.11	146.37	-545.05	-139.18	-259.49	
340.44													
		135	0.46	0.55	-3.97	-1.03	-2.40	-2.15	-176.81	-303.18	-191.01	-288.98	39.91
		132	1.17	2.61	-0.36	-0.32	2.57	0.34	538.18	-218.21	-156.67	476.64	
206.77													
62	92	119	0.99	0.64	-11.34	-9.67	-1.04	-4.16	190.34	-423.38	20.84	-253.88	-
274.40													
		10	0.73	12.53	-6.80	-6.80	12.53	-0.09	276.11	-160.67	33.12	82.32	-
217.00													
		135	0.39	15.65	1.50	2.75	14.40	4.01	176.07	24.57	113.08	87.56	-74.67
		132	0.99	0.66	-0.35	-0.29	0.60	0.25	406.43	-262.62	229.01	-85.19	-
295.34													
62	93	119	1.35	10.98	1.12	8.39	3.71	4.34	644.34	-173.75	27.24	443.35	
352.18													
		10	0.95	6.21	-6.45	6.21	-6.44	0.27	176.79	-414.87	-45.07	-193.01	
286.43													
		135	0.41	-0.27	-9.95	-2.14	-8.07	-3.83	-124.74	-220.68	-143.47	-201.95	38.03
		132	1.05	2.31	0.21	0.21	2.31	-0.06	391.65	-320.03	-199.36	270.98	
267.05													
62	94	119	1.19	0.26	-6.67	-5.82	-0.59	-2.27	166.17	-602.63	21.44	-457.90	-
300.53													
		10	0.85	7.64	-4.10	-4.10	7.63	0.07	409.24	-133.21	127.24	148.79	-
271.01													
		135	0.42	9.43	0.93	1.63	8.73	2.34	244.47	90.74	160.61	174.59	-76.55
		132	0.97	0.45	0.13	0.24	0.34	-0.16	282.66	-387.20	186.32	-290.86	-
235.06													
62	95	119	1.58	6.34	1.37	4.48	3.23	2.41	823.50	-151.21	25.67	646.62	
375.66													
		10	1.06	3.47	-1.48	3.46	-1.47	0.10	145.84	-540.88	-137.65	-257.39	
338.10													
		135	0.46	0.57	-3.88	-0.99	-2.31	-2.12	-176.91	-302.22	-191.20	-287.93	39.83
		132	1.16	2.60	-0.37	-0.33	2.56	0.34	536.95	-216.32	-155.98	476.60	
204.49													
62	96	119	1.00	0.64	-11.43	-9.73	-1.06	-4.20	191.80	-426.57	19.86	-254.63	-
277.05													
		10	0.74	12.60	-6.84	-6.84	12.60	-0.09	280.29	-161.21	34.66	84.42	-
219.35													
		135	0.39	15.74	1.52	2.78	14.49	4.04	176.47	25.02	112.88	88.61	-74.75
		132	0.99	0.65	-0.36	-0.29	0.58	0.25	408.95	-264.48	229.71	-85.24	-
297.62													
62	97	119	1.36	11.07	1.12	8.46	3.73	4.38	647.43	-175.11	28.22	444.10	
354.83													
		10	0.95	6.26	-6.52	6.25	-6.51	0.27	177.31	-419.03	-46.61	-195.12	
288.77													
		135	0.41	-0.29	-10.04	-2.17	-8.16	-3.85	-124.72	-221.56	-143.27	-203.00	38.11
		132	1.05	2.33	0.21	0.21	2.33	-0.07	393.28	-322.32	-200.06	271.02	
269.34													
62	98	119	1.19	0.26	-6.58	-5.76	-0.56	-2.23	165.04	-599.76	22.42	-457.15	-
297.88													
		10	0.84	7.57	-4.06	-4.05	7.57	0.08	405.07	-132.68	125.70	146.69	-

268.67													
		135	0.41	9.33	0.91	1.60	8.64	2.31	243.91	90.44	160.81	173.54	-76.47
		132	0.97	0.47	0.13	0.25	0.35	-0.16	280.47	-385.66	185.62	-290.82	-
232.77													
62	99	119	1.57	5.59	1.43	3.92	3.10	2.04	822.28	-148.91	20.57	652.79	
368.61													
		10	1.03	2.97	-0.92	2.97	-0.92	0.09	139.65	-534.31	-142.35	-252.31	
332.46													
		135	0.43	0.74	-3.08	-0.76	-1.58	-1.86	-173.47	-287.88	-182.07	-279.28	30.16
		132	1.17	2.65	-0.24	-0.22	2.62	0.27	691.36	38.87	38.87	691.35	-1.76
62	100	119	0.96	0.58	-10.50	-9.04	-0.88	-3.75	184.72	-417.10	26.92	-259.30	-
264.70													
		10	0.70	11.91	-6.25	-6.25	11.91	-0.06	265.64	-154.22	36.29	75.14	-
209.03													
		135	0.36	14.72	1.35	2.48	13.59	3.72	157.23	24.77	104.14	77.86	-64.91
		132	0.60	0.65	-0.49	-0.39	0.55	0.32	54.71	-321.15	33.46	-299.90	-86.81
62	101	119	1.33	10.11	1.20	7.76	3.55	3.93	638.71	-168.77	21.17	448.77	
342.48													
		10	0.91	5.66	-5.82	5.66	-5.82	0.25	169.79	-403.86	-48.23	-185.83	
278.46													
		135	0.38	-0.12	-9.01	-1.87	-7.26	-3.54	-122.99	-203.79	-134.53	-192.24	28.28
		132	0.87	2.37	0.30	0.31	2.36	-0.14	492.58	-10.72	-3.82	485.68	58.52
62	102	119	1.17	0.21	-5.83	-5.19	-0.43	-1.86	162.65	-598.45	27.52	-463.32	-
290.83													
		10	0.82	7.01	-3.56	-3.56	7.01	0.10	399.10	-127.08	130.40	141.61	-
263.03													
		135	0.38	8.50	0.78	1.37	7.91	2.04	225.41	91.16	151.68	164.89	-66.80
		132	0.84	0.33	0.10	0.14	0.29	-0.09	-7.81	-506.98	-9.23	-505.57	-26.53
62	103	119	1.56	5.50	1.43	3.85	3.07	2.00	819.47	-147.85	19.59	652.04	
365.96													
		10	1.03	2.92	-0.85	2.92	-0.85	0.08	139.11	-530.13	-140.81	-250.21	
330.12													
		135	0.43	0.76	-2.99	-0.73	-1.50	-1.83	-173.62	-286.87	-182.27	-278.22	30.08
		132	1.17	2.63	-0.25	-0.22	2.60	0.27	691.33	39.54	39.57	691.31	-4.05
62	104	119	0.97	0.58	-10.59	-9.10	-0.90	-3.79	186.14	-420.25	25.94	-260.05	-
267.35													
		10	0.71	11.98	-6.30	-6.30	11.98	-0.07	269.82	-154.75	37.83	77.24	-
211.37													
		135	0.36	14.81	1.37	2.51	13.67	3.75	157.62	25.24	103.94	78.91	-65.00
		132	0.61	0.64	-0.50	-0.39	0.54	0.32	56.43	-322.22	34.16	-299.94	-89.09
62	105	119	1.33	10.21	1.20	7.83	3.57	3.97	641.76	-170.10	22.15	449.52	
345.13													
		10	0.92	5.71	-5.89	5.71	-5.89	0.25	170.32	-408.02	-49.77	-187.94	
280.80													
		135	0.39	-0.14	-9.10	-1.91	-7.34	-3.56	-122.91	-204.73	-134.33	-193.30	28.36
		132	0.87	2.38	0.31	0.32	2.37	-0.14	493.16	-11.94	-4.52	485.73	60.81
62	106	119	1.17	0.21	-5.74	-5.13	-0.40	-1.81	161.56	-595.63	28.50	-462.57	-
288.18													
		10	0.81	6.94	-3.51	-3.51	6.94	0.10	394.94	-126.56	128.87	139.51	-
260.69													
		135	0.38	8.40	0.76	1.33	7.83	2.02	224.84	90.87	151.88	163.83	-66.71
		132	0.84	0.35	0.10	0.14	0.31	-0.09	-8.74	-506.71	-9.93	-505.52	-24.24
64	1	47	0.09	0.05	-0.03	0.02	-9.14e-03	-0.04	15.16	-45.61	14.80	-45.25	4.63
		101	0.05	0.05	-0.03	0.02	1.44e-03	-0.04	20.76	-16.21	20.64	-16.09	-2.15
		138	0.05	2.10e-04	-0.09	-0.07	-0.02	-0.04	7.18	-22.72	3.89	-19.43	9.36
		136	0.09	-8.56e-03	-0.09	-0.07	-0.03	-0.04	3.10	-53.64	-1.94	-48.60	16.14
64	2	47	0.44	0.31	-0.29	0.12	-0.10	-0.28	13.36	-250.18	-14.03	-222.79	-80.42
		101	0.33	0.37	-0.20	0.15	0.02	-0.28	168.16	-41.74	46.51	79.91	-
103.61													
		138	0.13	-0.02	-0.79	-0.67	-0.14	-0.28	71.53	-13.72	-10.67	68.48	15.83
		136	0.37	-0.12	-0.83	-0.69	-0.26	-0.28	-62.35	-243.08	-71.21	-234.22	39.02
64	3	47	0.07	0.03	-0.02	0.01	-5.34e-03	-0.02	12.54	-32.07	11.93	-31.46	5.17
		101	0.04	0.03	-0.02	0.02	7.21e-04	-0.02	15.39	-14.19	15.39	-14.19	0.26
		138	0.04	6.06e-04	-0.06	-0.04	-0.01	-0.02	5.53	-18.87	3.27	-16.61	7.07
		136	0.07	-4.37e-03	-0.06	-0.05	-0.02	-0.02	3.64	-37.71	-0.18	-33.88	11.99
64	4	47	0.41	0.30	-0.28	0.11	-0.10	-0.27	11.98	-237.87	-16.90	-208.99	-79.89
		101	0.32	0.35	-0.19	0.14	0.02	-0.27	164.74	-41.67	41.26	81.81	-
101.20													
		138	0.14	-0.02	-0.76	-0.64	-0.13	-0.27	73.47	-13.46	-11.29	71.31	13.55
		136	0.34	-0.12	-0.80	-0.67	-0.25	-0.27	-61.75	-227.20	-69.45	-219.50	34.86
64	5	47	0.07	0.03	-0.02	0.02	-6.30e-03	-0.03	12.02	-33.75	11.62	-33.35	4.26
		101	0.04	0.04	-0.02	0.02	9.38e-04	-0.03	15.68	-13.19	15.66	-13.16	-0.82

		138	0.04	3.52e-04	-0.06	-0.05	-0.01	-0.03	5.52	-18.08	3.11	-15.67	7.14
		136	0.07	-5.62e-03	-0.07	-0.05	-0.02	-0.03	2.93	-39.72	-0.92	-35.86	12.23
64	6	47	0.29	0.21	-0.19	0.08	-0.07	-0.19	9.46	-168.77	-7.60	-151.71	-52.44
		101	0.22	0.25	-0.14	0.10	0.01	-0.19	110.92	-27.17	32.91	50.84	-68.46
		138	0.09	-0.01	-0.53	-0.45	-0.09	-0.19	45.46	-9.12	-6.59	42.94	11.46
		136	0.25	-0.08	-0.56	-0.47	-0.18	-0.19	-40.75	-165.96	-47.10	-159.61	27.48
64	7	47	0.07	0.03	-0.02	0.02	-6.30e-03	-0.03	12.02	-33.75	11.62	-33.35	4.26
		101	0.04	0.04	-0.02	0.02	9.38e-04	-0.03	15.68	-13.19	15.66	-13.16	-0.82
		138	0.04	3.52e-04	-0.06	-0.05	-0.01	-0.03	5.52	-18.08	3.11	-15.67	7.14
		136	0.07	-5.62e-03	-0.07	-0.05	-0.02	-0.03	2.93	-39.72	-0.92	-35.86	12.23
64	8	47	0.22	0.16	-0.14	0.06	-0.05	-0.14	8.25	-126.29	-1.83	-116.20	-35.43
		101	0.15	0.19	-0.10	0.07	0.01	-0.14	77.89	-18.52	27.73	31.64	-48.17
		138	0.06	-9.40e-03	-0.39	-0.33	-0.07	-0.14	28.56	-6.89	-3.68	25.36	10.17
		136	0.20	-0.06	-0.41	-0.34	-0.13	-0.14	-27.71	-128.02	-33.25	-122.48	22.91
64	9	47	0.07	0.03	-0.02	0.02	-6.30e-03	-0.03	12.02	-33.75	11.62	-33.35	4.26
		101	0.04	0.04	-0.02	0.02	9.38e-04	-0.03	15.68	-13.19	15.66	-13.16	-0.82
		138	0.04	3.52e-04	-0.06	-0.05	-0.01	-0.03	5.52	-18.08	3.11	-15.67	7.14
		136	0.07	-5.62e-03	-0.07	-0.05	-0.02	-0.03	2.93	-39.72	-0.92	-35.86	12.23
64	10	47	0.20	0.14	-0.13	0.06	-0.04	-0.12	7.97	-112.25	0.09	-104.37	-29.76
		101	0.13	0.16	-0.09	0.07	9.08e-03	-0.12	67.03	-15.78	26.01	25.24	-41.41
		138	0.05	-8.04e-03	-0.34	-0.29	-0.06	-0.12	23.16	-6.37	-2.71	19.49	9.73
		136	0.18	-0.05	-0.36	-0.30	-0.11	-0.12	-23.36	-115.38	-28.63	-110.11	21.38
64	11	47	0.45	0.40	-0.21	0.15	0.03	-0.30	23.20	-255.51	-34.04	-198.27	-
112.59													
		101	0.28	0.74	-0.47	0.10	0.17	-0.60	136.87	-31.92	21.75	83.20	-78.61
		138	0.17	0.23	-1.17	-0.84	-0.10	-0.59	109.45	59.34	100.09	68.69	19.52
		136	0.28	-0.02	-0.82	-0.74	-0.10	-0.25	29.64	-146.03	26.84	-143.23	-22.00
64	12	47	0.47	0.69	0.03	0.03	0.69	-2.15e-03	249.14	-56.54	65.30	127.30	
149.67													
		101	0.54	0.21	-0.14	-0.13	0.20	0.06	70.95	-281.16	-2.25	-207.95	
142.89													
		138	0.39	0.24	-0.18	-0.07	0.13	-0.19	-23.83	-243.88	-23.86	-243.85	-2.54
		136	0.27	0.83	0.10	0.19	0.74	-0.24	163.69	26.01	26.15	163.55	-4.27
64	13	47	0.81	0.14	-0.84	0.08	-0.77	-0.24	48.63	-449.79	-65.12	-336.03	-
209.19													
		101	0.77	0.42	-0.34	0.26	-0.18	-0.31	404.06	-91.36	54.27	258.42	-
225.70													
		138	0.46	-0.24	-0.52	-0.51	-0.25	-0.06	284.66	16.62	18.44	282.84	22.01
		136	0.61	-0.79	-0.96	-0.79	-0.96	-7.55e-03	-76.22	-390.96	-83.41	-383.77	47.03
64	14	47	0.17	-0.01	-0.14	-0.04	-0.12	0.05	69.46	-45.70	34.22	-10.46	53.07
		101	0.09	0.31	-0.43	0.04	-0.15	0.36	30.55	-33.01	30.27	-32.73	-4.21
		138	0.16	0.49	-0.26	0.26	-0.03	0.35	-29.70	-105.52	-105.52	-29.70	-0.05
		136	0.23	0.14	-0.12	0.14	-0.12	2.97e-03	-15.69	-145.41	-84.10	-76.99	64.76
64	15	47	0.47	0.35	-0.24	0.11	-8.26e-03	-0.29	23.74	-266.49	-38.11	-204.64	-
118.85													
		101	0.28	0.74	-0.48	0.09	0.17	-0.61	138.66	-35.27	19.15	84.24	-80.65
		138	0.19	0.23	-1.16	-0.84	-0.09	-0.59	117.05	62.77	107.77	72.04	20.43
		136	0.29	-0.03	-0.83	-0.75	-0.11	-0.25	36.43	-151.18	33.01	-147.77	-25.08
64	16	47	0.49	0.73	0.07	0.07	0.73	-0.01	260.73	-57.68	69.38	133.67	
155.93													
		101	0.55	0.22	-0.13	-0.12	0.20	0.07	74.45	-283.09	0.34	-208.98	
144.93													
		138	0.39	0.24	-0.19	-0.07	0.13	-0.19	-31.48	-247.26	-31.54	-247.21	-3.45
		136	0.28	0.83	0.11	0.20	0.75	-0.24	168.11	19.97	19.98	168.10	-1.19
64	17	47	0.83	0.10	-0.87	0.04	-0.81	-0.23	49.30	-460.90	-69.20	-342.40	-
215.45													
		101	0.77	0.41	-0.35	0.25	-0.18	-0.31	405.89	-94.75	51.68	259.46	-
227.74													
		138	0.46	-0.24	-0.52	-0.51	-0.25	-0.05	288.20	24.11	26.12	286.20	22.92
		136	0.62	-0.80	-0.97	-0.80	-0.97	-8.92e-03	-71.15	-394.40	-77.24	-388.31	43.95
64	18	47	0.19	0.01	-0.09	-3.49e-03	-0.08	0.04	80.10	-45.90	38.29	-4.09	59.33
		101	0.10	0.32	-0.43	0.04	-0.15	0.36	32.94	-33.83	32.87	-33.76	-2.17
		138	0.17	0.48	-0.26	0.26	-0.03	0.34	-33.04	-113.21	-113.20	-33.05	-0.96
		136	0.24	0.15	-0.11	0.15	-0.11	4.34e-03	-12.93	-149.79	-90.27	-72.45	67.85
64	19	47	0.47	0.38	-0.21	0.13	0.03	-0.29	23.92	-267.29	-39.67	-203.71	-
120.30													
		101	0.27	0.72	-0.45	0.09	0.18	-0.58	130.93	-33.20	17.26	80.47	-75.74
		138	0.18	0.30	-0.63	-0.54	0.21	-0.28	121.23	61.92	112.95	70.20	20.56
		136	0.28	-0.02	-0.82	-0.72	-0.12	-0.27	37.43	-145.79	33.27	-141.62	-27.30
64	20	47	0.45	0.68	0.02	0.02	0.68	5.32e-03	236.10	-54.55	59.68	121.87	
141.96													
		101	0.55	0.23	-0.15	-0.13	0.22	0.08	69.18	-286.60	-6.74	-210.68	

145.76													
		138	0.40	0.50	0.18	0.24	0.44	0.13	-10.99	-242.36	-11.00	-242.35	-1.51
		136	0.27	0.83	0.10	0.21	0.72	-0.26	165.84	31.89	32.58	165.16	-9.57
64	21	47	0.79	0.16	-0.83	0.09	-0.76	-0.25	47.79	-437.88	-59.50	-330.60	-
201.48													
		101	0.78	0.44	-0.37	0.27	-0.20	-0.33	409.93	-90.01	58.76	261.16	-
228.57													
		138	0.47	-0.30	-1.08	-0.82	-0.56	-0.37	282.92	3.99	5.58	281.34	20.97
		136	0.61	-0.81	-0.95	-0.81	-0.95	0.01	-80.85	-394.37	-89.84	-385.37	52.33
64	22	47	0.19	-4.58e-03	-0.13	-0.02	-0.11	0.04	82.20	-47.38	39.84	-5.03	60.78
		101	0.10	0.29	-0.41	0.04	-0.17	0.34	35.52	-30.76	34.76	-29.99	-7.07
		138	0.18	-0.04	-0.34	-0.04	-0.34	0.03	-31.20	-118.39	-118.37	-31.21	-1.09
		136	0.25	0.12	-0.11	0.12	-0.11	0.02	-14.25	-154.88	-90.53	-78.59	70.06
64	23	47	0.49	0.33	-0.24	0.10	-0.01	-0.28	24.53	-278.35	-43.74	-210.07	-
126.56													
		101	0.27	0.72	-0.46	0.08	0.18	-0.59	132.74	-36.57	14.67	81.50	-77.78
		138	0.20	0.30	-0.62	-0.53	0.21	-0.27	128.95	65.23	120.63	73.55	21.47
		136	0.30	-0.03	-0.83	-0.73	-0.13	-0.27	44.29	-151.01	39.44	-146.17	-30.38
64	24	47	0.47	0.72	0.05	0.05	0.72	-7.04e-03	247.68	-55.69	63.75	128.24	
148.22													
		101	0.55	0.24	-0.15	-0.13	0.22	0.09	72.67	-288.53	-4.14	-211.72	
147.80													
		138	0.40	0.49	0.18	0.23	0.44	0.12	-18.65	-245.73	-18.68	-245.70	-2.42
		136	0.28	0.84	0.11	0.22	0.73	-0.26	169.99	26.11	26.41	169.70	-6.49
64	25	47	0.81	0.12	-0.87	0.06	-0.81	-0.24	48.41	-448.95	-63.57	-336.97	-
207.74													
		101	0.78	0.43	-0.37	0.26	-0.20	-0.33	411.75	-93.40	56.16	262.19	-
230.61													
		138	0.47	-0.30	-1.07	-0.81	-0.56	-0.37	286.44	11.51	13.26	284.69	21.89
		136	0.62	-0.82	-0.96	-0.82	-0.96	8.70e-03	-75.94	-397.64	-83.67	-389.92	49.25
64	26	47	0.21	0.02	-0.08	0.01	-0.07	0.03	92.97	-47.71	43.92	1.34	67.04
		101	0.10	0.30	-0.41	0.05	-0.17	0.34	37.72	-31.40	37.35	-31.03	-5.03
		138	0.19	-0.04	-0.34	-0.05	-0.34	0.03	-34.52	-126.10	-126.05	-34.56	-2.00
		136	0.26	0.13	-0.10	0.13	-0.10	0.02	-11.36	-159.39	-96.70	-74.05	73.14
64	27	47	1.63	0.52	-1.26	0.26	-1.01	-0.62	115.17	-902.31	-160.82	-626.32	-
452.37													
		101	1.38	1.50	-1.08	0.41	0.01	-1.28	715.03	-169.69	61.13	484.21	-
388.50													
		138	0.76	0.05	-2.09	-1.63	-0.41	-0.88	515.39	209.01	216.12	508.28	46.13
		136	0.98	-1.32	-1.90	-1.84	-1.39	-0.18	-10.34	-585.92	-10.94	-585.33	-18.53
64	28	47	1.41	1.26	-0.22	-0.13	1.16	0.36	760.45	-131.21	170.32	458.92	
421.83													
		101	1.30	0.86	-1.07	-0.33	0.11	0.94	168.12	-673.29	-18.87	-486.30	
349.82													
		138	0.79	1.21	0.08	0.95	0.34	0.47	-194.83	-535.76	-197.05	-533.54	-27.41
		136	0.76	1.50	1.17	1.26	1.42	-0.14	440.90	-16.88	-13.25	437.27	40.58
64	29	47	1.74	0.46	-1.47	0.24	-1.25	-0.61	122.93	-960.72	-170.14	-667.65	-
481.35													
		101	1.53	1.40	-1.04	0.46	-0.10	-1.19	795.19	-187.52	70.89	536.77	-
432.63													
		138	0.86	-0.10	-1.89	-1.53	-0.46	-0.72	578.21	185.94	191.63	572.53	46.88
		136	1.07	-1.60	-1.90	-1.86	-1.64	-0.10	-44.00	-657.50	-44.01	-657.49	2.18
64	30	47	1.30	1.04	-0.27	-0.15	0.92	0.38	702.56	-123.98	160.99	417.59	
392.85													
		101	1.16	0.90	-1.17	-0.28	7.88e-03	1.03	150.76	-593.61	-9.11	-433.73	
305.69													
		138	0.69	1.41	-0.07	1.05	0.29	0.63	-218.71	-472.13	-221.55	-469.29	-26.66
		136	0.68	1.28	1.12	1.24	1.16	-0.07	374.05	-55.26	-46.33	365.11	61.29
64	31	47	1.64	0.51	-1.26	0.26	-1.01	-0.62	115.55	-906.01	-162.50	-627.95	-
454.68													
		101	1.38	1.50	-1.07	0.41	0.01	-1.27	713.32	-170.14	59.79	483.39	-
387.64													
		138	0.76	0.06	-1.92	-1.54	-0.32	-0.78	516.02	212.70	219.98	508.73	46.44
		136	0.98	-1.32	-1.90	-1.84	-1.39	-0.18	-8.31	-585.55	-9.01	-584.85	-20.12
64	32	47	1.40	1.26	-0.23	-0.13	1.16	0.36	756.61	-130.69	168.63	457.29	
419.52													
		101	1.31	0.87	-1.08	-0.33	0.12	0.95	167.61	-674.95	-20.21	-487.12	
350.68													
		138	0.79	1.38	0.09	1.04	0.43	0.56	-191.04	-535.23	-193.19	-533.09	-27.10
		136	0.76	1.50	1.17	1.26	1.41	-0.15	441.11	-14.68	-11.32	437.75	38.99
64	33	47	1.73	0.46	-1.46	0.24	-1.25	-0.61	122.55	-957.03	-168.45	-666.02	-
479.04													

		101	1.53	1.41	-1.05	0.46	-0.10	-1.19	796.90	-187.07	72.23	537.59	-
433.49													
		138	0.86	-0.12	-2.06	-1.62	-0.55	-0.81	577.64	182.21	187.77	572.07	46.57
		136	1.07	-1.60	-1.90	-1.86	-1.64	-0.10	-45.92	-657.99	-45.94	-657.97	3.77
64	34	47	1.31	1.04	-0.26	-0.15	0.92	0.38	706.41	-124.51	162.68	419.22	
395.16													
		101	1.16	0.90	-1.17	-0.28	3.58e-03	1.02	151.29	-591.97	-7.77	-432.91	
304.83													
		138	0.69	1.24	-0.08	0.96	0.20	0.54	-222.46	-472.69	-225.40	-469.74	-26.97
		136	0.68	1.27	1.13	1.24	1.16	-0.06	373.99	-57.62	-48.25	364.63	62.88
64	35	47	1.70	0.37	-1.37	0.14	-1.15	-0.58	118.10	-940.05	-174.40	-647.55	-
473.24													
		101	1.41	1.50	-1.11	0.39	6.04e-03	-1.29	721.30	-181.16	52.48	487.65	-
395.30													
		138	0.77	0.04	-2.07	-1.62	-0.41	-0.86	527.90	233.28	241.72	519.46	49.17
		136	1.02	-1.35	-1.94	-1.87	-1.42	-0.18	10.99	-601.82	9.63	-600.47	-28.80
64	36	47	1.47	1.38	-0.08	-9.13e-03	1.31	0.32	798.84	-134.79	183.90	480.15	
442.69													
		101	1.33	0.89	-1.07	-0.30	0.12	0.96	179.74	-679.71	-10.22	-489.75	
356.62													
		138	0.80	1.18	0.09	0.94	0.33	0.46	-219.80	-547.57	-222.65	-544.71	-30.44
		136	0.81	1.53	1.21	1.29	1.45	-0.14	457.68	-39.08	-33.82	452.41	50.85
64	37	47	1.80	0.31	-1.58	0.12	-1.39	-0.57	125.85	-998.46	-183.72	-688.88	-
502.21													
		101	1.56	1.40	-1.06	0.43	-0.10	-1.20	801.45	-198.99	62.24	540.22	-
439.43													
		138	0.87	-0.11	-1.87	-1.52	-0.46	-0.70	590.38	210.55	217.23	583.70	49.91
		136	1.12	-1.63	-1.94	-1.89	-1.67	-0.11	-23.35	-672.73	-23.45	-672.63	-8.09
64	38	47	1.37	1.16	-0.13	-0.03	1.06	0.34	741.00	-127.60	174.58	438.82	
413.71													
		101	1.18	0.93	-1.17	-0.25	0.01	1.04	162.40	-600.04	-0.46	-437.18	
312.49													
		138	0.71	1.38	-0.06	1.04	0.29	0.62	-243.43	-484.19	-247.15	-480.47	-29.70
		136	0.73	1.31	1.16	1.27	1.19	-0.06	391.42	-78.07	-66.89	380.25	71.56
64	39	47	1.71	0.36	-1.37	0.14	-1.15	-0.58	118.50	-943.77	-176.09	-649.18	-
475.55													
		101	1.41	1.49	-1.10	0.38	0.01	-1.28	719.59	-181.62	51.13	486.83	-
394.44													
		138	0.77	0.06	-1.90	-1.53	-0.32	-0.77	528.56	236.93	245.58	519.91	49.48
		136	1.02	-1.35	-1.94	-1.87	-1.42	-0.19	13.06	-601.49	11.56	-599.99	-30.39
64	40	47	1.47	1.38	-0.09	-0.01	1.30	0.32	795.00	-134.27	182.22	478.52	
440.38													
		101	1.33	0.89	-1.08	-0.31	0.12	0.96	179.23	-681.36	-11.56	-490.57	
357.48													
		138	0.80	1.36	0.10	1.03	0.43	0.55	-216.03	-547.03	-218.79	-544.26	-30.13
		136	0.81	1.53	1.21	1.30	1.44	-0.14	457.85	-36.84	-31.89	452.90	49.26
64	41	47	1.80	0.32	-1.58	0.12	-1.39	-0.57	125.46	-994.74	-182.04	-687.25	-
499.90													
		101	1.56	1.40	-1.07	0.44	-0.10	-1.21	803.16	-198.54	63.58	541.04	-
440.29													
		138	0.87	-0.12	-2.04	-1.61	-0.55	-0.80	589.79	206.83	213.37	583.25	49.60
		136	1.11	-1.63	-1.94	-1.90	-1.67	-0.10	-25.31	-673.18	-25.37	-673.11	-6.50
64	42	47	1.38	1.16	-0.12	-0.03	1.07	0.34	744.85	-128.14	176.27	440.45	
416.03													
		101	1.18	0.92	-1.17	-0.25	7.83e-03	1.04	162.93	-598.41	0.89	-436.36	
311.63													
		138	0.71	1.21	-0.07	0.95	0.19	0.52	-247.15	-484.77	-251.00	-480.92	-30.01
		136	0.73	1.30	1.16	1.27	1.20	-0.06	391.40	-80.45	-68.82	379.77	73.15
64	43	47	0.40	0.34	-0.19	0.13	0.02	-0.26	19.21	-225.37	-27.06	-179.09	-95.79
		101	0.24	0.62	-0.39	0.09	0.14	-0.50	122.03	-28.24	22.54	71.25	-71.08
		138	0.14	0.18	-0.99	-0.72	-0.09	-0.49	89.01	48.59	78.94	58.67	17.49
		136	0.25	-0.03	-0.73	-0.64	-0.11	-0.22	16.49	-137.69	15.37	-136.58	-13.07
64	44	47	0.35	0.53	0.04	0.04	0.53	-0.03	178.21	-47.59	51.67	78.95	
112.07													
		101	0.41	0.16	-0.09	-0.09	0.16	0.03	54.50	-210.52	3.50	-159.52	
104.47													
		138	0.30	0.19	-0.21	-0.11	0.09	-0.17	-19.32	-189.05	-19.32	-189.05	-
1.14e-03													
		136	0.18	0.64	6.99e-03	0.09	0.56	-0.21	106.58	14.80	14.81	106.57	0.99
64	45	47	0.68	0.14	-0.68	0.07	-0.62	-0.22	38.72	-377.90	-51.49	-287.69	-
171.59													
		101	0.63	0.36	-0.29	0.22	-0.14	-0.27	333.20	-74.69	48.52	209.99	-

187.28													
		138	0.37	-0.19	-0.49	-0.47	-0.21	-0.07	229.80	12.15	13.90	228.04	19.47
		136	0.52	-0.68	-0.79	-0.69	-0.78	-0.03	-65.39	-333.47	-72.07	-326.79	41.77
64	46	47	0.13	-0.02	-0.10	-0.02	-0.10	0.01	44.89	-47.29	27.24	-29.64	36.27
		101	0.08	0.23	-0.31	0.04	-0.12	0.26	32.08	-23.38	29.48	-20.78	-11.73
		138	0.13	0.32	-0.21	0.15	-0.03	0.25	-19.62	-84.42	-84.36	-19.68	1.98
		136	0.21	0.05	-0.12	0.05	-0.12	-0.02	-22.03	-134.24	-72.63	-83.64	55.83
64	47	47	0.41	0.30	-0.22	0.10	-0.02	-0.25	19.54	-233.98	-30.29	-184.14	-
100.75													
		101	0.25	0.62	-0.40	0.08	0.14	-0.51	123.42	-30.85	20.49	72.07	-72.69
		138	0.15	0.18	-0.99	-0.72	-0.09	-0.49	94.90	51.45	85.03	61.33	18.21
		136	0.26	-0.04	-0.73	-0.65	-0.12	-0.22	21.75	-141.66	20.26	-140.18	-15.51
64	48	47	0.36	0.57	0.06	0.07	0.57	-0.04	187.39	-48.48	54.90	84.00	
117.03													
		101	0.41	0.17	-0.08	-0.08	0.16	0.03	57.27	-212.06	5.55	-160.34	
106.09													
		138	0.30	0.19	-0.22	-0.11	0.09	-0.18	-25.41	-191.71	-25.41	-191.71	-0.72
		136	0.18	0.65	0.02	0.10	0.56	-0.21	110.29	9.80	9.92	110.17	3.43
64	49	47	0.69	0.10	-0.71	0.05	-0.65	-0.21	39.19	-386.64	-54.72	-292.73	-
176.55													
		101	0.64	0.36	-0.29	0.21	-0.14	-0.28	334.64	-77.36	46.47	210.81	-
188.90													
		138	0.37	-0.19	-0.48	-0.46	-0.21	-0.07	232.61	18.07	19.99	230.70	20.19
		136	0.53	-0.69	-0.80	-0.70	-0.79	-0.03	-61.43	-336.14	-67.18	-330.39	39.33
64	50	47	0.14	9.41e-03	-0.07	9.03e-03	-0.07	5.40e-03	52.52	-46.64	30.47	-24.59	41.23
		101	0.08	0.24	-0.31	0.05	-0.12	0.26	33.39	-23.46	31.53	-21.60	-10.12
		138	0.14	0.31	-0.20	0.14	-0.04	0.24	-22.32	-90.47	-90.45	-22.34	1.26
		136	0.21	0.06	-0.11	0.05	-0.11	-0.02	-20.50	-137.07	-77.53	-80.04	58.28
64	51	47	0.41	0.32	-0.20	0.12	9.82e-03	-0.26	19.70	-234.85	-31.61	-183.53	-
102.12													
		101	0.24	0.60	-0.37	0.08	0.15	-0.48	117.31	-29.28	18.93	69.10	-68.87
		138	0.15	0.24	-0.57	-0.48	0.15	-0.25	98.04	51.19	89.24	59.99	18.30
		136	0.25	-0.03	-0.73	-0.63	-0.12	-0.24	22.38	-137.29	20.48	-135.39	-17.30
64	52	47	0.33	0.53	0.02	0.02	0.53	-0.02	167.44	-45.81	47.12	74.52	
105.74													
		101	0.41	0.18	-0.10	-0.09	0.17	0.04	52.93	-214.71	-0.11	-161.68	
106.68													
		138	0.31	0.35	0.10	0.13	0.33	0.07	-9.02	-187.74	-9.02	-187.73	0.81
		136	0.17	0.64	6.16e-03	0.10	0.54	-0.23	107.88	19.80	19.92	107.76	-3.24
64	53	47	0.66	0.15	-0.68	0.09	-0.61	-0.23	38.06	-368.25	-46.94	-283.25	-
165.26													
		101	0.64	0.38	-0.31	0.22	-0.15	-0.29	337.84	-73.55	52.13	212.15	-
189.50													
		138	0.38	-0.24	-0.92	-0.71	-0.45	-0.32	228.27	2.05	3.60	226.72	18.65
		136	0.52	-0.70	-0.77	-0.70	-0.77	-0.02	-69.01	-336.15	-77.18	-327.97	46.00
64	54	47	0.15	-5.01e-03	-0.10	-5.87e-03	-0.09	8.75e-03	54.55	-47.96	31.79	-25.20	42.60
		101	0.09	0.21	-0.29	0.05	-0.13	0.24	36.61	-22.14	33.09	-18.62	-13.95
		138	0.14	-0.09	-0.27	-0.09	-0.27	1.56e-03	-20.98	-94.68	-94.66	-21.00	1.17
		136	0.22	0.03	-0.10	0.03	-0.10	-9.41e-03	-21.12	-141.45	-77.75	-84.82	60.06
64	55	47	0.43	0.28	-0.22	0.09	-0.02	-0.25	20.10	-243.53	-34.84	-188.58	-
107.08													
		101	0.24	0.60	-0.38	0.08	0.15	-0.49	118.70	-31.91	16.88	69.92	-70.48
		138	0.16	0.23	-0.57	-0.48	0.15	-0.24	104.06	53.91	95.33	62.64	19.02
		136	0.26	-0.04	-0.73	-0.64	-0.13	-0.24	27.71	-141.33	25.38	-138.99	-19.74
64	56	47	0.34	0.56	0.05	0.05	0.56	-0.03	176.62	-46.70	50.35	79.56	
110.70													
		101	0.42	0.18	-0.09	-0.09	0.17	0.05	55.70	-216.25	1.95	-162.50	
108.30													
		138	0.31	0.35	0.10	0.13	0.33	0.07	-15.11	-190.39	-15.11	-190.39	0.09
		136	0.18	0.65	0.01	0.11	0.55	-0.23	111.36	15.02	15.03	111.36	-0.80
64	57	47	0.67	0.12	-0.71	0.06	-0.64	-0.22	38.50	-376.96	-50.17	-288.30	-
170.22													
		101	0.64	0.38	-0.31	0.22	-0.15	-0.29	339.27	-76.22	50.07	212.97	-
191.11													
		138	0.38	-0.24	-0.92	-0.70	-0.45	-0.32	231.08	7.99	9.69	229.38	19.38
		136	0.53	-0.71	-0.78	-0.71	-0.78	-0.02	-65.17	-338.70	-72.29	-331.57	43.56
64	58	47	0.16	0.02	-0.06	0.02	-0.06	-7.47e-04	62.42	-47.55	35.02	-20.15	47.56
		101	0.09	0.22	-0.30	0.05	-0.13	0.24	37.80	-22.10	35.14	-19.44	-12.33
		138	0.15	-0.10	-0.28	-0.10	-0.28	-1.97e-03	-23.65	-100.75	-100.75	-23.66	0.45
		136	0.23	0.04	-0.10	0.04	-0.10	-8.33e-03	-19.43	-144.44	-82.64	-81.22	62.50
64	59	47	1.33	0.44	-1.03	0.22	-0.81	-0.52	91.02	-736.65	-127.47	-518.16	-
364.83													

		101	1.12	1.22	-0.87	0.34	0.01	-1.04	579.64	-136.74	53.85	389.05	-
316.56													
		138	0.61	0.03	-1.72	-1.35	-0.34	-0.72	413.10	164.67	170.81	406.96	38.58
		136	0.81	-1.06	-1.58	-1.52	-1.12	-0.17	-14.35	-487.05	-14.57	-486.83	-10.28
64	60	47	1.08	0.98	-0.15	-0.09	0.91	0.26	582.49	-105.50	134.98	342.00	
328.05													
		101	1.01	0.66	-0.82	-0.25	0.09	0.72	131.40	-521.23	-9.63	-380.20	
268.61													
		138	0.62	0.89	0.06	0.69	0.26	0.35	-155.25	-420.25	-156.72	-418.78	-19.71
		136	0.57	1.18	0.86	0.93	1.10	-0.14	327.57	-20.35	-16.46	323.67	36.59
64	61	47	1.41	0.39	-1.18	0.20	-1.00	-0.51	97.08	-782.61	-134.80	-550.74	-
387.57													
		101	1.24	1.14	-0.84	0.38	-0.07	-0.97	643.07	-150.76	61.65	430.67	-
351.42													
		138	0.69	-0.08	-1.57	-1.27	-0.38	-0.60	462.70	146.37	151.30	457.77	39.18
		136	0.89	-1.28	-1.58	-1.53	-1.33	-0.11	-40.73	-543.97	-40.81	-543.89	6.17
64	62	47	1.00	0.81	-0.19	-0.11	0.72	0.27	537.09	-100.02	127.65	309.43	
305.31													
		101	0.90	0.70	-0.90	-0.21	8.04e-03	0.79	117.87	-458.28	-1.83	-338.58	
233.75													
		138	0.54	1.04	-0.05	0.77	0.22	0.47	-174.35	-369.85	-176.24	-367.97	-19.11
		136	0.51	0.99	0.83	0.92	0.90	-0.08	275.45	-51.53	-42.69	266.61	53.04
64	63	47	1.34	0.43	-1.03	0.21	-0.81	-0.52	91.34	-739.67	-128.84	-519.49	-
366.73													
		101	1.12	1.22	-0.87	0.34	0.01	-1.03	578.29	-137.12	52.77	388.40	-
315.90													
		138	0.61	0.05	-1.59	-1.28	-0.27	-0.65	413.64	167.62	173.90	407.35	38.83
		136	0.81	-1.06	-1.58	-1.52	-1.13	-0.17	-12.76	-486.75	-13.04	-486.47	-11.55
64	64	47	1.08	0.98	-0.16	-0.09	0.91	0.26	579.33	-105.05	133.61	340.67	
326.15													
		101	1.01	0.67	-0.82	-0.25	0.10	0.73	130.96	-522.51	-10.71	-380.84	
269.27													
		138	0.62	1.02	0.07	0.76	0.33	0.42	-152.21	-419.81	-153.63	-418.38	-19.46
		136	0.57	1.18	0.85	0.94	1.10	-0.14	327.67	-18.56	-14.92	324.03	35.32
64	65	47	1.41	0.39	-1.18	0.20	-1.00	-0.51	96.76	-779.60	-133.43	-549.40	-
385.67													
		101	1.24	1.15	-0.85	0.38	-0.08	-0.97	644.42	-150.38	62.73	431.32	-
352.08													
		138	0.69	-0.09	-1.70	-1.34	-0.45	-0.67	462.20	143.39	148.21	457.37	38.93
		136	0.89	-1.28	-1.58	-1.54	-1.32	-0.10	-42.23	-544.36	-42.34	-544.25	7.44
64	66	47	1.01	0.81	-0.18	-0.10	0.73	0.27	540.25	-100.48	129.01	310.76	
307.21													
		101	0.89	0.69	-0.89	-0.21	4.69e-03	0.78	118.32	-457.00	-0.75	-337.93	
233.08													
		138	0.54	0.91	-0.06	0.70	0.15	0.40	-177.36	-370.32	-179.33	-368.36	-19.36
		136	0.51	0.99	0.83	0.92	0.90	-0.08	275.48	-53.45	-44.22	266.25	54.31
64	67	47	1.38	0.32	-1.11	0.12	-0.92	-0.49	93.26	-766.48	-138.24	-534.98	-
381.36													
		101	1.14	1.22	-0.90	0.32	6.78e-03	-1.05	584.58	-145.80	47.00	391.78	-
321.94													
		138	0.62	0.03	-1.71	-1.34	-0.34	-0.71	423.06	183.86	191.11	415.82	40.99
		136	0.84	-1.09	-1.61	-1.55	-1.15	-0.17	2.41	-499.50	1.73	-498.82	-18.42
64	68	47	1.14	1.07	-0.05	3.81e-03	1.02	0.23	612.96	-108.39	145.74	358.83	
344.58													
		101	1.03	0.68	-0.81	-0.23	0.10	0.73	140.61	-526.32	-2.78	-382.93	
273.99													
		138	0.63	0.87	0.07	0.68	0.25	0.34	-175.08	-429.57	-177.02	-427.64	-22.11
		136	0.61	1.20	0.88	0.96	1.12	-0.13	341.02	-38.11	-32.76	335.67	44.73
64	69	47	1.47	0.27	-1.27	0.11	-1.11	-0.48	99.31	-812.43	-145.57	-567.56	-
404.10													
		101	1.26	1.14	-0.86	0.36	-0.08	-0.98	648.01	-159.81	54.80	433.40	-
356.80													
		138	0.70	-0.09	-1.55	-1.26	-0.37	-0.58	472.37	165.85	171.60	466.63	41.58
		136	0.92	-1.30	-1.61	-1.56	-1.35	-0.11	-24.49	-555.90	-24.50	-555.89	-1.97
64	70	47	1.05	0.90	-0.08	-0.01	0.84	0.24	567.60	-102.93	138.42	326.25	
321.84													
		101	0.91	0.72	-0.90	-0.19	0.01	0.80	127.10	-463.39	5.02	-341.31	
239.13													
		138	0.55	1.02	-0.05	0.76	0.21	0.46	-194.00	-379.36	-196.53	-376.83	-21.52
		136	0.55	1.01	0.86	0.95	0.92	-0.08	289.35	-69.74	-58.99	278.61	61.18
64	71	47	1.39	0.31	-1.11	0.12	-0.92	-0.49	93.59	-769.51	-139.60	-536.31	-
383.26													

		101	1.14	1.22	-0.89	0.32	0.01	-1.04	583.24	-146.18	45.92	391.13	-
321.28													
		138	0.62	0.04	-1.58	-1.27	-0.27	-0.64	423.62	186.79	194.20	416.21	41.23
		136	0.84	-1.09	-1.61	-1.54	-1.15	-0.17	4.04	-499.24	3.27	-498.47	-19.69
64	72	47	1.13	1.07	-0.05	-1.33e-04	1.02	0.23	609.81	-107.93	144.38	357.49	
342.68													
		101	1.03	0.69	-0.82	-0.23	0.10	0.74	140.17	-527.61	-3.86	-383.58	
274.65													
		138	0.63	1.00	0.08	0.76	0.32	0.41	-172.05	-429.12	-173.93	-427.24	-21.87
		136	0.61	1.20	0.88	0.96	1.12	-0.14	341.10	-36.30	-31.23	336.03	43.46
64	73	47	1.46	0.28	-1.27	0.11	-1.11	-0.48	98.98	-809.41	-144.20	-566.23	-
402.21													
		101	1.26	1.15	-0.87	0.36	-0.08	-0.98	649.36	-159.43	55.88	434.05	-
357.47													
		138	0.70	-0.10	-1.68	-1.34	-0.45	-0.66	471.86	162.87	168.51	466.23	41.34
		136	0.92	-1.30	-1.61	-1.56	-1.35	-0.11	-26.03	-556.24	-26.04	-556.24	-0.70
64	74	47	1.06	0.90	-0.07	-9.27e-03	0.84	0.24	570.77	-103.41	139.78	327.58	
323.74													
		101	0.91	0.71	-0.89	-0.19	8.04e-03	0.80	127.55	-462.11	6.10	-340.66	
238.47													
		138	0.55	0.89	-0.06	0.69	0.14	0.39	-196.99	-379.85	-199.62	-377.22	-21.76
		136	0.56	1.01	0.86	0.94	0.93	-0.07	289.40	-71.67	-60.53	278.25	62.45
64	75	47	0.36	0.31	-0.18	0.12	6.57e-03	-0.24	16.58	-204.89	-22.28	-166.03	-84.24
		101	0.22	0.54	-0.34	0.09	0.11	-0.44	112.09	-25.65	23.18	63.26	-65.89
		138	0.12	0.15	-0.88	-0.65	-0.08	-0.43	75.65	40.90	64.72	51.83	16.14
		136	0.23	-0.03	-0.66	-0.59	-0.11	-0.21	8.08	-132.28	7.72	-131.92	-7.07
64	76	47	0.26	0.44	0.04	0.04	0.43	-0.04	132.57	-42.56	42.78	47.23	87.54
		101	0.32	0.13	-0.06	-0.06	0.13	-8.15e-04	44.01	-164.03	7.45	-127.46	79.19
		138	0.24	0.15	-0.23	-0.14	0.06	-0.16	-16.46	-152.91	-16.48	-152.89	1.69
		136	0.12	0.52	-0.06	0.02	0.44	-0.20	69.35	6.92	7.26	69.02	4.55
64	77	47	0.59	0.13	-0.58	0.07	-0.52	-0.20	32.39	-330.96	-42.61	-255.96	-
147.06													
		101	0.54	0.33	-0.25	0.19	-0.12	-0.25	286.44	-63.93	44.57	177.93	-
162.00													
		138	0.32	-0.16	-0.46	-0.44	-0.19	-0.08	193.61	9.33	11.06	191.88	17.78
		136	0.46	-0.59	-0.70	-0.62	-0.67	-0.05	-58.20	-295.56	-64.52	-289.24	38.21
64	78	47	0.12	-5.35e-03	-0.09	-6.27e-03	-0.09	-8.90e-03	30.78	-51.02	22.46	-42.70	24.72
		101	0.08	0.18	-0.23	0.05	-0.10	0.19	34.85	-18.79	28.84	-12.78	-16.92
		138	0.11	0.21	-0.18	0.07	-0.04	0.18	-12.64	-70.34	-70.15	-12.84	3.33
		136	0.20	-3.79e-05	-0.13	-0.01	-0.12	-0.04	-25.46	-127.82	-64.98	-88.30	49.83
64	79	47	0.37	0.27	-0.20	0.09	-0.02	-0.23	16.79	-211.94	-24.95	-170.20	-88.34
		101	0.23	0.54	-0.34	0.08	0.11	-0.44	113.20	-27.79	21.48	63.93	-67.22
		138	0.13	0.15	-0.88	-0.65	-0.08	-0.43	80.38	43.40	69.75	54.02	16.73
		136	0.24	-0.04	-0.67	-0.59	-0.12	-0.21	12.33	-135.46	11.76	-134.90	-9.09
64	80	47	0.28	0.47	0.06	0.06	0.46	-0.05	140.11	-43.26	45.45	51.40	91.64
		101	0.32	0.14	-0.05	-0.05	0.14	2.05e-03	46.31	-165.30	9.14	-128.14	80.52
		138	0.24	0.16	-0.24	-0.15	0.06	-0.17	-21.50	-155.10	-21.51	-155.09	1.09
		136	0.13	0.53	-0.05	0.03	0.45	-0.20	72.62	2.59	3.21	71.99	6.57
64	81	47	0.60	0.11	-0.60	0.05	-0.55	-0.19	32.74	-338.14	-45.27	-260.13	-
151.16													
		101	0.55	0.33	-0.26	0.19	-0.12	-0.25	287.62	-66.13	42.88	178.61	-
163.33													
		138	0.32	-0.16	-0.46	-0.43	-0.19	-0.08	195.96	14.21	16.09	194.08	18.38
		136	0.46	-0.60	-0.70	-0.63	-0.67	-0.05	-54.95	-297.73	-60.48	-292.21	36.20
64	82	47	0.13	0.02	-0.07	0.02	-0.06	-0.02	36.24	-49.64	25.13	-38.53	28.82
		101	0.08	0.18	-0.23	0.05	-0.10	0.19	35.50	-18.42	30.54	-13.46	-15.59
		138	0.12	0.20	-0.17	0.07	-0.04	0.18	-14.91	-75.30	-75.18	-15.03	2.74
		136	0.20	5.93e-03	-0.12	-7.55e-03	-0.11	-0.04	-24.69	-129.66	-69.03	-85.32	51.85
64	83	47	0.37	0.29	-0.18	0.11	1.45e-03	-0.23	16.87	-212.60	-26.04	-169.69	-89.47
		101	0.22	0.52	-0.32	0.08	0.12	-0.42	108.14	-26.47	20.20	61.47	-64.06
		138	0.13	0.19	-0.53	-0.45	0.11	-0.23	82.71	43.42	73.23	52.91	16.81
		136	0.23	-0.03	-0.66	-0.58	-0.12	-0.22	12.72	-131.72	11.95	-130.95	-10.56
64	84	47	0.25	0.43	0.03	0.03	0.43	-0.04	123.64	-41.05	39.03	43.56	82.31
		101	0.32	0.14	-0.07	-0.07	0.14	0.01	42.65	-167.43	4.46	-129.24	81.01
		138	0.25	0.27	0.05	0.06	0.26	0.04	-7.94	-151.85	-7.97	-151.81	2.36
		136	0.12	0.52	-0.06	0.03	0.43	-0.21	70.02	11.46	11.48	70.00	1.05
64	85	47	0.58	0.15	-0.58	0.08	-0.51	-0.21	31.93	-323.08	-38.85	-252.30	-
141.84													
		101	0.55	0.34	-0.27	0.20	-0.13	-0.26	290.29	-63.01	47.56	179.72	-
163.83													
		138	0.32	-0.20	-0.82	-0.63	-0.39	-0.29	192.35	1.01	2.55	190.80	17.11
		136	0.46	-0.61	-0.68	-0.63	-0.66	-0.04	-61.15	-297.81	-68.74	-290.21	41.71

64	86	47	0.13	6.68e-03	-0.09	4.57e-03	-0.09	-0.01	37.88	-50.70	26.22	-39.04	29.95
		101	0.09	0.17	-0.22	0.05	-0.11	0.18	38.87	-18.05	31.82	-11.00	-18.75
		138	0.12	-0.12	-0.24	-0.13	-0.24	-0.02	-13.81	-78.76	-78.65	-13.92	2.66
		136	0.21	-0.02	-0.11	-0.02	-0.11	-0.03	-24.98	-133.50	-69.21	-89.27	53.33
64	87	47	0.39	0.26	-0.20	0.08	-0.03	-0.22	17.13	-219.70	-28.71	-173.86	-93.57
		101	0.22	0.52	-0.33	0.07	0.12	-0.43	109.27	-28.62	18.50	62.15	-65.40
		138	0.13	0.19	-0.53	-0.45	0.12	-0.22	87.59	45.77	78.26	55.10	17.41
		136	0.24	-0.04	-0.67	-0.58	-0.13	-0.22	17.04	-134.97	15.99	-133.92	-12.58
64	88	47	0.26	0.46	0.05	0.05	0.46	-0.05	131.18	-41.75	41.70	47.74	86.41
		101	0.33	0.15	-0.06	-0.06	0.14	0.02	44.94	-168.70	6.16	-129.92	82.35
		138	0.25	0.27	0.05	0.05	0.26	0.04	-12.98	-154.03	-13.01	-154.01	1.76
		136	0.12	0.53	-0.05	0.04	0.44	-0.21	73.12	7.30	7.44	72.97	3.07
64	89	47	0.59	0.12	-0.60	0.06	-0.54	-0.20	32.25	-330.23	-41.52	-256.47	-145.93
		101	0.55	0.34	-0.27	0.19	-0.13	-0.26	291.46	-65.21	45.86	180.39	-165.16
		138	0.32	-0.20	-0.82	-0.63	-0.39	-0.28	194.67	5.91	7.58	193.00	17.71
		136	0.47	-0.61	-0.69	-0.64	-0.66	-0.04	-58.00	-299.89	-64.70	-293.19	39.69
64	90	47	0.14	0.03	-0.06	0.03	-0.06	-0.02	43.65	-49.63	28.89	-34.87	34.05
		101	0.09	0.17	-0.22	0.06	-0.10	0.18	39.45	-17.61	33.52	-11.67	-17.41
		138	0.13	-0.13	-0.24	-0.13	-0.24	-0.02	-16.05	-83.74	-83.68	-16.11	2.06
		136	0.21	-9.09e-03	-0.11	-0.02	-0.10	-0.03	-24.05	-135.50	-73.25	-86.30	55.34
64	91	47	1.13	0.38	-0.87	0.19	-0.67	-0.45	75.05	-626.66	-105.31	-446.30	-306.64
		101	0.95	1.04	-0.74	0.29	1.00e-02	-0.88	489.80	-114.88	49.03	325.89	-268.78
		138	0.51	0.03	-1.48	-1.17	-0.29	-0.62	345.20	135.17	140.68	339.69	33.57
		136	0.69	-0.89	-1.37	-1.31	-0.95	-0.16	-16.96	-421.47	-17.02	-421.42	-4.78
64	92	47	0.87	0.79	-0.11	-0.06	0.75	0.19	464.81	-88.68	111.58	264.55	-265.97
		101	0.82	0.53	-0.65	-0.19	0.08	0.57	107.21	-420.46	-3.43	-309.82	-214.81
		138	0.50	0.67	0.05	0.52	0.20	0.27	-129.00	-343.71	-130.00	-342.71	-14.60
		136	0.45	0.96	0.64	0.72	0.89	-0.14	252.64	-22.82	-18.57	248.39	33.95
64	93	47	1.20	0.34	-1.00	0.18	-0.83	-0.44	80.05	-664.74	-111.40	-473.28	-325.49
		101	1.04	0.97	-0.71	0.32	-0.06	-0.82	542.25	-126.51	55.45	360.29	-297.62
		138	0.57	-0.07	-1.36	-1.10	-0.32	-0.51	386.14	120.14	124.58	381.70	34.07
		136	0.76	-1.07	-1.37	-1.32	-1.12	-0.11	-38.51	-468.79	-38.69	-468.61	8.81
64	94	47	0.80	0.65	-0.14	-0.08	0.59	0.20	427.32	-84.27	105.49	237.57	-247.12
		101	0.72	0.56	-0.71	-0.16	8.17e-03	0.63	96.09	-368.51	2.99	-275.42	-185.97
		138	0.44	0.80	-0.05	0.59	0.17	0.37	-144.82	-301.97	-146.10	-300.70	-14.10
		136	0.40	0.80	0.63	0.71	0.72	-0.09	210.22	-49.27	-40.24	201.20	47.54
64	95	47	1.13	0.38	-0.87	0.19	-0.68	-0.45	75.30	-629.13	-106.43	-447.40	-308.21
		101	0.95	1.04	-0.73	0.29	0.01	-0.87	488.68	-115.19	48.13	325.36	-268.24
		138	0.51	0.04	-1.38	-1.11	-0.23	-0.56	345.64	137.59	143.23	340.01	33.78
		136	0.70	-0.89	-1.37	-1.30	-0.95	-0.16	-15.67	-421.21	-15.75	-421.12	-5.83
64	96	47	0.86	0.79	-0.11	-0.07	0.75	0.20	462.20	-88.29	110.46	263.45	-264.40
		101	0.82	0.54	-0.65	-0.19	0.08	0.58	106.84	-421.52	-4.32	-310.36	-215.35
		138	0.50	0.79	0.06	0.58	0.26	0.33	-126.49	-343.35	-127.45	-342.39	-14.40
		136	0.45	0.97	0.64	0.72	0.89	-0.14	252.70	-21.31	-17.30	248.69	32.90
64	97	47	1.19	0.35	-1.00	0.18	-0.83	-0.44	79.81	-662.27	-110.28	-472.18	-323.92
		101	1.05	0.98	-0.72	0.32	-0.06	-0.82	543.37	-126.20	56.34	360.83	-298.17
		138	0.58	-0.08	-1.47	-1.16	-0.38	-0.57	385.73	117.68	122.03	381.38	33.86
		136	0.76	-1.07	-1.37	-1.32	-1.11	-0.11	-39.73	-469.13	-39.96	-468.90	9.86
64	98	47	0.81	0.65	-0.13	-0.08	0.59	0.20	429.94	-84.66	106.61	238.67	-248.69
		101	0.72	0.56	-0.71	-0.16	5.41e-03	0.63	96.47	-367.47	3.89	-274.88	-185.42
		138	0.44	0.69	-0.06	0.53	0.11	0.31	-147.32	-302.35	-148.65	-301.02	-14.31
		136	0.40	0.80	0.63	0.71	0.72	-0.08	210.28	-50.89	-41.51	200.91	48.59
64	99	47	1.17	0.28	-0.94	0.11	-0.77	-0.43	76.83	-651.24	-114.21	-460.20	-320.30

		101	0.96	1.04	-0.76	0.27	7.22e-03	-0.89	493.87	-122.35	43.37	328.15	-
273.23													
		138	0.52	0.02	-1.47	-1.16	-0.29	-0.61	353.46	151.00	157.45	347.00	35.56
		136	0.72	-0.91	-1.39	-1.33	-0.97	-0.16	-3.23	-431.64	-3.54	-431.33	-11.50
64	100	47	0.91	0.87	-0.02	0.01	0.84	0.17	490.03	-91.10	120.48	278.45	
279.63													
		101	0.83	0.55	-0.64	-0.18	0.08	0.58	114.84	-424.68	2.23	-312.08	
219.25													
		138	0.51	0.66	0.05	0.52	0.20	0.26	-145.43	-351.38	-146.77	-350.03	-16.59
		136	0.48	0.98	0.67	0.74	0.91	-0.13	263.90	-37.64	-32.05	258.31	40.68
64	101	47	1.24	0.24	-1.07	0.10	-0.92	-0.41	81.84	-689.32	-120.30	-487.18	-
339.15													
		101	1.06	0.97	-0.73	0.31	-0.06	-0.83	546.32	-133.98	49.79	362.55	-
302.07													
		138	0.58	-0.07	-1.34	-1.09	-0.32	-0.50	394.16	136.21	141.35	389.02	36.06
		136	0.79	-1.09	-1.39	-1.34	-1.14	-0.11	-25.21	-478.53	-25.22	-478.52	2.08
64	102	47	0.85	0.73	-0.05	-1.26e-03	0.68	0.18	452.57	-86.71	114.38	251.47	
260.78													
		101	0.74	0.58	-0.71	-0.14	0.01	0.64	103.72	-372.75	8.65	-277.68	
190.42													
		138	0.45	0.79	-0.04	0.58	0.17	0.36	-161.11	-309.78	-162.87	-308.02	-16.09
		136	0.44	0.82	0.65	0.73	0.74	-0.08	221.80	-64.41	-53.72	211.11	54.27
64	103	47	1.18	0.28	-0.94	0.11	-0.77	-0.42	77.09	-653.73	-115.33	-461.30	-
321.87													
		101	0.96	1.03	-0.75	0.27	9.99e-03	-0.88	492.75	-122.66	42.47	327.61	-
272.68													
		138	0.52	0.03	-1.36	-1.10	-0.23	-0.55	353.92	153.40	160.00	347.33	35.76
		136	0.72	-0.91	-1.39	-1.33	-0.97	-0.16	-1.91	-431.40	-2.28	-431.04	-12.55
64	104	47	0.91	0.87	-0.02	9.64e-03	0.84	0.17	487.42	-90.71	119.35	277.35	
278.06													
		101	0.83	0.55	-0.65	-0.18	0.08	0.59	114.46	-425.74	1.34	-312.61	
219.80													
		138	0.51	0.77	0.06	0.57	0.26	0.32	-142.92	-351.01	-144.22	-349.71	-16.38
		136	0.48	0.98	0.67	0.74	0.91	-0.14	263.93	-36.11	-30.78	258.60	39.63
64	105	47	1.24	0.25	-1.07	0.10	-0.92	-0.42	81.58	-686.84	-119.18	-486.08	-
337.58													
		101	1.06	0.98	-0.73	0.31	-0.06	-0.83	547.44	-133.67	50.68	363.09	-
302.61													
		138	0.58	-0.08	-1.45	-1.15	-0.38	-0.56	393.74	133.76	138.80	388.70	35.85
		136	0.79	-1.09	-1.39	-1.34	-1.13	-0.11	-26.46	-478.84	-26.48	-478.82	3.13
64	106	47	0.85	0.73	-0.04	1.99e-03	0.68	0.18	455.19	-87.11	115.51	252.57	
262.35													
		101	0.74	0.57	-0.71	-0.14	8.18e-03	0.64	104.11	-371.70	9.55	-277.14	
189.87													
		138	0.45	0.68	-0.05	0.52	0.11	0.30	-163.59	-310.17	-165.42	-308.34	-16.29
		136	0.44	0.82	0.65	0.73	0.75	-0.08	221.87	-66.04	-54.99	210.82	55.31
65	1	101	0.05	-0.01	-0.05	-0.05	-0.01	5.45e-03	17.60	-17.68	16.78	-16.86	-5.33
		49	0.09	-4.05e-03	-0.05	-0.05	-4.74e-03	5.45e-03	10.73	-47.55	10.66	-47.48	-2.09
		137	0.10	-5.30e-03	-0.05	-0.05	-5.92e-03	5.45e-03	21.62	-48.85	18.65	-45.88	-14.17
		138	0.08	-0.01	-0.06	-0.05	-0.01	5.45e-03	31.28	-21.77	24.77	-15.26	-17.41
65	2	101	0.22	0.01	-0.31	-0.24	-0.06	0.13	109.63	-37.56	1.21	70.86	64.83
		49	0.46	-0.04	-0.33	-0.25	-0.13	0.13	-24.61	-287.42	-62.80	-249.23	92.62
		137	0.41	-0.15	-0.60	-0.56	-0.19	0.13	10.34	-240.14	5.72	-235.53	-33.68
		138	0.23	-0.08	-0.58	-0.55	-0.12	0.13	139.06	15.23	69.74	84.56	-61.47
65	3	101	0.04	-9.09e-03	-0.03	-0.03	-9.22e-03	1.85e-03	14.22	-15.64	13.20	-14.62	-5.42
		49	0.07	-1.26e-03	-0.03	-0.03	-1.37e-03	1.85e-03	9.85	-32.98	9.58	-32.71	-3.39
		137	0.08	-1.03e-03	-0.03	-0.03	-1.14e-03	1.85e-03	16.87	-33.99	14.59	-31.71	-10.53
		138	0.06	-8.86e-03	-0.03	-0.03	-9.00e-03	1.85e-03	22.57	-17.98	18.21	-13.62	-12.56
65	4	101	0.23	0.02	-0.29	-0.22	-0.05	0.13	110.30	-39.57	-2.36	73.09	64.74
		49	0.44	-0.04	-0.32	-0.24	-0.12	0.13	-24.22	-274.12	-63.88	-234.46	91.31
		137	0.38	-0.14	-0.58	-0.54	-0.18	0.13	5.64	-225.34	1.66	-221.36	-30.05
		138	0.21	-0.08	-0.56	-0.52	-0.11	0.13	132.46	16.91	63.17	86.20	-56.62
65	5	101	0.04	-9.29e-03	-0.04	-0.04	-9.67e-03	3.17e-03	13.83	-14.48	13.04	-13.69	-4.67
		49	0.07	-2.34e-03	-0.03	-0.03	-2.65e-03	3.17e-03	8.93	-34.99	8.80	-34.86	-2.38
		137	0.08	-2.77e-03	-0.04	-0.04	-3.07e-03	3.17e-03	16.74	-36.02	14.45	-33.74	-10.74
		138	0.06	-9.73e-03	-0.04	-0.04	-0.01	3.17e-03	23.41	-17.28	18.69	-12.56	-13.03
65	6	101	0.14	6.03e-03	-0.21	-0.16	-0.04	0.09	70.80	-23.35	2.66	44.79	42.10
		49	0.31	-0.03	-0.22	-0.17	-0.08	0.09	-16.09	-193.45	-40.17	-169.37	60.76
		137	0.28	-0.10	-0.40	-0.37	-0.12	0.09	9.16	-163.50	5.83	-160.17	-23.75
		138	0.15	-0.05	-0.39	-0.37	-0.08	0.09	93.81	8.84	48.66	53.99	-42.40
65	7	101	0.04	-9.29e-03	-0.04	-0.04	-9.67e-03	3.17e-03	13.83	-14.48	13.04	-13.69	-4.67
		49	0.07	-2.34e-03	-0.03	-0.03	-2.65e-03	3.17e-03	8.93	-34.99	8.80	-34.86	-2.38

		137	0.08	-2.77e-03	-0.04	-0.04	-3.07e-03	3.17e-03	16.74	-36.02	14.45	-33.74-10.74
		138	0.06	-9.73e-03	-0.04	-0.04	-0.01	3.17e-03	23.41	-17.28	18.69	-12.56-13.03
65	8	101	0.09	5.08e-04	-0.15	-0.12	-0.03	0.06	46.56	-13.54	5.77	27.25 28.07
		49	0.23	-0.02	-0.17	-0.13	-0.06	0.06	-10.70	-143.79	-25.48	-129.02 41.81
		137	0.22	-0.07	-0.29	-0.27	-0.09	0.06	11.37	-125.19	8.42	-122.24-19.85
		138	0.12	-0.04	-0.28	-0.27	-0.06	0.06	70.56	3.14	39.67	34.02-33.59
65	9	101	0.04	-9.29e-03	-0.04	-0.04	-9.67e-03	3.17e-03	13.83	-14.48	13.04	-13.69 -4.67
		49	0.07	-2.34e-03	-0.03	-0.03	-2.65e-03	3.17e-03	8.93	-34.99	8.80	-34.86 -2.38
		137	0.08	-2.77e-03	-0.04	-0.04	-3.07e-03	3.17e-03	16.74	-36.02	14.45	-33.74-10.74
		138	0.06	-9.73e-03	-0.04	-0.04	-0.01	3.17e-03	23.41	-17.28	18.69	-12.56-13.03
65	10	101	0.08	-1.30e-03	-0.14	-0.11	-0.03	0.05	38.61	-10.40	6.81	21.40 23.39
		49	0.21	-0.02	-0.15	-0.12	-0.05	0.05	-8.78	-127.37	-20.58	-115.57 35.50
		137	0.20	-0.06	-0.25	-0.24	-0.08	0.05	12.11	-112.42	9.28	-109.59-18.55
		138	0.11	-0.04	-0.25	-0.23	-0.05	0.05	63.03	1.02	36.67	27.37-30.65
65	11	101	0.42	0.78	0.18	0.70	0.25	0.20	261.87	41.27	210.84	92.31 93.02
		49	0.45	0.70	0.02	0.68	0.04	-0.10	85.32	-215.98	80.05	-210.70 39.51
		137	0.53	0.13	-0.39	-0.33	0.06	-0.17	10.32	-312.36	-14.19	-287.86-85.47
		138	0.16	0.29	-0.30	-0.29	0.28	0.08	103.70	17.78	40.68	80.80-37.99
65	12	101	0.76	0.70	0.22	0.60	0.32	-0.19	155.80	-351.95	36.23	-232.38 -
215.44												
		49	0.85	0.95	0.47	0.73	0.69	-0.24	483.47	-36.02	79.71	367.74 -
216.17												
		137	0.47	0.83	0.27	0.28	0.82	-0.08	315.84	111.33	112.38	314.79 14.60
		138	0.36	0.47	0.20	0.22	0.45	-0.06	-12.54	-216.97	-13.09	-216.42 10.57
65	13	101	0.90	-0.23	-0.97	-0.82	-0.37	0.30	427.84	-175.26	-22.61	275.18
262.22												
		49	1.25	-0.52	-1.23	-0.96	-0.79	0.35	13.74	-733.48	-120.88	-598.87
287.17												
		137	0.85	-0.66	-1.07	-0.76	-0.97	0.18	-87.83	-539.97	-93.82	-533.98-51.69
		138	0.46	-0.44	-0.80	-0.69	-0.55	0.16	295.84	61.76	86.44	271.16-71.88
65	14	101	0.34	-0.29	-0.94	-0.93	-0.31	-0.09	-36.23	-210.50	-197.22	-49.51-46.24
		49	0.22	-0.09	-0.97	-0.91	-0.14	0.21	-11.39	-130.25	-121.21	-20.43 31.50
		137	0.18	0.09	-0.46	-0.15	-0.22	0.27	102.32	-0.90	32.75	68.67 48.38
		138	0.11	-0.17	-0.38	-0.18	-0.38	0.02	40.80	-34.20	32.67	-26.06-23.32
65	15	101	0.44	0.82	0.19	0.74	0.26	0.20	275.56	44.36	222.82	97.11 97.02
		49	0.47	0.73	0.01	0.71	0.03	-0.11	96.39	-219.63	91.99	-215.23 37.04
		137	0.55	0.13	-0.39	-0.31	0.05	-0.18	10.54	-322.48	-16.84	-295.11-91.47
		138	0.16	0.29	-0.29	-0.28	0.28	0.08	104.57	17.46	39.82	82.21-38.05
65	16	101	0.76	0.67	0.20	0.56	0.31	-0.20	148.95	-361.89	24.25	-237.19 -
219.44												
		49	0.85	0.94	0.46	0.69	0.70	-0.24	482.41	-42.37	67.77	372.26 -
213.70												
		137	0.49	0.84	0.27	0.27	0.83	-0.06	324.06	113.00	115.03	322.03 20.60
		138	0.36	0.46	0.19	0.20	0.45	-0.05	-11.68	-218.38	-12.23	-217.83 10.63
65	17	101	0.91	-0.21	-0.95	-0.79	-0.37	0.31	437.97	-168.62	-10.63	279.99
266.22												
		49	1.25	-0.52	-1.21	-0.93	-0.81	0.34	20.90	-733.23	-108.94	-603.39
284.70												
		137	0.86	-0.66	-1.07	-0.75	-0.98	0.17	-89.11	-548.58	-96.47	-541.22-57.69
		138	0.46	-0.44	-0.78	-0.67	-0.55	0.16	297.04	61.10	85.57	272.57-71.94
65	18	101	0.36	-0.30	-0.98	-0.97	-0.31	-0.10	-39.44	-224.07	-209.20	-54.31-50.24
		49	0.25	-0.08	-1.00	-0.95	-0.13	0.21	-6.78	-142.28	-133.15	-15.90 33.96
		137	0.20	0.10	-0.47	-0.16	-0.20	0.28	113.69	-2.38	35.40	75.92 54.38
		138	0.11	-0.19	-0.39	-0.19	-0.38	0.03	41.39	-35.33	33.53	-27.47-23.26
65	19	101	0.46	0.82	0.20	0.76	0.26	0.18	286.47	47.50	234.91	99.06 98.30
		49	0.47	0.75	0.03	0.73	0.05	-0.12	104.50	-207.24	101.86	-204.60 28.58
		137	0.55	0.16	-0.37	-0.30	0.08	-0.19	13.48	-324.19	-17.85	-292.86-97.97
		138	0.15	0.12	-0.08	-0.04	0.07	0.09	98.71	15.16	37.32	76.55-36.88
65	20	101	0.75	0.75	0.23	0.65	0.33	-0.21	171.51	-336.85	60.30	-225.63 -
210.16												
		49	0.87	1.00	0.48	0.77	0.70	-0.26	502.47	-27.10	101.52	373.85 -
227.09												
		137	0.47	0.85	0.30	0.31	0.83	-0.10	309.81	108.70	108.72	309.79 2.10
		138	0.36	0.48	0.24	0.47	0.25	-0.05	-15.78	-221.35	-16.45	-220.68 11.68
65	21	101	0.90	-0.24	-1.03	-0.88	-0.39	0.31	412.28	-190.53	-46.68	268.43
256.95												
		49	1.27	-0.53	-1.28	-1.01	-0.81	0.36	3.38	-751.04	-142.68	-604.98
298.09												
		137	0.84	-0.66	-1.11	-0.79	-0.98	0.20	-86.68	-532.45	-90.16	-528.98-39.19
		138	0.46	-0.31	-0.98	-0.94	-0.35	0.16	300.68	64.53	89.79	275.42-72.98
65	22	101	0.38	-0.31	-0.99	-0.98	-0.32	-0.08	-41.50	-236.05	-221.29	-56.26-51.52
		49	0.27	-0.10	-1.02	-0.96	-0.15	0.22	-12.73	-156.83	-143.02	-26.54 42.42

		137	0.21	0.09	-0.50	-0.18	-0.23	0.29	118.71	-8.63	36.41	73.67	60.88
		138	0.11	-0.17	-0.43	-0.43	-0.18	0.02	44.96	-30.74	36.02	-21.81	-24.42
65	23	101	0.48	0.86	0.21	0.80	0.27	0.19	300.19	50.56	246.89	103.86	
102.30													
		49	0.49	0.78	0.02	0.76	0.04	-0.12	115.89	-211.22	113.80	-209.12	26.12
		137	0.57	0.16	-0.38	-0.29	0.07	-0.20	13.92	-334.53	-20.50	-300.11	-
103.97													
		138	0.16	0.12	-0.07	-0.02	0.08	0.08	99.57	14.84	36.46	77.95	-36.94
65	24	101	0.76	0.73	0.21	0.62	0.33	-0.21	164.46	-346.58	48.32	-230.44	-
214.16													
		49	0.87	0.98	0.48	0.74	0.72	-0.25	501.01	-33.06	89.58	378.37	-
224.63													
		137	0.48	0.86	0.29	0.30	0.84	-0.08	317.35	111.05	111.37	317.03	8.10
		138	0.36	0.47	0.23	0.46	0.25	-0.05	-14.92	-222.75	-15.58	-222.09	11.73
65	25	101	0.91	-0.22	-1.00	-0.84	-0.38	0.32	422.25	-183.71	-34.70	273.23	
260.94													
		49	1.27	-0.53	-1.26	-0.98	-0.82	0.36	10.27	-750.52	-130.75	-609.50	
295.63													
		137	0.85	-0.67	-1.11	-0.78	-0.99	0.19	-88.25	-540.78	-92.81	-536.22	-45.19
		138	0.46	-0.31	-0.97	-0.93	-0.35	0.16	301.88	63.88	88.93	276.83	-73.04
65	26	101	0.40	-0.31	-1.03	-1.02	-0.33	-0.09	-44.72	-249.61	-233.27	-61.06	-55.52
		49	0.29	-0.09	-1.05	-1.00	-0.14	0.23	-8.28	-168.70	-154.96	-22.01	44.88
		137	0.23	0.10	-0.51	-0.19	-0.22	0.31	130.07	-10.09	39.06	80.92	66.88
		138	0.12	-0.18	-0.45	-0.45	-0.18	0.02	45.52	-31.85	36.89	-23.21	-24.37
65	27	101	1.69	0.83	-0.59	0.29	-0.05	0.69	955.99	-88.03	332.84	535.12	
512.12													
		49	2.12	0.10	-1.05	0.05	-1.01	0.22	162.33	-1173.62	10.12	-1021.41	
424.47													
		137	1.76	-1.03	-1.34	-1.19	-1.18	-0.15	-150.59	-1116.22	-189.72	-1077.09	-
190.40													
		138	0.81	-0.13	-1.11	-1.02	-0.22	0.27	522.35	91.27	119.42	494.20	-
106.51													
65	28	101	1.70	0.69	-0.56	-0.06	0.18	-0.61	138.98	-935.36	-249.19	-547.18	-
516.09													
		49	1.96	1.22	0.15	0.20	1.16	-0.25	1077.92	-162.20	8.99	906.73	-
427.77													
		137	1.48	1.38	0.80	0.84	1.33	0.15	959.91	204.00	232.17	931.74	
143.18													
		138	0.80	0.76	0.27	0.67	0.36	-0.19	-52.89	-503.47	-59.80	-496.57	55.36
65	29	101	1.85	0.52	-0.92	-0.17	-0.23	0.72	1012.56	-159.77	262.81	589.98	
562.88													
		49	2.37	-0.31	-1.39	-0.44	-1.26	0.35	143.93	-1331.94	-50.16	-1137.86	
498.77													
		137	1.86	-1.31	-1.50	-1.32	-1.49	-0.05	-180.13	-1184.40	-213.61	-1150.93	-
180.27													
		138	0.90	-0.35	-1.25	-1.14	-0.47	0.30	581.66	102.80	133.15	551.31	-
116.67													
65	30	101	1.54	0.37	-0.90	-0.52	-7.10e-03	-0.58	67.54	-879.08	-319.23	-492.32	-
465.33													
		49	1.72	0.92	-0.30	-0.29	0.91	-0.11	919.04	-180.05	-51.29	790.28	-
353.47													
		137	1.38	1.17	0.57	0.71	1.03	0.26	892.27	173.91	208.28	857.90	
153.31													
		138	0.71	0.61	0.06	0.55	0.11	-0.17	-40.95	-444.58	-46.08	-439.46	45.20
65	31	101	1.70	0.84	-0.57	0.31	-0.04	0.68	961.67	-84.46	340.07	537.14	
513.70													
		49	2.12	0.11	-1.05	0.07	-1.01	0.21	166.27	-1169.18	16.66	-1019.58	
421.20													
		137	1.77	-1.02	-1.34	-1.18	-1.17	-0.16	-150.21	-1119.20	-190.82	-1078.59	-
194.15													
		138	0.81	-0.18	-1.05	-0.95	-0.28	0.28	520.93	90.41	118.41	492.92	-
106.17													
65	32	101	1.70	0.70	-0.55	-0.04	0.18	-0.62	142.81	-929.94	-241.97	-545.16	-
514.51													
		49	1.97	1.23	0.16	0.22	1.17	-0.25	1082.68	-158.58	15.53	908.56	-
431.05													
		137	1.47	1.38	0.81	0.85	1.34	0.15	957.02	204.29	231.07	930.24	
139.43													
		138	0.80	0.82	0.23	0.75	0.30	-0.19	-53.82	-504.83	-60.81	-497.84	55.70
65	33	101	1.85	0.51	-0.93	-0.18	-0.24	0.72	1007.15	-163.61	255.59	587.95	
561.29													
		49	2.37	-0.32	-1.40	-0.45	-1.27	0.36	140.23	-1336.62	-56.70	-1139.69	

502.05													
		137	1.85	-1.32	-1.50	-1.33	-1.49	-0.04	-180.36	-1181.58	-212.51	-1149.43	-
176.52													
		138	0.90	-0.31	-1.31	-1.22	-0.41	0.30	583.08	103.66	134.16	552.58	-
117.00													
65	34	101	1.55	0.36	-0.91	-0.53	-0.01	-0.58	64.01	-884.80	-326.45	-494.34	-
466.92													
		49	1.71	0.92	-0.31	-0.30	0.91	-0.11	914.57	-183.95	-57.83	788.45	-
350.20													
		137	1.39	1.17	0.55	0.70	1.02	0.26	895.37	173.42	209.38	859.40	
157.06													
		138	0.71	0.55	0.10	0.48	0.18	-0.17	-40.01	-443.24	-45.07	-438.18	44.87
65	35	101	1.74	0.94	-0.55	0.42	-0.02	0.71	994.91	-71.00	372.78	551.13	
525.44													
		49	2.16	0.19	-1.08	0.16	-1.05	0.20	191.07	-1177.64	49.92	-1036.49	
416.26													
		137	1.81	-0.99	-1.38	-1.15	-1.21	-0.19	-151.93	-1147.88	-198.56	-1101.24	-
210.40													
		138	0.82	-0.12	-1.06	-0.98	-0.21	0.26	526.64	88.79	116.55	498.88	-
106.70													
65	36	101	1.75	0.64	-0.67	-0.18	0.16	-0.64	120.71	-973.02	-289.12	-563.19	-
529.42													
		49	2.00	1.25	0.05	0.10	1.20	-0.23	1080.25	-189.24	-30.81	921.81	-
419.56													
		137	1.53	1.43	0.75	0.81	1.37	0.19	991.37	205.53	241.02	955.89	
163.18													
		138	0.81	0.72	0.26	0.63	0.35	-0.18	-50.09	-508.09	-56.93	-501.24	55.55
65	37	101	1.90	0.62	-0.87	-0.04	-0.21	0.74	1050.18	-141.45	302.74	605.99	
576.20													
		49	2.40	-0.22	-1.41	-0.33	-1.30	0.34	171.36	-1334.66	-10.36	-1152.94	
490.56													
		137	1.91	-1.26	-1.55	-1.29	-1.52	-0.09	-182.07	-1215.47	-222.46	-1175.08	-
200.27													
		138	0.91	-0.34	-1.21	-1.09	-0.46	0.29	585.95	100.31	130.28	555.98	-
116.86													
65	38	101	1.59	0.34	-1.02	-0.64	-0.03	-0.61	50.69	-918.18	-359.16	-508.33	-
478.66													
		49	1.76	0.96	-0.40	-0.40	0.95	-0.10	922.92	-208.64	-91.08	805.36	-
345.26													
		137	1.43	1.22	0.52	0.68	1.06	0.30	924.52	174.66	217.12	882.05	
173.31													
		138	0.72	0.56	0.05	0.51	0.10	-0.16	-38.13	-449.21	-43.20	-444.14	45.39
65	39	101	1.75	0.95	-0.53	0.44	-0.02	0.71	1000.66	-67.51	380.00	553.15	
527.03													
		49	2.16	0.21	-1.08	0.18	-1.05	0.20	195.14	-1173.35	56.46	-1034.66	
412.98													
		137	1.82	-0.98	-1.38	-1.15	-1.21	-0.20	-151.45	-1150.95	-199.66	-1102.74	-
214.15													
		138	0.82	-0.17	-1.00	-0.90	-0.27	0.27	525.21	87.93	115.54	497.60	-
106.36													
65	40	101	1.74	0.66	-0.66	-0.17	0.16	-0.64	124.46	-967.53	-281.90	-561.17	-
527.84													
		49	2.00	1.25	0.06	0.11	1.20	-0.24	1084.85	-185.46	-24.26	923.64	-
422.83													
		137	1.52	1.43	0.76	0.82	1.38	0.19	988.35	205.96	239.92	954.39	
159.43													
		138	0.81	0.77	0.22	0.70	0.29	-0.18	-51.02	-509.44	-57.94	-502.52	55.89
65	41	101	1.89	0.61	-0.88	-0.06	-0.21	0.74	1044.70	-145.21	295.52	603.96	
574.62													
		49	2.40	-0.24	-1.41	-0.34	-1.31	0.34	167.53	-1339.21	-16.90	-1154.78	
493.84													
		137	1.91	-1.27	-1.55	-1.30	-1.53	-0.08	-182.39	-1212.54	-221.36	-1173.58	-
196.52													
		138	0.91	-0.30	-1.27	-1.17	-0.39	0.29	587.38	101.17	131.28	557.26	-
117.19													
65	42	101	1.60	0.33	-1.03	-0.66	-0.04	-0.60	47.24	-923.97	-366.38	-510.35	-
480.24													
		49	1.75	0.95	-0.42	-0.41	0.95	-0.09	918.61	-212.71	-97.62	803.53	-
341.98													
		137	1.44	1.22	0.50	0.67	1.06	0.30	927.74	174.04	218.22	883.55	
177.06													
		138	0.72	0.51	0.09	0.43	0.16	-0.16	-37.19	-447.86	-42.20	-442.86	45.06

65	43	101	0.34	0.60	0.13	0.53	0.20	0.17	214.12	32.29	168.64	77.77	78.75
		49	0.40	0.52	0.01	0.51	0.02	-0.07	65.04	-197.01	59.18	-191.15	38.73
		137	0.46	0.07	-0.35	-0.31	0.03	-0.12	10.28	-270.77	-9.38	-251.11	-71.69
		138	0.15	0.22	-0.29	-0.28	0.21	0.08	94.33	15.39	39.87	69.85	-36.51
65	44	101	0.58	0.52	0.18	0.45	0.25	-0.14	121.44	-270.82	30.19	-179.57	-165.73
		49	0.63	0.72	0.36	0.55	0.54	-0.18	357.36	-31.13	58.90	267.33	-163.92
		137	0.34	0.64	0.17	0.18	0.63	-0.05	227.00	90.51	90.94	226.58	7.64
		138	0.28	0.35	0.12	0.12	0.35	-0.03	-2.73	-165.76	-2.76	-165.74	1.98
65	45	101	0.73	-0.18	-0.80	-0.68	-0.30	0.25	346.69	-140.90	-16.57	222.37	212.52
		49	1.03	-0.42	-1.01	-0.78	-0.64	0.29	8.74	-607.27	-100.07	-498.46	234.92
		137	0.71	-0.55	-0.88	-0.66	-0.78	0.15	-67.09	-451.05	-72.38	-445.77	-44.73
		138	0.38	-0.36	-0.68	-0.59	-0.45	0.14	244.29	52.29	76.10	220.48	-63.29
65	46	101	0.26	-0.24	-0.76	-0.76	-0.25	-0.06	-27.00	-163.00	-155.02	-34.98	-31.96
		49	0.19	-0.08	-0.79	-0.75	-0.12	0.18	-25.98	-114.35	-100.35	-39.98	32.27
		137	0.12	0.05	-0.41	-0.17	-0.18	0.23	64.59	-4.73	27.94	31.92	34.60
		138	0.10	-0.18	-0.32	-0.19	-0.31	0.03	43.90	-25.53	33.48	-15.11	-24.80
65	47	101	0.36	0.63	0.13	0.56	0.20	0.17	224.94	34.78	178.14	81.58	81.91
		49	0.41	0.55	1.66e-03	0.54	0.01	-0.07	73.69	-199.77	68.65	-194.73	36.78
		137	0.47	0.07	-0.34	-0.30	0.02	-0.13	10.38	-278.72	-11.49	-256.85	-76.44
		138	0.15	0.22	-0.28	-0.27	0.21	0.07	94.93	15.21	39.18	70.96	-36.56
65	48	101	0.59	0.50	0.16	0.42	0.24	-0.15	115.98	-278.67	20.68	-183.37	-168.90
		49	0.63	0.71	0.36	0.52	0.55	-0.18	356.38	-36.03	49.43	270.91	-161.96
		137	0.35	0.64	0.17	0.17	0.64	-0.04	233.41	91.95	93.04	232.32	12.39
		138	0.28	0.35	0.11	0.11	0.34	-0.03	-2.05	-166.87	-2.07	-166.85	2.02
65	49	101	0.74	-0.16	-0.78	-0.64	-0.30	0.25	354.74	-135.63	-7.06	226.17	215.68
		49	1.03	-0.41	-0.99	-0.76	-0.65	0.28	14.47	-607.12	-90.60	-502.05	232.96
		137	0.72	-0.56	-0.88	-0.65	-0.79	0.15	-68.09	-457.89	-74.48	-451.51	-49.48
		138	0.38	-0.36	-0.67	-0.58	-0.45	0.14	245.21	51.80	75.42	221.59	-63.33
65	50	101	0.28	-0.25	-0.80	-0.79	-0.25	-0.07	-29.63	-173.67	-164.52	-38.78	-35.13
		49	0.20	-0.07	-0.82	-0.77	-0.11	0.18	-22.92	-123.30	-109.82	-36.40	34.22
		137	0.13	0.06	-0.41	-0.18	-0.18	0.24	73.39	-5.69	30.05	37.66	39.35
		138	0.10	-0.19	-0.32	-0.20	-0.31	0.03	44.29	-26.34	34.16	-16.22	-24.75
65	51	101	0.37	0.63	0.15	0.58	0.20	0.16	233.67	37.39	187.82	83.25	83.05
		49	0.41	0.56	0.02	0.55	0.03	-0.08	79.90	-189.77	76.50	-186.37	30.09
		137	0.48	0.09	-0.33	-0.28	0.04	-0.14	12.56	-280.11	-12.36	-255.19	-81.68
		138	0.14	0.09	-0.12	-0.08	0.05	0.08	90.38	13.32	37.20	66.50	-35.64
65	52	101	0.58	0.57	0.18	0.49	0.26	-0.15	133.96	-258.68	49.37	-174.09	-161.43
		49	0.65	0.76	0.37	0.59	0.55	-0.19	372.58	-24.25	76.22	272.11	-172.56
		137	0.33	0.65	0.19	0.20	0.64	-0.07	222.53	87.92	87.96	222.49	-2.35
		138	0.28	0.33	0.18	0.32	0.19	-0.03	-5.37	-169.13	-5.42	-169.08	2.85
65	53	101	0.73	-0.19	-0.84	-0.72	-0.31	0.26	334.10	-152.96	-35.75	216.89	208.21
		49	1.05	-0.43	-1.04	-0.82	-0.65	0.30	0.40	-621.03	-117.38	-503.24	243.56
		137	0.70	-0.55	-0.92	-0.68	-0.79	0.17	-66.19	-444.89	-69.40	-441.68	-34.74
		138	0.38	-0.25	-0.83	-0.79	-0.29	0.14	248.13	54.46	78.77	223.82	-64.16
65	54	101	0.29	-0.25	-0.81	-0.80	-0.26	-0.05	-31.25	-183.40	-174.20	-40.45	-36.27
		49	0.22	-0.08	-0.84	-0.79	-0.13	0.19	-26.42	-136.01	-117.67	-44.76	40.91
		137	0.15	0.05	-0.44	-0.20	-0.19	0.24	78.12	-11.20	30.92	36.00	44.59
		138	0.11	-0.15	-0.39	-0.39	-0.15	0.03	47.30	-22.92	36.14	-11.76	-25.67
65	55	101	0.39	0.67	0.15	0.61	0.21	0.16	244.53	39.85	197.32	87.06	86.22
		49	0.42	0.59	8.47e-03	0.58	0.02	-0.08	88.81	-192.79	85.97	-189.95	28.14
		137	0.49	0.09	-0.33	-0.27	0.03	-0.15	12.83	-288.22	-14.46	-260.93	-86.43
		138	0.14	0.09	-0.11	-0.07	0.05	0.08	90.99	13.14	36.52	67.61	-35.68
65	56	101	0.59	0.55	0.17	0.46	0.25	-0.16	128.32	-266.36	39.86	-177.90	-164.59
		49	0.65	0.75	0.37	0.56	0.56	-0.19	371.27	-28.83	66.75	275.69	-170.60
		137	0.34	0.66	0.19	0.19	0.65	-0.06	228.27	90.02	90.06	228.23	2.40
		138	0.28	0.32	0.18	0.31	0.18	-0.03	-4.69	-170.24	-4.74	-170.19	2.90
65	57	101	0.73	-0.17	-0.82	-0.69	-0.30	0.26	342.02	-147.56	-26.24	220.69	211.37

		49	1.05	-0.42	-1.03	-0.80	-0.66	0.29	5.93	-620.67	-107.92	-506.83
241.60												
		137	0.71	-0.56	-0.91	-0.67	-0.80	0.16	-67.40	-451.52	-71.50	-447.42-39.49
		138	0.38	-0.25	-0.82	-0.78	-0.29	0.14	249.04	53.97	78.08	224.93-64.20
65	58	101	0.31	-0.26	-0.84	-0.83	-0.26	-0.06	-33.88	-194.08	-183.70	-44.26-39.43
		49	0.24	-0.07	-0.86	-0.81	-0.12	0.19	-23.46	-144.85	-127.14	-41.18 42.86
		137	0.16	0.06	-0.45	-0.20	-0.19	0.25	86.92	-12.15	33.02	41.75 49.34
		138	0.11	-0.15	-0.40	-0.40	-0.15	0.03	47.67	-23.72	36.83	-12.87-25.62
65	59	101	1.35	0.65	-0.49	0.21	-0.04	0.56	765.80	-71.85	265.34	428.61
410.79												
		49	1.72	0.06	-0.85	0.02	-0.81	0.18	126.86	-956.68	3.78	-833.60
343.83												
		137	1.44	-0.86	-1.08	-0.99	-0.95	-0.11	-116.92	-908.08	-148.47	-876.53 -
154.80												
		138	0.65	-0.11	-0.93	-0.86	-0.18	0.23	423.10	76.58	102.28	397.41-90.79
65	60	101	1.33	0.52	-0.45	-0.07	0.14	-0.47	107.93	-733.28	-196.16	-429.19 -
404.14												
		49	1.51	0.95	0.10	0.14	0.91	-0.18	827.99	-130.49	2.83	694.67 -
331.68												
		137	1.13	1.08	0.58	0.62	1.04	0.13	737.53	164.14	185.93	715.74
109.62												
		138	0.63	0.56	0.21	0.48	0.28	-0.14	-35.80	-391.86	-39.80	-387.86 37.51
65	61	101	1.48	0.41	-0.75	-0.16	-0.19	0.58	810.48	-128.71	209.78	471.99
450.92												
		49	1.92	-0.26	-1.12	-0.37	-1.01	0.29	112.22	-1082.01	-44.00	-925.80
402.68												
		137	1.51	-1.09	-1.20	-1.10	-1.19	-0.03	-140.28	-962.02	-167.37	-934.93 -
146.71												
		138	0.73	-0.29	-1.04	-0.95	-0.38	0.25	469.97	85.78	113.15	442.60-98.82
65	62	101	1.21	0.28	-0.72	-0.43	-0.01	-0.45	51.36	-688.90	-251.72	-385.81 -
364.01												
		49	1.32	0.72	-0.26	-0.25	0.71	-0.08	702.11	-144.58	-44.95	602.47 -
272.82												
		137	1.06	0.91	0.40	0.51	0.80	0.22	684.14	140.24	167.03	657.34
117.71												
		138	0.56	0.43	0.04	0.39	0.08	-0.12	-26.18	-345.42	-28.93	-342.67 29.48
65	63	101	1.36	0.66	-0.48	0.22	-0.04	0.55	770.37	-69.02	271.09	430.26
412.08												
		49	1.72	0.07	-0.85	0.03	-0.81	0.18	129.99	-953.19	8.97	-832.17
341.23												
		137	1.44	-0.85	-1.08	-0.99	-0.94	-0.11	-116.65	-910.47	-149.36	-877.76 -
157.79												
		138	0.65	-0.15	-0.88	-0.80	-0.23	0.23	421.98	75.91	101.48	396.41-90.53
65	64	101	1.33	0.53	-0.44	-0.05	0.14	-0.48	110.96	-728.91	-190.41	-427.55 -
402.85												
		49	1.52	0.96	0.11	0.15	0.91	-0.19	831.75	-127.63	8.02	696.10 -
334.27												
		137	1.13	1.08	0.59	0.63	1.04	0.13	735.18	164.37	185.03	714.51
106.62												
		138	0.63	0.60	0.18	0.54	0.23	-0.14	-36.55	-392.92	-40.60	-388.87 37.77
65	65	101	1.48	0.40	-0.76	-0.17	-0.19	0.58	806.12	-131.75	204.03	470.35
449.63												
		49	1.92	-0.27	-1.13	-0.38	-1.01	0.29	109.27	-1085.69	-49.19	-927.23
405.27												
		137	1.51	-1.10	-1.20	-1.11	-1.19	-0.02	-140.44	-959.74	-166.47	-933.70 -
143.71												
		138	0.73	-0.25	-1.09	-1.01	-0.33	0.25	471.09	86.46	113.95	443.61-99.08
65	66	101	1.21	0.27	-0.72	-0.44	-0.01	-0.45	48.57	-693.50	-257.48	-387.46 -
365.30												
		49	1.32	0.71	-0.27	-0.26	0.71	-0.07	698.57	-147.68	-50.14	601.04 -
270.23												
		137	1.06	0.91	0.39	0.51	0.79	0.22	686.66	139.83	167.92	658.57
120.70												
		138	0.55	0.39	0.07	0.33	0.13	-0.12	-25.43	-344.37	-28.13	-341.67 29.22
65	67	101	1.39	0.74	-0.45	0.31	-0.02	0.57	796.63	-58.31	297.02	441.30
421.34												
		49	1.75	0.13	-0.87	0.10	-0.84	0.17	149.66	-959.87	35.34	-845.55
337.31												
		137	1.48	-0.83	-1.11	-0.96	-0.98	-0.14	-118.03	-933.12	-155.48	-895.67 -
170.65												
		138	0.66	-0.11	-0.89	-0.82	-0.17	0.22	426.45	74.67	100.00	401.12-90.94
65	68	101	1.37	0.49	-0.54	-0.17	0.12	-0.49	93.41	-763.13	-227.84	-441.88 -

414.69													
		49	1.54	0.97	0.02	0.05	0.94	-0.17	829.77	-151.89	-28.73	706.61	-
325.17													
		137	1.17	1.12	0.54	0.59	1.07	0.16	762.52	165.30	192.94	734.88	
125.47													
		138	0.64	0.52	0.20	0.45	0.27	-0.13	-33.56	-395.53	-37.52	-391.57	37.66
65	69	101	1.52	0.49	-0.71	-0.06	-0.17	0.60	840.29	-114.15	241.46	484.68	
461.47													
		49	1.95	-0.19	-1.13	-0.29	-1.04	0.28	134.00	-1084.18	-12.44	-937.74	
396.17													
		137	1.55	-1.05	-1.24	-1.07	-1.22	-0.06	-141.84	-986.60	-174.38	-954.07	-
162.56													
		138	0.73	-0.28	-1.01	-0.92	-0.37	0.24	473.33	83.84	110.87	446.31	-98.97
65	70	101	1.25	0.25	-0.81	-0.53	-0.03	-0.47	38.00	-719.90	-283.41	-398.50	-
374.55													
		49	1.35	0.75	-0.34	-0.34	0.74	-0.07	705.15	-167.24	-76.50	614.42	-
266.31													
		137	1.10	0.96	0.36	0.49	0.83	0.25	709.78	140.74	174.04	676.48	
133.56													
		138	0.56	0.39	0.03	0.35	0.07	-0.12	-23.93	-349.10	-26.65	-346.38	29.63
65	71	101	1.40	0.75	-0.45	0.32	-0.02	0.57	801.26	-55.54	302.78	442.94	
422.63													
		49	1.75	0.14	-0.87	0.12	-0.84	0.17	152.90	-956.48	40.53	-844.11	
334.72													
		137	1.48	-0.82	-1.11	-0.96	-0.97	-0.15	-117.68	-935.59	-156.37	-896.90	-
173.65													
		138	0.66	-0.14	-0.84	-0.76	-0.22	0.22	425.33	73.99	99.20	400.11	-90.67
65	72	101	1.36	0.50	-0.53	-0.16	0.12	-0.50	96.38	-758.70	-222.09	-440.24	-
413.39													
		49	1.54	0.98	0.03	0.06	0.94	-0.18	833.40	-148.89	-23.53	708.04	-
327.76													
		137	1.17	1.12	0.55	0.60	1.07	0.16	760.06	165.64	192.05	733.65	
122.47													
		138	0.64	0.56	0.17	0.51	0.22	-0.13	-34.31	-396.58	-38.32	-392.57	37.92
65	73	101	1.51	0.48	-0.72	-0.07	-0.17	0.60	835.88	-117.13	235.71	483.04	
460.18													
		49	1.95	-0.20	-1.14	-0.30	-1.04	0.28	130.95	-1087.76	-17.63	-939.17	
398.76													
		137	1.55	-1.06	-1.24	-1.08	-1.22	-0.05	-142.08	-984.25	-173.49	-952.84	-
159.56													
		138	0.73	-0.24	-1.05	-0.98	-0.32	0.24	474.45	84.53	111.67	447.31	-99.23
65	74	101	1.25	0.24	-0.82	-0.54	-0.03	-0.46	35.27	-724.57	-289.16	-400.15	-
375.85													
		49	1.35	0.74	-0.35	-0.35	0.74	-0.06	701.75	-170.47	-81.70	612.98	-
263.72													
		137	1.10	0.96	0.35	0.48	0.82	0.25	712.40	140.24	174.93	677.71	
136.56													
		138	0.56	0.35	0.06	0.29	0.12	-0.12	-23.18	-348.05	-25.85	-345.37	29.37
65	75	101	0.29	0.49	0.09	0.42	0.16	0.15	182.26	26.18	140.50	67.94	69.09
		49	0.36	0.41	2.62e-03	0.40	8.60e-03	-0.05	51.66	-184.34	45.32	-178.00	38.17
		137	0.42	0.04	-0.32	-0.30	0.02	-0.09	10.34	-242.96	-6.12	-226.50	-62.43
		138	0.14	0.18	-0.28	-0.27	0.16	0.07	88.21	13.56	39.32	62.45	-35.49
65	76	101	0.47	0.41	0.15	0.35	0.20	-0.11	98.70	-217.34	26.09	-144.73	-
132.95													
		49	0.49	0.57	0.29	0.43	0.44	-0.14	273.95	-27.97	45.08	200.89	-
129.30													
		137	0.25	0.51	0.10	0.10	0.51	-0.03	168.37	76.68	76.79	168.26	3.12
		138	0.23	0.28	0.06	0.06	0.28	-0.02	4.20	-132.34	4.10	-132.24	-3.68
65	77	101	0.62	-0.15	-0.68	-0.58	-0.25	0.21	293.20	-118.15	-12.47	187.52	
179.73													
		49	0.89	-0.35	-0.86	-0.67	-0.54	0.25	5.46	-523.73	-86.25	-432.02	
200.31													
		137	0.62	-0.48	-0.76	-0.58	-0.66	0.14	-53.39	-392.29	-58.23	-387.45	-40.21
		138	0.33	-0.31	-0.60	-0.53	-0.38	0.12	210.49	45.74	69.25	186.98	-57.62
65	78	101	0.21	-0.21	-0.65	-0.65	-0.21	-0.04	-20.47	-131.56	-126.89	-25.15	-22.31
		49	0.17	-0.07	-0.68	-0.64	-0.11	0.15	-32.98	-106.63	-86.48	-53.13	32.83
		137	0.09	0.02	-0.37	-0.18	-0.17	0.20	42.78	-10.80	24.68	7.31	25.34
		138	0.10	-0.18	-0.28	-0.20	-0.27	0.03	46.35	-20.04	34.03	-7.71	-25.82
65	79	101	0.31	0.51	0.10	0.45	0.16	0.15	191.18	28.27	148.36	71.09	71.71
		49	0.37	0.43	-5.14e-03	0.43	1.08e-03	-0.05	58.72	-186.54	53.14	-180.96	36.55
		137	0.43	0.04	-0.32	-0.29	7.73e-03	-0.10	10.37	-249.47	-7.86	-231.24	-66.36
		138	0.14	0.18	-0.27	-0.26	0.17	0.07	88.66	13.46	38.75	63.37	-35.53

65	80	101	0.47	0.39	0.13	0.33	0.20	-0.11	94.16	-223.80	18.24	-147.87	-135.56
		49	0.49	0.57	0.29	0.41	0.44	-0.14	273.01	-31.90	37.26	203.85	-127.69
		137	0.26	0.52	0.10	0.10	0.52	-0.02	173.53	78.00	78.53	173.01	7.05
		138	0.23	0.28	0.05	0.05	0.28	-0.02	4.76	-133.25	4.66	-133.16	-3.65
65	81	101	0.62	-0.14	-0.67	-0.55	-0.25	0.22	299.87	-113.82	-4.62	190.67	182.35
		49	0.89	-0.35	-0.84	-0.65	-0.54	0.24	10.24	-523.65	-78.42	-434.98	198.69
		137	0.63	-0.48	-0.76	-0.58	-0.67	0.13	-54.20	-397.96	-59.97	-392.20	-44.14
		138	0.33	-0.31	-0.59	-0.52	-0.38	0.12	211.22	45.36	68.69	187.90	-57.66
65	82	101	0.23	-0.21	-0.68	-0.67	-0.21	-0.05	-22.74	-140.29	-134.74	-28.29	-24.92
		49	0.18	-0.06	-0.70	-0.66	-0.10	0.16	-31.33	-113.15	-94.31	-50.17	34.45
		137	0.10	0.03	-0.38	-0.19	-0.16	0.20	49.38	-10.91	26.42	12.05	29.27
		138	0.10	-0.19	-0.28	-0.21	-0.27	0.03	46.62	-20.66	34.59	-8.63	-25.78
65	83	101	0.32	0.51	0.11	0.46	0.16	0.14	198.28	30.52	156.34	72.46	72.64
		49	0.37	0.44	8.39e-03	0.44	0.02	-0.06	63.68	-178.10	59.63	-174.05	31.03
		137	0.43	0.06	-0.31	-0.28	0.02	-0.11	12.08	-250.51	-8.57	-229.87	-70.68
		138	0.13	0.06	-0.14	-0.11	0.03	0.07	84.96	11.85	37.12	59.69	-34.77
65	84	101	0.47	0.45	0.15	0.39	0.21	-0.12	109.09	-207.37	41.93	-140.21	-129.40
		49	0.50	0.60	0.30	0.47	0.44	-0.15	286.73	-22.50	59.39	204.84	-136.44
		137	0.25	0.52	0.12	0.12	0.52	-0.05	165.18	74.05	74.34	164.89	-5.13
		138	0.23	0.23	0.14	0.23	0.15	-0.02	1.96	-135.06	1.89	-135.00	-2.96
65	85	101	0.61	-0.15	-0.72	-0.61	-0.26	0.22	282.79	-128.09	-28.31	183.01	176.18
		49	0.90	-0.36	-0.89	-0.70	-0.54	0.25	-1.51	-535.03	-100.56	-435.98	207.45
		137	0.61	-0.48	-0.79	-0.60	-0.67	0.15	-52.69	-387.17	-55.78	-384.08	-31.96
		138	0.33	-0.22	-0.73	-0.70	-0.25	0.12	213.68	47.52	71.45	189.74	-58.35
65	86	101	0.24	-0.21	-0.68	-0.68	-0.22	-0.03	-24.03	-148.36	-142.73	-29.66	-25.86
		49	0.20	-0.07	-0.71	-0.67	-0.12	0.16	-33.38	-124.50	-100.79	-57.08	39.97
		137	0.11	0.02	-0.40	-0.20	-0.17	0.21	53.49	-15.68	27.13	10.68	33.59
		138	0.10	-0.13	-0.37	-0.36	-0.13	0.03	49.23	-17.95	36.23	-4.95	-26.54
65	87	101	0.33	0.54	0.11	0.48	0.17	0.14	207.23	32.57	164.20	75.60	75.26
		49	0.38	0.46	6.57e-04	0.46	8.75e-03	-0.06	70.94	-180.50	67.45	-177.01	29.41
		137	0.44	0.06	-0.31	-0.27	0.02	-0.11	12.24	-257.16	-10.31	-234.61	-74.61
		138	0.14	0.07	-0.13	-0.10	0.03	0.07	85.40	11.75	36.55	60.61	-34.81
65	88	101	0.47	0.43	0.14	0.36	0.20	-0.12	104.41	-213.70	34.08	-143.36	-132.01
		49	0.51	0.59	0.30	0.44	0.45	-0.15	285.51	-26.14	51.57	207.81	-134.83
		137	0.25	0.53	0.11	0.12	0.52	-0.04	169.65	76.06	76.07	169.64	-1.20
		138	0.23	0.22	0.14	0.22	0.14	-0.02	2.52	-135.98	2.46	-135.92	-2.92
65	89	101	0.62	-0.14	-0.70	-0.59	-0.26	0.23	289.35	-123.65	-20.46	186.16	178.80
		49	0.90	-0.36	-0.87	-0.68	-0.55	0.25	3.11	-534.78	-92.73	-438.94	205.83
		137	0.62	-0.49	-0.78	-0.60	-0.67	0.14	-53.67	-392.67	-57.51	-388.83	-35.89
		138	0.33	-0.21	-0.72	-0.69	-0.25	0.12	214.41	47.14	70.89	190.66	-58.38
65	90	101	0.25	-0.22	-0.71	-0.71	-0.22	-0.04	-26.28	-157.10	-150.58	-32.81	-28.47
		49	0.21	-0.07	-0.74	-0.69	-0.11	0.17	-31.65	-131.09	-108.62	-54.12	41.59
		137	0.12	0.03	-0.41	-0.21	-0.17	0.22	60.26	-15.97	28.87	15.42	37.52
		138	0.11	-0.13	-0.38	-0.37	-0.14	0.03	49.48	-18.55	36.80	-5.87	-26.50
65	91	101	1.13	0.53	-0.42	0.15	-0.04	0.47	639.52	-61.16	220.45	357.91	343.53
		49	1.46	0.03	-0.72	-5.86e-03	-0.68	0.16	103.30	-812.71	-0.46	-708.95	290.30
		137	1.22	-0.74	-0.92	-0.86	-0.80	-0.08	-94.57	-769.89	-121.08	-743.39	-131.14
		138	0.55	-0.10	-0.81	-0.75	-0.16	0.20	357.39	66.66	90.89	333.17	-80.35
65	92	101	1.09	0.41	-0.38	-0.08	0.11	-0.38	87.39	-599.31	-160.93	-350.99	-329.94
		49	1.22	0.77	0.06	0.09	0.74	-0.14	662.23	-109.45	-1.24	554.03	-267.94
		137	0.90	0.88	0.44	0.47	0.85	0.12	590.04	137.71	155.27	572.48	87.38
		138	0.51	0.42	0.16	0.36	0.22	-0.11	-24.26	-318.05	-26.52	-315.79	25.68
65	93	101	1.24	0.33	-0.64	-0.15	-0.16	0.49	676.52	-108.18	174.55	393.79	376.72
		49	1.62	-0.23	-0.94	-0.33	-0.84	0.25	91.17	-916.25	-39.93	-785.16	

338.94													
		137	1.28	-0.95	-1.00	-0.95	-1.00	-0.01	-113.85	-814.53	-136.71	-791.67	-
124.47													
		138	0.61	-0.24	-0.91	-0.83	-0.32	0.21	396.08	74.32	99.87	370.53	-86.99
65	94	101	0.98	0.21	-0.60	-0.38	-0.01	-0.36	40.68	-562.62	-206.83	-315.11	-
296.75													
		49	1.06	0.58	-0.23	-0.23	0.58	-0.05	558.13	-121.02	-40.71	477.82	-
219.30													
		137	0.84	0.74	0.29	0.38	0.65	0.19	545.96	117.87	139.64	524.20	94.05
		138	0.45	0.31	0.02	0.28	0.06	-0.09	-16.16	-279.81	-17.54	-278.43	19.04
65	95	101	1.14	0.54	-0.41	0.16	-0.04	0.47	643.29	-58.82	225.20	359.27	
344.60													
		49	1.46	0.04	-0.71	3.57e-03	-0.68	0.16	105.89	-809.82	3.84	-707.76	
288.16													
		137	1.22	-0.73	-0.92	-0.86	-0.79	-0.09	-94.35	-771.86	-121.81	-744.40	-
133.61													
		138	0.55	-0.13	-0.77	-0.70	-0.20	0.20	356.46	66.11	90.23	332.34	-80.13
65	96	101	1.08	0.42	-0.37	-0.06	0.11	-0.38	89.90	-595.71	-156.18	-349.63	-
328.87													
		49	1.22	0.78	0.07	0.10	0.74	-0.15	665.35	-107.09	3.05	555.21	-
270.08													
		137	0.90	0.88	0.44	0.48	0.85	0.11	588.10	137.91	154.53	571.47	84.91
		138	0.51	0.45	0.14	0.41	0.18	-0.11	-24.88	-318.92	-27.18	-316.62	25.90
65	97	101	1.24	0.33	-0.65	-0.16	-0.16	0.49	672.92	-110.69	169.80	392.43	
375.66													
		49	1.62	-0.23	-0.95	-0.34	-0.85	0.25	88.73	-919.29	-44.22	-786.34	
341.09													
		137	1.28	-0.95	-1.00	-0.95	-1.00	-8.77e-03	-113.98	-812.66	-135.97	-790.66	-
122.00													
		138	0.61	-0.21	-0.95	-0.88	-0.28	0.21	397.01	74.88	100.53	371.36	-87.20
65	98	101	0.99	0.20	-0.61	-0.39	-0.02	-0.36	38.37	-566.42	-211.58	-316.47	-
297.81													
		49	1.05	0.58	-0.24	-0.24	0.58	-0.05	555.20	-123.57	-45.00	476.63	-
217.16													
		137	0.84	0.74	0.28	0.38	0.64	0.19	548.06	117.52	140.37	525.21	96.52
		138	0.45	0.28	0.05	0.23	0.10	-0.09	-15.53	-278.95	-16.88	-277.60	18.82
65	99	101	1.16	0.61	-0.39	0.23	-0.02	0.48	664.98	-49.96	246.63	368.40	
352.25													
		49	1.48	0.09	-0.73	0.07	-0.71	0.15	122.15	-815.35	25.62	-718.82	
284.92													
		137	1.25	-0.72	-0.94	-0.84	-0.82	-0.11	-95.53	-790.55	-126.87	-759.20	-
144.24													
		138	0.56	-0.09	-0.78	-0.72	-0.15	0.19	360.12	65.12	89.01	336.23	-80.47
65	100	101	1.12	0.38	-0.45	-0.16	0.09	-0.40	75.40	-623.99	-187.12	-361.47	-
338.65													
		49	1.24	0.79	-1.21e-03	0.02	0.77	-0.13	663.66	-127.09	-27.32	563.90	-
262.56													
		137	0.94	0.92	0.40	0.45	0.87	0.14	610.75	138.61	161.06	588.30	
100.48													
		138	0.52	0.39	0.15	0.33	0.21	-0.10	-22.39	-321.10	-24.64	-318.85	25.80
65	101	101	1.27	0.40	-0.61	-0.07	-0.15	0.50	701.15	-96.14	200.74	404.27	
385.44													
		49	1.64	-0.17	-0.95	-0.26	-0.87	0.24	109.20	-918.07	-13.85	-795.03	
333.56													
		137	1.32	-0.91	-1.04	-0.93	-1.02	-0.04	-115.17	-834.82	-142.50	-807.49	-
137.57													
		138	0.62	-0.24	-0.87	-0.80	-0.32	0.21	398.82	72.76	97.99	373.59	-87.11
65	102	101	1.02	0.19	-0.68	-0.46	-0.03	-0.38	29.65	-588.26	-233.01	-325.60	-
305.46													
		49	1.08	0.61	-0.30	-0.30	0.60	-0.05	560.63	-139.72	-66.79	487.69	-
213.92													
		137	0.87	0.78	0.25	0.36	0.67	0.21	567.23	118.21	145.43	540.01	
107.15													
		138	0.46	0.28	0.02	0.25	0.05	-0.09	-14.29	-282.87	-15.66	-281.49	19.16
65	103	101	1.17	0.61	-0.39	0.25	-0.02	0.48	668.80	-47.67	251.38	369.75	
353.31													
		49	1.48	0.10	-0.73	0.07	-0.70	0.15	124.83	-812.55	29.91	-717.63	
282.78													
		137	1.26	-0.71	-0.94	-0.83	-0.82	-0.11	-95.24	-792.58	-127.61	-760.21	-
146.71													
		138	0.56	-0.12	-0.74	-0.67	-0.19	0.19	359.18	64.56	88.35	335.40	-80.25
65	104	101	1.11	0.39	-0.44	-0.15	0.10	-0.40	77.85	-620.33	-182.36	-360.12	-

337.59													
		49	1.24	0.79	7.08e-03	0.03	0.77	-0.14	666.67	-124.62	-23.03	565.08	-
264.70													
		137	0.93	0.92	0.41	0.45	0.88	0.14	608.71	138.91	160.33	587.29	98.00
		138	0.52	0.42	0.13	0.38	0.17	-0.10	-23.02	-321.96	-25.30	-319.68	26.02
65	105	101	1.26	0.39	-0.62	-0.08	-0.15	0.51	697.51	-98.60	195.98	402.92	
384.37													
		49	1.65	-0.18	-0.96	-0.27	-0.87	0.24	106.68	-921.03	-18.14	-796.21	
335.70													
		137	1.31	-0.92	-1.04	-0.93	-1.03	-0.03	-115.36	-832.88	-141.77	-806.48	-
135.09													
		138	0.62	-0.21	-0.91	-0.85	-0.28	0.21	399.75	73.32	98.65	374.42	-87.33
65	106	101	1.02	0.18	-0.69	-0.47	-0.03	-0.38	27.40	-592.11	-237.76	-326.95	-
306.53													
		49	1.08	0.60	-0.31	-0.31	0.60	-0.04	557.82	-142.39	-71.08	486.50	-
211.78													
		137	0.88	0.78	0.24	0.35	0.67	0.22	569.41	117.78	146.17	541.02	
109.62													
		138	0.46	0.25	0.04	0.20	0.09	-0.09	-13.66	-282.01	-15.00	-280.66	18.95
66	1	140	0.06	0.03	-0.01	0.02	-4.97e-03	-0.02	16.77	-27.56	5.00	-15.78	19.58
		94	0.05	0.06	0.02	0.03	0.05	-0.02	2.76	-27.03	2.75	-27.02	0.53
		47	0.07	0.04	-0.02	-0.02	0.04	-0.02	-34.80	-45.84	-44.22	-36.42	-3.90
		139	0.08	-5.51e-03	-0.04	-0.03	-0.02	-0.02	-16.26	-50.89	-41.97	-25.18	15.14
66	2	140	0.14	0.23	-0.11	0.16	-0.04	-0.13	-7.56	-86.09	-7.82	-85.84	4.46
		94	0.20	0.69	0.25	0.30	0.65	-0.13	114.67	-2.17	26.54	85.96	-50.30
		47	0.26	0.61	-0.05	-0.02	0.58	-0.13	60.76	-110.32	-108.51	58.95	17.49
		139	0.30	8.56e-03	-0.26	-0.15	-0.10	-0.13	-54.07	-201.65	-142.87	-112.85	72.25
66	3	140	0.05	0.02	-7.27e-03	0.01	-3.20e-03	-9.41e-03	13.69	-20.42	4.08	-10.82	15.34
		94	0.04	0.03	0.01	0.02	0.03	-9.41e-03	1.74	-23.00	1.66	-22.92	1.37
		47	0.05	0.02	-0.02	-0.01	0.02	-9.41e-03	-27.59	-35.03	-32.80	-29.81	-3.41
		139	0.05	-4.42e-03	-0.03	-0.02	-0.01	-9.41e-03	-11.72	-36.37	-30.38	-17.71	10.57
66	4	140	0.13	0.22	-0.10	0.15	-0.04	-0.13	-8.73	-80.87	-8.73	-80.87	0.23
		94	0.20	0.67	0.24	0.29	0.62	-0.13	116.84	-1.32	25.46	90.06	-49.47
		47	0.25	0.59	-0.04	-0.01	0.57	-0.13	67.52	-99.06	-97.09	65.55	17.98
		139	0.28	9.67e-03	-0.25	-0.14	-0.10	-0.13	-49.43	-187.24	-131.28	-105.38	67.68
66	5	140	0.05	0.02	-8.26e-03	0.02	-3.55e-03	-0.01	13.24	-20.86	3.95	-11.57	15.18
		94	0.04	0.04	0.02	0.02	0.03	-0.01	1.95	-21.74	1.92	-21.71	0.83
		47	0.05	0.03	-0.02	-0.01	0.03	-0.01	-27.19	-35.09	-33.49	-28.80	-3.18
		139	0.06	-4.32e-03	-0.03	-0.02	-0.01	-0.01	-12.17	-37.94	-31.46	-18.65	11.18
66	6	140	0.10	0.15	-0.07	0.11	-0.03	-0.09	-4.11	-58.75	-4.59	-58.27	5.11
		94	0.13	0.46	0.17	0.20	0.43	-0.09	73.30	-1.91	17.78	53.61	-33.06
		47	0.17	0.41	-0.03	-0.01	0.39	-0.09	35.88	-77.44	-76.35	34.78	11.08
		139	0.21	4.98e-03	-0.18	-0.10	-0.07	-0.09	-37.49	-138.33	-98.72	-77.09	49.25
66	7	140	0.05	0.02	-8.26e-03	0.02	-3.55e-03	-0.01	13.24	-20.86	3.95	-11.57	15.18
		94	0.04	0.04	0.02	0.02	0.03	-0.01	1.95	-21.74	1.92	-21.71	0.83
		47	0.05	0.03	-0.02	-0.01	0.03	-0.01	-27.19	-35.09	-33.49	-28.80	-3.18
		139	0.06	-4.32e-03	-0.03	-0.02	-0.01	-0.01	-12.17	-37.94	-31.46	-18.65	11.18
66	8	140	0.08	0.11	-0.05	0.08	-0.02	-0.07	-0.52	-45.77	-2.03	-44.26	8.13
		94	0.08	0.34	0.12	0.15	0.31	-0.07	46.62	-2.58	13.02	31.01	-22.90
		47	0.13	0.29	-0.03	-0.01	0.28	-0.07	16.29	-64.07	-63.49	15.71	6.80
		139	0.16	2.08e-03	-0.13	-0.08	-0.05	-0.07	-30.05	-108.05	-78.54	-59.56	37.83
66	9	140	0.05	0.02	-8.26e-03	0.02	-3.55e-03	-0.01	13.24	-20.86	3.95	-11.57	15.18
		94	0.04	0.04	0.02	0.02	0.03	-0.01	1.95	-21.74	1.92	-21.71	0.83
		47	0.05	0.03	-0.02	-0.01	0.03	-0.01	-27.19	-35.09	-33.49	-28.80	-3.18
		139	0.06	-4.32e-03	-0.03	-0.02	-0.01	-0.01	-12.17	-37.94	-31.46	-18.65	11.18
66	10	140	0.07	0.10	-0.05	0.07	-0.02	-0.06	0.89	-41.65	-1.18	-39.59	9.14
		94	0.07	0.29	0.11	0.13	0.27	-0.06	37.87	-2.96	11.44	23.48	-19.51
		47	0.11	0.26	-0.03	-0.01	0.24	-0.06	9.77	-59.62	-59.20	9.35	5.38
		139	0.15	1.12e-03	-0.12	-0.07	-0.05	-0.06	-27.56	-97.97	-71.82	-53.72	34.02
66	11	140	0.17	0.60	-0.11	0.46	0.04	-0.29	-11.43	-100.65	-33.76	-78.31	-38.66
		94	0.39	1.14	0.39	0.71	0.82	-0.37	233.65	17.16	41.54	209.27	-68.44
		47	0.37	0.79	0.38	0.43	0.75	-0.13	192.56	-43.68	-34.68	183.56	45.23
		139	0.37	0.54	-0.15	0.38	6.38e-03	-0.29	70.83	-172.03	19.55	-120.75	99.12
66	12	140	0.45	0.42	-0.48	0.15	-0.21	-0.42	231.80	-52.53	69.67	109.60	
140.76													
		94	0.73	0.91	0.06	0.22	0.75	-0.33	-9.16	-436.21	-19.36	-426.00	65.21
		47	0.81	0.88	-0.08	-0.04	0.84	-0.17	-144.03	-538.91	-208.50	-474.44	-
145.96													
		139	0.16	0.09	-0.47	-0.11	-0.28	-0.27	77.01	-22.46	10.16	44.38	-46.70
66	13	140	0.46	0.40	-0.23	-6.16e-03	0.18	0.30	5.29	-266.08	-72.02	-188.77	-
122.48													
		94	0.82	0.16	-0.34	0.04	-0.21	0.22	496.86	18.34	42.23	472.96	-

104.22												
		47	0.89	0.02	-0.37	0.02	-0.36	0.06	546.90	36.33	90.09	493.14
156.71												
		139	0.42	0.26	-0.11	-0.03	0.19	0.15	-38.06	-267.55	-153.80	-151.81
114.74												
66	14	140	0.18	0.02	-0.40	-0.31	-0.07	0.17	74.45	-43.90	31.41	-0.86 56.93
		94	0.27	-0.10	-0.63	-0.45	-0.28	0.25	-12.88	-168.10	-18.67	-162.31 29.42
		47	0.26	-0.26	-0.46	-0.46	-0.26	0.01	-71.06	-177.53	-83.73	-164.86-34.47
		139	0.30	-0.03	-0.59	-0.53	-0.10	0.18	18.63	-168.50	-163.18	13.32-31.08
66	15	140	0.18	0.62	-0.10	0.47	0.05	-0.29	-11.44	-112.18	-39.57	-84.06-45.19
		94	0.42	1.14	0.41	0.72	0.83	-0.36	252.95	17.32	40.87	229.40-70.66
		47	0.40	0.80	0.41	0.45	0.76	-0.12	217.53	-36.41	-24.72	205.84 53.21
		139	0.38	0.57	-0.14	0.41	0.02	-0.29	76.88	-176.90	24.34	-124.35
102.83												
66	16	140	0.47	0.41	-0.49	0.14	-0.22	-0.42	244.04	-53.23	75.47	115.34
147.29												
		94	0.77	0.91	0.05	0.22	0.75	-0.34	-8.30	-456.53	-18.68	-446.14 67.44
		47	0.85	0.87	-0.10	-0.07	0.83	-0.18	-150.09	-565.08	-218.46	-496.72 -
153.94												
		139	0.17	0.06	-0.49	-0.14	-0.29	-0.27	81.40	-28.05	5.37	47.98-50.41
66	17	140	0.48	0.41	-0.22	5.72e-03	0.18	0.30	5.43	-277.77	-77.82	-194.52 -
129.02												
		94	0.85	0.18	-0.34	0.04	-0.20	0.23	516.93	17.72	41.56	493.10 -
106.45												
		47	0.93	0.05	-0.35	0.04	-0.34	0.06	572.80	42.67	100.05	515.42
164.69												
		139	0.43	0.28	-0.09	-7.37e-03	0.20	0.15	-33.72	-270.71	-149.01	-155.41
118.45												
66	18	140	0.20	8.48e-03	-0.42	-0.33	-0.08	0.17	86.54	-44.44	37.22	4.88 63.46
		94	0.31	-0.11	-0.63	-0.46	-0.29	0.24	-12.12	-188.32	-18.00	-182.44 31.65
		47	0.30	-0.27	-0.48	-0.48	-0.27	5.44e-03	-77.28	-203.54	-93.69	-187.14-42.45
		139	0.32	-0.05	-0.62	-0.55	-0.11	0.18	23.25	-174.30	-167.97	16.92-34.78
66	19	140	0.17	0.60	-0.09	0.46	0.05	-0.28	-11.74	-104.20	-36.80	-79.14-41.09
		94	0.41	1.12	0.41	0.72	0.81	-0.35	248.78	18.55	44.83	222.50-73.21
		47	0.81	0.79	0.43	0.47	0.75	-0.11	480.79	-0.52	117.62	362.65
207.14												
		139	0.37	0.54	-0.15	0.39	3.96e-03	-0.29	73.47	-172.98	21.35	-120.86
100.64												
66	20	140	0.44	0.42	-0.47	0.15	-0.20	-0.41	227.61	-52.21	66.63	108.77
138.32												
		94	0.71	0.89	0.08	0.23	0.74	-0.31	-7.07	-421.77	-16.07	-412.77 60.43
		47	0.47	0.87	-0.03	-3.59e-03	0.85	-0.16	-55.14	-296.41	-56.20	-295.35 15.95
		139	0.15	0.09	-0.47	-0.10	-0.28	-0.26	76.10	-19.86	11.97	44.27-45.18
66	21	140	0.45	0.38	-0.23	-8.72e-03	0.16	0.29	5.51	-262.44	-68.98	-187.95 -
120.04												
		94	0.80	0.14	-0.31	0.03	-0.20	0.20	482.05	16.63	38.94	459.73-99.45
		47	0.59	-0.02	-0.36	-0.02	-0.36	0.04	314.12	-62.28	-62.21	314.05 -5.20
		139	0.42	0.26	-0.11	-0.04	0.19	0.15	-40.41	-266.89	-155.60	-151.70
113.22												
66	22	140	0.18	-5.29e-04	-0.40	-0.32	-0.09	0.16	79.03	-44.61	34.45	-0.03 59.37
		94	0.30	-0.11	-0.62	-0.46	-0.27	0.24	-14.68	-182.81	-21.96	-175.54 34.20
		47	0.76	-0.26	-0.49	-0.49	-0.26	-3.78e-03	-86.33	-493.65	-236.03	-343.95 -
196.38												
		139	0.31	-0.03	-0.59	-0.53	-0.09	0.17	19.20	-170.76	-164.99	13.43-32.60
66	23	140	0.19	0.62	-0.08	0.47	0.06	-0.28	-11.63	-115.86	-42.60	-84.88-47.63
		94	0.45	1.12	0.43	0.72	0.82	-0.34	268.05	18.74	44.15	242.64-75.44
		47	0.85	0.80	0.45	0.49	0.76	-0.11	506.92	5.59	127.58	384.93
215.12												
		139	0.38	0.57	-0.14	0.42	0.02	-0.29	79.52	-177.84	26.14	-124.46
104.35												
66	24	140	0.46	0.41	-0.48	0.14	-0.20	-0.41	239.85	-52.90	72.43	114.51
144.85												
		94	0.74	0.89	0.07	0.22	0.74	-0.32	-6.20	-442.11	-15.40	-432.91 62.66
		47	0.50	0.86	-0.06	-0.03	0.83	-0.16	-65.91	-317.88	-66.16	-317.63 7.97
		139	0.16	0.06	-0.49	-0.13	-0.29	-0.26	80.48	-25.43	7.18	47.87-48.89
66	25	140	0.47	0.39	-0.22	3.16e-03	0.17	0.29	5.61	-274.08	-74.79	-193.69 -
126.58												
		94	0.83	0.16	-0.32	0.04	-0.19	0.21	502.15	15.98	38.27	479.86 -
101.67												
		47	0.61	6.77e-03	-0.35	2.22e-04	-0.35	0.05	336.35	-52.27	-52.25	336.33 2.79
		139	0.43	0.28	-0.09	-0.01	0.20	0.15	-36.10	-270.01	-150.82	-155.30
116.93												

66	26	140	0.20	-8.34e-03	-0.42	-0.33	-0.09	0.17	91.11	-45.15	40.25	5.71	65.90
		94	0.33	-0.12	-0.62	-0.46	-0.28	0.23	-13.98	-202.98	-21.28	-195.68	36.43
		47	0.80	-0.27	-0.52	-0.52	-0.28	-9.91e-03	-93.08	-519.13	-245.99	-366.23	-204.36
		139	0.32	-0.05	-0.62	-0.56	-0.11	0.17	23.84	-176.59	-169.78	17.03	-36.30
66	27	140	0.94	0.67	0.36	0.66	0.38	0.07	37.79	-541.82	-167.82	-336.21	-277.31
		94	1.79	1.12	0.47	1.04	0.54	-0.21	1099.58	55.97	112.83	1042.71	-236.88
		47	1.85	0.83	0.25	0.83	0.25	-9.53e-03	1159.25	112.12	211.78	1059.58	307.29
		139	0.95	0.87	0.34	0.81	0.40	-0.17	134.37	-488.82	-30.17	-324.28	274.71
66	28	140	1.03	-0.05	-0.78	-0.37	-0.45	-0.36	559.25	-92.13	176.94	290.17	320.73
		94	1.83	0.32	-0.59	-0.58	0.31	-0.08	-47.80	-1117.23	-90.17	-1074.86	208.61
		47	1.93	0.59	-0.76	-0.74	0.57	-0.16	-245.09	-1256.29	-367.62	-1133.76	-329.98
		139	0.75	-0.52	-0.85	-0.83	-0.54	-0.08	337.99	-173.29	-61.46	226.17	-211.35
66	29	140	1.03	0.72	0.22	0.52	0.42	0.25	42.71	-591.35	-179.30	-369.35	-302.46
		94	1.92	0.84	0.23	0.84	0.23	-0.03	1179.32	55.54	113.04	1121.82	-247.62
		47	2.01	0.71	-0.09	0.71	-0.08	0.05	1266.58	135.09	249.21	1152.46	340.74
		139	0.95	0.69	0.45	0.69	0.45	-0.03	98.49	-514.26	-82.18	-333.60	279.40
66	30	140	0.94	-0.27	-0.65	-0.51	-0.41	-0.19	510.36	-87.86	165.47	257.03	295.58
		94	1.69	0.01	-0.80	-0.79	1.66e-03	0.09	-48.62	-1037.09	-89.96	-995.75	197.87
		47	1.76	0.25	-0.87	-0.86	0.24	-0.11	-222.71	-1148.36	-330.19	-1040.88	-296.54
		139	0.77	-0.48	-0.96	-0.96	-0.49	0.05	316.24	-212.86	-113.46	216.85	-206.67
66	31	140	0.94	0.67	0.36	0.66	0.38	0.07	37.82	-543.01	-168.73	-336.46	-278.04
		94	1.80	1.12	0.47	1.05	0.54	-0.20	1104.03	56.46	113.82	1046.68	-238.32
		47	1.97	0.85	0.25	0.85	0.25	-4.93e-03	1241.95	128.83	257.47	1113.31	355.87
		139	0.95	0.87	0.34	0.81	0.40	-0.16	135.16	-489.10	-29.63	-324.31	275.17
66	32	140	1.03	-0.05	-0.77	-0.37	-0.45	-0.36	558.00	-92.05	176.03	289.92	320.00
		94	1.83	0.32	-0.59	-0.58	0.31	-0.08	-47.25	-1112.82	-89.18	-1070.89	207.17
		47	1.80	0.59	-0.74	-0.73	0.57	-0.16	-228.89	-1173.07	-321.93	-1080.03	-281.41
		139	0.75	-0.52	-0.85	-0.83	-0.54	-0.08	337.71	-172.49	-60.92	226.13	-210.90
66	33	140	1.03	0.71	0.21	0.52	0.41	0.24	42.69	-590.18	-178.39	-369.10	-301.73
		94	1.92	0.84	0.23	0.84	0.24	-0.04	1174.87	55.03	112.05	1117.85	-246.19
		47	1.89	0.70	-0.09	0.70	-0.08	0.04	1185.65	116.61	203.52	1098.73	292.17
		139	0.95	0.69	0.45	0.69	0.45	-0.03	97.70	-513.98	-82.72	-333.56	278.94
66	34	140	0.94	-0.27	-0.66	-0.51	-0.41	-0.19	511.61	-87.95	166.38	257.28	296.31
		94	1.70	0.01	-0.80	-0.79	4.87e-03	0.09	-49.16	-1041.51	-90.95	-999.72	199.30
		47	1.89	0.25	-0.88	-0.87	0.24	-0.11	-237.00	-1233.49	-375.88	-1094.61	-345.11
		139	0.77	-0.48	-0.96	-0.96	-0.49	0.05	316.52	-213.65	-114.00	216.88	-207.12
66	35	140	1.01	0.71	0.39	0.70	0.40	0.06	39.43	-581.95	-187.17	-355.35	-299.10
		94	1.90	1.12	0.51	1.06	0.56	-0.18	1166.36	54.05	110.58	1109.83	-

244.30													
		47	1.97	0.91	0.29	0.91	0.29	0.01	1245.30	133.52	244.97	1133.84	
333.90													
		139	1.00	0.96	0.39	0.90	0.44	-0.17	153.91	-504.40	-14.21	-336.28	
287.07													
66	36	140	1.10	-0.09	-0.80	-0.41	-0.48	-0.36	599.95	-94.35	196.29	309.31	
342.52													
		94	1.95	0.30	-0.62	-0.60	0.29	-0.12	-45.36	-1184.53	-87.92	-1141.98	
216.02													
		47	2.06	0.55	-0.84	-0.82	0.53	-0.18	-265.85	-1342.98	-400.81	-1208.01	-
356.59													
		139	0.80	-0.57	-0.94	-0.92	-0.58	-0.08	354.14	-193.39	-77.42	238.17	-
223.71													
66	37	140	1.10	0.75	0.25	0.56	0.45	0.24	44.29	-631.42	-198.65	-388.49	-
324.25													
		94	2.04	0.86	0.25	0.86	0.25	-4.29e-04	1246.22	53.50	110.79	1188.94	-
255.04													
		47	2.14	0.79	-0.05	0.79	-0.04	0.07	1352.79	156.33	282.40	1226.72	
367.35													
		139	1.00	0.78	0.49	0.78	0.49	-0.04	117.57	-529.38	-66.22	-345.60	
291.76													
66	38	140	1.01	-0.31	-0.68	-0.55	-0.44	-0.18	551.14	-90.15	184.82	276.17	
317.37													
		94	1.81	-0.02	-0.81	-0.80	-0.02	0.06	-46.26	-1104.32	-87.71	-1062.87	
205.29													
		47	1.89	0.21	-0.95	-0.94	0.20	-0.13	-243.57	-1234.95	-363.38	-1115.14	-
323.14													
		139	0.82	-0.53	-1.05	-1.05	-0.53	0.05	332.67	-233.24	-129.42	228.85	-
219.03													
66	39	140	1.01	0.71	0.39	0.70	0.41	0.07	39.47	-583.15	-188.08	-355.60	-
299.83													
		94	1.91	1.12	0.51	1.07	0.56	-0.17	1170.81	54.56	111.57	1113.80	-
245.73													
		47	2.10	0.93	0.29	0.93	0.29	0.02	1328.52	149.71	290.66	1187.57	
382.47													
		139	1.00	0.96	0.39	0.90	0.44	-0.17	154.70	-504.68	-13.67	-336.31	
287.53													
66	40	140	1.10	-0.09	-0.80	-0.41	-0.47	-0.36	598.70	-94.26	195.38	309.06	
341.79													
		94	1.94	0.30	-0.61	-0.60	0.29	-0.11	-44.81	-1180.13	-86.93	-1138.01	
214.59													
		47	1.93	0.55	-0.83	-0.80	0.53	-0.18	-250.19	-1259.23	-355.12	-1154.29	-
308.02													
		139	0.80	-0.57	-0.94	-0.92	-0.59	-0.08	353.85	-192.60	-76.88	238.13	-
223.26													
66	41	140	1.10	0.74	0.25	0.56	0.44	0.24	44.26	-630.23	-197.74	-388.24	-
323.51													
		94	2.03	0.86	0.26	0.86	0.26	-5.66e-03	1241.78	52.99	109.80	1184.97	-
253.60													
		47	2.02	0.78	-0.05	0.78	-0.04	0.06	1271.22	138.49	236.72	1172.99	
318.77													
		139	1.00	0.78	0.49	0.78	0.49	-0.04	116.78	-529.10	-66.76	-345.56	
291.30													
66	42	140	1.01	-0.31	-0.69	-0.55	-0.44	-0.18	552.39	-90.24	185.73	276.42	
318.10													
		94	1.81	-0.01	-0.81	-0.81	-0.02	0.05	-46.80	-1108.73	-88.70	-1066.84	
206.72													
		47	2.02	0.21	-0.97	-0.95	0.20	-0.13	-257.47	-1320.47	-409.07	-1168.87	-
371.72													
		139	0.82	-0.53	-1.05	-1.05	-0.53	0.05	332.95	-234.03	-129.97	228.88	-
219.48													
66	43	140	0.14	0.50	-0.09	0.38	0.03	-0.24	-12.44	-84.91	-27.01	-70.34	-29.05
		94	0.32	0.95	0.34	0.58	0.70	-0.30	193.21	13.69	35.42	171.49	-58.55
		47	0.31	0.67	0.30	0.33	0.64	-0.11	155.19	-46.83	-39.77	148.13	37.08
		139	0.31	0.43	-0.14	0.29	-3.94e-03	-0.24	47.90	-154.36	0.44	-106.91	85.71
66	44	140	0.36	0.36	-0.39	0.13	-0.17	-0.34	180.55	-46.98	54.97	78.60	
113.15													
		94	0.57	0.78	0.07	0.20	0.65	-0.27	-5.97	-338.93	-12.86	-332.05	47.39
		47	0.64	0.74	-0.06	-0.03	0.72	-0.15	-124.85	-426.11	-177.54	-373.41	-
114.45													
		139	0.10	0.07	-0.40	-0.10	-0.23	-0.22	42.14	-25.15	-6.99	23.98	-29.87
66	45	140	0.36	0.31	-0.16	9.79e-03	0.13	0.22	-0.19	-214.90	-57.32	-157.78	-94.88

		94	0.66	0.15	-0.20	0.06	-0.11	0.16	399.52	15.21	35.73	379.00-86.40
		47	0.71	0.01	-0.23	6.78e-03	-0.23	0.03	433.94	17.31	59.13	392.12
125.21												
		139	0.36	0.19	-0.09	-0.04	0.14	0.11	-36.08	-231.97	-136.64	-131.41 97.91
66	46	140	0.15	1.13e-03	-0.30	-0.23	-0.06	0.12	58.11	-42.29	24.66	-8.84 47.32
		94	0.21	-0.04	-0.44	-0.33	-0.16	0.18	-9.23	-127.84	-12.54	-124.53 19.53
		47	0.21	-0.15	-0.36	-0.36	-0.15	-3.80e-03	-67.45	-140.61	-78.64	-129.43-26.33
		139	0.25	-0.05	-0.47	-0.43	-0.09	0.13	1.62	-146.22	-144.08	-0.52-17.67
66	47	140	0.15	0.51	-0.09	0.39	0.04	-0.24	-12.76	-93.75	-31.62	-74.89-34.23
		94	0.35	0.95	0.35	0.59	0.71	-0.29	208.41	13.92	34.88	187.45-60.31
		47	0.34	0.68	0.32	0.35	0.65	-0.11	174.90	-40.99	-31.88	165.79 43.41
		139	0.32	0.45	-0.13	0.31	5.81e-03	-0.24	52.63	-158.16	4.24	-109.76 88.65
66	48	140	0.37	0.35	-0.40	0.12	-0.17	-0.34	190.28	-47.56	59.57	83.15
118.33												
		94	0.60	0.78	0.06	0.20	0.64	-0.28	-5.27	-355.05	-12.32	-348.01 49.15
		47	0.67	0.74	-0.08	-0.05	0.71	-0.15	-129.64	-446.87	-185.43	-391.07 -
120.78												
		139	0.11	0.05	-0.41	-0.12	-0.24	-0.22	45.84	-29.79	-10.79	26.83-32.81
66	49	140	0.38	0.31	-0.15	0.02	0.14	0.22	-0.18	-224.07	-61.92	-162.33 -
100.06												
		94	0.68	0.16	-0.20	0.06	-0.10	0.17	415.41	14.75	35.20	394.96-88.16
		47	0.74	0.03	-0.22	0.03	-0.22	0.04	454.43	22.37	67.03	409.77
131.53												
		139	0.37	0.20	-0.07	-0.02	0.15	0.11	-32.70	-234.41	-132.85	-134.26
100.85												
66	50	140	0.16	-5.08e-03	-0.31	-0.24	-0.07	0.12	67.61	-42.63	29.26	-4.29 52.50
		94	0.23	-0.05	-0.44	-0.33	-0.16	0.18	-8.57	-143.93	-12.01	-140.49 21.30
		47	0.24	-0.16	-0.38	-0.38	-0.16	-8.62e-03	-72.28	-161.34	-86.53	-147.09-32.65
		139	0.26	-0.06	-0.49	-0.45	-0.10	0.13	5.11	-150.65	-147.87	2.33-20.60
66	51	140	0.14	0.50	-0.08	0.38	0.04	-0.23	-12.83	-87.64	-29.44	-71.02-31.09
		94	0.34	0.93	0.35	0.59	0.69	-0.29	205.63	14.80	38.10	182.33-62.48
		47	0.65	0.67	0.33	0.37	0.64	-0.10	380.24	-10.27	80.26	289.70
164.80												
		139	0.31	0.43	-0.14	0.29	-5.69e-03	-0.24	49.98	-155.17	1.83	-107.02 86.94
66	52	140	0.35	0.35	-0.38	0.14	-0.16	-0.33	177.06	-46.60	52.54	77.92
111.11												
		94	0.55	0.76	0.09	0.21	0.64	-0.26	-4.21	-327.16	-10.17	-321.21 43.45
		47	0.36	0.74	-0.03	-1.99e-03	0.72	-0.14	-56.50	-232.85	-57.51	-231.84 13.27
		139	0.10	0.07	-0.39	-0.10	-0.23	-0.22	41.33	-23.07	-5.60	23.87-28.63
66	53	140	0.36	0.29	-0.16	7.81e-03	0.12	0.22	-0.02	-211.96	-54.89	-157.09-92.84
		94	0.64	0.14	-0.18	0.05	-0.10	0.14	387.36	13.85	33.04	368.16-82.47
		47	0.48	-0.02	-0.23	-0.03	-0.23	0.02	250.57	-60.92	-60.90	250.55 -2.51
		139	0.36	0.19	-0.09	-0.05	0.14	0.10	-37.93	-231.40	-138.03	-131.30 96.68
66	54	140	0.15	-0.01	-0.30	-0.24	-0.07	0.12	61.89	-42.95	27.09	-8.15 49.37
		94	0.23	-0.05	-0.43	-0.33	-0.15	0.17	-10.81	-139.79	-15.23	-135.37 23.47
		47	0.60	-0.15	-0.39	-0.39	-0.15	-0.02	-76.61	-393.07	-198.67	-271.00 -
154.04												
		139	0.25	-0.05	-0.48	-0.44	-0.09	0.12	2.01	-147.89	-145.46	-0.41-18.90
66	55	140	0.16	0.51	-0.07	0.39	0.05	-0.23	-13.01	-96.61	-34.04	-75.58-36.27
		94	0.37	0.93	0.36	0.59	0.70	-0.28	220.81	15.05	37.57	198.29-64.24
		47	0.68	0.68	0.35	0.39	0.65	-0.10	400.98	-5.46	88.16	307.36
171.13												
		139	0.32	0.45	-0.13	0.32	4.06e-03	-0.24	54.71	-158.96	5.62	-109.87 89.88
66	56	140	0.37	0.34	-0.38	0.13	-0.16	-0.33	186.78	-47.17	57.14	82.47
116.29												
		94	0.58	0.76	0.08	0.21	0.63	-0.27	-3.51	-343.29	-9.64	-337.17 45.22
		47	0.39	0.73	-0.05	-0.02	0.71	-0.14	-65.14	-249.76	-65.40	-249.50 6.94
		139	0.11	0.05	-0.41	-0.12	-0.24	-0.22	45.03	-27.71	-9.40	26.72-31.57
66	57	140	0.37	0.30	-0.15	0.02	0.13	0.22	-0.05	-221.09	-59.50	-161.64-98.02
		94	0.66	0.15	-0.19	0.05	-0.09	0.15	403.26	13.37	32.51	384.12-84.23
		47	0.50	-3.18e-03	-0.22	-6.11e-03	-0.22	0.03	268.25	-53.06	-53.01	268.20 3.82
		139	0.37	0.20	-0.07	-0.02	0.15	0.10	-34.58	-233.81	-134.24	-134.15 99.62
66	58	140	0.17	-0.02	-0.31	-0.24	-0.08	0.12	71.38	-43.29	31.69	-3.60 54.55
		94	0.25	-0.06	-0.43	-0.34	-0.15	0.16	-10.19	-155.84	-14.70	-151.33 25.23
		47	0.63	-0.16	-0.41	-0.41	-0.16	-0.02	-82.07	-413.15	-206.57	-288.66 -
160.37												
		139	0.26	-0.06	-0.50	-0.46	-0.09	0.13	5.52	-152.34	-149.26	2.44-21.84
66	59	140	0.75	0.54	0.29	0.53	0.29	0.04	25.19	-433.17	-133.27	-274.71 -
217.99												
		94	1.43	0.91	0.41	0.84	0.48	-0.17	878.38	45.04	91.85	831.57 -
191.89												
		47	1.47	0.65	0.24	0.65	0.24	-0.02	920.31	77.27	155.58	842.00

244.71													
		139	0.78	0.68	0.25	0.63	0.31	-0.14	98.84	-405.90	-38.87	-268.19	
224.82													
66	60	140	0.82	-0.02	-0.62	-0.28	-0.36	-0.30	440.14	-78.38	140.00	221.76	
256.02													
		94	1.44	0.32	-0.43	-0.43	0.31	-0.08	-36.97	-878.96	-69.07	-846.87	
161.23													
		47	1.52	0.52	-0.60	-0.58	0.50	-0.14	-205.53	-994.62	-303.66	-896.49	-
260.40													
		139	0.58	-0.42	-0.70	-0.67	-0.44	-0.08	250.14	-145.68	-63.64	168.11	-
160.44													
66	61	140	0.82	0.56	0.18	0.42	0.33	0.18	28.97	-472.26	-142.36	-300.94	-
237.74													
		94	1.53	0.69	0.24	0.68	0.24	-0.03	941.05	44.72	91.94	893.83	-
200.24													
		47	1.60	0.55	-0.02	0.55	-0.02	0.02	1004.90	95.55	185.25	915.19	
271.15													
		139	0.78	0.54	0.34	0.53	0.35	-0.04	70.76	-426.29	-79.99	-275.54	
228.48													
66	62	140	0.75	-0.19	-0.52	-0.39	-0.33	-0.16	401.69	-75.24	130.91	195.53	
236.27													
		94	1.33	0.07	-0.59	-0.58	0.06	0.05	-37.69	-815.90	-68.98	-784.61	
152.87													
		47	1.39	0.25	-0.69	-0.68	0.24	-0.10	-187.85	-909.44	-273.99	-823.30	-
233.96													
		139	0.60	-0.40	-0.77	-0.77	-0.40	0.03	233.43	-177.45	-104.77	160.76	-
156.78													
66	63	140	0.75	0.54	0.29	0.53	0.30	0.05	25.23	-434.14	-133.99	-274.91	-
218.61													
		94	1.44	0.91	0.41	0.84	0.48	-0.17	882.04	45.44	92.66	834.82	-
193.07													
		47	1.57	0.66	0.24	0.66	0.24	-0.02	985.38	90.67	191.59	884.47	
283.03													
		139	0.78	0.68	0.25	0.63	0.31	-0.14	99.47	-406.14	-38.45	-268.22	
225.19													
66	64	140	0.82	-0.02	-0.62	-0.28	-0.36	-0.30	439.11	-78.28	139.28	221.56	
255.40													
		94	1.44	0.31	-0.43	-0.42	0.30	-0.08	-36.53	-875.35	-68.26	-843.62	
160.05													
		47	1.42	0.52	-0.59	-0.57	0.50	-0.14	-193.03	-928.64	-267.65	-854.02	-
222.08													
		139	0.58	-0.42	-0.69	-0.67	-0.44	-0.08	249.90	-145.05	-63.23	168.07	-
160.07													
66	65	140	0.82	0.56	0.18	0.42	0.32	0.18	28.94	-471.30	-141.63	-300.73	-
237.13													
		94	1.53	0.69	0.24	0.68	0.24	-0.04	937.40	44.31	91.14	890.57	-
199.06													
		47	1.51	0.54	-0.02	0.54	-0.02	0.02	941.18	80.78	149.24	872.72	
232.84													
		139	0.78	0.54	0.34	0.53	0.35	-0.04	70.14	-426.05	-80.41	-275.50	
228.11													
66	66	140	0.75	-0.19	-0.53	-0.39	-0.33	-0.16	402.73	-75.35	131.64	195.74	
236.88													
		94	1.34	0.07	-0.59	-0.59	0.07	0.05	-38.13	-819.52	-69.78	-787.86	
154.05													
		47	1.49	0.26	-0.70	-0.69	0.24	-0.10	-198.84	-976.92	-310.00	-865.77	-
272.27													
		139	0.60	-0.40	-0.77	-0.77	-0.40	0.03	233.67	-178.06	-105.19	160.79	-
157.15													
66	67	140	0.80	0.57	0.31	0.56	0.32	0.04	26.39	-464.88	-148.61	-289.88	-
235.26													
		94	1.52	0.91	0.45	0.86	0.50	-0.14	931.27	43.57	90.07	884.77	-
197.76													
		47	1.58	0.71	0.28	0.71	0.28	-2.83e-03	988.45	94.29	181.89	900.86	
265.80													
		139	0.81	0.75	0.29	0.70	0.34	-0.15	114.23	-418.15	-26.21	-277.70	
234.62													
66	68	140	0.87	-0.05	-0.64	-0.31	-0.38	-0.30	472.45	-80.17	155.34	236.94	
273.28													
		94	1.53	0.31	-0.46	-0.44	0.29	-0.11	-35.01	-932.35	-67.29	-900.07	
167.11													
		47	1.63	0.49	-0.66	-0.64	0.47	-0.16	-221.93	-1063.38	-329.97	-955.35	-

281.48												
		139	0.62	-0.45	-0.76	-0.74	-0.47	-0.08	263.02	-161.70	-76.29	177.62	-
170.23												
66	69	140	0.87	0.59	0.21	0.45	0.35	0.18	30.12	-503.93	-157.70	-316.11	-
255.01												
		94	1.62	0.70	0.25	0.70	0.25	-6.54e-03	994.03	43.16	90.16	947.03	-
206.12												
		47	1.70	0.62	0.01	0.61	0.02	0.04	1073.17	112.44	211.56	974.05	
292.24												
		139	0.81	0.61	0.37	0.60	0.38	-0.04	85.77	-438.16	-67.34	-285.05	
238.28												
66	70	140	0.80	-0.22	-0.55	-0.42	-0.35	-0.16	434.05	-77.10	146.25	210.70	
253.53												
		94	1.42	0.05	-0.60	-0.60	0.05	0.03	-35.77	-869.24	-67.19	-837.82	
158.75												
		47	1.49	0.22	-0.75	-0.74	0.21	-0.11	-204.33	-978.12	-300.29	-882.16	-
255.05												
		139	0.64	-0.43	-0.85	-0.84	-0.43	0.03	246.51	-193.66	-117.42	170.27	-
166.57												
66	71	140	0.80	0.57	0.31	0.56	0.32	0.04	26.44	-465.86	-149.33	-290.09	-
235.87												
		94	1.53	0.91	0.45	0.86	0.49	-0.14	934.92	43.98	90.87	888.02	-
198.94												
		47	1.68	0.72	0.28	0.72	0.28	8.73e-04	1053.95	107.27	217.90	943.33	
304.12												
		139	0.81	0.75	0.29	0.70	0.34	-0.14	114.85	-418.39	-25.80	-277.73	
234.99												
66	72	140	0.87	-0.05	-0.64	-0.31	-0.38	-0.29	471.42	-80.07	154.62	236.73	
272.67												
		94	1.53	0.30	-0.45	-0.44	0.29	-0.11	-34.55	-928.75	-66.48	-896.82	
165.93												
		47	1.52	0.49	-0.65	-0.63	0.47	-0.15	-209.85	-996.99	-293.96	-912.88	-
243.17												
		139	0.62	-0.45	-0.76	-0.74	-0.47	-0.08	262.78	-161.08	-75.88	177.59	-
169.86												
66	73	140	0.87	0.58	0.21	0.45	0.34	0.18	30.08	-502.96	-156.97	-315.91	-
254.40												
		94	1.62	0.70	0.26	0.70	0.26	-0.01	990.39	42.74	89.35	943.78	-
204.94												
		47	1.61	0.61	0.01	0.60	0.02	0.04	1008.95	98.18	175.55	931.58	
253.93												
		139	0.81	0.61	0.37	0.60	0.38	-0.04	85.15	-437.92	-67.76	-285.02	
237.91												
66	74	140	0.80	-0.22	-0.55	-0.42	-0.35	-0.16	435.10	-77.20	146.98	210.91	
254.15												
		94	1.43	0.05	-0.60	-0.60	0.05	0.02	-36.22	-872.85	-68.00	-841.07	
159.93												
		47	1.60	0.22	-0.76	-0.75	0.21	-0.12	-215.02	-1045.91	-336.31	-924.63	-
293.36												
		139	0.64	-0.43	-0.85	-0.84	-0.43	0.03	246.75	-194.28	-117.84	170.30	-
166.94												
66	75	140	0.12	0.43	-0.08	0.32	0.02	-0.21	-12.88	-74.56	-22.49	-64.95	-22.37
		94	0.28	0.83	0.30	0.51	0.63	-0.26	165.53	11.32	31.24	145.61	-51.72
		47	0.27	0.60	0.24	0.27	0.57	-0.10	129.62	-48.91	-43.15	123.87	31.54
		139	0.27	0.35	-0.13	0.23	-0.01	-0.21	32.98	-142.71	-12.06	-97.66	76.72
66	76	140	0.30	0.31	-0.33	0.12	-0.14	-0.29	147.06	-43.67	45.26	58.13	95.15
		94	0.47	0.70	0.08	0.19	0.59	-0.24	-3.84	-275.33	-8.65	-270.51	35.82
		47	0.53	0.66	-0.06	-0.03	0.63	-0.13	-112.02	-352.13	-157.01	-307.15	-93.69
		139	0.07	0.06	-0.35	-0.10	-0.20	-0.19	19.80	-27.50	-18.21	10.50	-18.80
66	77	140	0.30	0.25	-0.12	0.02	0.11	0.18	-3.46	-181.46	-47.61	-137.31	-76.88
		94	0.55	0.15	-0.12	0.07	-0.04	0.12	335.87	13.12	31.52	317.47	-74.84
		47	0.60	5.46e-03	-0.15	3.53e-03	-0.15	0.02	359.81	4.64	38.60	325.85	
104.45												
		139	0.32	0.14	-0.08	-0.05	0.11	0.08	-34.76	-208.61	-125.43	-117.93	86.84
66	78	140	0.13	-6.32e-03	-0.23	-0.18	-0.05	0.09	47.08	-41.17	20.14	-14.22	40.64
		94	0.16	-1.36e-03	-0.33	-0.25	-0.08	0.14	-6.62	-100.41	-8.37	-98.65	12.71
		47	0.17	-0.08	-0.30	-0.30	-0.08	-0.01	-64.61	-115.81	-75.26	-105.17	-20.78
		139	0.22	-0.05	-0.40	-0.37	-0.08	0.09	-9.15	-132.19	-131.57	-9.77	-8.67
66	79	140	0.13	0.44	-0.08	0.33	0.03	-0.21	-13.44	-81.57	-26.29	-68.72	-26.65
		94	0.30	0.83	0.31	0.51	0.63	-0.25	178.01	11.59	30.80	158.80	-53.18
		47	0.29	0.61	0.26	0.29	0.58	-0.10	145.87	-44.04	-36.63	138.46	36.77
		139	0.28	0.37	-0.12	0.25	-3.22e-03	-0.21	36.84	-145.79	-8.93	-100.02	79.14

66	80	140	0.31	0.30	-0.34	0.11	-0.15	-0.29	155.12	-44.16	49.06	61.89	99.43
		94	0.49	0.70	0.07	0.19	0.58	-0.24	-3.25	-288.66	-8.21	-283.70	37.28
		47	0.55	0.65	-0.07	-0.05	0.63	-0.14	-115.98	-369.29	-163.53	-321.74	-98.92
		139	0.08	0.04	-0.36	-0.11	-0.20	-0.19	23.02	-31.50	-21.34	12.86	-21.23
66	81	140	0.32	0.25	-0.11	0.03	0.11	0.18	-3.53	-188.96	-51.42	-141.07	-81.16
		94	0.57	0.16	-0.12	0.07	-0.04	0.13	348.97	12.77	31.08	330.66	-76.30
		47	0.62	0.02	-0.14	0.02	-0.14	0.02	376.71	8.85	45.12	340.44	
109.67													
		139	0.33	0.15	-0.06	-0.03	0.11	0.08	-32.02	-210.57	-122.29	-120.29	89.27
66	82	140	0.14	-0.01	-0.24	-0.19	-0.06	0.09	54.84	-41.36	23.94	-10.46	44.92
		94	0.19	-0.01	-0.33	-0.25	-0.09	0.14	-6.03	-113.74	-7.93	-111.84	14.16
		47	0.19	-0.09	-0.32	-0.32	-0.09	-0.02	-68.56	-132.97	-81.78	-119.76	-26.01
		139	0.23	-0.06	-0.42	-0.39	-0.09	0.10	-6.45	-135.67	-134.71	-7.41	-11.10
66	83	140	0.12	0.43	-0.07	0.33	0.03	-0.20	-13.39	-76.63	-24.50	-65.52	-24.06
		94	0.29	0.82	0.31	0.51	0.62	-0.25	175.78	12.23	33.46	154.56	-54.96
		47	0.54	0.60	0.27	0.30	0.57	-0.09	314.02	-16.85	56.18	240.99	
137.22													
		139	0.28	0.35	-0.13	0.23	-0.01	-0.21	34.70	-143.38	-10.92	-97.75	77.74
66	84	140	0.29	0.31	-0.32	0.12	-0.13	-0.29	144.14	-43.33	43.25	57.56	93.46
		94	0.45	0.68	0.09	0.20	0.58	-0.22	-2.34	-265.66	-6.44	-261.57	32.59
		47	0.29	0.66	-0.03	-4.30e-03	0.63	-0.12	-56.60	-191.10	-57.67	-190.02	11.99
		139	0.07	0.05	-0.35	-0.09	-0.20	-0.19	19.14	-25.79	-17.06	10.41	-17.78
66	85	140	0.30	0.23	-0.12	0.02	0.10	0.17	-3.26	-179.09	-45.61	-136.74	-75.19
		94	0.54	0.13	-0.10	0.06	-0.03	0.11	325.81	12.02	29.31	308.52	-71.60
		47	0.41	-0.02	-0.15	-0.02	-0.15	6.95e-03	208.73	-60.74	-60.73	208.72	-1.23
		139	0.32	0.14	-0.08	-0.05	0.11	0.08	-36.28	-208.14	-126.57	-117.84	85.82
66	86	140	0.13	-0.02	-0.23	-0.18	-0.06	0.09	50.21	-41.71	22.14	-13.65	42.33
		94	0.18	-6.52e-03	-0.32	-0.25	-0.08	0.13	-8.03	-110.15	-10.58	-107.60	15.95
		47	0.50	-0.08	-0.33	-0.33	-0.08	-0.02	-69.75	-327.13	-174.59	-222.29	-
126.46													
		139	0.22	-0.05	-0.40	-0.37	-0.08	0.09	-8.92	-133.48	-132.72	-9.68	-9.69
66	87	140	0.13	0.44	-0.07	0.33	0.03	-0.20	-13.82	-83.76	-28.30	-69.29	-28.34
		94	0.31	0.82	0.32	0.51	0.62	-0.24	188.25	12.51	33.01	167.75	-56.42
		47	0.57	0.61	0.29	0.32	0.58	-0.09	331.17	-12.88	62.70	255.58	
142.45													
		139	0.29	0.37	-0.12	0.25	-4.66e-03	-0.21	38.56	-146.45	-7.78	-100.11	80.16
66	88	140	0.31	0.30	-0.32	0.12	-0.14	-0.29	152.19	-43.81	47.06	61.32	97.74
		94	0.47	0.68	0.08	0.19	0.57	-0.23	-1.75	-279.00	-6.00	-274.76	34.04
		47	0.31	0.65	-0.04	-0.02	0.63	-0.13	-63.87	-204.94	-64.20	-204.61	6.76
		139	0.08	0.04	-0.36	-0.11	-0.21	-0.19	22.37	-29.79	-20.20	12.77	-20.21
66	89	140	0.31	0.24	-0.11	0.03	0.10	0.17	-3.36	-186.55	-49.41	-140.50	-79.47
		94	0.56	0.14	-0.11	0.07	-0.03	0.12	338.93	11.66	28.87	321.71	-73.06
		47	0.43	-6.23e-03	-0.14	-7.13e-03	-0.14	0.01	223.37	-54.27	-54.21	223.32	4.00
		139	0.33	0.15	-0.06	-0.03	0.12	0.08	-33.55	-210.09	-123.44	-120.20	88.25
66	90	140	0.15	-0.02	-0.24	-0.19	-0.07	0.09	57.97	-41.91	25.95	-9.89	46.61
		94	0.20	-0.02	-0.32	-0.26	-0.08	0.12	-7.47	-123.46	-10.14	-120.79	17.40
		47	0.52	-0.09	-0.35	-0.34	-0.09	-0.03	-74.39	-343.61	-181.11	-236.88	-
131.69													
		139	0.23	-0.06	-0.42	-0.39	-0.09	0.09	-6.19	-136.99	-135.85	-7.32	-12.12
66	91	140	0.62	0.46	0.24	0.45	0.24	0.03	16.83	-361.04	-110.32	-233.88	-
178.55													
		94	1.19	0.79	0.38	0.72	0.44	-0.15	731.37	37.75	77.89	691.24	-
161.95													
		47	1.23	0.54	0.24	0.53	0.24	-0.03	761.57	54.13	118.29	697.41	
203.16													
		139	0.66	0.56	0.19	0.51	0.25	-0.13	75.38	-350.91	-44.57	-230.95	
191.69													
66	92	140	0.68	2.44e-03	-0.52	-0.22	-0.30	-0.26	361.30	-69.38	115.51	176.41	
213.18													
		94	1.19	0.31	-0.34	-0.33	0.30	-0.08	-29.78	-721.16	-55.10	-695.84	
129.87													
		47	1.25	0.48	-0.50	-0.48	0.46	-0.13	-179.25	-821.28	-261.23	-739.30	-
214.27													
		139	0.47	-0.35	-0.59	-0.57	-0.37	-0.07	192.03	-127.48	-65.05	129.60	-
126.69													
66	93	140	0.68	0.46	0.16	0.36	0.27	0.14	19.99	-393.43	-117.86	-255.58	-
194.90													
		94	1.28	0.59	0.24	0.59	0.24	-0.04	783.24	37.53	77.97	742.80	-
168.88													
		47	1.33	0.45	0.03	0.45	0.03	0.01	831.53	69.29	142.82	758.00	
225.03													
		139	0.66	0.44	0.27	0.43	0.28	-0.04	52.42	-368.04	-78.58	-237.03	

194.73													
66	94	140	0.62	-0.15	-0.43	-0.31	-0.27	-0.14	329.54	-66.87	107.97	154.70	
196.82													
		94	1.09	0.10	-0.46	-0.46	0.10	0.04	-30.40	-668.90	-55.01	-644.28	
122.93													
		47	1.14	0.25	-0.57	-0.56	0.24	-0.09	-164.68	-750.72	-236.70	-678.71	-
192.40													
		139	0.48	-0.34	-0.65	-0.65	-0.34	0.01	178.59	-154.13	-99.06	123.52	-
123.65													
66	95	140	0.62	0.46	0.24	0.45	0.24	0.03	16.86	-361.83	-110.93	-234.05	-
179.06													
		94	1.20	0.79	0.38	0.72	0.44	-0.15	734.39	38.08	78.55	693.92	-
162.92													
		47	1.31	0.54	0.24	0.54	0.24	-0.02	815.23	65.41	148.09	732.55	
234.86													
		139	0.66	0.56	0.19	0.51	0.25	-0.13	75.90	-351.11	-44.23	-230.98	
192.00													
66	96	140	0.67	2.37e-03	-0.52	-0.22	-0.30	-0.26	360.44	-69.30	114.91	176.24	
212.67													
		94	1.18	0.31	-0.34	-0.33	0.30	-0.07	-29.40	-718.19	-54.43	-693.16	
128.90													
		47	1.17	0.48	-0.49	-0.47	0.46	-0.12	-169.13	-766.46	-231.43	-704.16	-
182.57													
		139	0.47	-0.35	-0.59	-0.57	-0.37	-0.07	191.84	-126.97	-64.71	129.58	-
126.38													
66	97	140	0.68	0.46	0.16	0.36	0.26	0.14	19.97	-392.64	-117.26	-255.41	-
194.40													
		94	1.27	0.59	0.24	0.59	0.25	-0.04	780.22	37.20	77.31	740.11	-
167.91													
		47	1.26	0.45	0.03	0.45	0.03	7.19e-03	778.99	56.90	113.02	722.86	
193.32													
		139	0.66	0.44	0.27	0.42	0.28	-0.04	51.91	-367.85	-78.93	-237.01	
194.43													
66	98	140	0.62	-0.15	-0.44	-0.31	-0.28	-0.14	330.41	-66.96	108.57	154.87	
197.33													
		94	1.10	0.10	-0.46	-0.46	0.10	0.03	-30.76	-671.88	-55.68	-646.97	
123.91													
		47	1.23	0.25	-0.58	-0.57	0.24	-0.09	-173.55	-806.80	-266.50	-713.84	-
224.10													
		139	0.48	-0.34	-0.65	-0.65	-0.34	0.01	178.78	-154.64	-99.40	123.55	-
123.96													
66	99	140	0.66	0.48	0.26	0.48	0.26	0.02	17.74	-387.16	-123.00	-246.42	-
192.82													
		94	1.27	0.78	0.41	0.73	0.46	-0.13	775.03	36.59	76.41	735.21	-
166.81													
		47	1.31	0.59	0.27	0.59	0.27	-0.01	817.84	68.25	140.03	746.05	
220.59													
		139	0.69	0.62	0.22	0.57	0.27	-0.13	88.01	-360.95	-34.12	-238.81	
199.79													
66	100	140	0.72	-0.02	-0.54	-0.24	-0.32	-0.25	388.03	-70.90	128.19	188.95	
227.45													
		94	1.26	0.30	-0.36	-0.34	0.29	-0.10	-28.12	-765.31	-53.62	-739.81	
134.73													
		47	1.34	0.45	-0.55	-0.53	0.43	-0.14	-192.77	-878.14	-282.97	-787.94	-
231.70													
		139	0.50	-0.38	-0.65	-0.63	-0.40	-0.07	202.75	-140.79	-75.51	137.47	-
134.78													
66	101	140	0.72	0.48	0.19	0.39	0.28	0.14	20.86	-419.53	-130.54	-268.12	-
209.17													
		94	1.35	0.60	0.26	0.60	0.26	-0.02	826.99	36.28	76.50	786.76	-
173.74													
		47	1.42	0.51	0.05	0.51	0.06	0.02	887.91	83.29	164.56	806.64	
242.46													
		139	0.69	0.49	0.30	0.48	0.31	-0.04	64.74	-377.76	-68.13	-244.90	
202.83													
66	102	140	0.66	-0.17	-0.45	-0.33	-0.29	-0.14	356.32	-68.43	120.65	167.24	
211.09													
		94	1.17	0.09	-0.47	-0.47	0.09	0.01	-28.78	-713.01	-53.54	-688.25	
127.79													
		47	1.23	0.23	-0.63	-0.61	0.22	-0.10	-178.26	-807.53	-258.44	-727.35	-
209.83													
		139	0.52	-0.36	-0.71	-0.71	-0.36	0.01	189.44	-167.57	-109.52	131.38	-

131.75													
66	103	140	0.66	0.48	0.26	0.48	0.26	0.02	17.78	-387.97	-123.60	-246.59	-
193.33													
		94	1.27	0.78	0.41	0.73	0.46	-0.13	778.05	36.92	77.08	737.89	-
167.78													
		47	1.39	0.60	0.27	0.60	0.27	-9.47e-03	871.85	79.17	169.83	781.19	
252.29													
		139	0.69	0.62	0.22	0.57	0.27	-0.13	88.53	-361.14	-33.78	-238.84	
200.10													
66	104	140	0.72	-0.02	-0.53	-0.24	-0.32	-0.25	387.17	-70.81	127.58	188.78	
226.94													
		94	1.26	0.30	-0.36	-0.34	0.28	-0.10	-27.74	-762.34	-52.96	-737.12	
133.76													
		47	1.25	0.45	-0.54	-0.53	0.43	-0.14	-182.97	-823.00	-253.17	-752.80	-
200.00													
		139	0.50	-0.38	-0.65	-0.63	-0.40	-0.07	202.55	-140.28	-75.16	137.44	-
134.48													
66	105	140	0.72	0.48	0.19	0.39	0.28	0.14	20.84	-418.73	-129.94	-267.95	-
208.67													
		94	1.34	0.60	0.26	0.60	0.26	-0.02	823.98	35.94	75.83	784.08	-
172.77													
		47	1.34	0.50	0.05	0.50	0.06	0.02	834.94	71.32	134.76	771.51	
210.75													
		139	0.69	0.49	0.30	0.48	0.31	-0.04	64.22	-377.56	-68.47	-244.87	
202.52													
66	106	140	0.67	-0.17	-0.46	-0.34	-0.29	-0.14	357.19	-68.52	121.25	167.41	
211.60													
		94	1.17	0.09	-0.48	-0.48	0.09	9.84e-03	-29.15	-715.99	-54.20	-690.93	
128.76													
		47	1.31	0.23	-0.64	-0.62	0.22	-0.11	-186.89	-863.84	-288.24	-762.48	-
241.53													
		139	0.52	-0.36	-0.71	-0.71	-0.36	0.01	189.63	-168.08	-109.86	131.41	-
132.05													
67	1	139	0.06	-2.52e-03	-0.03	-0.03	-3.13e-03	-3.85e-03	-15.09	-41.63	-40.23	-16.48	-5.92
		47	0.10	-0.02	-0.03	-0.03	-0.02	-3.85e-03	-41.50	-64.93	-48.52	-57.92	10.73
		136	0.08	-5.42e-03	-0.02	-6.99e-03	-0.01	-3.85e-03	-6.71	-50.44	-7.45	-49.70	-5.62
		143	0.07	3.50e-03	-5.78e-03	-3.74e-03	1.46e-03	-3.85e-03	19.02	-26.44	0.84	-8.27	-22.27
67	2	139	0.21	0.02	-0.14	-0.13	7.43e-03	-0.04	2.97	-120.98	-119.92	1.91	11.40
		47	0.42	-0.12	-0.20	-0.16	-0.16	-0.04	-134.15	-291.20	-171.14	-254.20	66.64
		136	0.37	-0.03	-0.15	-0.05	-0.13	-0.04	-28.93	-232.94	-34.91	-226.96	-34.42
		143	0.26	0.05	-0.03	-0.01	0.03	-0.04	112.62	-67.15	16.31	29.15	-89.66
67	3	139	0.05	-2.27e-03	-0.02	-0.02	-2.61e-03	-2.35e-03	-11.68	-30.78	-29.44	-13.02	-4.88
		47	0.07	-0.01	-0.02	-0.02	-0.01	-2.35e-03	-30.16	-45.70	-35.01	-40.85	7.20
		136	0.06	-3.64e-03	-0.01	-4.64e-03	-9.18e-03	-2.35e-03	-4.74	-35.36	-5.21	-34.89	-3.78
		143	0.05	1.79e-03	-3.93e-03	-2.70e-03	5.58e-04	-2.35e-03	12.93	-19.64	0.35	-7.06	-15.86
67	4	139	0.19	0.02	-0.13	-0.12	7.95e-03	-0.03	6.70	-110.47	-109.13	5.37	12.44
		47	0.39	-0.12	-0.19	-0.16	-0.15	-0.03	-122.80	-271.97	-157.63	-237.13	63.11
		136	0.34	-0.03	-0.14	-0.04	-0.13	-0.03	-26.94	-217.88	-32.67	-212.14	-32.58
		143	0.25	0.05	-0.03	-0.01	0.03	-0.03	106.65	-60.47	15.83	30.35	-83.25
67	5	139	0.05	-2.08e-03	-0.02	-0.02	-2.49e-03	-2.69e-03	-11.64	-31.48	-30.29	-12.83	-4.70
		47	0.07	-0.01	-0.02	-0.02	-0.01	-2.69e-03	-31.16	-48.10	-36.32	-42.94	7.80
		136	0.06	-3.94e-03	-0.01	-5.06e-03	-0.01	-2.69e-03	-4.98	-37.30	-5.50	-36.78	-4.09
		143	0.05	2.30e-03	-4.22e-03	-2.80e-03	8.76e-04	-2.69e-03	13.89	-20.04	0.52	-6.67	-16.58
67	6	139	0.14	0.01	-0.10	-0.09	4.54e-03	-0.02	-3.40e-03	-83.98	-83.42	-0.57	6.85
		47	0.29	-0.08	-0.13	-0.11	-0.10	-0.02	-92.94	-198.92	-118.07	-173.80	45.07
		136	0.25	-0.02	-0.10	-0.03	-0.09	-0.02	-19.80	-158.96	-23.81	-154.95	-23.28
		143	0.18	0.03	-0.02	-9.24e-03	0.02	-0.02	76.17	-47.06	10.83	18.28	-61.50
67	7	139	0.05	-2.08e-03	-0.02	-0.02	-2.49e-03	-2.69e-03	-11.64	-31.48	-30.29	-12.83	-4.70
		47	0.07	-0.01	-0.02	-0.02	-0.01	-2.69e-03	-31.16	-48.10	-36.32	-42.94	7.80
		136	0.06	-3.94e-03	-0.01	-5.06e-03	-0.01	-2.69e-03	-4.98	-37.30	-5.50	-36.78	-4.09
		143	0.05	2.30e-03	-4.22e-03	-2.80e-03	8.76e-04	-2.69e-03	13.89	-20.04	0.52	-6.67	-16.58
67	8	139	0.11	6.57e-03	-0.07	-0.07	2.43e-03	-0.02	-4.06	-67.66	-67.48	-4.24	3.39
		47	0.22	-0.06	-0.10	-0.08	-0.08	-0.02	-74.43	-153.65	-93.54	-134.54	33.89
		136	0.19	-0.02	-0.07	-0.02	-0.07	-0.02	-15.37	-122.45	-18.32	-119.50	-17.52
		143	0.14	0.02	-0.02	-7.31e-03	0.01	-0.02	57.32	-38.78	7.74	10.80	-48.03
67	9	139	0.05	-2.08e-03	-0.02	-0.02	-2.49e-03	-2.69e-03	-11.64	-31.48	-30.29	-12.83	-4.70
		47	0.07	-0.01	-0.02	-0.02	-0.01	-2.69e-03	-31.16	-48.10	-36.32	-42.94	7.80
		136	0.06	-3.94e-03	-0.01	-5.06e-03	-0.01	-2.69e-03	-4.98	-37.30	-5.50	-36.78	-4.09
		143	0.05	2.30e-03	-4.22e-03	-2.80e-03	8.76e-04	-2.69e-03	13.89	-20.04	0.52	-6.67	-16.58
67	10	139	0.10	5.32e-03	-0.07	-0.06	1.73e-03	-0.02	-5.38	-62.26	-62.17	-5.47	2.23
		47	0.20	-0.06	-0.09	-0.08	-0.07	-0.02	-68.26	-138.56	-85.37	-121.45	30.16
		136	0.17	-0.01	-0.06	-0.02	-0.06	-0.02	-13.89	-110.28	-16.49	-107.68	-15.60

		143	0.13	0.02	-0.02	-6.66e-03	0.01	-0.02	51.05	-36.04	6.71	8.30-43.53
67	11	139	0.08	0.47	0.35	0.37	0.45	0.05	34.93	-16.16	-8.49	27.26 18.25
		47	0.34	0.29	0.03	0.23	0.09	-0.11	-15.78	-207.02	-48.67	-174.13 72.17
		136	0.34	0.23	-0.14	0.11	-0.03	-0.17	-2.51	-201.40	-9.15	-194.76-35.73
		143	0.16	0.31	0.12	0.19	0.24	-0.09	107.45	29.30	54.85	81.90-36.66
67	12	139	0.39	0.42	-0.14	-0.09	0.37	-0.15	5.38	-232.74	-82.83	-144.53 -
114.99												
		47	0.33	0.76	-0.08	-0.05	0.74	-0.14	159.37	-50.06	-27.43	136.74-65.01
		136	0.21	0.72	0.28	0.29	0.71	0.07	114.22	-6.49	-4.17	111.90 16.58
		143	0.15	0.27	0.21	0.21	0.26	-0.01	-29.43	-101.05	-36.81	-93.67 21.77
67	13	139	0.44	6.28e-03	-0.41	-0.03	-0.37	0.12	194.15	-102.07	-41.51	133.59
119.46												
		47	0.67	-0.08	-0.89	-0.10	-0.88	0.11	-89.22	-433.74	-143.30	-379.65
125.33												
		136	0.55	-0.32	-0.84	-0.34	-0.83	-0.10	-21.34	-334.73	-28.81	-327.26-47.79
		143	0.35	-0.21	-0.25	-0.22	-0.24	-0.02	193.15	-32.65	50.22	110.28 -
108.83												
67	14	139	0.18	-0.39	-0.55	-0.50	-0.45	-0.08	-35.83	-118.22	-115.85	-38.20-13.78
		47	0.19	-0.20	-0.42	-0.39	-0.23	0.08	-66.27	-124.58	-122.06	-68.78-11.85
		136	0.04	0.03	-0.26	-0.15	-0.09	0.14	-17.41	-27.02	-23.83	-20.60 4.52
		143	0.17	-0.15	-0.27	-0.20	-0.22	0.06	-1.57	-105.17	-41.43	-65.30-50.41
67	15	139	0.09	0.49	0.37	0.40	0.46	0.05	43.72	-13.98	-2.58	32.32 22.97
		47	0.35	0.30	0.02	0.25	0.07	-0.11	-11.38	-212.00	-44.36	-179.01 74.36
		136	0.35	0.23	-0.16	0.11	-0.05	-0.18	-2.10	-207.34	-9.14	-200.30-37.34
		143	0.17	0.31	0.12	0.19	0.25	-0.09	111.00	32.36	56.90	86.46-36.44
67	16	139	0.41	0.42	-0.17	-0.12	0.37	-0.16	4.36	-242.70	-88.74	-149.59 -
119.72												
		47	0.34	0.78	-0.09	-0.07	0.76	-0.14	164.63	-54.73	-31.73	141.63-67.20
		136	0.22	0.74	0.28	0.30	0.73	0.08	120.10	-6.84	-4.18	117.44 18.19
		143	0.16	0.26	0.21	0.21	0.26	-9.02e-03	-31.86	-105.23	-38.85	-98.23 21.55
67	17	139	0.45	0.03	-0.41	-7.11e-03	-0.36	0.13	203.23	-100.17	-35.60	138.65
124.19												
		47	0.69	-0.07	-0.91	-0.08	-0.89	0.11	-84.75	-438.79	-139.00	-384.54
127.53												
		136	0.56	-0.31	-0.87	-0.34	-0.84	-0.11	-20.97	-340.63	-28.80	-332.80-49.40
		143	0.36	-0.21	-0.25	-0.22	-0.24	-0.02	196.58	-29.48	52.27	114.84 -
108.61												
67	18	139	0.19	-0.40	-0.58	-0.52	-0.45	-0.09	-39.12	-125.90	-121.76	-43.26-18.51
		47	0.19	-0.19	-0.43	-0.41	-0.21	0.08	-60.89	-129.38	-126.37	-63.90-14.04
		136	0.04	0.05	-0.26	-0.15	-0.07	0.15	-11.91	-26.99	-23.84	-15.06 6.13
		143	0.18	-0.15	-0.27	-0.20	-0.22	0.06	-4.35	-108.99	-43.48	-69.86-50.63
67	19	139	0.29	0.47	0.36	0.38	0.45	0.05	168.84	-8.24	61.65	98.95 86.55
		47	0.34	0.31	0.03	0.25	0.09	-0.11	-10.87	-206.47	-42.68	-174.66 72.19
		136	0.35	0.23	-0.16	0.11	-0.04	-0.18	-1.47	-207.55	-8.86	-200.17-38.31
		143	0.17	0.30	0.13	0.19	0.24	-0.09	109.58	28.74	54.49	83.83-37.67
67	20	139	0.18	0.42	-0.13	-0.08	0.38	-0.15	12.77	-98.30	-12.69	-72.84-46.69
		47	0.32	0.76	-0.06	-0.03	0.73	-0.14	159.55	-44.78	-21.44	136.21-64.99
		136	0.19	0.70	0.28	0.29	0.69	0.06	108.24	-5.63	-3.88	106.49 14.00
		143	0.15	0.27	0.21	0.21	0.26	-5.27e-03	-30.17	-98.75	-37.17	-91.75 20.76
67	21	139	0.30	1.15e-04	-0.41	-0.04	-0.37	0.12	75.86	-125.60	-111.64	61.90 51.15
		47	0.67	-0.10	-0.89	-0.12	-0.87	0.11	-94.18	-434.24	-149.29	-379.12
125.32												
		136	0.54	-0.32	-0.83	-0.34	-0.81	-0.09	-22.27	-328.68	-29.10	-321.85-45.21
		143	0.35	-0.21	-0.26	-0.23	-0.24	-0.03	191.10	-32.16	50.58	108.36 -
107.83												
67	22	139	0.37	-0.39	-0.56	-0.50	-0.45	-0.08	-57.46	-238.41	-185.99	-109.89-82.09
		47	0.19	-0.20	-0.43	-0.41	-0.22	0.08	-65.98	-130.32	-128.05	-68.25-11.86
		136	0.04	0.04	-0.26	-0.15	-0.07	0.15	-11.27	-28.04	-24.12	-15.20 7.10
		143	0.17	-0.15	-0.26	-0.20	-0.22	0.05	-3.04	-105.25	-41.07	-67.22-49.40
67	23	139	0.31	0.49	0.37	0.41	0.46	0.05	178.87	-7.30	67.56	104.01 91.28
		47	0.35	0.32	0.02	0.27	0.07	-0.11	-6.42	-211.50	-38.38	-179.54 74.38
		136	0.36	0.23	-0.18	0.11	-0.06	-0.19	-1.06	-213.50	-8.85	-205.71-39.92
		143	0.17	0.31	0.13	0.19	0.25	-0.09	113.15	31.77	56.54	88.38-37.44
67	24	139	0.19	0.42	-0.16	-0.11	0.37	-0.16	11.10	-107.61	-18.60	-77.91-51.42
		47	0.34	0.77	-0.08	-0.05	0.75	-0.14	164.79	-49.44	-25.74	141.10-67.19
		136	0.20	0.73	0.28	0.29	0.71	0.07	114.10	-5.96	-3.89	112.03 15.62
		143	0.16	0.26	0.21	0.21	0.26	-4.21e-03	-32.59	-102.93	-39.22	-96.31 20.54
67	25	139	0.30	0.03	-0.41	-0.01	-0.37	0.13	83.47	-122.24	-105.74	66.96 55.88
		47	0.68	-0.08	-0.90	-0.10	-0.89	0.11	-89.74	-439.26	-144.99	-384.01
127.51												
		136	0.55	-0.32	-0.85	-0.34	-0.83	-0.10	-21.91	-334.57	-29.09	-327.39-46.82
		143	0.35	-0.20	-0.26	-0.22	-0.24	-0.03	194.52	-28.98	52.63	112.91 -

107.61													
67	26	139	0.38	-0.40	-0.58	-0.53	-0.45	-0.09	-58.47	-248.38	-191.89	-114.95	-86.81
		47	0.20	-0.18	-0.45	-0.42	-0.21	0.08	-60.61	-135.11	-132.36	-63.37	-14.06
		136	0.05	0.06	-0.27	-0.15	-0.05	0.16	-5.57	-28.22	-24.13	-9.66	8.71
		143	0.18	-0.16	-0.27	-0.20	-0.22	0.06	-5.80	-109.10	-43.12	-71.78	-49.62
67	27	139	0.73	0.91	0.11	0.77	0.25	0.30	397.20	-65.62	66.69	264.89	
209.12													
		47	1.20	0.45	-1.00	0.45	-1.00	5.15e-03	-2.75	-712.56	-106.57	-608.74	
250.82													
		136	1.04	-0.09	-1.33	-0.26	-1.16	-0.43	-4.67	-616.06	-21.84	-598.90	-
100.99													
		143	0.57	0.19	-0.13	0.01	0.05	-0.16	375.32	81.51	160.16	296.67	-
130.09													
67	28	139	0.82	0.14	-0.91	-0.78	5.90e-04	-0.36	-1.03	-487.82	-181.12	-307.73	-
235.02													
		47	0.97	1.16	-0.51	-0.50	1.16	-0.10	506.14	-114.42	-35.78	427.49	-
206.45													
		136	0.76	1.42	0.22	0.36	1.29	0.37	435.51	-17.47	-5.24	423.28	73.40
		143	0.46	0.22	7.67e-04	0.10	0.12	0.11	-120.48	-313.46	-145.36	-288.58	64.67
67	29	139	0.83	0.79	-0.13	0.65	2.87e-03	0.33	444.66	-91.08	56.78	296.79	
239.48													
		47	1.30	0.36	-1.30	0.35	-1.29	0.07	-24.74	-780.62	-134.96	-670.40	
266.77													
		136	1.11	-0.25	-1.55	-0.40	-1.40	-0.41	-10.32	-656.06	-27.73	-638.65	-
104.61													
		143	0.62	0.04	-0.24	-0.11	-0.09	-0.14	400.46	63.51	158.77	305.19	-
151.74													
67	30	139	0.73	-0.10	-1.04	-0.90	-0.25	-0.33	-24.43	-442.43	-191.02	-275.83	-
204.65													
		47	0.88	0.87	-0.61	-0.60	0.87	-0.04	438.09	-136.42	-64.17	365.84	-
190.50													
		136	0.70	1.21	0.06	0.22	1.05	0.40	395.51	-23.12	-11.14	383.53	69.78
		143	0.42	0.10	-0.15	-0.03	-0.02	0.13	-134.07	-292.75	-146.75	-280.07	43.02
67	31	139	0.79	0.91	0.11	0.78	0.25	0.30	437.24	-63.11	87.73	286.40	
229.61													
		47	1.20	0.46	-1.00	0.46	-1.00	5.38e-03	-1.24	-712.44	-104.77	-608.90	
250.82													
		136	1.05	-0.09	-1.34	-0.26	-1.17	-0.43	-4.38	-617.89	-21.75	-600.52	-
101.76													
		143	0.57	0.19	-0.13	0.01	0.05	-0.16	375.98	81.32	160.05	297.25	-
130.39													
67	32	139	0.75	0.14	-0.91	-0.77	7.69e-04	-0.36	0.45	-446.76	-160.08	-286.23	-
214.53													
		47	0.97	1.16	-0.50	-0.50	1.15	-0.10	506.23	-112.87	-33.98	427.33	-
206.44													
		136	0.76	1.42	0.22	0.36	1.28	0.37	433.68	-17.18	-5.16	421.66	72.62
		143	0.46	0.22	-5.09e-04	0.10	0.12	0.11	-120.70	-312.77	-145.47	-288.01	64.37
67	33	139	0.77	0.79	-0.13	0.65	2.69e-03	0.33	405.12	-94.09	35.74	275.29	
218.99													
		47	1.30	0.35	-1.29	0.35	-1.29	0.07	-26.25	-780.75	-136.75	-670.24	
266.76													
		136	1.10	-0.25	-1.54	-0.40	-1.40	-0.40	-10.61	-654.24	-27.82	-637.02	-
103.83													
		143	0.62	0.04	-0.24	-0.11	-0.09	-0.14	399.80	63.69	158.88	304.61	-
151.44													
67	34	139	0.80	-0.10	-1.04	-0.90	-0.25	-0.33	-25.56	-483.85	-212.06	-297.34	-
225.14													
		47	0.88	0.87	-0.61	-0.61	0.87	-0.04	438.00	-137.97	-65.96	365.99	-
190.50													
		136	0.70	1.21	0.06	0.22	1.05	0.40	397.34	-23.41	-11.23	385.16	70.55
		143	0.43	0.10	-0.15	-0.03	-0.02	0.13	-133.85	-293.43	-146.64	-280.65	43.32
67	35	139	0.78	1.01	0.12	0.86	0.27	0.33	429.26	-61.10	86.38	281.77	
224.88													
		47	1.24	0.52	-1.06	0.52	-1.06	7.20e-03	12.32	-729.57	-92.22	-625.03	
258.13													
		136	1.08	-0.08	-1.41	-0.27	-1.23	-0.46	-3.38	-635.80	-21.81	-617.37	-
106.36													
		143	0.59	0.20	-0.12	0.02	0.06	-0.16	387.68	91.18	166.99	311.86	-
129.35													
67	36	139	0.88	0.13	-1.01	-0.86	-0.02	-0.38	-4.41	-521.02	-200.81	-324.61	-
250.77													
		47	1.02	1.22	-0.57	-0.57	1.21	-0.10	523.44	-129.78	-50.12	443.77	-

213.76													
		136	0.80	1.50	0.22	0.36	1.35	0.40	455.23	-18.75	-5.27	441.76	78.77
		143	0.48	0.21	-0.01	0.09	0.11	0.11	-128.82	-327.14	-152.19	-303.77	63.94
67	37	139	0.88	0.88	-0.12	0.74	0.02	0.35	476.52	-86.37	76.48	313.67	
255.24													
		47	1.34	0.42	-1.35	0.42	-1.35	0.07	-9.66	-797.64	-120.61	-686.68	
274.08													
		136	1.14	-0.25	-1.62	-0.40	-1.47	-0.43	-9.04	-675.78	-27.70	-657.12	-
109.97													
		143	0.64	0.05	-0.24	-0.10	-0.09	-0.14	412.67	73.31	165.61	320.38	-
151.00													
67	38	139	0.78	-0.12	-1.13	-0.98	-0.27	-0.36	-27.53	-475.91	-210.72	-292.72	-
220.41													
		47	0.93	0.92	-0.67	-0.67	0.92	-0.04	455.40	-151.79	-78.51	382.12	-
197.81													
		136	0.73	1.28	0.05	0.22	1.11	0.42	415.25	-24.41	-11.17	402.01	75.15
		143	0.44	0.10	-0.17	-0.04	-0.03	0.13	-141.92	-306.92	-153.58	-295.26	42.28
67	39	139	0.85	1.01	0.12	0.86	0.27	0.33	469.54	-58.84	107.42	303.28	
245.37													
		47	1.24	0.52	-1.06	0.52	-1.06	7.42e-03	13.85	-729.46	-90.43	-625.19	
258.13													
		136	1.08	-0.08	-1.42	-0.27	-1.23	-0.46	-3.08	-637.63	-21.72	-618.99	-
107.13													
		143	0.59	0.20	-0.12	0.02	0.06	-0.16	388.34	90.98	166.89	312.44	-
129.65													
67	40	139	0.81	0.13	-1.01	-0.86	-0.02	-0.38	-3.04	-479.84	-179.77	-303.11	-
230.28													
		47	1.02	1.22	-0.57	-0.56	1.21	-0.10	523.52	-128.22	-48.32	443.62	-
213.75													
		136	0.79	1.49	0.22	0.36	1.35	0.40	453.40	-18.45	-5.19	440.14	77.99
		143	0.47	0.21	-0.01	0.09	0.11	0.11	-129.05	-326.45	-152.30	-303.19	63.63
67	41	139	0.82	0.88	-0.12	0.74	0.02	0.35	436.70	-89.10	55.44	292.17	
234.75													
		47	1.34	0.41	-1.35	0.41	-1.35	0.07	-11.18	-797.75	-122.41	-686.53	
274.07													
		136	1.14	-0.25	-1.62	-0.40	-1.46	-0.43	-9.33	-673.96	-27.79	-655.50	-
109.20													
		143	0.64	0.05	-0.24	-0.10	-0.09	-0.14	412.01	73.51	165.71	319.80	-
150.70													
67	42	139	0.85	-0.12	-1.14	-0.98	-0.27	-0.36	-28.59	-517.40	-231.76	-314.22	-
240.90													
		47	0.93	0.92	-0.67	-0.67	0.92	-0.04	455.33	-153.36	-80.31	382.28	-
197.81													
		136	0.74	1.29	0.05	0.22	1.12	0.43	417.09	-24.72	-11.26	403.63	75.92
		143	0.45	0.10	-0.16	-0.04	-0.03	0.13	-141.70	-307.60	-153.47	-295.84	42.58
67	43	139	0.07	0.37	0.27	0.28	0.36	0.03	25.59	-24.56	-19.57	20.60	15.01
		47	0.30	0.22	8.50e-03	0.17	0.06	-0.09	-26.72	-193.01	-56.27	-163.45	63.57
		136	0.30	0.18	-0.13	0.08	-0.03	-0.14	-4.88	-182.83	-10.69	-177.01	-31.64
		143	0.15	0.25	0.09	0.15	0.19	-0.07	95.58	16.06	44.87	66.78	-38.22
67	44	139	0.31	0.33	-0.12	-0.08	0.30	-0.12	-4.58	-189.50	-78.51	-115.57	-90.59
		47	0.23	0.59	-0.08	-0.06	0.57	-0.11	97.81	-54.31	-39.45	82.95	-45.17
		136	0.13	0.56	0.22	0.23	0.55	0.05	67.35	-8.05	-6.75	66.05	9.82
		143	0.11	0.21	0.16	0.17	0.21	-0.01	-26.36	-73.81	-27.78	-72.39	8.09
67	45	139	0.35	-8.71e-03	-0.32	-0.04	-0.29	0.09	150.62	-91.82	-45.83	104.63	95.05
		47	0.57	-0.08	-0.72	-0.09	-0.71	0.08	-85.07	-372.07	-131.28	-325.86	
105.49													
		136	0.47	-0.25	-0.68	-0.27	-0.66	-0.08	-19.79	-287.84	-26.22	-281.41	-41.03
		143	0.30	-0.16	-0.20	-0.18	-0.19	-0.02	163.21	-33.02	41.20	88.99	-95.16
67	46	139	0.16	-0.31	-0.45	-0.41	-0.35	-0.06	-30.05	-106.25	-104.76	-31.54	-10.55
		47	0.17	-0.17	-0.34	-0.32	-0.19	0.06	-79.16	-114.76	-114.46	-79.46	-3.25
		136	0.06	0.01	-0.21	-0.12	-0.08	0.11	-22.27	-38.36	-22.29	-38.35	0.43
		143	0.16	-0.12	-0.21	-0.16	-0.17	0.04	8.92	-90.55	-31.45	-50.17	-48.85
67	47	139	0.08	0.38	0.28	0.30	0.36	0.04	32.10	-22.37	-14.89	24.61	18.76
		47	0.31	0.23	1.39e-03	0.19	0.04	-0.09	-23.26	-196.93	-52.86	-167.32	65.31
		136	0.31	0.18	-0.15	0.08	-0.05	-0.15	-4.56	-187.53	-10.68	-181.41	-32.92
		143	0.15	0.25	0.09	0.15	0.20	-0.07	98.32	18.56	46.49	70.39	-38.05
67	48	139	0.33	0.33	-0.14	-0.11	0.29	-0.13	-5.32	-197.46	-83.20	-119.58	-94.33
		47	0.24	0.60	-0.09	-0.07	0.58	-0.11	102.00	-58.05	-42.86	86.82	-46.91
		136	0.13	0.57	0.22	0.23	0.56	0.06	72.00	-8.32	-6.76	70.44	11.09
		143	0.12	0.21	0.16	0.16	0.21	-0.01	-28.10	-77.31	-29.41	-76.00	7.92
67	49	139	0.36	0.01	-0.32	-0.02	-0.29	0.10	157.73	-90.22	-41.14	108.64	98.80
		47	0.58	-0.07	-0.73	-0.08	-0.72	0.08	-81.54	-376.05	-127.87	-329.73	

107.23												
		136	0.48	-0.25	-0.70	-0.27	-0.68	-0.09	-19.50	-292.52	-26.22	-285.80-42.30
		143	0.31	-0.16	-0.20	-0.18	-0.18	-0.02	165.90	-30.48	42.82	92.60-94.98
67	50	139	0.17	-0.31	-0.47	-0.43	-0.36	-0.07	-32.89	-112.12	-109.45	-35.56-14.29
		47	0.18	-0.16	-0.36	-0.34	-0.18	0.06	-75.01	-118.45	-117.87	-75.59 -4.99
		136	0.05	0.03	-0.21	-0.12	-0.06	0.12	-22.05	-34.20	-22.29	-33.96 1.71
		143	0.16	-0.12	-0.21	-0.16	-0.17	0.04	6.67	-93.53	-33.08	-53.78-49.02
67	51	139	0.23	0.37	0.27	0.29	0.36	0.03	128.50	-15.47	35.82	77.21 68.95
		47	0.31	0.23	7.84e-03	0.19	0.05	-0.09	-22.82	-192.63	-51.49	-163.96 63.61
		136	0.31	0.18	-0.14	0.08	-0.05	-0.15	-4.06	-187.86	-10.48	-181.45-33.74
		143	0.15	0.24	0.10	0.15	0.19	-0.07	97.30	15.64	44.57	68.36-39.06
67	52	139	0.14	0.33	-0.12	-0.08	0.30	-0.12	-0.24	-81.84	-23.12	-58.96-36.65
		47	0.23	0.58	-0.06	-0.04	0.56	-0.11	97.80	-50.04	-34.67	82.43-45.13
		136	0.12	0.54	0.22	0.23	0.53	0.04	62.48	-7.40	-6.54	61.61 7.72
		143	0.11	0.21	0.16	0.17	0.21	-7.13e-03	-26.88	-72.00	-28.08	-70.80 7.25
67	53	139	0.25	-0.01	-0.32	-0.04	-0.29	0.09	58.60	-111.80	-101.22	48.02 41.12
		47	0.57	-0.10	-0.71	-0.11	-0.70	0.08	-89.01	-372.39	-136.06	-325.34
105.45												
		136	0.46	-0.25	-0.66	-0.27	-0.65	-0.08	-20.53	-282.89	-26.44	-276.98-38.93
		143	0.30	-0.16	-0.21	-0.18	-0.19	-0.02	161.52	-32.62	41.50	87.41-94.32
67	54	139	0.30	-0.31	-0.45	-0.41	-0.35	-0.07	-50.30	-198.00	-160.15	-88.15-64.48
		47	0.18	-0.17	-0.36	-0.34	-0.19	0.06	-78.68	-119.50	-119.24	-78.95 -3.29
		136	0.05	0.02	-0.21	-0.12	-0.07	0.11	-21.96	-34.45	-22.50	-33.92 2.53
		143	0.16	-0.12	-0.20	-0.16	-0.17	0.04	7.64	-90.56	-31.15	-51.76-48.01
67	55	139	0.24	0.38	0.29	0.31	0.36	0.04	136.35	-14.62	40.50	81.23 72.69
		47	0.31	0.24	-1.54e-04	0.20	0.04	-0.09	-19.32	-196.59	-48.08	-167.83 65.35
		136	0.32	0.18	-0.16	0.08	-0.06	-0.15	-3.74	-192.57	-10.47	-185.84-35.02
		143	0.16	0.25	0.10	0.15	0.20	-0.07	100.05	18.12	46.20	71.97-38.88
67	56	139	0.15	0.33	-0.14	-0.10	0.29	-0.13	-1.33	-89.45	-27.81	-62.97-40.40
		47	0.24	0.60	-0.08	-0.06	0.58	-0.11	101.98	-53.76	-38.08	86.30-46.87
		136	0.13	0.56	0.22	0.23	0.55	0.05	67.11	-7.65	-6.55	66.01 9.00
		143	0.11	0.21	0.16	0.16	0.21	-6.26e-03	-28.61	-75.51	-29.71	-74.41 7.08
67	57	139	0.25	9.06e-03	-0.32	-0.02	-0.29	0.10	64.53	-109.03	-96.53	52.03 44.86
		47	0.58	-0.08	-0.73	-0.09	-0.71	0.08	-85.51	-376.36	-132.65	-329.21
107.19												
		136	0.47	-0.25	-0.68	-0.27	-0.66	-0.08	-20.24	-287.56	-26.43	-281.37-40.21
		143	0.30	-0.16	-0.21	-0.18	-0.18	-0.02	164.21	-30.07	43.12	91.02-94.14
67	58	139	0.32	-0.31	-0.48	-0.43	-0.36	-0.07	-51.21	-205.80	-164.84	-92.17-68.23
		47	0.18	-0.16	-0.37	-0.35	-0.17	0.06	-74.55	-123.18	-122.65	-75.08 -5.03
		136	0.05	0.04	-0.21	-0.12	-0.05	0.12	-20.84	-31.19	-22.51	-29.53 3.81
		143	0.16	-0.13	-0.21	-0.16	-0.17	0.04	5.41	-93.56	-32.78	-55.37-48.18
67	59	139	0.58	0.71	0.09	0.60	0.20	0.24	310.88	-62.01	40.00	208.87
166.23												
		47	0.99	0.34	-0.81	0.34	-0.81	8.97e-04	-16.52	-593.39	-102.16	-507.75
205.10												
		136	0.86	-0.08	-1.07	-0.21	-0.93	-0.34	-6.58	-511.27	-20.72	-497.12-83.30
		143	0.47	0.15	-0.10	8.55e-03	0.04	-0.13	307.25	58.01	128.35	236.91 -
112.18												
67	60	139	0.65	0.11	-0.74	-0.63	5.65e-04	-0.29	-9.76	-391.72	-156.46	-245.02 -
185.77												
		47	0.74	0.91	-0.42	-0.42	0.90	-0.08	372.70	-105.20	-46.07	313.57 -
157.36												
		136	0.57	1.11	0.17	0.28	1.01	0.29	322.22	-16.73	-7.59	313.08 54.91
		143	0.35	0.17	5.01e-03	0.08	0.10	0.08	-99.83	-240.97	-113.83	-226.97 42.19
67	61	139	0.66	0.61	-0.10	0.50	2.89e-03	0.26	348.48	-82.28	32.12	234.08
190.24												
		47	1.07	0.27	-1.04	0.26	-1.04	0.05	-33.97	-647.16	-124.66	-556.48
217.68												
		136	0.91	-0.20	-1.24	-0.32	-1.12	-0.32	-11.05	-542.77	-25.38	-528.44-86.12
		143	0.51	0.03	-0.19	-0.09	-0.07	-0.11	327.15	43.67	127.24	243.58 -
129.26												
67	62	139	0.58	-0.08	-0.84	-0.72	-0.19	-0.27	-27.95	-356.20	-164.34	-219.81 -
161.76												
		47	0.67	0.67	-0.50	-0.49	0.67	-0.03	318.94	-122.67	-68.57	264.85 -
144.78												
		136	0.52	0.95	0.05	0.17	0.82	0.31	290.71	-21.21	-12.25	281.76 52.09
		143	0.33	0.08	-0.12	-0.02	-0.02	0.10	-109.25	-225.99	-114.93	-220.31 25.11
67	63	139	0.63	0.71	0.09	0.60	0.20	0.24	342.31	-59.84	56.62	225.85
182.41												
		47	0.99	0.35	-0.81	0.35	-0.81	1.11e-03	-15.31	-593.32	-100.72	-507.91
205.12												
		136	0.87	-0.08	-1.08	-0.21	-0.94	-0.34	-6.35	-512.77	-20.66	-498.45-83.93

		143	0.48	0.15	-0.10	8.65e-03	0.04	-0.13	307.79	57.85	128.26	237.39	-
112.43													
67	64	139	0.60	0.11	-0.74	-0.63	6.38e-04	-0.29	-8.71	-359.17	-139.84	-228.04	-
169.59													
		47	0.74	0.91	-0.42	-0.41	0.90	-0.08	372.73	-103.95	-44.64	313.41	-
157.35													
		136	0.56	1.11	0.17	0.28	1.00	0.29	320.72	-16.51	-7.53	311.75	54.28
		143	0.35	0.17	3.91e-03	0.08	0.10	0.08	-100.01	-240.40	-113.92	-226.50	41.94
67	65	139	0.62	0.61	-0.10	0.50	2.82e-03	0.26	317.44	-84.84	15.51	217.10	
174.06													
		47	1.07	0.26	-1.04	0.26	-1.04	0.05	-35.18	-647.24	-126.10	-556.32	
217.67													
		136	0.91	-0.20	-1.23	-0.32	-1.12	-0.32	-11.28	-541.28	-25.45	-527.11	-85.49
		143	0.51	0.03	-0.19	-0.09	-0.07	-0.11	326.62	43.82	127.33	243.10	-
129.01													
67	66	139	0.64	-0.08	-0.84	-0.73	-0.19	-0.27	-28.76	-388.99	-180.95	-236.80	-
177.94													
		47	0.67	0.68	-0.50	-0.50	0.67	-0.03	318.91	-123.91	-70.01	265.00	-
144.79													
		136	0.52	0.95	0.05	0.17	0.82	0.31	292.21	-21.44	-12.32	283.09	52.72
		143	0.33	0.08	-0.11	-0.02	-0.02	0.10	-109.08	-226.54	-114.84	-220.78	25.36
67	67	139	0.62	0.79	0.10	0.67	0.21	0.26	336.12	-58.24	55.62	222.26	
178.71													
		47	1.02	0.39	-0.85	0.39	-0.85	2.51e-03	-4.59	-606.84	-90.79	-520.65	
210.90													
		136	0.89	-0.07	-1.13	-0.21	-0.99	-0.36	-5.55	-526.91	-20.70	-511.76	-87.55
		143	0.49	0.16	-0.10	0.02	0.05	-0.13	316.94	65.77	133.76	248.95	-
111.60													
67	68	139	0.70	0.10	-0.81	-0.69	-0.02	-0.31	-12.34	-418.14	-172.08	-258.41	-
198.26													
		47	0.78	0.95	-0.47	-0.47	0.95	-0.08	386.44	-117.41	-57.44	326.47	-
163.16													
		136	0.60	1.17	0.17	0.28	1.06	0.32	337.85	-17.75	-7.62	327.72	59.16
		143	0.37	0.17	-4.65e-03	0.07	0.09	0.08	-106.21	-252.05	-119.24	-239.01	41.61
67	69	139	0.70	0.69	-0.09	0.57	0.02	0.28	373.59	-78.38	47.74	247.46	
202.72													
		47	1.10	0.32	-1.08	0.31	-1.08	0.05	-22.04	-660.62	-113.29	-569.38	
223.48													
		136	0.94	-0.20	-1.30	-0.32	-1.18	-0.35	-10.04	-558.40	-25.36	-543.08	-90.37
		143	0.53	0.04	-0.19	-0.08	-0.07	-0.12	336.74	51.53	132.66	255.61	-
128.68													
67	70	139	0.62	-0.09	-0.91	-0.79	-0.21	-0.29	-30.31	-382.84	-179.96	-233.20	-
174.24													
		47	0.71	0.72	-0.55	-0.54	0.72	-0.03	332.69	-134.89	-79.95	277.74	-
150.58													
		136	0.55	1.01	0.04	0.17	0.87	0.33	306.36	-22.24	-12.28	296.40	56.34
		143	0.34	0.07	-0.13	-0.03	-0.02	0.10	-115.21	-237.48	-120.35	-232.34	24.53
67	71	139	0.67	0.79	0.10	0.67	0.21	0.26	367.76	-56.29	72.24	239.24	
194.89													
		47	1.02	0.40	-0.86	0.40	-0.86	2.73e-03	-3.38	-606.78	-89.35	-520.81	
210.91													
		136	0.89	-0.07	-1.14	-0.22	-0.99	-0.37	-5.32	-528.41	-20.63	-513.09	-88.18
		143	0.49	0.16	-0.10	0.02	0.05	-0.13	317.48	65.61	133.67	249.42	-
111.85													
67	72	139	0.64	0.10	-0.81	-0.69	-0.02	-0.31	-11.36	-385.52	-155.46	-241.42	-
182.08													
		47	0.78	0.95	-0.47	-0.46	0.94	-0.08	386.46	-116.16	-56.01	326.31	-
163.14													
		136	0.59	1.17	0.17	0.28	1.06	0.31	336.35	-17.52	-7.56	326.39	58.53
		143	0.36	0.17	-5.76e-03	0.07	0.09	0.09	-106.39	-251.48	-119.33	-238.53	41.36
67	73	139	0.65	0.68	-0.10	0.57	0.02	0.28	342.31	-80.70	31.13	230.48	
186.54													
		47	1.10	0.31	-1.08	0.31	-1.08	0.05	-23.26	-660.69	-114.72	-569.22	
223.47													
		136	0.94	-0.20	-1.29	-0.32	-1.17	-0.35	-10.27	-556.90	-25.42	-541.75	-89.74
		143	0.52	0.04	-0.19	-0.08	-0.07	-0.12	336.20	51.69	132.75	255.14	-
128.42													
67	74	139	0.68	-0.09	-0.91	-0.79	-0.21	-0.29	-31.08	-415.68	-196.57	-250.18	-
190.42													
		47	0.71	0.72	-0.55	-0.55	0.72	-0.03	332.67	-136.15	-81.38	277.90	-
150.59													
		136	0.55	1.01	0.04	0.17	0.88	0.34	307.86	-22.48	-12.34	297.73	56.97

		143	0.34	0.07	-0.12	-0.03	-0.02	0.10	-115.04	-238.03	-120.26	-232.82	24.78
67	75	139	0.07	0.30	0.22	0.22	0.29	0.02	19.55	-30.49	-26.99	16.04	12.77
		47	0.28	0.17	-7.12e-03	0.13	0.04	-0.08	-34.02	-183.42	-61.34	-156.10	57.75
		136	0.28	0.14	-0.12	0.06	-0.04	-0.12	-6.44	-170.15	-11.69	-164.90	-28.84
		143	0.14	0.21	0.07	0.12	0.16	-0.06	87.60	7.24	38.25	56.59	-39.12
67	76	139	0.26	0.28	-0.11	-0.08	0.25	-0.11	-10.87	-161.31	-75.69	-96.49	-74.50
		47	0.17	0.48	-0.08	-0.06	0.46	-0.10	57.37	-57.27	-47.43	47.53	-32.12
		136	0.08	0.45	0.18	0.19	0.44	0.04	36.62	-9.09	-8.43	35.97	5.43
		143	0.09	0.18	0.13	0.14	0.18	-0.01	-21.77	-58.44	-21.79	-58.42	-0.85
67	77	139	0.30	-0.02	-0.27	-0.04	-0.24	0.07	122.07	-85.17	-48.65	85.55	78.97
		47	0.51	-0.08	-0.60	-0.09	-0.60	0.07	-82.26	-331.48	-123.30	-290.43	92.44
		136	0.42	-0.21	-0.57	-0.23	-0.56	-0.07	-18.77	-257.10	-24.55	-251.33	-36.64
		143	0.27	-0.13	-0.17	-0.15	-0.15	-0.02	143.60	-33.37	35.21	75.02	-86.22
67	78	139	0.15	-0.26	-0.38	-0.35	-0.29	-0.06	-26.02	-98.32	-97.35	-26.98	-8.30
		47	0.17	-0.16	-0.30	-0.28	-0.17	0.04	-86.52	-109.69	-109.40	-86.81	2.58
		136	0.07	-2.18e-03	-0.18	-0.11	-0.08	0.09	-21.10	-50.66	-21.29	-50.46	-2.37
		143	0.15	-0.10	-0.17	-0.13	-0.14	0.03	16.13	-80.95	-24.83	-39.99	-47.95
67	79	139	0.08	0.31	0.23	0.24	0.30	0.03	24.63	-28.38	-23.11	19.36	15.86
		47	0.29	0.18	-0.01	0.14	0.02	-0.08	-31.18	-186.64	-58.52	-159.30	59.18
		136	0.29	0.14	-0.13	0.06	-0.05	-0.12	-6.18	-174.03	-11.68	-168.53	-29.89
		143	0.15	0.21	0.07	0.12	0.16	-0.06	89.82	9.35	39.59	59.57	-38.97
67	80	139	0.27	0.27	-0.13	-0.10	0.24	-0.11	-11.43	-167.94	-79.57	-99.80	-77.59
		47	0.18	0.49	-0.09	-0.07	0.47	-0.10	60.86	-60.38	-50.25	50.72	-33.55
		136	0.08	0.46	0.18	0.19	0.46	0.04	40.46	-9.30	-8.44	39.60	6.48
		143	0.09	0.18	0.13	0.13	0.18	-0.01	-23.11	-61.43	-23.13	-61.40	-0.99
67	81	139	0.31	3.30e-04	-0.26	-0.03	-0.24	0.08	127.87	-83.78	-44.77	88.86	82.06
		47	0.51	-0.07	-0.62	-0.08	-0.61	0.07	-79.36	-334.76	-120.48	-293.63	93.88
		136	0.43	-0.21	-0.59	-0.23	-0.57	-0.08	-18.53	-260.97	-24.54	-254.96	-37.69
		143	0.27	-0.13	-0.17	-0.15	-0.15	-0.02	145.81	-31.26	36.55	78.01	-86.08
67	82	139	0.16	-0.26	-0.40	-0.36	-0.29	-0.06	-28.52	-103.01	-101.22	-30.30	-11.40
		47	0.17	-0.15	-0.31	-0.29	-0.16	0.04	-83.57	-112.26	-112.21	-83.61	1.14
		136	0.07	0.01	-0.18	-0.10	-0.06	0.09	-21.23	-46.90	-21.30	-46.83	-1.32
		143	0.15	-0.10	-0.17	-0.13	-0.14	0.03	14.25	-83.39	-26.18	-42.97	-48.09
67	83	139	0.19	0.30	0.22	0.23	0.29	0.03	102.32	-20.61	18.83	62.88	57.39
		47	0.28	0.18	-7.48e-03	0.14	0.03	-0.07	-30.83	-183.09	-57.39	-156.52	57.78
		136	0.29	0.14	-0.13	0.06	-0.05	-0.12	-5.77	-174.30	-11.51	-168.56	-30.57
		143	0.15	0.21	0.08	0.12	0.16	-0.06	88.99	6.91	38.00	57.90	-39.81
67	84	139	0.11	0.28	-0.11	-0.08	0.25	-0.10	-8.29	-71.24	-29.87	-49.65	-29.88
		47	0.17	0.47	-0.07	-0.05	0.45	-0.10	57.31	-53.69	-43.48	47.10	-32.08
		136	0.07	0.44	0.18	0.18	0.43	0.03	32.64	-8.59	-8.26	32.31	3.70
		143	0.09	0.18	0.13	0.14	0.18	-8.66e-03	-21.97	-57.18	-22.04	-57.11	-1.54
67	85	139	0.22	-0.02	-0.27	-0.05	-0.24	0.07	47.05	-102.80	-94.47	38.71	34.35
		47	0.51	-0.10	-0.60	-0.10	-0.59	0.06	-85.50	-331.76	-127.25	-290.01	92.40
		136	0.41	-0.21	-0.56	-0.23	-0.55	-0.07	-19.38	-253.01	-24.72	-247.67	-34.91
		143	0.27	-0.13	-0.17	-0.15	-0.15	-0.02	142.22	-33.06	35.45	73.71	-85.53
67	86	139	0.26	-0.26	-0.39	-0.35	-0.29	-0.06	-45.22	-171.77	-143.17	-73.82	-52.92
		47	0.18	-0.15	-0.31	-0.29	-0.17	0.04	-86.15	-113.58	-113.34	-86.39	2.54
		136	0.07	9.28e-03	-0.18	-0.10	-0.07	0.09	-21.45	-46.82	-21.46	-46.81	-0.64
		143	0.15	-0.11	-0.16	-0.13	-0.14	0.03	15.05	-80.93	-24.59	-41.29	-47.25
67	87	139	0.20	0.31	0.23	0.24	0.30	0.03	108.72	-19.82	22.71	66.19	60.48
		47	0.29	0.19	-0.01	0.15	0.02	-0.07	-27.95	-186.34	-54.57	-159.72	59.22
		136	0.30	0.14	-0.14	0.06	-0.06	-0.13	-5.51	-178.19	-11.51	-172.19	-31.62
		143	0.15	0.21	0.08	0.12	0.16	-0.06	91.22	9.01	39.34	60.88	-39.67
67	88	139	0.12	0.27	-0.13	-0.09	0.24	-0.11	-9.01	-77.71	-33.74	-52.97	-32.98
		47	0.18	0.48	-0.08	-0.06	0.47	-0.10	60.79	-56.79	-46.30	50.30	-33.52
		136	0.07	0.45	0.18	0.19	0.45	0.04	36.45	-8.77	-8.26	35.94	4.75
		143	0.09	0.18	0.13	0.13	0.18	-7.94e-03	-23.30	-60.17	-23.38	-60.09	-1.68
67	89	139	0.22	-3.73e-03	-0.26	-0.03	-0.24	0.08	51.87	-100.43	-90.59	42.03	37.44
		47	0.51	-0.08	-0.61	-0.09	-0.60	0.07	-82.62	-335.02	-124.43	-293.21	93.84
		136	0.42	-0.21	-0.57	-0.23	-0.56	-0.07	-19.14	-256.87	-24.71	-251.30	-35.96
		143	0.27	-0.13	-0.17	-0.15	-0.15	-0.02	144.43	-30.94	36.80	76.70	-85.38
67	90	139	0.27	-0.26	-0.40	-0.37	-0.30	-0.06	-46.06	-178.12	-147.04	-77.14	-56.02
		47	0.18	-0.14	-0.32	-0.30	-0.16	0.04	-83.15	-116.20	-116.16	-83.19	1.10
		136	0.06	0.02	-0.18	-0.10	-0.05	0.10	-21.46	-43.18	-21.47	-43.18	0.41
		143	0.15	-0.11	-0.17	-0.13	-0.14	0.03	13.18	-83.38	-25.93	-44.28	-47.40
67	91	139	0.48	0.58	0.07	0.49	0.16	0.19	253.66	-59.75	22.26	171.65	
137.75													
		47	0.85	0.27	-0.68	0.27	-0.68	-1.97e-03	-25.68	-514.25	-99.25	-440.68	
174.73													
		136	0.74	-0.07	-0.90	-0.18	-0.78	-0.29	-7.85	-441.63	-19.99	-429.49	-71.54
		143	0.41	0.13	-0.09	6.00e-03	0.04	-0.11	262.11	42.34	107.23	197.22	-
100.26													

67	92	139	0.54	0.09	-0.62	-0.53	8.29e-04	-0.24	-15.38	-328.16	-140.10	-203.45	-153.15
		47	0.59	0.74	-0.36	-0.36	0.73	-0.07	284.27	-99.10	-52.89	238.07	-124.81
		136	0.44	0.91	0.14	0.23	0.82	0.24	247.17	-16.24	-9.13	240.06	42.67
		143	0.28	0.14	7.05e-03	0.06	0.08	0.06	-85.49	-193.56	-92.90	-186.14	27.32
67	93	139	0.55	0.49	-0.09	0.41	2.63e-03	0.21	284.83	-76.56	15.76	192.50	157.61
		47	0.91	0.21	-0.87	0.20	-0.87	0.04	-40.10	-558.72	-117.84	-480.98	185.14
		136	0.79	-0.17	-1.03	-0.27	-0.94	-0.27	-11.55	-467.72	-23.84	-455.42	-73.88
		143	0.44	0.03	-0.16	-0.07	-0.06	-0.10	278.66	30.40	106.32	202.75	-114.39
67	94	139	0.48	-0.07	-0.70	-0.61	-0.16	-0.22	-30.10	-299.09	-146.59	-182.60	-133.29
		47	0.53	0.54	-0.42	-0.42	0.54	-0.03	239.82	-113.53	-71.48	197.77	-114.41
		136	0.40	0.77	0.04	0.14	0.67	0.25	221.08	-19.94	-12.99	214.13	40.33
		143	0.26	0.06	-0.09	-0.02	-0.01	0.08	-91.86	-182.57	-93.82	-180.61	13.19
67	95	139	0.53	0.58	0.07	0.49	0.16	0.19	279.51	-57.80	36.00	185.70	151.14
		47	0.85	0.27	-0.68	0.27	-0.68	-1.79e-03	-24.69	-514.18	-98.06	-440.81	174.74
		136	0.75	-0.07	-0.90	-0.18	-0.79	-0.29	-7.66	-442.87	-19.93	-430.59	-72.06
		143	0.41	0.13	-0.09	6.08e-03	0.04	-0.11	262.56	42.21	107.16	197.61	-100.46
67	96	139	0.50	0.09	-0.62	-0.53	8.81e-04	-0.24	-14.60	-301.14	-126.35	-189.40	-139.76
		47	0.59	0.74	-0.36	-0.35	0.73	-0.07	284.30	-98.06	-51.71	237.94	-124.80
		136	0.44	0.90	0.14	0.23	0.82	0.24	245.93	-16.05	-9.08	238.96	42.15
		143	0.28	0.14	6.13e-03	0.06	0.08	0.07	-85.64	-193.09	-92.98	-185.75	27.11
67	97	139	0.51	0.49	-0.09	0.40	2.57e-03	0.21	259.30	-78.83	2.01	178.46	144.23
		47	0.91	0.20	-0.87	0.20	-0.87	0.04	-41.09	-558.78	-119.02	-480.85	185.12
		136	0.78	-0.17	-1.03	-0.27	-0.94	-0.27	-11.73	-466.49	-23.90	-454.33	-73.36
		143	0.44	0.03	-0.16	-0.07	-0.06	-0.10	278.22	30.52	106.39	202.35	-114.18
67	98	139	0.53	-0.07	-0.70	-0.61	-0.16	-0.22	-30.70	-326.28	-160.34	-196.65	-146.67
		47	0.53	0.55	-0.43	-0.43	0.55	-0.03	239.79	-114.56	-72.67	197.90	-114.42
		136	0.40	0.77	0.04	0.14	0.67	0.26	222.32	-20.13	-13.04	215.23	40.85
		143	0.26	0.06	-0.09	-0.02	-0.01	0.08	-91.73	-183.01	-93.74	-181.00	13.40
67	99	139	0.52	0.64	0.08	0.54	0.18	0.21	274.37	-56.49	35.17	182.72	148.07
		47	0.87	0.31	-0.72	0.31	-0.72	-6.34e-04	-15.85	-525.34	-89.85	-451.34	179.52
		136	0.77	-0.06	-0.95	-0.18	-0.83	-0.30	-7.00	-454.56	-19.96	-441.59	-75.06
		143	0.42	0.14	-0.09	0.01	0.04	-0.11	270.04	48.83	111.71	207.16	-99.77
67	100	139	0.58	0.09	-0.68	-0.58	-0.01	-0.26	-17.43	-350.09	-153.01	-214.51	-163.46
		47	0.62	0.77	-0.40	-0.40	0.77	-0.07	295.66	-109.22	-62.29	248.73	-129.60
		136	0.46	0.96	0.14	0.23	0.87	0.26	260.08	-17.08	-9.16	252.16	46.19
		143	0.29	0.13	-9.26e-04	0.06	0.08	0.07	-90.55	-202.91	-97.38	-196.09	26.84
67	101	139	0.58	0.56	-0.08	0.46	0.02	0.23	305.45	-73.22	28.67	203.57	167.93
		47	0.94	0.25	-0.91	0.25	-0.91	0.04	-30.26	-569.82	-108.44	-491.64	189.93
		136	0.81	-0.17	-1.08	-0.27	-0.98	-0.29	-10.71	-480.64	-23.82	-467.52	-77.40
		143	0.45	0.04	-0.16	-0.07	-0.05	-0.10	286.52	36.97	110.79	212.69	-113.90
67	102	139	0.52	-0.07	-0.76	-0.66	-0.17	-0.24	-31.97	-321.19	-159.50	-193.66	-143.60
		47	0.56	0.58	-0.46	-0.46	0.58	-0.03	251.21	-123.66	-80.88	208.43	-119.20
		136	0.42	0.82	0.03	0.14	0.71	0.27	234.01	-20.80	-13.01	226.23	43.85
		143	0.28	0.06	-0.10	-0.03	-0.02	0.08	-96.57	-192.28	-98.29	-190.56	12.71
67	103	139	0.56	0.64	0.08	0.54	0.18	0.21	300.41	-54.74	48.91	196.77	161.45

		47	0.87	0.32	-0.72	0.32	-0.72	-4.56e-04	-14.85	-525.29	-88.66	-451.47
179.53												
		136	0.77	-0.06	-0.95	-0.18	-0.83	-0.31	-6.81	-455.80	-19.91	-442.69-75.58
		143	0.42	0.14	-0.08	0.01	0.04	-0.11	270.48	48.71	111.63	207.56-99.98
67	104	139	0.53	0.09	-0.68	-0.58	-0.01	-0.26	-16.70	-323.02	-139.26	-200.46 -
150.08												
		47	0.62	0.77	-0.40	-0.39	0.77	-0.07	295.68	-108.18	-61.11	248.60 -
129.59												
		136	0.46	0.95	0.14	0.23	0.86	0.26	258.85	-16.89	-9.10	251.06 45.67
		143	0.29	0.14	-1.84e-03	0.06	0.08	0.07	-90.70	-202.45	-97.45	-195.70 26.63
67	105	139	0.54	0.55	-0.08	0.46	0.02	0.23	279.71	-75.27	14.92	189.52
154.54												
		47	0.94	0.24	-0.91	0.24	-0.91	0.04	-31.26	-569.88	-109.62	-491.51
189.92												
		136	0.81	-0.17	-1.08	-0.27	-0.98	-0.29	-10.90	-479.40	-23.87	-466.43-76.88
		143	0.45	0.04	-0.16	-0.07	-0.05	-0.10	286.08	37.09	110.87	212.30 -
113.70												
67	106	139	0.56	-0.07	-0.77	-0.67	-0.17	-0.24	-32.55	-348.41	-173.25	-207.71 -
156.99												
		47	0.57	0.58	-0.47	-0.47	0.58	-0.03	251.20	-124.71	-82.07	208.56 -
119.21												
		136	0.42	0.82	0.03	0.14	0.71	0.27	235.25	-20.99	-13.07	227.33 44.37
		143	0.28	0.06	-0.10	-0.03	-0.02	0.08	-96.45	-192.72	-98.22	-190.95 12.91
68	1	145	0.05	0.03	5.02e-03	5.02e-03	0.03	-1.33e-04	-10.61	-33.27	-27.05	-16.82-10.11
		146	0.14	0.01	3.77e-04	3.78e-04	0.01	-1.33e-04	41.83	-56.15	-22.13	7.81-46.65
		55	0.21	3.55e-03	-0.04	-0.04	3.55e-03	-1.33e-04	0.72	-126.85	-115.30	-10.83-36.60
		29	0.18	0.03	-0.03	-0.03	0.03	-1.33e-04	-35.46	-120.23	-120.23	-35.46 -0.06
68	2	145	0.25	-0.19	-1.37	-0.46	-1.10	0.50	-64.28	-172.51	-114.30	-122.48-53.96
		146	0.38	0.61	-0.50	-0.18	0.29	0.50	89.69	-163.28	-87.10	13.51 -
116.05												
		55	0.49	3.68	0.95	3.59	1.05	0.50	-3.02	-260.57	-245.44	-18.15-60.57
		29	0.44	3.38	-0.41	3.31	-0.34	0.50	-154.13	-272.66	-272.64	-154.15 1.53
68	3	145	0.03	0.05	0.01	0.01	0.05	-9.50e-03	-6.98	-23.13	-19.16	-10.95 -6.95
		146	0.11	0.01	-6.00e-03	3.72e-03	3.28e-03	-9.50e-03	31.29	-41.18	-15.80	5.90-34.57
		55	0.16	-0.02	-0.10	-0.10	-0.02	-9.50e-03	0.64	-95.07	-86.24	-8.19-27.70
		29	0.14	0.03	-0.09	-0.09	0.03	-9.50e-03	-25.04	-89.61	-89.61	-25.04 -0.08
68	4	145	0.24	-0.19	-1.35	-0.45	-1.08	0.49	-60.45	-162.56	-106.41	-116.61-50.80
		146	0.34	0.59	-0.49	-0.18	0.28	0.49	79.19	-148.36	-80.77	11.60 -
103.98												
		55	0.43	3.62	0.93	3.53	1.03	0.49	-3.01	-228.89	-216.38	-15.52-51.67
		29	0.40	3.32	-0.41	3.26	-0.34	0.49	-143.71	-242.04	-242.02	-143.73 1.51
68	5	145	0.04	0.04	7.06e-03	7.67e-03	0.04	-4.19e-03	-7.65	-24.52	-20.10	-12.07 -7.42
		146	0.11	8.78e-03	-7.22e-04	1.78e-03	6.28e-03	-4.19e-03	31.79	-42.32	-16.49	5.96-35.31
		55	0.16	-5.50e-03	-0.06	-0.06	-5.83e-03	-4.19e-03	0.59	-96.48	-87.63	-8.27-27.96
		29	0.14	0.02	-0.05	-0.05	0.02	-4.19e-03	-26.30	-91.23	-91.23	-26.30 -0.06
68	6	145	0.17	-0.12	-0.90	-0.30	-0.72	0.33	-43.67	-117.10	-78.26	-82.51-36.65
		146	0.27	0.40	-0.33	-0.12	0.19	0.33	63.67	-113.71	-59.80	9.76-81.58
		55	0.34	2.42	0.63	2.36	0.69	0.33	-1.96	-185.58	-174.38	-13.15-43.94
		29	0.31	2.22	-0.27	2.18	-0.22	0.33	-105.42	-192.85	-192.84	-105.43 1.00
68	7	145	0.04	0.04	7.06e-03	7.67e-03	0.04	-4.19e-03	-7.65	-24.52	-20.10	-12.07 -7.42
		146	0.11	8.78e-03	-7.22e-04	1.78e-03	6.28e-03	-4.19e-03	31.79	-42.32	-16.49	5.96-35.31
		55	0.16	-5.50e-03	-0.06	-0.06	-5.83e-03	-4.19e-03	0.59	-96.48	-87.63	-8.27-27.96
		29	0.14	0.02	-0.05	-0.05	0.02	-4.19e-03	-26.30	-91.23	-91.23	-26.30 -0.06
68	8	145	0.13	-0.08	-0.62	-0.21	-0.49	0.23	-33.21	-88.98	-60.81	-61.38-27.88
		146	0.22	0.28	-0.23	-0.08	0.14	0.23	54.06	-92.25	-46.81	8.62-67.70
		55	0.29	1.68	0.44	1.63	0.48	0.23	-1.27	-158.77	-148.36	-11.69-39.14
		29	0.26	1.54	-0.18	1.51	-0.15	0.23	-81.69	-162.36	-162.36	-81.69 0.68
68	9	145	0.04	0.04	7.06e-03	7.67e-03	0.04	-4.19e-03	-7.65	-24.52	-20.10	-12.07 -7.42
		146	0.11	8.78e-03	-7.22e-04	1.78e-03	6.28e-03	-4.19e-03	31.79	-42.32	-16.49	5.96-35.31
		55	0.16	-5.50e-03	-0.06	-0.06	-5.83e-03	-4.19e-03	0.59	-96.48	-87.63	-8.27-27.96
		29	0.14	0.02	-0.05	-0.05	0.02	-4.19e-03	-26.30	-91.23	-91.23	-26.30 -0.06
68	10	145	0.12	-0.07	-0.53	-0.18	-0.42	0.19	-29.71	-79.63	-54.99	-54.34-24.96
		146	0.20	0.24	-0.19	-0.07	0.12	0.19	50.87	-85.10	-42.48	8.24-63.08
		55	0.27	1.43	0.37	1.39	0.41	0.19	-1.03	-149.85	-139.68	-11.20-37.54
		29	0.24	1.31	-0.15	1.28	-0.12	0.19	-73.77	-152.20	-152.20	-73.78 0.58
68	11	145	0.11	-0.09	-1.31	-0.33	-1.07	0.49	66.31	19.00	25.12	60.19 15.88
		146	0.29	1.43	-1.86	-0.14	-0.29	1.64	129.54	-29.43	28.90	71.21-76.62
		55	0.60	8.43	0.88	7.20	2.10	2.79	-26.66	-294.81	-217.88	-103.59 -
121.28												
		29	0.43	6.55	1.12	6.52	1.15	0.42	4.27	-196.52	-193.54	1.29 24.28
68	12	145	0.27	-0.47	-3.46	-1.06	-2.87	1.19	61.01	-95.05	50.77	-84.80 38.65
		146	0.50	0.01	-1.03	-0.53	-0.48	0.52	260.92	-49.32	89.07	122.53 -

154.21													
		55	0.79	3.35	0.77	2.93	1.19	0.95	-69.05	-473.22	-413.12	-129.14	-
143.79													
		29	0.74	2.65	0.20	2.59	0.26	0.38	-139.20	-479.46	-425.64	-193.02	
124.16													
68	13	145	0.38	2.41	0.33	0.71	2.04	-0.80	19.61	-204.24	-160.76	-23.87	-88.56
		146	0.27	0.77	0.35	0.39	0.72	-0.13	-95.96	-184.12	-174.03	-106.05	28.06
		55	0.30	0.32	-0.83	-0.14	-0.36	-0.56	190.27	50.23	133.76	106.74	68.70
		29	0.40	-0.02	-0.51	-0.02	-0.50	0.01	212.07	-45.36	121.24	45.46	-
123.01													
68	14	145	0.32	0.27	-0.06	-0.03	0.23	-0.10	-84.07	-219.91	-135.11	-168.87	-65.79
		146	0.24	1.54	-1.02	5.35e-04	0.53	-1.25	-26.60	-141.98	-113.86	-54.72	-49.53
		55	0.27	0.02	-5.71	-4.42	-1.28	-2.40	94.85	-75.13	-61.48	81.19	46.20
		29	0.27	-1.40	-3.95	-3.95	-1.40	-0.03	-99.92	-159.78	-110.86	-148.85	-23.13
68	15	145	0.11	0.66	-1.89	-0.29	-0.94	1.24	67.33	16.05	19.53	63.85	12.89
		146	0.26	0.27	-0.71	-0.14	-0.30	0.48	122.83	-41.58	19.87	61.38	-79.54
		55	0.51	3.34	1.55	2.72	2.17	0.85	-30.23	-295.80	-226.34	-99.69	-
116.72													
		29	0.37	2.56	1.09	2.42	1.24	0.43	6.08	-200.79	-199.61	4.90	15.59
68	16	145	0.28	-1.00	-3.10	-1.09	-3.00	0.44	67.47	-99.58	56.36	-88.47	41.63
		146	0.53	1.18	-2.18	-0.54	-0.47	1.68	267.49	-37.03	98.10	132.36	-
151.29													
		55	0.87	8.53	-3.04e-03	7.41	1.12	2.89	-67.72	-469.99	-404.67	-133.04	-
148.36													
		29	0.80	6.71	0.15	6.69	0.17	0.37	-134.67	-481.52	-419.56	-196.63	
132.85													
68	17	145	0.38	2.17	0.74	0.74	2.16	-0.05	23.85	-210.41	-166.34	-20.21	-91.55
		146	0.30	1.85	-0.75	0.39	0.71	-1.29	-107.51	-191.42	-183.06	-115.88	25.14
		55	0.38	0.84	-5.77	-4.62	-0.30	-2.50	191.61	44.34	125.31	110.64	73.27
		29	0.44	-0.42	-4.12	-4.12	-0.42	0.02	217.91	-53.67	115.17	49.07	-
131.70													
68	18	145	0.33	0.87	-0.83	-0.06	0.10	-0.85	-84.64	-217.41	-129.52	-172.53	-62.81
		146	0.21	0.56	-0.02	-1.96e-03	0.54	-0.09	-19.45	-130.28	-104.83	-44.89	-46.61
		55	0.25	0.20	-1.48	0.07	-1.34	-0.46	89.46	-65.19	-53.03	77.30	41.63
		29	0.25	0.16	-1.49	0.15	-1.48	-0.04	-100.75	-156.49	-104.78	-152.46	-14.44
68	19	145	0.13	2.07	-0.35	-0.26	1.97	0.47	62.26	14.72	17.78	59.20	11.67
		146	0.34	1.32	-1.73	-0.12	-0.30	1.52	58.47	-145.52	21.86	-108.91	-78.28
		55	0.61	8.06	0.88	6.90	2.05	2.65	-28.33	-306.38	-224.48	-110.23	-
126.75													
		29	0.43	6.26	1.12	6.22	1.16	0.43	11.34	-199.79	-197.62	9.17	21.28
68	20	145	0.22	0.90	-1.72	-0.99	0.17	1.17	52.03	-94.40	43.43	-85.80	34.44
		146	0.50	-0.10	-0.90	-0.51	-0.49	0.40	183.02	-158.57	82.03	-57.58	-
155.87													
		55	0.80	2.98	0.77	2.63	1.13	0.81	-71.76	-483.74	-419.72	-135.78	-
149.26													
		29	0.74	2.37	0.19	2.30	0.26	0.38	-135.28	-479.58	-429.72	-185.14	
121.16													
68	21	145	0.35	0.95	-1.32	0.64	-1.01	-0.78	18.51	-194.80	-153.42	-22.88	-84.35
		146	0.37	0.73	0.37	0.37	0.73	-7.86e-03	77.68	-170.60	-166.99	74.07	29.72
		55	0.31	0.41	-0.56	0.16	-0.31	-0.42	202.26	51.48	140.36	113.38	74.17
		29	0.40	0.27	-0.51	0.27	-0.51	8.14e-03	209.23	-46.32	125.33	37.58	-
120.01													
68	22	145	0.34	-0.09	-2.81	-0.10	-2.81	-0.08	-83.06	-212.58	-127.77	-167.87	-61.58
		146	0.38	1.42	-0.91	-0.03	0.54	-1.13	134.87	-116.30	-106.82	125.39	-47.87
		55	0.28	9.19e-03	-5.35	-4.11	-1.23	-2.26	104.57	-71.62	-54.88	87.83	51.66
		29	0.27	-1.41	-3.65	-3.65	-1.41	-0.04	-99.67	-163.83	-106.77	-156.73	-20.13
68	23	145	0.15	2.62	-0.75	-0.23	2.10	1.22	64.31	10.74	12.19	62.86	8.68
		146	0.32	0.16	-0.59	-0.11	-0.31	0.36	51.55	-157.46	12.83	-118.74	-81.20
		55	0.53	2.99	1.54	2.42	2.11	0.71	-32.03	-307.24	-232.93	-106.33	-
122.18													
		29	0.38	2.30	1.06	2.12	1.24	0.44	13.51	-204.42	-203.69	12.78	12.59
68	24	145	0.24	0.19	-1.17	-1.03	0.04	0.42	58.48	-98.93	49.02	-89.46	37.42
		146	0.53	1.06	-2.05	-0.51	-0.48	1.56	189.62	-146.31	91.06	-47.75	-
152.95													
		55	0.88	8.17	4.44e-03	7.11	1.07	2.75	-70.28	-480.66	-411.27	-139.67	-
153.82													
		29	0.80	6.42	0.16	6.40	0.18	0.37	-131.11	-481.29	-423.65	-188.75	
129.85													
68	25	145	0.37	0.67	-0.88	0.67	-0.88	-0.03	22.75	-200.97	-159.00	-19.22	-87.34
		146	0.37	1.72	-0.64	0.37	0.72	-1.17	67.19	-178.97	-176.02	64.24	26.80
		55	0.39	0.83	-5.40	-4.32	-0.24	-2.36	203.66	45.52	131.90	117.28	78.73
		29	0.44	-0.43	-3.83	-3.83	-0.43	0.02	214.71	-54.27	119.26	41.19	-

128.70												
68	26	145	0.35	0.10	-3.16	-0.13	-2.94	-0.83	-83.28	-210.44	-122.18	-171.54-58.60
		146	0.37	0.55	-0.03	-0.03	0.55	0.03	143.59	-106.16	-97.79	135.22-44.95
		55	0.26	0.43	-1.35	0.37	-1.29	-0.32	99.17	-61.67	-46.43	83.94 47.10
		29	0.26	0.45	-1.49	0.45	-1.49	-0.05	-98.58	-162.46	-100.70	-160.34-11.44
68	27	145	0.46	2.50	0.51	0.89	2.12	-0.79	207.96	-77.89	-69.86	199.93-47.25
		146	0.26	2.73	-1.94	0.50	0.29	2.33	-22.33	-140.71	-112.32	-50.71 50.54
		55	0.37	11.20	0.72	9.61	2.31	3.75	138.83	-6.02	132.97	-0.17-28.53
		29	0.60	8.82	1.60	8.80	1.62	0.33	361.93	68.93	187.42	243.44 -
143.80												
68	28	145	0.55	-0.77	-4.67	-1.56	-3.88	1.56	18.36	-286.11	15.63	-283.39 28.66
		146	0.66	0.85	-2.01	-0.80	-0.35	-1.41	313.03	-104.41	88.25	120.37 -
208.10												
		55	0.95	0.37	-5.74	-4.63	-0.75	-2.36	-61.81	-541.35	-517.83	-85.33 -
103.56												
		29	1.08	-1.36	-4.28	-4.27	-1.37	0.18	-285.36	-705.14	-586.25	-404.25
189.14												
68	29	145	0.53	3.62	0.63	1.20	3.05	-1.17	194.03	-144.94	-125.62	174.71-78.58
		146	0.38	2.43	-1.17	0.66	0.59	1.80	-49.57	-227.52	-173.20	-103.89 81.95
		55	0.50	8.50	0.48	7.41	1.57	2.75	242.97	58.43	238.47	62.93 28.47
		29	0.75	6.85	1.11	6.84	1.12	0.21	457.68	80.87	281.85	256.69 -
187.99												
68	30	145	0.53	-0.65	-3.55	-1.25	-2.95	1.18	-40.10	-308.63	-40.13	-308.60 -2.67
		146	0.57	1.62	-2.31	-0.64	-0.05	-1.94	225.10	-130.53	27.37	67.20 -
176.70												
		55	0.81	0.14	-8.45	-6.83	-1.49	-3.36	-16.75	-417.82	-412.34	-22.23-46.56
		29	0.93	-1.87	-6.24	-6.23	-1.87	0.06	-287.94	-594.87	-491.81	-391.00
144.95												
68	31	145	0.47	3.29	0.65	0.91	3.03	-0.79	208.03	-80.46	-72.06	199.63-48.51
		146	0.27	2.69	-1.90	0.51	0.28	2.30	-59.31	-159.87	-114.44	-104.75 50.04
		55	0.36	11.09	0.73	9.52	2.29	3.71	137.51	-8.68	131.00	-2.16-30.17
		29	0.60	8.73	1.60	8.72	1.62	0.33	363.74	68.26	186.20	245.81 -
144.70												
68	32	145	0.54	-0.54	-3.97	-1.54	-2.97	1.56	15.94	-286.19	13.43	-283.68 27.40
		146	0.65	0.89	-2.04	-0.79	-0.36	-1.45	285.07	-132.59	86.14	66.34 -
208.60												
		55	0.95	0.37	-5.85	-4.72	-0.76	-2.40	-63.09	-544.04	-519.81	-87.32 -
105.20												
		29	1.08	-1.36	-4.37	-4.36	-1.37	0.18	-284.82	-704.55	-587.47	-401.89
188.24												
68	33	145	0.52	2.92	0.40	1.18	2.14	-1.17	193.85	-142.26	-123.42	175.01-77.32
		146	0.38	2.46	-1.21	0.65	0.59	1.84	-8.14	-212.81	-171.09	-49.86 82.45
		55	0.50	8.61	0.48	7.50	1.59	2.79	245.47	59.90	240.45	64.92 30.11
		29	0.75	6.94	1.11	6.93	1.12	0.21	456.34	81.07	283.08	254.33 -
187.09												
68	34	145	0.54	-0.81	-4.32	-1.27	-3.87	1.18	-37.92	-308.31	-37.93	-308.31 -1.40
		146	0.59	1.58	-2.28	-0.65	-0.05	-1.91	257.43	-106.71	29.48	121.23 -
176.20												
		55	0.80	0.13	-8.34	-6.74	-1.47	-3.32	-15.13	-415.46	-410.36	-20.24-44.92
		29	0.93	-1.87	-6.15	-6.15	-1.87	0.06	-288.24	-595.72	-490.59	-393.37
145.85												
68	35	145	0.49	3.66	-0.10	1.00	2.55	1.71	222.65	-99.00	-88.49	212.14-57.19
		146	0.27	1.92	-1.17	0.51	0.24	-1.54	-62.61	-163.29	-142.42	-83.48 40.81
		55	0.28	3.36	-6.16	-5.32	2.52	-2.70	106.69	10.93	104.80	12.82-13.31
		29	0.63	1.92	-4.88	-4.86	1.90	0.37	389.65	33.01	167.18	255.48 -
172.77												
68	36	145	0.59	-1.37	-4.61	-1.67	-4.32	-0.94	38.72	-300.06	34.26	-295.60 38.61
		146	0.69	1.91	-3.03	-0.81	-0.31	2.46	334.87	-63.38	118.34	153.14 -
198.37												
		55	1.03	11.64	-2.29	10.31	-0.96	4.09	-65.09	-522.88	-489.65	-98.32 -
118.77												
		29	1.15	9.40	-1.65	9.39	-1.65	0.14	-260.55	-721.74	-566.01	-416.29
218.11												
68	37	145	0.56	4.11	0.68	1.31	3.48	1.33	209.10	-166.43	-144.25	186.92-88.52
		146	0.41	2.68	-1.46	0.67	0.55	-2.07	-90.45	-249.51	-203.30	-136.66 72.21
		55	0.49	3.07	-8.82	-7.52	1.78	-3.70	223.25	62.97	210.29	75.92 43.68
		29	0.81	1.41	-6.83	-6.83	1.40	0.25	482.16	48.18	261.61	268.73 -
216.96												
68	38	145	0.56	-0.71	-4.04	-1.36	-3.39	-1.32	-21.32	-320.99	-21.50	-320.82 7.28
		146	0.56	1.63	-2.28	-0.65	-6.52e-03	1.93	247.02	-89.59	57.46	99.97 -
166.96												
		55	0.81	9.00	-2.59	8.11	-1.70	3.09	-24.60	-394.77	-384.16	-35.22-61.77

		29	0.95	7.43	-2.15	7.43	-2.15	0.02	-260.04	-614.57	-471.57	-403.04
173.92												
68	39	145	0.51	4.34	0.14	1.02	3.46	1.71	222.74	-101.59	-90.69	211.84-58.45
		146	0.29	1.96	-1.20	0.52	0.24	-1.57	-100.56	-181.49	-144.53	-137.52 40.31
		55	0.28	3.36	-6.27	-5.41	2.50	-2.74	105.19	8.46	102.82	10.83-14.95
		29	0.64	1.92	-4.97	-4.95	1.90	0.37	391.54	32.25	165.95	257.84 -
173.67												
68	40	145	0.57	-1.24	-3.81	-1.65	-3.40	-0.94	36.26	-300.09	32.06	-295.90 37.34
		146	0.67	1.88	-2.99	-0.80	-0.31	2.42	306.72	-91.38	116.23	99.11 -
198.86												
		55	1.03	11.53	-2.29	10.22	-0.97	4.05	-66.23	-525.71	-491.63	-100.31 -
120.41												
		29	1.14	9.31	-1.65	9.31	-1.65	0.15	-260.24	-720.91	-567.23	-413.92
217.21												
68	41	145	0.54	3.41	0.45	1.29	2.57	1.33	208.91	-163.74	-142.05	187.22-87.26
		146	0.40	2.64	-1.43	0.66	0.55	-2.03	-48.09	-235.72	-201.19	-82.62 72.71
		55	0.50	3.07	-8.71	-7.43	1.80	-3.66	226.13	64.05	212.27	77.91 45.32
		29	0.80	1.41	-6.74	-6.74	1.40	0.24	480.66	48.54	262.84	266.36 -
216.06												
68	42	145	0.58	-0.87	-4.80	-1.38	-4.30	-1.32	-19.06	-320.76	-19.30	-320.52 8.54
		146	0.58	1.66	-2.32	-0.66	-3.50e-03	1.96	279.82	-66.24	59.58	154.00 -
166.46												
		55	0.80	9.10	-2.59	8.20	-1.68	3.13	-23.15	-392.25	-382.18	-33.23-60.13
		29	0.95	7.52	-2.15	7.52	-2.15	0.02	-260.06	-615.68	-470.35	-405.40
174.82												
68	43	145	0.07	-0.08	-1.14	-0.29	-0.93	0.43	37.93	6.09	7.69	36.33 6.97
		146	0.27	1.16	-1.49	-0.13	-0.21	1.32	112.44	-41.64	13.11	57.69-73.75
		55	0.53	6.89	0.78	5.93	1.73	2.22	-23.69	-262.17	-201.58	-84.28 -
103.82												
		29	0.38	5.40	0.85	5.37	0.88	0.37	-12.11	-186.90	-184.88	-14.13 18.69
68	44	145	0.21	-0.38	-2.83	-0.87	-2.34	0.98	33.37	-84.14	27.80	-78.57 24.96
		146	0.43	0.06	-0.85	-0.43	-0.35	0.45	215.97	-57.10	60.66	98.21 -
135.24												
		55	0.68	2.94	0.70	2.61	1.03	0.79	-55.25	-405.38	-356.32	-104.31 -
121.53												
		29	0.63	2.37	0.12	2.32	0.17	0.34	-128.35	-408.60	-368.83	-168.12 97.79
68	45	145	0.31	1.78	0.24	0.51	1.51	-0.59	8.28	-176.17	-137.79	-30.10-74.87
		146	0.22	0.60	0.28	0.29	0.59	-0.06	-80.46	-146.88	-145.62	-81.72 9.08
		55	0.20	0.43	-0.46	0.18	-0.20	-0.40	125.95	32.93	76.96	81.91 46.44
		29	0.30	0.25	-0.43	0.25	-0.42	0.05	141.60	-56.60	64.44	20.56-96.64
68	46	145	0.28	0.10	-0.07	-0.06	0.10	-0.04	-72.84	-189.84	-117.68	-145.00-56.88
		146	0.23	1.18	-0.75	-0.02	0.44	-0.93	-10.02	-129.26	-98.07	-41.21-52.41
		55	0.24	0.12	-4.18	-3.15	-0.91	-1.83	67.57	-83.46	-77.78	61.89 28.73
		29	0.25	-1.13	-2.80	-2.80	-1.13	0.02	-107.60	-145.34	-119.51	-133.43-17.54
68	47	145	0.08	0.51	-1.60	-0.27	-0.82	1.01	39.81	2.66	3.24	39.23 4.60
		146	0.25	0.25	-0.59	-0.12	-0.22	0.42	107.08	-51.26	5.95	49.88-76.06
		55	0.46	2.89	1.33	2.43	1.79	0.71	-26.08	-263.37	-208.29	-81.17 -
100.18												
		29	0.34	2.28	0.84	2.17	0.95	0.38	-10.49	-190.47	-189.70	-11.26 11.80
68	48	145	0.22	-0.81	-2.54	-0.90	-2.45	0.39	38.47	-87.70	32.25	-81.48 27.32
		146	0.45	0.97	-1.75	-0.44	-0.34	1.36	221.21	-47.36	67.83	106.02 -
132.92												
		55	0.75	6.99	0.09	6.11	0.97	2.31	-54.36	-402.68	-349.62	-107.42 -
125.17												
		29	0.68	5.54	0.09	5.52	0.11	0.33	-125.11	-409.89	-364.02	-170.98
104.68												
68	49	145	0.31	1.62	0.54	0.54	1.62	1.27e-03	11.59	-181.02	-142.24	-27.20-77.24
		146	0.23	1.41	-0.54	0.29	0.58	-0.97	-88.82	-153.50	-152.78	-89.54 6.77
		55	0.26	0.75	-4.22	-3.32	-0.15	-1.92	128.27	27.02	70.26	85.03 50.08
		29	0.33	-0.35	-2.95	-2.95	-0.36	0.06	146.62	-63.58	59.62	23.42 -
103.53												
68	50	145	0.28	0.58	-0.67	-0.09	-9.54e-03	-0.62	-73.36	-187.78	-113.23	-147.91-54.52
		146	0.20	0.46	-0.02	-0.02	0.45	-0.03	-4.39	-119.91	-90.91	-33.39-50.09
		55	0.22	0.42	-1.04	0.35	-0.96	-0.32	63.45	-75.76	-71.08	58.77 25.09
		29	0.22	0.40	-1.20	0.40	-1.20	7.20e-03	-110.33	-140.66	-114.70	-136.29-10.65
68	51	145	0.09	1.56	-0.33	-0.24	1.46	0.41	35.87	1.19	1.54	35.53 3.46
		146	0.29	1.07	-1.39	-0.11	-0.21	1.23	49.44	-126.16	7.17	-83.90-75.07
		55	0.53	6.60	0.78	5.69	1.69	2.11	-25.15	-271.21	-206.83	-89.53 -
108.15												
		29	0.39	5.17	0.86	5.14	0.89	0.38	-6.34	-189.56	-188.13	-7.76 16.10
68	52	145	0.17	0.67	-1.44	-0.82	0.05	0.96	26.02	-83.74	21.65	-79.38 21.45
		146	0.43	-0.03	-0.74	-0.41	-0.36	0.35	150.77	-139.43	54.72	-43.38 -

136.56													
		55	0.69	2.65	0.70	2.37	0.98	0.68	-57.46	-413.66	-361.57	-109.55	-
125.86													
		29	0.63	2.15	0.12	2.09	0.18	0.34	-125.06	-408.78	-372.09	-161.75	95.20
68	53	145	0.29	0.67	-1.09	0.46	-0.88	-0.57	7.34	-168.28	-131.64	-29.30	-71.36
		146	0.30	0.60	0.27	0.27	0.60	0.04	60.40	-140.22	-139.68	59.86	10.41
		55	0.21	0.54	-0.28	0.42	-0.16	-0.29	135.52	33.85	82.21	87.15	50.77
		29	0.29	0.48	-0.43	0.48	-0.43	0.05	138.72	-56.84	67.69	14.19	-94.05
68	54	145	0.29	-0.12	-2.30	-0.12	-2.30	-0.02	-72.04	-183.69	-111.53	-144.20	-53.38
		146	0.33	1.08	-0.66	-0.04	0.45	-0.84	113.10	-104.84	-92.13	100.38	-51.08
		55	0.24	0.11	-3.89	-2.91	-0.87	-1.72	74.56	-79.96	-72.53	67.13	33.06
		29	0.25	-1.14	-2.57	-2.57	-1.14	0.01	-109.00	-147.05	-116.26	-139.79	-14.95
68	55	145	0.10	2.02	-0.66	-0.21	1.57	1.00	38.46	-2.94	-2.91	38.43	1.10
		146	0.28	0.16	-0.49	-0.10	-0.22	0.32	44.10	-135.80	6.97e-03	-91.71	-77.38
		55	0.47	2.61	1.33	2.19	1.74	0.60	-27.65	-272.29	-213.53	-86.41	-
104.51													
		29	0.34	2.07	0.82	1.94	0.96	0.39	-4.45	-193.40	-192.95	-4.90	9.21
68	56	145	0.18	0.09	-0.99	-0.84	-0.06	0.37	31.10	-87.29	26.10	-82.28	23.81
		146	0.45	0.88	-1.64	-0.42	-0.35	1.26	155.97	-129.65	61.88	-35.56	-
134.24													
		55	0.75	6.70	0.10	5.87	0.93	2.19	-56.47	-411.07	-354.87	-112.67	-
129.50													
		29	0.67	5.31	0.09	5.29	0.11	0.33	-122.10	-409.79	-367.27	-164.62	
102.09													
68	57	145	0.31	0.49	-0.78	0.49	-0.78	0.02	10.65	-173.13	-136.09	-26.39	-73.73
		146	0.30	1.31	-0.45	0.27	0.59	-0.87	52.38	-147.17	-146.84	52.05	8.09
		55	0.27	0.74	-3.93	-3.08	-0.11	-1.80	137.80	27.98	75.51	90.27	54.41
		29	0.32	-0.36	-2.72	-2.72	-0.36	0.06	143.48	-63.54	62.88	17.06	-
100.94													
68	58	145	0.30	9.74e-03	-2.55	-0.14	-2.40	-0.61	-72.30	-181.89	-107.08	-147.11	-51.01
		146	0.32	0.47	-0.05	-0.04	0.46	0.07	119.81	-96.58	-84.96	108.19	-48.77
		55	0.23	0.62	-0.95	0.59	-0.92	-0.21	70.37	-72.18	-65.83	64.01	29.42
		29	0.23	0.63	-1.20	0.63	-1.20	4.47e-03	-109.49	-144.62	-111.44	-142.66	-8.06
68	59	145	0.36	1.85	0.39	0.66	1.58	-0.57	155.33	-74.89	-66.69	147.13	-42.66
		146	0.19	2.17	-1.54	0.38	0.25	1.86	-27.97	-108.32	-97.91	-38.38	26.98
		55	0.25	9.03	0.65	7.80	1.88	2.97	86.86	-13.18	76.43	-2.75	-30.56
		29	0.45	7.15	1.24	7.14	1.25	0.30	265.25	29.40	116.99	177.67	-
113.96													
68	60	145	0.44	-0.62	-3.78	-1.26	-3.14	1.26	1.61	-237.14	0.35	-235.88	17.30
		146	0.56	0.62	-1.52	-0.65	-0.25	-1.05	257.53	-100.27	60.58	96.69	-
177.99													
		55	0.80	0.40	-4.16	-3.29	-0.48	-1.79	-48.94	-459.92	-439.36	-69.50	-89.60
		29	0.89	-1.09	-3.05	-3.03	-1.11	0.18	-246.04	-585.78	-496.18	-335.63	
149.71													
68	61	145	0.43	2.73	0.48	0.90	2.31	-0.87	144.90	-128.03	-110.33	127.20	-67.21
		146	0.28	1.94	-0.95	0.50	0.49	1.44	-51.60	-174.14	-145.53	-80.20	51.83
		55	0.35	6.92	0.45	6.07	1.30	2.18	161.83	45.27	160.00	47.11	14.52
		29	0.57	5.61	0.85	5.60	0.86	0.21	338.50	41.36	191.79	188.07	-
148.55													
68	62	145	0.43	-0.53	-2.90	-1.02	-2.41	0.96	-43.05	-256.05	-43.30	-255.81	-7.25
		146	0.49	1.22	-1.75	-0.52	-9.14e-03	-1.47	188.47	-120.65	12.96	54.86	-
153.14													
		55	0.68	0.22	-6.29	-5.01	-1.06	-2.58	-13.85	-361.59	-355.80	-19.65	-44.52
		29	0.77	-1.50	-4.57	-4.57	-1.50	0.09	-248.56	-498.05	-421.38	-325.22	
115.11													
68	63	145	0.37	2.48	0.49	0.68	2.29	-0.58	155.42	-77.07	-68.54	146.89	-43.71
		146	0.20	2.14	-1.51	0.39	0.24	1.83	-62.07	-118.48	-99.70	-80.85	26.59
		55	0.24	8.94	0.65	7.72	1.87	2.94	86.09	-15.55	74.86	-4.32	-31.86
		29	0.45	7.08	1.24	7.07	1.25	0.30	266.85	28.74	116.01	179.58	-
114.73													
68	64	145	0.43	-0.44	-3.23	-1.24	-2.43	1.26	-0.38	-237.24	-1.50	-236.12	16.25
		146	0.55	0.65	-1.54	-0.64	-0.25	-1.08	234.90	-121.90	58.79	54.21	-
178.38													
		55	0.80	0.40	-4.25	-3.36	-0.49	-1.83	-49.94	-462.07	-440.93	-71.08	-90.90
		29	0.89	-1.09	-3.12	-3.10	-1.11	0.18	-245.56	-585.31	-497.16	-333.72	
148.93													
68	65	145	0.41	2.18	0.30	0.89	1.59	-0.87	144.73	-125.78	-108.49	127.44	-66.16
		146	0.28	1.96	-0.98	0.50	0.49	1.47	-16.32	-165.16	-143.75	-37.73	52.23
		55	0.35	7.00	0.45	6.14	1.31	2.22	163.75	46.51	161.57	48.68	15.81
		29	0.57	5.68	0.85	5.67	0.86	0.21	337.28	41.65	192.76	186.16	-
147.78													
68	66	145	0.44	-0.66	-3.50	-1.03	-3.13	0.97	-41.27	-255.75	-41.45	-255.57	-6.20

		146	0.51	1.19	-1.73	-0.53	-6.85e-03	-1.44	214.26	-102.19	14.74	97.34	-
152.74													
		55	0.68	0.21	-6.20	-4.94	-1.04	-2.55	-12.60	-359.69	-354.22	-18.07	-43.22
		29	0.77	-1.50	-4.50	-4.50	-1.50	0.09	-248.85	-498.69	-420.41	-327.13	
115.88													
68	67	145	0.39	2.85	-0.17	0.75	1.93	1.39	167.10	-91.79	-81.51	156.82	-50.55
		146	0.20	1.46	-0.86	0.39	0.21	-1.16	-58.55	-127.67	-121.80	-64.42	19.27
		55	0.17	2.71	-4.52	-3.87	2.06	-2.07	60.52	1.20	54.09	7.63	-18.44
		29	0.49	1.50	-3.55	-3.53	1.48	0.33	287.64	0.51	100.94	187.21	-
136.93													
68	68	145	0.47	-1.15	-3.70	-1.35	-3.49	-0.69	17.58	-247.98	15.17	-245.57	25.18
		146	0.58	1.54	-2.41	-0.65	-0.21	1.96	274.93	-67.74	84.46	122.73	-
170.27													
		55	0.87	9.42	-1.70	8.38	-0.65	3.25	-51.57	-445.34	-417.02	-79.89	-
101.73													
		29	0.95	7.64	-1.33	7.63	-1.33	0.15	-227.26	-598.05	-480.13	-345.18	
172.68													
68	69	145	0.44	3.19	0.46	0.99	2.66	1.08	156.89	-145.15	-125.16	136.89	-75.10
		146	0.31	2.06	-1.09	0.51	0.45	-1.57	-83.58	-192.09	-169.42	-106.25	44.11
		55	0.33	2.49	-6.60	-5.59	1.48	-2.86	145.70	49.44	137.66	57.49	26.64
		29	0.61	1.09	-5.07	-5.06	1.08	0.23	358.56	14.80	175.74	197.62	-
171.53													
68	70	145	0.46	-0.64	-3.23	-1.11	-2.76	-1.00	-28.47	-265.50	-28.47	-265.50	0.63
		146	0.48	1.32	-1.82	-0.53	0.03	1.55	205.95	-88.20	36.84	80.91	-
145.42													
		55	0.69	7.36	-1.94	6.65	-1.23	2.46	-19.80	-343.69	-333.46	-30.03	-56.65
		29	0.79	6.10	-1.72	6.10	-1.72	0.06	-227.53	-512.57	-405.33	-334.77	
138.08													
68	71	145	0.40	3.38	0.03	0.77	2.64	1.38	167.20	-93.98	-83.36	156.58	-51.60
		146	0.22	1.49	-0.89	0.39	0.21	-1.19	-94.61	-135.87	-123.58	-106.90	18.87
		55	0.17	2.71	-4.60	-3.94	2.04	-2.11	59.77	-1.19	52.52	6.06	-19.74
		29	0.49	1.50	-3.62	-3.60	1.48	0.33	289.29	-0.20	99.96	189.12	-
137.71													
68	72	145	0.46	-1.05	-3.06	-1.33	-2.77	-0.70	15.55	-248.04	13.32	-245.81	24.13
		146	0.57	1.52	-2.38	-0.65	-0.21	1.94	252.13	-89.20	82.68	80.25	-
170.66													
		55	0.87	9.34	-1.70	8.30	-0.67	3.22	-52.47	-447.59	-418.59	-81.46	-
103.03													
		29	0.95	7.57	-1.33	7.56	-1.33	0.16	-226.98	-597.39	-481.11	-343.27	
171.91													
68	73	145	0.44	2.65	0.27	0.98	1.94	1.09	156.71	-142.89	-123.31	137.13	-74.05
		146	0.30	2.02	-1.07	0.51	0.45	-1.55	-47.31	-184.10	-167.63	-63.77	44.51
		55	0.34	2.49	-6.52	-5.52	1.49	-2.83	148.01	50.29	139.23	59.06	27.94
		29	0.61	1.09	-5.00	-4.99	1.08	0.23	357.23	15.19	176.71	195.71	-
170.75													
68	74	145	0.47	-0.76	-3.84	-1.13	-3.48	-0.99	-26.62	-265.27	-26.63	-265.26	1.68
		146	0.50	1.35	-1.86	-0.53	0.03	1.58	232.09	-70.08	38.62	123.38	-
145.02													
		55	0.69	7.44	-1.94	6.72	-1.22	2.50	-18.67	-341.66	-331.88	-28.46	-55.35
		29	0.80	6.17	-1.73	6.17	-1.73	0.06	-227.60	-513.44	-404.36	-336.68	
138.86													
68	75	145	0.05	-0.08	-1.04	-0.27	-0.84	0.39	20.71	-3.04	-2.94	20.61	1.56
		146	0.25	1.00	-1.26	-0.12	-0.15	1.13	101.92	-48.91	3.76	49.25	-71.90
		55	0.48	5.94	0.71	5.15	1.51	1.87	-21.34	-241.15	-190.84	-71.65	-92.34
		29	0.35	4.70	0.68	4.67	0.71	0.34	-22.90	-180.80	-179.21	-24.49	15.74
68	76	145	0.18	-0.33	-2.43	-0.75	-2.01	0.84	16.69	-77.32	13.72	-74.35	16.44
		146	0.39	0.09	-0.73	-0.37	-0.27	0.41	187.22	-61.40	43.07	82.75	-
122.72													
		55	0.61	2.67	0.65	2.40	0.92	0.69	-46.21	-360.73	-318.72	-88.22	-
106.99													
		29	0.56	2.19	0.08	2.15	0.12	0.31	-120.52	-362.46	-331.23	-151.75	81.12
68	77	145	0.27	1.39	0.19	0.40	1.18	-0.45	0.98	-159.02	-123.71	-34.33	-66.35
		146	0.19	0.51	0.23	0.23	0.51	-0.02	-66.07	-128.22	-128.03	-66.26	-3.43
		55	0.14	0.53	-0.24	0.38	-0.10	-0.30	87.13	18.05	39.36	65.82	31.91
		29	0.24	0.43	-0.38	0.42	-0.37	0.08	96.28	-65.25	26.84	4.19	-79.97
68	78	145	0.25	8.41e-03	-0.08	-0.08	8.26e-03	3.71e-03	-65.50	-170.83	-107.05	-129.28	-51.47
		146	0.22	0.95	-0.59	-0.02	0.39	-0.74	0.30	-121.78	-88.72	-32.76	-54.25
		55	0.23	0.18	-3.23	-2.37	-0.68	-1.48	51.38	-90.65	-88.52	49.25	17.26
		29	0.24	-0.96	-2.10	-2.10	-0.96	0.05	-109.50	-138.76	-125.18	-123.07	-14.59
68	79	145	0.06	0.40	-1.41	-0.25	-0.76	0.87	23.01	-6.62	-6.61	23.01	-0.39
		146	0.24	0.25	-0.52	-0.12	-0.16	0.38	97.48	-56.85	-2.16	42.79	-73.82
		55	0.42	2.62	1.19	2.26	1.55	0.62	-23.03	-242.42	-196.38	-69.08	-89.34

		29	0.32	2.11	0.67	2.02	0.76	0.35	-21.50	-183.81	-183.19	-22.12	10.05
68	80	145	0.18	-0.68	-2.19	-0.77	-2.10	0.36	20.86	-80.22	17.39	-76.75	18.39
		146	0.40	0.84	-1.48	-0.37	-0.26	1.16	191.57	-53.37	48.99	89.20	-
120.81													
		55	0.66	6.03	0.14	5.30	0.88	1.94	-45.58	-358.39	-313.18	-90.79	-
110.00													
		29	0.60	4.81	0.05	4.79	0.07	0.31	-118.08	-363.28	-327.25	-154.11	86.81
68	81	145	0.28	1.27	0.42	0.42	1.27	0.03	3.68	-162.98	-127.38	-31.92	-68.31
		146	0.20	1.15	-0.41	0.23	0.50	-0.77	-72.25	-134.41	-133.95	-72.72	-5.35
		55	0.18	0.70	-3.26	-2.51	-0.06	-1.55	90.06	12.15	33.82	68.39	34.91
		29	0.26	-0.31	-2.23	-2.22	-0.32	0.08	100.76	-71.34	22.86	6.56	-85.66
68	82	145	0.26	0.39	-0.57	-0.10	-0.08	-0.48	-66.03	-169.04	-103.38	-131.69	-49.52
		146	0.20	0.40	-0.03	-0.03	0.40	7.75e-03	4.92	-114.02	-82.80	-26.31	-52.34
		55	0.21	0.57	-0.77	0.53	-0.73	-0.23	48.23	-84.53	-82.98	46.68	14.25
		29	0.21	0.55	-1.01	0.55	-1.01	0.04	-114.18	-132.46	-121.20	-125.44	-8.90
68	83	145	0.06	1.23	-0.33	-0.23	1.14	0.37	20.01	-8.10	-8.04	19.94	-1.35
		146	0.27	0.92	-1.18	-0.10	-0.16	1.05	45.68	-114.89	-1.17	-68.03	-72.99
		55	0.49	5.70	0.72	4.95	1.47	1.78	-22.65	-248.50	-195.18	-75.97	-95.91
		29	0.36	4.51	0.68	4.48	0.71	0.35	-18.11	-183.03	-181.90	-19.24	13.59
68	84	145	0.14	0.53	-1.26	-0.71	-0.03	0.83	10.76	-77.15	8.62	-75.02	13.53
		146	0.38	0.01	-0.65	-0.35	-0.28	0.33	130.84	-127.23	38.15	-34.53	-
123.81													
		55	0.61	2.43	0.65	2.20	0.88	0.60	-48.08	-367.51	-323.06	-92.54	-
110.56													
		29	0.56	2.00	0.07	1.95	0.13	0.32	-117.66	-362.75	-333.92	-146.49	78.96
68	85	145	0.26	0.50	-0.95	0.35	-0.80	-0.44	0.22	-152.49	-118.61	-33.66	-63.45
		146	0.26	0.53	0.20	0.21	0.52	0.06	51.05	-123.13	-123.10	51.02	-2.34
		55	0.15	0.64	-0.12	0.58	-0.06	-0.21	94.78	19.06	43.69	70.14	35.48
		29	0.23	0.62	-0.38	0.62	-0.38	0.07	93.53	-65.07	29.52	-1.06	-77.81
68	86	145	0.26	-0.13	-1.97	-0.13	-1.97	0.02	-64.92	-165.65	-101.95	-128.62	-48.57
		146	0.30	0.87	-0.52	-0.04	0.39	-0.66	99.90	-99.17	-83.79	84.52	-53.16
		55	0.23	0.18	-2.99	-2.17	-0.65	-1.39	56.65	-87.26	-84.18	53.57	20.83
		29	0.24	-0.96	-1.91	-1.91	-0.96	0.04	-112.64	-138.18	-122.49	-128.32	-12.43
68	87	145	0.07	1.63	-0.61	-0.21	1.22	0.86	22.66	-12.02	-11.71	22.34	-3.30
		146	0.25	0.17	-0.43	-0.10	-0.16	0.30	41.35	-122.93	-7.09	-74.49	-74.91
		55	0.43	2.38	1.19	2.06	1.51	0.53	-24.43	-249.68	-200.72	-73.40	-92.91
		29	0.32	1.94	0.66	1.83	0.77	0.35	-16.50	-186.25	-185.88	-16.87	7.89
68	88	145	0.15	0.04	-0.88	-0.73	-0.12	0.34	14.89	-80.02	12.29	-77.42	15.49
		146	0.40	0.76	-1.39	-0.36	-0.27	1.08	135.12	-119.13	44.07	-28.08	-
121.90													
		55	0.67	5.79	0.15	5.10	0.84	1.85	-47.37	-365.26	-317.52	-95.11	-
113.57													
		29	0.59	4.62	0.05	4.60	0.07	0.31	-115.45	-363.35	-329.94	-148.86	84.66
68	89	145	0.27	0.37	-0.72	0.37	-0.71	0.05	2.91	-156.45	-122.28	-31.26	-65.40
		146	0.26	1.06	-0.34	0.21	0.51	-0.69	44.66	-129.13	-129.02	44.56	-4.26
		55	0.19	0.69	-3.02	-2.31	-0.02	-1.46	97.62	13.25	38.16	72.71	38.48
		29	0.25	-0.32	-2.03	-2.03	-0.32	0.08	97.81	-70.96	25.55	1.30	-83.51
68	90	145	0.27	-0.04	-2.17	-0.15	-2.06	-0.47	-65.25	-164.06	-98.28	-131.02	-46.61
		146	0.29	0.42	-0.06	-0.04	0.40	0.09	105.31	-92.20	-77.87	90.97	-51.25
		55	0.22	0.74	-0.70	0.72	-0.69	-0.14	53.41	-81.05	-78.65	51.00	17.82
		29	0.22	0.74	-1.02	0.74	-1.02	0.04	-115.52	-133.68	-118.52	-130.69	-6.74
68	91	145	0.30	1.44	0.31	0.52	1.23	-0.44	120.61	-73.09	-64.64	112.16	-39.57
		146	0.15	1.83	-1.31	0.30	0.22	1.57	-28.12	-90.38	-88.23	-30.27	11.35
		55	0.17	7.71	0.61	6.69	1.63	2.49	55.75	-21.04	38.92	-4.21	-31.77
		29	0.35	6.14	1.00	6.13	1.01	0.28	201.42	2.86	70.26	134.02	-94.03
68	92	145	0.37	-0.53	-3.22	-1.07	-2.67	1.08	-8.60	-204.87	-9.12	-204.36	10.02
		146	0.49	0.49	-1.22	-0.55	-0.18	-0.84	221.32	-97.11	42.82	81.40	-
158.04													
		55	0.70	0.41	-3.21	-2.48	-0.32	-1.45	-40.70	-406.08	-387.34	-59.43	-80.59
		29	0.76	-0.91	-2.31	-2.29	-0.94	0.19	-219.45	-507.20	-436.47	-290.18	
123.89													
68	93	145	0.36	2.17	0.39	0.72	1.84	-0.69	112.52	-117.71	-100.87	95.68	-59.94
		146	0.22	1.64	-0.81	0.41	0.42	1.23	-51.57	-141.12	-127.77	-64.92	31.89
		55	0.25	5.96	0.44	5.26	1.15	1.84	108.40	36.61	107.98	37.04	5.51
		29	0.45	4.87	0.68	4.86	0.69	0.20	260.20	14.50	132.08	142.62	-
122.74													
68	94	145	0.37	-0.45	-2.49	-0.87	-2.06	0.83	-44.74	-221.45	-45.35	-220.84	-10.35
		146	0.44	0.99	-1.42	-0.44	0.01	-1.18	164.22	-114.20	3.28	46.75	-
137.50													
		55	0.60	0.26	-4.97	-3.91	-0.80	-2.10	-12.06	-324.41	-318.28	-18.19	-43.32
		29	0.67	-1.26	-3.56	-3.56	-1.26	0.11	-222.17	-434.06	-374.66	-281.57	95.18
68	95	145	0.31	1.96	0.39	0.53	1.83	-0.44	120.71	-74.92	-66.17	111.97	-40.44

		146	0.15	1.81	-1.28	0.31	0.22	1.55	-61.19	-93.97	-89.71	-65.45	11.02
		55	0.17	7.64	0.61	6.63	1.62	2.46	55.34	-23.23	37.62	-5.50	-32.84
		29	0.35	6.09	1.00	6.07	1.02	0.29	202.81	2.24	69.46	135.59	-94.67
68	96	145	0.36	-0.38	-2.76	-1.06	-2.08	1.08	-10.21	-204.99	-10.65	-204.56	9.15
		146	0.49	0.51	-1.24	-0.54	-0.19	-0.86	202.17	-114.61	41.34	46.22	-
158.37													
		55	0.70	0.41	-3.28	-2.54	-0.33	-1.48	-41.52	-407.85	-388.64	-60.73	-81.67
		29	0.77	-0.91	-2.37	-2.34	-0.94	0.19	-219.01	-506.87	-437.28	-288.60	
123.24													
68	97	145	0.35	1.71	0.24	0.70	1.24	-0.69	112.36	-115.82	-99.34	95.88	-59.07
		146	0.23	1.66	-0.84	0.40	0.42	1.25	-19.97	-136.06	-126.29	-29.73	32.22
		55	0.25	6.04	0.44	5.32	1.16	1.87	109.88	37.73	109.28	38.33	6.58
		29	0.45	4.92	0.68	4.91	0.69	0.20	259.12	14.80	132.88	141.04	-
122.09													
68	98	145	0.38	-0.56	-2.99	-0.89	-2.66	0.83	-43.31	-221.15	-43.82	-220.64	-9.48
		146	0.45	0.96	-1.40	-0.45	0.01	-1.16	185.84	-99.15	4.76	81.93	-
137.17													
		55	0.60	0.25	-4.90	-3.85	-0.79	-2.07	-11.06	-322.81	-316.98	-16.90	-42.25
		29	0.67	-1.26	-3.51	-3.50	-1.26	0.10	-222.49	-434.51	-373.85	-283.15	95.82
68	99	145	0.32	2.32	-0.21	0.59	1.52	1.18	130.41	-87.12	-76.88	120.17	-46.08
		146	0.17	1.18	-0.68	0.31	0.20	-0.92	-51.35	-108.40	-107.97	-51.78	4.97
		55	0.12	2.31	-3.49	-2.95	1.77	-1.68	35.60	-10.78	20.46	4.37	-21.75
		29	0.40	1.22	-2.72	-2.69	1.20	0.31	220.18	-21.27	57.00	141.91	-
113.01													
68	100	145	0.40	-1.00	-3.11	-1.15	-2.96	-0.54	4.38	-213.63	3.12	-212.37	16.54
		146	0.51	1.32	-2.03	-0.55	-0.16	1.66	235.74	-70.27	62.55	102.92	-
151.66													
		55	0.77	8.04	-1.34	7.17	-0.47	2.72	-42.83	-394.06	-368.88	-68.01	-90.61
		29	0.82	6.54	-1.13	6.54	-1.12	0.16	-204.66	-516.61	-423.21	-298.07	
142.88													
68	101	145	0.37	2.60	0.31	0.79	2.13	0.93	122.44	-131.86	-113.11	103.69	-66.45
		146	0.25	1.67	-0.87	0.41	0.39	-1.27	-77.18	-156.76	-147.50	-86.44	25.51
		55	0.23	2.13	-5.22	-4.39	1.29	-2.33	94.45	40.68	89.52	45.61	15.52
		29	0.49	0.88	-3.98	-3.97	0.87	0.23	277.27	-7.95	118.81	150.51	-
141.73													
68	102	145	0.39	-0.59	-2.71	-0.95	-2.35	-0.79	-33.03	-228.92	-33.11	-228.85	-3.84
		146	0.43	1.13	-1.54	-0.45	0.04	1.31	178.70	-87.42	23.01	68.27	-
131.12													
		55	0.62	6.33	-1.54	5.74	-0.95	2.07	-16.72	-309.87	-299.82	-26.77	-53.34
		29	0.69	5.26	-1.45	5.26	-1.45	0.08	-205.73	-445.12	-361.39	-289.46	
114.16													
68	103	145	0.33	2.76	-0.04	0.60	2.11	1.18	130.52	-88.96	-78.41	119.97	-46.95
		146	0.18	1.20	-0.70	0.31	0.19	-0.95	-86.05	-110.37	-109.45	-86.97	4.64
		55	0.12	2.31	-3.56	-3.01	1.76	-1.71	35.31	-13.08	19.16	3.07	-22.82
		29	0.40	1.22	-2.78	-2.75	1.20	0.31	221.59	-21.92	56.19	143.48	-
113.66													
68	104	145	0.39	-0.93	-2.57	-1.13	-2.36	-0.54	2.73	-213.71	1.59	-212.57	15.67
		146	0.50	1.29	-2.00	-0.55	-0.16	1.63	216.43	-87.62	61.07	67.74	-
151.99													
		55	0.77	7.97	-1.34	7.11	-0.48	2.69	-43.57	-395.91	-370.18	-69.30	-91.68
		29	0.82	6.48	-1.12	6.48	-1.12	0.16	-204.38	-516.12	-424.01	-296.49	
142.23													
68	105	145	0.37	2.16	0.15	0.78	1.53	0.93	122.28	-129.97	-111.58	103.89	-65.58
		146	0.25	1.65	-0.84	0.41	0.39	-1.24	-44.67	-152.61	-146.03	-51.25	25.84
		55	0.23	2.13	-5.15	-4.33	1.30	-2.30	96.38	41.34	90.82	46.91	16.60
		29	0.48	0.88	-3.92	-3.91	0.87	0.23	276.11	-7.56	119.62	148.93	-
141.08													
68	106	145	0.40	-0.69	-3.22	-0.96	-2.95	-0.79	-31.53	-228.69	-31.58	-228.65	-2.96
		146	0.44	1.16	-1.57	-0.45	0.04	1.34	200.59	-72.65	24.49	103.45	-
130.80													
		55	0.62	6.40	-1.54	5.80	-0.94	2.10	-15.81	-308.18	-298.52	-25.47	-52.26
		29	0.69	5.32	-1.45	5.32	-1.45	0.08	-205.85	-445.77	-360.59	-291.04	
114.81													
69	1	147	0.15	0.03	-0.02	0.02	1.58e-03	0.02	49.65	-53.41	-15.68	11.92	49.65
		145	0.03	0.05	6.23e-03	0.02	0.04	0.02	-13.43	-23.42	-21.20	-15.65	4.16
		29	0.21	2.00e-03	-0.17	-0.17	-9.73e-04	0.02	-38.35	-137.72	-137.21	-38.86	-7.10
		79	0.24	-0.03	-0.18	-0.18	-0.04	0.02	-0.08	-142.90	-131.70	-11.28	38.40
69	2	147	0.49	0.45	-0.24	-0.04	0.25	-0.31	171.61	-160.18	-22.40	33.84	
163.50													
		145	0.17	-0.20	-1.18	-0.31	-1.07	-0.31	-49.99	-111.00	-51.14	-109.85	8.29
		29	0.69	2.15	-0.62	2.11	-0.58	-0.31	-179.53	-456.39	-446.92	-189.01	-50.34
		79	0.76	2.43	0.68	2.38	0.74	-0.31	-17.85	-445.65	-418.18	-45.32	

104.87													
69	3	147	0.11	0.03	-0.02	0.01	-3.53e-03	0.02	35.91	-39.09	-11.94	8.76	36.05
		145	0.02	0.06	9.56e-03	0.02	0.05	0.02	-8.85	-17.15	-15.74	-10.26	3.12
		29	0.15	0.01	-0.18	-0.18	0.01	0.02	-26.76	-100.00	-99.70	-27.06	-4.64
		79	0.18	-0.04	-0.19	-0.19	-0.04	0.02	0.28	-104.22	-95.90	-8.03	28.28
69	4	147	0.45	0.45	-0.24	-0.05	0.25	-0.31	157.91	-145.89	-18.65	30.67	
149.89													
		145	0.17	-0.19	-1.17	-0.31	-1.05	-0.31	-44.80	-105.34	-45.68	-104.46	7.25
		29	0.64	2.14	-0.61	2.11	-0.57	-0.31	-167.72	-418.90	-409.41	-177.21	-47.88
		79	0.70	2.43	0.67	2.37	0.73	-0.31	-17.47	-406.99	-382.38	-42.07	94.75
69	5	147	0.11	0.03	-0.02	0.01	-8.48e-04	0.02	37.20	-40.22	-12.01	8.99	37.26
		145	0.03	0.05	6.96e-03	0.02	0.04	0.02	-9.70	-17.63	-16.06	-11.27	3.16
		29	0.16	6.62e-03	-0.15	-0.15	4.02e-03	0.02	-28.31	-103.36	-103.01	-28.66	-5.10
		79	0.18	-0.03	-0.16	-0.16	-0.04	0.02	0.09	-107.44	-98.96	-8.40	28.99
69	6	147	0.34	0.29	-0.16	-0.03	0.17	-0.20	118.47	-111.36	-16.49	23.60	
113.16													
		145	0.12	-0.13	-0.77	-0.20	-0.70	-0.20	-35.12	-74.97	-36.02	-74.07	5.92
		29	0.48	1.39	-0.41	1.37	-0.38	-0.20	-122.60	-315.64	-309.48	-128.76	-33.93
		79	0.53	1.58	0.44	1.54	0.48	-0.20	-11.77	-309.26	-289.94	-31.09	73.31
69	7	147	0.11	0.03	-0.02	0.01	-8.48e-04	0.02	37.20	-40.22	-12.01	8.99	37.26
		145	0.03	0.05	6.96e-03	0.02	0.04	0.02	-9.70	-17.63	-16.06	-11.27	3.16
		29	0.16	6.62e-03	-0.15	-0.15	4.02e-03	0.02	-28.31	-103.36	-103.01	-28.66	-5.10
		79	0.18	-0.03	-0.16	-0.16	-0.04	0.02	0.09	-107.44	-98.96	-8.40	28.99
69	8	147	0.27	0.20	-0.10	-0.02	0.12	-0.14	94.04	-89.97	-15.14	19.22	90.39
		145	0.09	-0.09	-0.52	-0.13	-0.48	-0.14	-29.04	-56.22	-30.03	-55.23	5.09
		29	0.38	0.93	-0.28	0.91	-0.27	-0.14	-94.55	-251.71	-247.54	-98.73	-25.28
		79	0.42	1.06	0.30	1.03	0.33	-0.14	-8.23	-248.70	-232.65	-24.28	60.01
69	9	147	0.11	0.03	-0.02	0.01	-8.48e-04	0.02	37.20	-40.22	-12.01	8.99	37.26
		145	0.03	0.05	6.96e-03	0.02	0.04	0.02	-9.70	-17.63	-16.06	-11.27	3.16
		29	0.16	6.62e-03	-0.15	-0.15	4.02e-03	0.02	-28.31	-103.36	-103.01	-28.66	-5.10
		79	0.18	-0.03	-0.16	-0.16	-0.04	0.02	0.09	-107.44	-98.96	-8.40	28.99
69	10	147	0.25	0.17	-0.08	-0.01	0.10	-0.11	85.90	-82.84	-14.70	17.76	82.80
		145	0.08	-0.07	-0.44	-0.11	-0.40	-0.11	-26.98	-50.00	-28.04	-48.95	4.82
		29	0.35	0.78	-0.24	0.76	-0.23	-0.11	-85.18	-230.43	-226.89	-88.72	-22.40
		79	0.39	0.88	0.25	0.86	0.27	-0.11	-7.05	-228.51	-213.55	-22.01	55.58
69	11	147	0.15	1.59	-0.48	0.47	0.64	1.03	-4.60	-79.27	-64.73	-19.14	-29.57
		145	0.13	2.66	0.31	0.89	2.08	1.02	9.52	-59.75	-53.41	3.18	19.98
		29	0.25	-0.17	-2.86	-2.86	-0.17	-0.02	141.70	32.86	118.69	55.87	44.44
		79	0.20	-0.15	-3.73	-2.98	-0.91	1.46	101.88	37.08	62.44	76.53	-31.63
69	12	147	0.18	2.20	-1.46	0.26	0.48	1.83	-51.87	-109.37	-108.62	-52.62	-6.50
		145	0.31	0.67	-0.04	0.32	0.31	0.36	-68.94	-211.57	-121.76	-158.76	68.87
		29	0.29	-1.22	-6.01	-6.00	-1.22	-0.12	59.27	-94.14	53.41	-88.28	29.41
		79	0.44	-0.30	-7.95	-6.49	-1.76	3.00	188.63	6.96	142.33	53.26	-79.17
69	13	147	0.57	1.77	-2.34	-0.29	-0.28	-2.05	255.83	-88.46	79.23	88.13	
172.09													
		145	0.21	-0.18	-1.48	-0.54	-1.12	-0.58	122.56	3.98	65.68	60.87	-59.24
		29	0.93	7.53	0.76	7.53	0.76	-0.10	-76.38	-519.97	-507.18	-89.16	-74.21
		79	1.19	9.64	0.89	8.21	2.31	-3.23	-30.11	-636.60	-569.43	-97.28	
190.33													
69	14	147	0.61	0.79	-1.72	-0.50	-0.44	-1.26	240.40	-150.40	35.34	54.65	
195.16													
		145	0.22	-0.47	-3.53	-1.12	-2.88	-1.25	-1.59	-102.15	-2.67	-101.07	-10.35
		29	0.93	4.40	-0.30	4.39	-0.29	-0.20	-211.26	-594.52	-572.47	-233.30	-89.24
		79	0.93	5.42	0.74	4.71	1.46	-1.69	-71.75	-538.34	-489.54	-120.55	
142.79													
69	15	147	0.15	1.49	-0.34	0.50	0.65	0.91	-8.62	-81.04	-66.95	-22.71	-28.67
		145	0.13	2.28	0.89	0.95	2.21	0.29	13.02	-59.40	-54.28	7.90	18.56
		29	0.17	-0.13	-2.47	-2.47	-0.13	-0.02	94.27	-0.04	37.94	56.29	46.25
		79	0.20	1.63	-4.98	-2.56	-0.79	3.19	86.40	31.88	42.08	76.19	-21.27
69	16	147	0.18	2.30	-1.59	0.24	0.47	1.94	-48.11	-107.34	-106.40	-49.04	-7.40
		145	0.34	1.30	-0.86	0.26	0.17	1.08	-68.73	-215.63	-120.88	-163.48	70.29
		29	0.42	-1.26	-6.39	-6.39	-1.26	-0.13	137.52	-92.06	134.16	-88.70	27.59
		79	0.45	-1.57	-7.21	-6.91	-1.88	1.28	212.98	3.30	162.70	53.59	-89.53
69	17	147	0.58	1.90	-2.43	-0.26	-0.27	-2.17	253.82	-92.24	77.01	84.56	
172.99													
		145	0.23	0.60	-2.06	-0.48	-0.98	-1.31	125.86	4.53	64.81	65.59	-60.66
		29	1.06	7.92	0.80	7.91	0.81	-0.10	-78.45	-598.22	-587.94	-88.74	-72.39
		79	1.21	8.98	2.08	8.63	2.42	-1.51	-26.15	-661.25	-589.79	-97.61	
200.69													
69	18	147	0.60	0.66	-1.63	-0.52	-0.45	-1.14	242.43	-146.64	37.56	58.23	
194.26													
		145	0.22	-1.04	-3.16	-1.18	-3.02	-0.52	-1.03	-106.55	-1.79	-105.79	-8.93

		29	0.81	4.01	-0.34	4.00	-0.33	-0.21	-204.82	-520.61	-491.72	-233.72-91.05
		79	0.90	6.53	-0.90	4.28	1.34	-3.41	-75.65	-513.74	-469.18	-120.22
132.43												
69	19	147	0.14	1.62	-0.51	0.49	0.62	1.07	-15.10	-76.03	-67.19	-23.94-21.45
		145	0.18	2.27	0.68	0.91	2.04	-0.56	61.61	-56.61	-53.95	58.94 17.54
		29	0.22	-0.10	-2.88	-2.88	-0.10	-0.02	122.37	21.05	92.94	50.48 46.00
		79	0.17	-0.13	-3.75	-2.99	-0.90	1.48	88.07	24.33	37.24	75.16-25.62
69	20	147	0.17	2.24	-1.49	0.28	0.46	1.86	-57.37	-111.13	-111.08	-57.42 1.62
		145	0.30	1.53	-0.92	0.34	0.27	-1.22	-45.52	-179.77	-122.30	-102.99 66.43
		29	0.26	-1.15	-6.02	-6.02	-1.16	-0.12	35.10	-101.11	27.65	-93.67 30.97
		79	0.40	-0.28	-7.97	-6.50	-1.76	3.02	164.62	4.41	117.13	51.89-73.16
69	21	147	0.55	1.81	-2.38	-0.31	-0.26	-2.09	251.39	-76.76	81.69	92.94
163.98												
		145	0.22	0.20	-1.85	-0.57	-1.07	0.99	100.16	-28.84	66.23	5.10-56.80
		29	0.89	7.55	0.70	7.55	0.70	-0.11	-69.82	-495.38	-481.43	-83.77-75.77
		79	1.15	9.66	0.87	8.22	2.31	-3.25	-29.87	-610.28	-544.23	-95.92
184.32												
69	22	147	0.58	0.83	-1.76	-0.52	-0.42	-1.29	235.99	-138.74	37.80	59.45
187.05												
		145	0.30	-1.08	-2.90	-1.14	-2.84	0.33	-1.72	-157.24	-2.12	-156.84 -7.91
		29	0.90	4.42	-0.36	4.41	-0.35	-0.21	-203.87	-570.76	-546.72	-227.91-90.80
		79	0.89	5.44	0.72	4.71	1.45	-1.71	-71.56	-511.97	-464.34	-119.19
136.78												
69	23	147	0.14	1.53	-0.38	0.52	0.63	0.95	-19.11	-77.81	-69.41	-27.51-20.55
		145	0.19	2.99	0.16	0.97	2.17	-1.28	65.82	-56.98	-54.83	63.67 16.12
		29	0.17	-0.06	-2.49	-2.49	-0.06	-0.01	83.12	-20.04	12.18	50.90 47.81
		79	0.18	1.65	-5.00	-2.57	-0.79	3.21	78.60	13.11	16.88	74.83-15.26
69	24	147	0.17	2.33	-1.63	0.26	0.45	1.98	-53.84	-108.87	-108.86	-53.84 0.72
		145	0.29	0.71	-0.30	0.28	0.13	-0.50	-46.37	-182.77	-121.42	-107.71 67.85
		29	0.39	-1.20	-6.41	-6.41	-1.20	-0.12	112.52	-98.20	108.40	-94.09 29.15
		79	0.41	-1.56	-7.23	-6.92	-1.87	1.30	188.63	1.09	137.50	52.22-83.52
69	25	147	0.56	1.94	-2.47	-0.28	-0.25	-2.20	249.37	-80.53	79.47	89.36
164.88												
		145	0.20	-0.38	-1.07	-0.51	-0.94	0.27	102.09	-26.92	65.35	9.82-58.22
		29	1.02	7.94	0.74	7.93	0.74	-0.11	-72.19	-573.34	-562.18	-83.35-73.95
		79	1.17	9.00	2.06	8.64	2.42	-1.52	-25.89	-634.95	-564.59	-96.25
194.68												
69	26	147	0.58	0.69	-1.67	-0.54	-0.43	-1.18	238.03	-134.98	40.02	63.03
186.15												
		145	0.31	-0.71	-3.47	-1.20	-2.98	1.05	-0.99	-161.82	-1.25	-161.56 -6.49
		29	0.78	4.03	-0.41	4.02	-0.40	-0.21	-196.50	-497.79	-465.96	-228.33-92.61
		79	0.86	6.55	-0.92	4.29	1.34	-3.43	-75.49	-487.35	-443.98	-118.86
126.42												
69	27	147	0.10	1.46	-0.51	0.45	0.50	-0.98	64.63	29.71	36.87	57.47 14.10
		145	0.39	3.61	0.46	1.06	3.02	1.23	237.11	43.19	68.01	212.29-64.78
		29	0.34	4.44	1.39	4.44	1.39	0.06	175.37	-26.29	-24.20	173.28 20.45
		79	0.64	5.88	0.37	5.03	1.22	-1.99	74.43	-283.51	-251.92	42.84
101.52												
69	28	147	0.35	1.54	-1.82	-0.25	-0.03	1.68	13.32	-176.90	-109.45	-54.14 91.00
		145	0.57	-0.45	-3.27	-0.85	-2.87	-0.98	-114.54	-372.76	-159.81	-327.49 98.18
		29	0.54	-2.11	-6.05	-6.03	-2.12	-0.27	-230.37	-318.65	-241.82	-307.21-29.66
		79	0.30	-0.11	-8.19	-6.66	-1.64	3.17	51.85	-72.19	14.39	-34.73-56.95
69	29	147	0.30	2.13	-1.68	0.22	0.23	-1.91	159.60	10.10	80.06	89.65 74.60
		145	0.43	2.39	0.31	0.63	2.07	0.75	275.30	58.03	103.74	229.60-88.55
		29	0.60	7.56	1.67	7.56	1.67	0.04	130.44	-212.63	-211.96	129.77-15.14
		79	1.03	9.88	0.69	8.39	2.19	-3.39	48.39	-499.17	-441.48	-9.30
168.11												
69	30	147	0.47	0.37	-1.15	-0.48	-0.30	0.75	109.00	-197.21	-66.26	-21.95
151.50												
		145	0.54	-0.62	-4.49	-1.28	-3.83	-1.46	-97.99	-336.28	-124.09	-310.18 74.42
		29	0.73	-1.77	-2.99	-2.91	-1.85	-0.29	-313.90	-466.39	-429.58	-350.71-65.25
		79	0.31	0.21	-4.18	-3.30	-0.67	1.76	-85.83	-176.21	-175.17	-86.87 9.64
69	31	147	0.11	1.45	-0.49	0.46	0.50	-0.97	65.38	26.78	36.13	56.03 16.53
		145	0.42	3.27	0.80	1.06	3.01	0.76	252.29	44.58	67.85	229.02-65.52
		29	0.35	4.43	1.41	4.43	1.41	0.07	173.79	-34.05	-31.92	171.66 20.92
		79	0.65	5.87	0.38	5.03	1.22	-1.98	74.41	-291.46	-259.48	42.43
103.33												
69	32	147	0.36	1.56	-1.83	-0.24	-0.03	1.69	14.46	-180.22	-110.18	-55.58 93.43
		145	0.55	-0.09	-3.64	-0.84	-2.88	-1.45	-112.16	-358.58	-159.98	-310.76 97.45
		29	0.54	-2.09	-6.05	-6.04	-2.11	-0.27	-237.58	-320.78	-249.54	-308.82-29.19
		79	0.29	-0.10	-8.20	-6.67	-1.63	3.17	44.85	-73.16	6.83	-35.13-55.15
69	33	147	0.30	2.14	-1.69	0.22	0.23	-1.92	158.29	13.60	80.79	91.09 72.16

		145	0.40	2.77	-0.08	0.62	2.08	1.22	261.73	55.04	103.90	212.87-87.82
		29	0.59	7.56	1.65	7.56	1.65	0.04	132.11	-204.96	-204.24	131.39-15.61
		79	1.02	9.89	0.68	8.39	2.18	-3.40	48.45	-491.26	-433.92	-8.89
166.31												
69	34	147	0.46	0.36	-1.14	-0.48	-0.30	0.74	107.73	-193.77	-65.52	-20.51
149.06												
		145	0.56	-0.95	-4.16	-1.29	-3.82	-0.99	-99.13	-351.71	-123.92	-326.91 75.15
		29	0.72	-1.79	-2.98	-2.91	-1.86	-0.29	-310.36	-460.59	-421.85	-349.10-65.72
		79	0.30	0.20	-4.18	-3.30	-0.67	1.75	-85.71	-168.36	-167.61	-86.46 7.84
69	35	147	0.11	1.90	-0.82	0.54	0.54	-1.36	56.40	18.62	29.47	45.55 17.09
		145	0.45	3.99	0.74	1.26	3.47	-1.18	253.66	39.47	65.10	228.03-69.52
		29	0.76	5.73	1.53	5.73	1.53	0.08	176.17	-294.87	-293.37	174.68 26.50
		79	0.72	8.49	-0.47	6.43	1.59	3.77	87.22	-365.28	-319.80	41.74
136.06												
69	36	147	0.35	1.86	-2.26	-0.34	-0.07	2.06	20.81	-165.08	-102.05	-42.22 88.00
		145	0.64	-0.35	-4.02	-1.05	-3.32	1.44	-111.24	-388.89	-156.90	-343.24
102.92												
		29	0.59	-2.25	-7.34	-7.32	-2.26	-0.28	31.11	-312.36	27.36	-308.60-35.70
		79	0.35	-1.05	-9.02	-8.07	-2.01	-2.59	132.61	-83.97	82.26	-33.62-91.48
69	37	147	0.31	2.58	-1.99	0.31	0.27	-2.28	152.83	-2.44	72.66	77.73 77.59
		145	0.51	3.54	-0.20	0.83	2.51	-1.67	291.08	55.09	100.83	245.34-93.29
		29	1.06	8.85	1.81	8.85	1.81	0.05	131.30	-481.27	-481.14	131.17 -9.10
		79	1.11	10.50	1.86	9.79	2.56	2.36	61.53	-581.29	-509.36	-10.40
202.65												
69	38	147	0.47	0.68	-1.59	-0.56	-0.34	1.13	116.04	-184.94	-58.86	-10.04
148.50												
		145	0.60	-1.19	-4.58	-1.48	-4.28	0.96	-94.14	-352.96	-121.17	-325.93 79.15
		29	0.58	-1.94	-4.25	-4.21	-1.98	-0.31	-136.80	-375.72	-160.40	-352.11-71.30
		79	0.29	1.52	-7.27	-4.71	-1.05	-4.00	-69.41	-123.66	-107.30	-85.76-24.90
69	39	147	0.11	1.89	-0.81	0.55	0.54	-1.35	57.41	15.43	28.73	44.11 19.53
		145	0.49	4.35	0.37	1.26	3.46	-1.66	268.96	40.75	64.94	244.77-70.25
		29	0.77	5.73	1.54	5.72	1.55	0.08	174.59	-302.63	-301.10	173.06 26.96
		79	0.73	8.50	-0.47	6.43	1.60	3.78	87.18	-373.20	-327.36	41.33
137.86												
69	40	147	0.36	1.87	-2.27	-0.33	-0.07	2.07	21.92	-168.37	-102.78	-43.66 90.44
		145	0.61	-0.69	-3.69	-1.04	-3.33	0.96	-109.04	-374.52	-157.06	-326.51
102.19												
		29	0.58	-2.23	-7.34	-7.33	-2.25	-0.28	23.35	-313.94	19.63	-310.22-35.24
		79	0.34	-1.06	-9.02	-8.07	-2.01	-2.59	125.21	-84.54	74.70	-34.03-89.68
69	41	147	0.31	2.59	-2.01	0.31	0.27	-2.30	151.50	1.07	73.39	79.18 75.16
		145	0.48	3.14	0.21	0.82	2.53	-1.19	277.22	52.38	100.99	228.61-92.55
		29	1.05	8.85	1.79	8.85	1.79	0.05	132.94	-473.56	-473.41	132.78 -9.56
		79	1.10	10.49	1.86	9.79	2.56	2.36	61.60	-573.39	-501.80	-10.00
200.84												
69	42	147	0.46	0.67	-1.58	-0.57	-0.34	1.12	114.79	-181.51	-58.12	-8.60
146.07												
		145	0.63	-0.88	-4.87	-1.49	-4.27	1.43	-95.22	-368.45	-121.01	-342.66 79.88
		29	0.58	-1.96	-4.24	-4.20	-2.00	-0.31	-129.39	-373.79	-152.68	-350.49-71.77
		79	0.29	1.53	-7.28	-4.71	-1.05	-4.00	-64.90	-120.20	-99.74	-85.35-26.70
69	43	147	0.09	1.24	-0.35	0.37	0.52	0.79	-10.89	-54.91	-54.32	-11.49 -5.08
		145	0.10	2.00	0.23	0.68	1.55	0.78	-1.60	-54.01	-48.07	-7.54 16.62
		29	0.13	-0.18	-2.11	-2.11	-0.18	-0.04	66.06	2.62	43.33	25.35 30.42
		79	0.11	-0.06	-2.78	-2.18	-0.66	1.13	57.88	-0.48	2.34	55.06-12.51
69	44	147	0.15	1.72	-1.12	0.21	0.40	1.42	-34.81	-92.17	-89.09	-37.88 12.92
		145	0.26	0.45	-0.07	0.23	0.16	0.26	-61.20	-176.91	-102.24	-135.87 55.36
		29	0.18	-1.00	-4.57	-4.56	-1.01	-0.12	-3.38	-92.94	-7.46	-88.86 18.67
		79	0.27	-0.17	-6.07	-4.92	-1.33	2.34	102.79	-0.91	64.83	37.05-49.96
69	45	147	0.50	1.43	-1.86	-0.23	-0.20	-1.64	219.38	-86.28	59.70	73.40
152.67												
		145	0.16	-0.16	-1.26	-0.45	-0.96	-0.48	87.99	-3.84	46.17	37.98-45.73
		29	0.80	6.09	0.55	6.09	0.55	-0.11	-77.65	-457.25	-446.32	-88.57-63.47
		79	1.01	7.77	0.76	6.65	1.88	-2.57	-25.42	-547.58	-491.93	-81.07
161.12												
69	46	147	0.53	0.66	-1.38	-0.40	-0.32	-1.02	206.99	-135.06	24.93	47.00
170.67												
		145	0.18	-0.39	-2.87	-0.90	-2.35	-1.00	-7.41	-90.94	-8.00	-90.35 -6.99
		29	0.81	3.64	-0.29	3.63	-0.28	-0.18	-184.68	-515.22	-497.11	-202.79-75.22
		79	0.81	4.47	0.64	3.90	1.21	-1.36	-57.92	-470.61	-429.43	-99.09
123.68												
69	47	147	0.09	1.17	-0.24	0.39	0.53	0.70	-13.89	-56.52	-56.08	-14.33 -4.32
		145	0.10	1.70	0.68	0.73	1.66	0.21	1.03	-53.58	-48.76	-3.79 15.49
		29	0.13	-0.14	-1.80	-1.79	-0.14	-0.04	42.11	-36.22	-19.80	25.69 31.88

		79	0.13	1.36	-3.77	-1.84	-0.57	2.49	55.04	-14.15	-13.89	54.78	-4.28
69	48	147	0.15	1.80	-1.22	0.18	0.39	1.51	-32.35	-90.03	-87.34	-35.04	12.16
		145	0.28	0.94	-0.71	0.18	0.05	0.83	-60.98	-180.19	-101.55	-139.62	56.49
		29	0.27	-1.04	-4.88	-4.87	-1.04	-0.13	57.69	-91.21	55.68	-89.20	17.20
		79	0.28	-1.18	-5.50	-5.26	-1.42	0.99	121.36	-2.97	81.06	37.33	-58.19
69	49	147	0.51	1.54	-1.93	-0.21	-0.19	-1.73	217.81	-89.31	57.94	70.55	
153.43													
		145	0.18	0.45	-1.71	-0.41	-0.86	-1.05	90.49	-3.29	45.48	41.72	-46.86
		29	0.91	6.40	0.58	6.40	0.58	-0.10	-79.30	-518.39	-509.46	-88.24	-62.00
		79	1.03	7.26	1.69	6.99	1.97	-1.21	-22.32	-567.19	-508.15	-81.36	
169.36													
69	50	147	0.52	0.55	-1.30	-0.42	-0.33	-0.93	208.57	-132.04	26.69	49.85	
169.91													
		145	0.19	-0.84	-2.58	-0.95	-2.46	-0.43	-6.92	-94.50	-7.31	-94.10	-5.86
		29	0.71	3.33	-0.32	3.32	-0.31	-0.19	-179.97	-457.13	-433.97	-203.12	-76.68
		79	0.79	5.32	-0.64	3.57	1.12	-2.72	-60.97	-451.04	-413.21	-98.80	
115.44													
69	51	147	0.09	1.27	-0.38	0.39	0.51	0.82	-15.21	-56.34	-56.26	-15.29	1.71
		145	0.14	1.72	0.49	0.70	1.51	-0.46	38.88	-50.93	-48.49	36.43	14.61
		29	0.11	-0.13	-2.12	-2.12	-0.13	-0.04	53.02	-10.28	21.82	20.92	31.65
		79	0.13	-0.04	-2.80	-2.19	-0.65	1.15	54.52	-19.50	-18.75	53.77	-7.40
69	52	147	0.16	1.75	-1.14	0.22	0.39	1.45	-34.78	-97.94	-91.04	-41.68	19.71
		145	0.25	1.17	-0.80	0.25	0.12	-0.98	-43.65	-150.90	-102.66	-91.90	53.36
		29	0.17	-0.95	-4.58	-4.58	-0.96	-0.12	-23.32	-98.95	-28.97	-93.30	19.89
		79	0.24	-0.16	-6.09	-4.93	-1.32	2.36	84.78	-5.27	43.75	35.76	-44.85
69	53	147	0.48	1.46	-1.89	-0.24	-0.19	-1.67	215.52	-76.67	61.65	77.20	
145.89													
		145	0.17	0.09	-1.49	-0.47	-0.93	0.76	71.31	-30.73	46.58	-6.00	-43.73
		29	0.77	6.10	0.50	6.10	0.50	-0.11	-72.27	-436.68	-424.81	-84.14	-64.69
		79	0.98	7.78	0.74	6.65	1.87	-2.58	-25.17	-525.46	-470.84	-79.78	
156.01													
69	54	147	0.51	0.69	-1.41	-0.41	-0.31	-1.05	203.16	-125.48	26.87	50.80	
163.89													
		145	0.25	-0.88	-2.36	-0.92	-2.32	0.24	-7.39	-134.52	-7.59	-134.33	-4.98
		29	0.78	3.66	-0.34	3.65	-0.33	-0.19	-178.67	-495.28	-475.60	-198.35	-76.45
		79	0.77	4.49	0.63	3.91	1.20	-1.37	-57.71	-448.44	-408.35	-97.80	
118.56													
69	55	147	0.09	1.19	-0.27	0.41	0.52	0.73	-17.98	-58.17	-58.02	-18.13	2.47
		145	0.14	2.31	0.06	0.75	1.62	-1.03	42.17	-51.17	-49.18	40.18	13.49
		29	0.15	-0.09	-1.81	-1.81	-0.09	-0.04	35.52	-55.58	-41.32	21.25	33.11
		79	0.16	1.38	-3.79	-1.85	-0.56	2.50	53.50	-34.98	-34.97	53.49	0.84
69	56	147	0.16	1.83	-1.25	0.20	0.38	1.54	-32.51	-95.61	-89.28	-38.84	18.95
		145	0.24	0.53	-0.32	0.20	0.02	-0.41	-44.23	-153.38	-101.97	-95.64	54.48
		29	0.25	-0.99	-4.89	-4.89	-0.99	-0.12	36.77	-96.24	34.17	-93.63	18.43
		79	0.24	-1.17	-5.51	-5.27	-1.41	1.00	102.42	-6.41	59.97	36.04	-53.08
69	57	147	0.49	1.56	-1.96	-0.22	-0.18	-1.76	213.95	-79.70	59.89	74.35	
146.65													
		145	0.16	-0.35	-0.90	-0.42	-0.82	0.19	72.72	-29.08	45.89	-2.25	-44.85
		29	0.87	6.42	0.53	6.41	0.53	-0.11	-74.14	-497.61	-487.95	-83.80	-63.23
		79	1.00	7.28	1.68	6.99	1.96	-1.23	-22.05	-545.08	-487.07	-80.07	
164.25													
69	58	147	0.51	0.58	-1.33	-0.43	-0.32	-0.96	204.74	-122.47	28.63	53.65	
163.13													
		145	0.26	-0.61	-2.79	-0.97	-2.43	0.81	-6.78	-138.19	-6.89	-138.07	-3.86
		29	0.68	3.34	-0.37	3.33	-0.36	-0.19	-173.30	-437.84	-412.46	-198.69	-77.91
		79	0.75	5.34	-0.65	3.57	1.11	-2.73	-60.78	-428.86	-392.13	-97.51	
110.33													
69	59	147	0.13	1.17	-0.41	0.36	0.41	-0.79	68.89	6.29	26.16	49.02	29.14
		145	0.29	2.75	0.35	0.81	2.29	0.94	177.71	28.51	48.11	158.11	-50.40
		29	0.31	3.62	1.05	3.62	1.05	0.03	119.41	-69.46	-68.79	118.73	11.27
		79	0.58	4.77	0.34	4.11	1.00	-1.58	56.60	-271.73	-243.57	28.44	91.94
69	60	147	0.32	1.20	-1.39	-0.20	9.14e-03	1.29	28.32	-157.04	-89.76	-38.97	89.13
		145	0.47	-0.38	-2.66	-0.69	-2.34	-0.79	-96.63	-305.49	-132.46	-269.66	78.74
		29	0.48	-1.70	-4.58	-4.56	-1.72	-0.24	-219.68	-280.40	-238.09	-261.99	-27.91
		79	0.17	-0.01	-6.23	-5.03	-1.22	2.46	-0.52	-66.36	-35.25	-31.62	-32.87
69	61	147	0.29	1.70	-1.34	0.18	0.19	-1.52	144.21	-9.36	60.37	74.48	76.46
		145	0.33	1.78	0.23	0.47	1.54	0.56	208.04	40.11	76.39	171.76	-69.11
		29	0.53	6.08	1.27	6.08	1.27	8.15e-03	85.50	-216.63	-215.68	84.55	-16.89
		79	0.89	7.93	0.59	6.76	1.77	-2.69	36.08	-440.33	-391.85	-12.40	
144.03													
69	62	147	0.42	0.27	-0.86	-0.38	-0.21	0.56	103.54	-172.59	-55.55	-13.50	
136.46													

		145	0.44	-0.51	-3.62	-1.03	-3.10	-1.17	-83.32	-276.87	-104.19	-256.00 60.04
		29	0.64	-1.41	-2.19	-2.10	-1.50	-0.26	-269.05	-412.11	-384.99	-296.17-56.07
		79	0.32	0.24	-3.08	-2.38	-0.46	1.35	-69.23	-186.76	-183.53	-72.46 19.22
69	63	147	0.13	1.16	-0.40	0.36	0.40	-0.78	69.83	3.62	25.58	47.88 31.17
		145	0.32	2.48	0.62	0.81	2.28	0.57	189.66	29.63	47.99	171.30-51.01
		29	0.32	3.62	1.06	3.62	1.06	0.03	118.10	-75.94	-75.24	117.40 11.64
		79	0.59	4.76	0.35	4.11	1.01	-1.57	56.56	-278.41	-249.89	28.05 93.48
69	64	147	0.33	1.21	-1.40	-0.19	4.70e-03	1.30	29.34	-159.79	-90.34	-40.11 91.17
		145	0.45	-0.09	-2.95	-0.69	-2.35	-1.16	-94.81	-294.24	-132.58	-256.47 78.14
		29	0.48	-1.69	-4.58	-4.56	-1.71	-0.24	-224.84	-283.03	-244.55	-263.32-27.54
		79	0.17	-7.36e-03	-6.24	-5.03	-1.21	2.46	-5.09	-68.49	-41.57	-32.01-31.34
69	65	147	0.28	1.71	-1.35	0.17	0.19	-1.53	143.07	-6.50	60.95	75.62 74.43
		145	0.31	2.08	-0.07	0.46	1.55	0.93	197.40	37.69	76.51	158.57-68.51
		29	0.52	6.09	1.25	6.09	1.25	7.04e-03	86.89	-210.24	-209.23	85.88-17.26
		79	0.88	7.93	0.59	6.76	1.76	-2.69	36.14	-433.68	-385.52	-12.02
142.50												
69	66	147	0.41	0.27	-0.85	-0.38	-0.20	0.55	102.43	-169.76	-54.97	-12.36
134.42												
		145	0.46	-0.77	-3.36	-1.04	-3.09	-0.80	-84.19	-289.07	-104.06	-269.19 60.64
		29	0.63	-1.42	-2.19	-2.09	-1.52	-0.26	-266.42	-406.95	-378.54	-294.84-56.44
		79	0.31	0.23	-3.07	-2.38	-0.46	1.34	-69.18	-180.10	-177.20	-72.08 17.69
69	67	147	0.13	1.53	-0.66	0.43	0.44	-1.09	63.01	-3.18	20.30	39.54 31.67
		145	0.35	3.09	0.54	0.97	2.65	-0.96	190.82	25.58	45.80	170.60-54.16
		29	0.65	4.67	1.16	4.67	1.16	0.04	120.49	-279.90	-279.25	119.84 16.15
		79	0.65	6.82	-0.27	5.24	1.31	2.95	66.62	-336.78	-297.65	27.49
119.40												
69	68	147	0.32	1.45	-1.75	-0.27	-0.03	1.60	34.08	-147.47	-83.90	-29.49 86.60
		145	0.52	-0.34	-3.22	-0.85	-2.71	1.11	-93.98	-318.31	-130.15	-282.15 82.49
		29	0.44	-1.82	-5.62	-5.60	-1.84	-0.25	-23.16	-267.58	-27.64	-263.10-32.79
		79	0.25	-0.74	-6.95	-6.16	-1.52	-2.06	59.29	-71.13	18.83	-30.67-60.33
69	69	147	0.30	2.06	-1.59	0.25	0.23	-1.82	138.92	-19.41	54.50	65.00 78.99
		145	0.39	2.74	-0.21	0.63	1.90	-1.33	220.51	37.82	74.08	184.25-72.86
		29	0.90	7.12	1.38	7.12	1.38	0.02	85.94	-426.42	-426.14	85.66-12.01
		79	0.96	8.42	1.54	7.89	2.07	1.84	46.38	-505.66	-445.93	-13.35
171.49												
69	70	147	0.42	0.52	-1.22	-0.45	-0.24	0.87	109.00	-162.72	-49.69	-4.02
133.93												
		145	0.49	-0.98	-3.67	-1.19	-3.46	0.73	-80.26	-290.11	-101.88	-268.49 63.79
		29	0.50	-1.57	-3.19	-3.14	-1.62	-0.27	-149.41	-322.40	-174.53	-297.28-60.95
		79	0.26	1.32	-5.60	-3.52	-0.76	-3.17	-70.36	-130.60	-129.45	-71.51 -8.24
69	71	147	0.14	1.52	-0.65	0.43	0.44	-1.08	64.03	-5.92	19.71	38.40 33.70
		145	0.37	3.38	0.24	0.97	2.64	-1.33	202.86	26.60	45.68	183.79-54.76
		29	0.66	4.66	1.17	4.66	1.18	0.04	119.18	-286.37	-285.70	118.51 16.52
		79	0.66	6.82	-0.27	5.24	1.31	2.95	66.57	-343.44	-303.97	27.10
120.94												
69	72	147	0.33	1.46	-1.76	-0.26	-0.03	1.60	35.08	-150.19	-84.48	-30.63 88.64
		145	0.50	-0.59	-2.97	-0.85	-2.72	0.73	-92.31	-306.92	-130.27	-268.95 81.89
		29	0.44	-1.80	-5.62	-5.60	-1.82	-0.25	-29.61	-268.90	-34.09	-264.43-32.42
		79	0.24	-0.74	-6.95	-6.17	-1.52	-2.06	53.42	-71.98	12.50	-31.06-58.80
69	73	147	0.29	2.07	-1.60	0.24	0.23	-1.83	137.77	-16.54	55.09	66.14 76.96
		145	0.36	2.42	0.11	0.62	1.91	-0.96	209.62	35.64	74.20	171.06-72.26
		29	0.89	7.13	1.36	7.13	1.36	0.02	87.30	-419.99	-419.69	86.99-12.38
		79	0.95	8.42	1.54	7.89	2.07	1.83	46.46	-499.03	-439.60	-12.97
169.96												
69	74	147	0.41	0.52	-1.21	-0.45	-0.24	0.86	107.91	-159.89	-49.11	-2.88
131.89												
		145	0.51	-0.75	-3.90	-1.20	-3.45	1.10	-81.09	-302.35	-101.75	-281.68 64.39
		29	0.49	-1.59	-3.18	-3.14	-1.63	-0.27	-143.42	-320.60	-168.08	-295.94-61.32
		79	0.26	1.33	-5.60	-3.51	-0.76	-3.18	-69.35	-124.90	-123.12	-71.12 -9.77
69	75	147	0.09	1.02	-0.26	0.31	0.45	0.63	-4.18	-49.69	-47.45	-6.42 9.85
		145	0.09	1.58	0.17	0.54	1.21	0.62	-8.76	-50.59	-44.61	-14.74 14.63
		29	0.07	-0.18	-1.62	-1.61	-0.19	-0.06	23.24	-20.10	-2.55	5.70 21.28
		79	0.13	6.24e-03	-2.16	-1.66	-0.50	0.92	41.94	-34.27	-34.26	41.93 -1.00
69	76	147	0.15	1.41	-0.90	0.17	0.35	1.15	-17.74	-86.69	-76.19	-28.24 24.77
		145	0.23	0.32	-0.08	0.17	0.06	0.19	-55.86	-154.31	-89.38	-120.79 46.65
		29	0.15	-0.87	-3.65	-3.64	-0.87	-0.12	-41.85	-91.54	-44.70	-88.69 11.55
		79	0.17	-0.09	-4.88	-3.92	-1.05	1.92	54.59	-10.06	17.53	27.00-31.98
69	77	147	0.46	1.21	-1.55	-0.19	-0.15	-1.38	196.35	-85.80	46.80	63.75
140.82												
		145	0.13	-0.15	-1.11	-0.40	-0.87	-0.42	65.49	-9.29	33.31	22.90-37.02
		29	0.72	5.17	0.41	5.17	0.42	-0.11	-79.12	-418.70	-409.08	-88.74-56.35
		79	0.91	6.58	0.67	5.65	1.60	-2.15	-22.49	-493.17	-444.63	-71.02

143.14												
69	78	147	0.48	0.57	-1.15	-0.33	-0.25	-0.86	186.20	-126.21	18.06	41.93
155.75												
		145	0.16	-0.34	-2.45	-0.77	-2.02	-0.85	-11.11	-83.51	-11.46	-83.16 -5.00
		29	0.73	3.15	-0.28	3.14	-0.27	-0.17	-167.73	-466.63	-451.22	-183.13-66.08
		79	0.74	3.85	0.58	3.38	1.05	-1.14	-49.33	-429.46	-392.84	-85.96
112.16												
69	79	147	0.09	0.95	-0.17	0.32	0.46	0.56	-6.20	-51.47	-48.90	-8.77 10.47
		145	0.08	1.33	0.55	0.58	1.30	0.15	-6.75	-50.07	-45.19	-11.64 13.70
		29	0.13	-0.16	-1.36	-1.36	-0.16	-0.05	13.38	-62.29	-54.88	5.97 22.49
		79	0.16	1.19	-2.99	-1.37	-0.42	2.04	42.07	-48.02	-47.65	41.70 5.80
69	80	147	0.15	1.48	-0.98	0.15	0.34	1.23	-15.96	-84.66	-74.74	-25.89 24.15
		145	0.24	0.72	-0.62	0.13	-0.03	0.66	-55.63	-157.06	-88.81	-123.89 47.58
		29	0.19	-0.90	-3.91	-3.90	-0.90	-0.12	8.72	-90.07	7.63	-88.97 10.34
		79	0.17	-0.93	-4.40	-4.20	-1.13	0.80	67.90	-9.75	30.92	27.23-38.78
69	81	147	0.46	1.30	-1.61	-0.17	-0.14	-1.45	195.04	-88.29	45.35	61.40
141.44												
		145	0.14	0.35	-1.48	-0.36	-0.78	-0.89	67.47	-8.74	32.74	25.99-37.95
		29	0.81	5.43	0.44	5.43	0.44	-0.10	-80.48	-469.39	-461.41	-88.46-55.14
		79	0.92	6.16	1.44	5.93	1.68	-1.02	-19.93	-509.34	-458.02	-71.25
149.95												
69	82	147	0.48	0.49	-1.09	-0.35	-0.26	-0.79	187.52	-123.72	19.51	44.28
155.13												
		145	0.17	-0.70	-2.21	-0.81	-2.11	-0.38	-10.67	-86.47	-10.89	-86.25 -4.07
		29	0.65	2.89	-0.31	2.88	-0.30	-0.18	-164.12	-418.18	-398.89	-183.41-67.29
		79	0.72	4.54	-0.47	3.10	0.97	-2.27	-51.84	-413.33	-379.45	-85.72
105.36												
69	83	147	0.10	1.04	-0.28	0.32	0.44	0.66	-4.22	-54.40	-49.06	-9.56 15.47
		145	0.11	1.38	0.36	0.56	1.18	-0.40	24.06	-47.39	-44.95	21.62 12.97
		29	0.09	-0.14	-1.63	-1.62	-0.14	-0.05	15.76	-34.13	-20.39	2.02 22.29
		79	0.16	0.02	-2.17	-1.66	-0.49	0.93	40.95	-51.86	-51.74	40.84 3.25
69	84	147	0.16	1.44	-0.92	0.18	0.34	1.18	-16.34	-92.83	-77.80	-31.38 30.40
		145	0.21	0.95	-0.73	0.19	0.03	-0.83	-42.01	-132.15	-89.72	-84.43 44.99
		29	0.17	-0.83	-3.66	-3.65	-0.83	-0.12	-57.95	-96.96	-62.53	-92.37 12.56
		79	0.15	-0.08	-4.90	-3.93	-1.05	1.93	43.57	-17.62	0.05	25.91-27.73
69	85	147	0.44	1.23	-1.58	-0.20	-0.14	-1.40	193.16	-77.86	48.40	66.89
135.19												
		145	0.14	0.02	-1.27	-0.41	-0.84	0.61	52.58	-32.39	33.65	-13.46-35.36
		29	0.70	5.18	0.37	5.18	0.37	-0.11	-74.67	-401.64	-391.25	-85.06-57.36
		79	0.88	6.59	0.66	5.65	1.59	-2.16	-22.28	-474.79	-427.15	-69.93
138.89												
69	86	147	0.46	0.60	-1.18	-0.34	-0.24	-0.89	183.02	-118.29	19.67	45.07
150.12												
		145	0.22	-0.76	-2.02	-0.78	-1.99	0.18	-11.02	-119.62	-11.12	-119.52 -3.34
		29	0.70	3.16	-0.32	3.15	-0.31	-0.18	-162.82	-450.03	-433.39	-179.46-67.09
		79	0.71	3.86	0.57	3.39	1.04	-1.16	-49.16	-411.06	-375.36	-84.87
107.91												
69	87	147	0.10	0.98	-0.20	0.34	0.45	0.58	-6.08	-56.34	-50.51	-11.91 16.09
		145	0.11	1.87	-2.27e-03	0.60	1.27	-0.87	26.73	-47.53	-45.53	24.72 12.04
		29	0.16	-0.11	-1.37	-1.37	-0.12	-0.05	9.05	-79.47	-72.72	2.30 23.49
		79	0.19	1.21	-3.01	-1.38	-0.42	2.05	41.56	-66.08	-65.13	40.61 10.05
69	88	147	0.16	1.50	-1.01	0.16	0.33	1.25	-14.65	-90.72	-76.34	-29.03 29.78
		145	0.21	0.42	-0.33	0.15	-0.06	-0.36	-42.41	-134.27	-89.15	-87.53 45.92
		29	0.17	-0.85	-3.92	-3.91	-0.86	-0.12	-8.67	-94.18	-10.20	-92.65 11.35
		79	0.15	-0.92	-4.41	-4.21	-1.12	0.81	54.90	-15.32	13.44	26.14-34.53
69	89	147	0.45	1.32	-1.64	-0.19	-0.13	-1.48	191.85	-80.35	46.95	64.54
135.81												
		145	0.13	-0.33	-0.79	-0.37	-0.75	0.13	53.65	-30.94	33.08	-10.37-36.29
		29	0.78	5.44	0.40	5.44	0.40	-0.11	-76.21	-452.16	-443.58	-84.79-56.15
		79	0.89	6.17	1.43	5.93	1.67	-1.04	-19.72	-490.98	-440.54	-70.16
145.70												
69	90	147	0.46	0.51	-1.12	-0.36	-0.25	-0.81	184.35	-115.81	21.12	47.42
149.50												
		145	0.23	-0.55	-2.35	-0.82	-2.08	0.65	-10.49	-122.66	-10.55	-122.61 -2.41
		29	0.62	2.90	-0.35	2.89	-0.34	-0.18	-158.75	-402.04	-381.06	-179.73-68.30
		79	0.69	4.55	-0.48	3.11	0.97	-2.28	-51.69	-394.91	-361.96	-84.63
101.11												
69	91	147	0.14	1.00	-0.35	0.29	0.35	-0.67	71.53	-8.86	19.07	43.60 38.28
		145	0.23	2.20	0.28	0.65	1.82	0.76	138.27	18.79	34.89	122.17-40.80
		29	0.29	3.13	0.83	3.13	0.83	2.55e-03	82.94	-95.83	-95.67	82.77 5.45
		79	0.55	4.09	0.33	3.55	0.88	-1.32	45.62	-264.11	-238.31	19.82 85.59
69	92	147	0.31	0.98	-1.12	-0.17	0.02	1.05	38.25	-144.12	-76.73	-29.14 88.03

		145	0.40	-0.32	-2.28	-0.59	-2.01	-0.67	-84.70	-260.99	-114.34	-231.35 65.93
		29	0.44	-1.44	-3.66	-3.64	-1.46	-0.22	-206.97	-261.06	-236.15	-231.87-26.96
		79	0.15	0.04	-5.01	-4.01	-0.96	2.01	-22.70	-72.94	-65.67	-29.96-17.67
69	93	147	0.28	1.44	-1.12	0.14	0.17	-1.28	134.05	-22.05	47.34	64.65 77.57
		145	0.26	1.39	0.17	0.37	1.20	0.44	163.56	28.16	58.27	133.45-56.30
		29	0.49	5.16	1.01	5.16	1.01	-0.01	55.60	-218.79	-217.62	54.44-17.84
		79	0.80	6.71	0.54	5.74	1.51	-2.24	28.50	-403.99	-361.42	-14.06
128.83												
69	94	147	0.39	0.22	-0.69	-0.32	-0.16	0.44	100.64	-157.18	-48.46	-8.08
127.32												
		145	0.38	-0.43	-3.07	-0.87	-2.63	-0.99	-73.60	-237.43	-90.96	-220.06 50.43
		29	0.58	-1.16	-1.72	-1.60	-1.28	-0.23	-239.00	-379.31	-358.11	-260.20-50.25
		79	0.32	0.25	-2.40	-1.82	-0.33	1.10	-58.81	-193.82	-188.78	-63.85 25.58
69	95	147	0.15	0.99	-0.34	0.30	0.35	-0.67	72.36	-11.12	18.58	42.66 39.96
		145	0.25	1.97	0.50	0.65	1.82	0.45	148.12	19.74	34.79	133.07-41.30
		29	0.30	3.12	0.84	3.12	0.84	3.47e-03	81.85	-101.20	-101.02	81.67 5.75
		79	0.56	4.09	0.34	3.55	0.88	-1.32	45.59	-269.65	-243.56	19.49 86.86
69	96	147	0.31	0.99	-1.13	-0.16	0.02	1.06	39.11	-146.40	-77.21	-30.08 89.71
		145	0.38	-0.09	-2.52	-0.59	-2.02	-0.98	-83.24	-251.64	-114.44	-220.44 65.43
		29	0.45	-1.43	-3.66	-3.64	-1.45	-0.21	-210.24	-264.24	-241.50	-232.98-26.66
		79	0.16	0.04	-5.02	-4.01	-0.96	2.02	-24.50	-76.71	-70.92	-30.29-16.39
69	97	147	0.27	1.44	-1.13	0.14	0.18	-1.28	133.11	-19.69	47.82	65.59 75.88
		145	0.24	1.65	-0.08	0.36	1.21	0.75	154.83	26.09	58.37	122.55-55.80
		29	0.49	5.17	0.99	5.17	0.99	-0.01	56.76	-213.50	-212.27	55.54-18.14
		79	0.79	6.71	0.54	5.74	1.51	-2.25	28.55	-398.47	-356.18	-13.74
127.56												
69	98	147	0.38	0.21	-0.68	-0.32	-0.15	0.44	99.72	-154.84	-47.98	-7.14
125.63												
		145	0.40	-0.65	-2.86	-0.88	-2.62	-0.68	-74.30	-247.52	-90.86	-230.97 50.93
		29	0.57	-1.17	-1.72	-1.60	-1.30	-0.23	-237.02	-374.84	-352.76	-259.10-50.55
		79	0.31	0.25	-2.40	-1.82	-0.33	1.09	-58.79	-188.27	-183.54	-63.52 24.30
69	99	147	0.15	1.29	-0.56	0.35	0.38	-0.92	66.75	-16.76	14.22	35.77 40.34
		145	0.27	2.51	0.40	0.78	2.12	-0.81	149.09	16.38	32.98	132.49-43.90
		29	0.59	3.99	0.92	3.99	0.92	0.01	83.94	-270.36	-270.10	83.69 9.48
		79	0.60	5.75	-0.13	4.48	1.13	2.42	53.85	-317.75	-282.95	19.05
108.27												
69	100	147	0.31	1.19	-1.42	-0.22	-5.22e-03	1.30	43.01	-136.20	-71.89	-21.30 85.96
		145	0.44	-0.32	-2.71	-0.72	-2.31	0.90	-82.49	-271.61	-112.43	-241.67 69.03
		29	0.37	-1.54	-4.52	-4.50	-1.56	-0.22	-56.28	-238.23	-61.72	-232.79-30.99
		79	0.20	-0.54	-5.62	-4.95	-1.21	-1.73	15.44	-65.67	-21.04	-29.19-40.35
69	101	147	0.29	1.73	-1.33	0.20	0.20	-1.53	129.61	-30.30	42.50	56.82 79.63
		145	0.31	2.23	-0.23	0.50	1.50	-1.12	173.81	26.32	56.36	143.77-59.40
		29	0.79	6.02	1.10	6.02	1.10	-3.95e-03	55.78	-392.48	-392.06	55.36-13.81
		79	0.86	7.09	1.34	6.67	1.76	1.50	36.98	-457.87	-406.06	-14.84
151.51												
69	102	147	0.39	0.42	-0.98	-0.37	-0.18	0.70	105.18	-149.05	-43.61	-0.25
125.25												
		145	0.42	-0.84	-3.09	-1.01	-2.93	0.58	-71.07	-248.37	-89.05	-230.38 53.53
		29	0.45	-1.33	-2.51	-2.46	-1.38	-0.24	-155.72	-289.08	-183.68	-261.12-54.28
		79	0.26	1.19	-4.53	-2.76	-0.58	-2.64	-62.97	-144.25	-144.15	-63.07 2.89
69	103	147	0.15	1.28	-0.55	0.35	0.38	-0.92	67.62	-19.05	13.74	34.83 42.03
		145	0.29	2.75	0.15	0.79	2.12	-1.12	159.02	17.25	32.88	143.39-44.40
		29	0.60	3.99	0.93	3.99	0.93	0.01	82.85	-275.72	-275.45	82.58 9.78
		79	0.61	5.75	-0.14	4.48	1.13	2.42	53.81	-323.28	-288.19	18.72
109.54												
69	104	147	0.31	1.20	-1.43	-0.22	-8.95e-03	1.31	43.85	-138.47	-72.37	-22.24 87.65
		145	0.42	-0.53	-2.51	-0.72	-2.32	0.59	-81.14	-262.15	-112.53	-230.76 68.53
		29	0.37	-1.53	-4.52	-4.50	-1.54	-0.22	-61.60	-239.36	-67.07	-233.89-30.69
		79	0.20	-0.54	-5.62	-4.95	-1.21	-1.72	11.21	-67.01	-26.28	-29.51-39.07
69	105	147	0.28	1.74	-1.33	0.20	0.21	-1.54	128.67	-27.93	42.98	57.76 77.95
		145	0.29	1.96	0.04	0.50	1.51	-0.82	164.87	24.46	56.46	132.87-58.90
		29	0.79	6.03	1.09	6.03	1.09	-4.87e-03	56.91	-387.16	-386.71	56.46-14.11
		79	0.85	7.09	1.34	6.68	1.76	1.49	37.04	-452.36	-400.81	-14.51
150.24												
69	106	147	0.38	0.42	-0.97	-0.38	-0.18	0.69	104.27	-146.71	-43.13	0.69
123.56												
		145	0.43	-0.66	-3.27	-1.01	-2.92	0.89	-71.73	-258.50	-88.95	-241.29 54.03
		29	0.44	-1.34	-2.51	-2.46	-1.39	-0.24	-151.00	-287.35	-178.33	-260.02-54.58
		79	0.25	1.19	-4.53	-2.76	-0.58	-2.65	-62.71	-138.94	-138.90	-62.75 1.62
70	1	149	0.16	0.06	-0.05	0.03	-0.02	0.05	68.85	-39.17	5.80	23.89 53.25
		148	0.03	0.11	5.49e-03	0.04	0.07	0.05	-0.26	-18.42	-2.26	-16.42 -5.69
		21	0.24	4.73e-03	-0.35	-0.34	-2.98e-03	0.05	-42.04	-156.98	-152.55	-46.47-22.13

		60	0.26	-0.08	-0.37	-0.36	-0.09	0.05	3.02	-153.67	-144.48	-6.17	36.80
70	2	149	0.60	0.42	-0.32	-0.10	0.20	-0.34	248.33	-159.39	16.82	72.12	
201.98													
		148	0.22	-0.20	-1.13	-0.34	-0.99	-0.34	-23.39	-134.91	-24.38	-133.92	-10.49
		21	0.90	2.45	-0.48	2.41	-0.44	-0.34	-216.69	-591.75	-566.17	-242.28	-94.55
		60	0.95	2.70	0.69	2.64	0.75	-0.34	-9.27	-551.92	-524.96	-36.23	
117.91													
70	3	149	0.11	0.05	-0.05	0.02	-0.02	0.05	49.58	-27.86	4.25	17.47	38.15
		148	0.02	0.11	8.88e-03	0.04	0.08	0.05	0.38	-12.11	-1.32	-10.41	-4.28
		21	0.17	0.01	-0.32	-0.31	5.96e-03	0.05	-29.01	-112.58	-109.54	-32.05	-15.66
		60	0.19	-0.08	-0.34	-0.33	-0.09	0.05	2.56	-110.69	-103.96	-4.18	26.78
70	4	149	0.56	0.43	-0.33	-0.11	0.20	-0.34	229.06	-148.08	15.28	65.70	
186.88													
		148	0.21	-0.19	-1.14	-0.34	-0.99	-0.34	-22.66	-128.70	-23.44	-127.91	-9.09
		21	0.83	2.47	-0.47	2.43	-0.43	-0.34	-203.58	-547.44	-523.16	-227.86	-88.08
		60	0.88	2.73	0.70	2.67	0.76	-0.34	-9.72	-508.96	-484.44	-34.24	
107.89													
70	5	149	0.12	0.05	-0.04	0.02	-0.01	0.04	51.49	-29.14	4.37	17.98	39.74
		148	0.02	0.10	6.29e-03	0.04	0.07	0.04	0.05	-13.27	-1.56	-11.66	-4.33
		21	0.18	7.59e-03	-0.29	-0.28	1.29e-03	0.04	-30.89	-117.20	-113.95	-34.14	-16.43
		60	0.20	-0.07	-0.31	-0.30	-0.08	0.04	2.42	-114.94	-108.02	-4.50	27.65
70	6	149	0.41	0.27	-0.21	-0.06	0.13	-0.22	171.14	-109.29	11.72	50.14	
138.89													
		148	0.15	-0.13	-0.74	-0.22	-0.64	-0.22	-15.54	-90.76	-16.31	-90.00	-7.54
		21	0.62	1.57	-0.32	1.55	-0.29	-0.22	-147.39	-406.98	-389.70	-164.68	-64.71
		60	0.65	1.74	0.45	1.70	0.49	-0.22	-5.78	-380.43	-361.67	-24.54	81.72
70	7	149	0.12	0.05	-0.04	0.02	-0.01	0.04	51.49	-29.14	4.37	17.98	39.74
		148	0.02	0.10	6.29e-03	0.04	0.07	0.04	0.05	-13.27	-1.56	-11.66	-4.33
		21	0.18	7.59e-03	-0.29	-0.28	1.29e-03	0.04	-30.89	-117.20	-113.95	-34.14	-16.43
		60	0.20	-0.07	-0.31	-0.30	-0.08	0.04	2.42	-114.94	-108.02	-4.50	27.65
70	8	149	0.32	0.18	-0.13	-0.04	0.09	-0.14	135.24	-85.24	9.52	40.49	
109.15													
		148	0.11	-0.09	-0.49	-0.14	-0.43	-0.14	-11.10	-67.28	-11.88	-66.50	-6.58
		21	0.48	1.01	-0.22	1.00	-0.20	-0.14	-112.54	-319.95	-306.97	-125.52	-50.23
		60	0.51	1.13	0.29	1.10	0.32	-0.14	-3.33	-300.77	-285.58	-18.53	65.50
70	9	149	0.12	0.05	-0.04	0.02	-0.01	0.04	51.49	-29.14	4.37	17.98	39.74
		148	0.02	0.10	6.29e-03	0.04	0.07	0.04	0.05	-13.27	-1.56	-11.66	-4.33
		21	0.18	7.59e-03	-0.29	-0.28	1.29e-03	0.04	-30.89	-117.20	-113.95	-34.14	-16.43
		60	0.20	-0.07	-0.31	-0.30	-0.08	0.04	2.42	-114.94	-108.02	-4.50	27.65
70	10	149	0.29	0.15	-0.10	-0.03	0.07	-0.11	123.28	-77.22	8.78	37.27	99.23
		148	0.10	-0.07	-0.40	-0.12	-0.36	-0.11	-9.61	-59.46	-10.41	-58.66	-6.26
		21	0.44	0.83	-0.19	0.81	-0.17	-0.11	-100.92	-290.95	-279.40	-112.46	-45.40
		60	0.47	0.92	0.24	0.90	0.26	-0.11	-2.51	-274.22	-260.21	-16.52	60.09
70	11	149	0.24	0.96	0.13	0.57	0.52	-0.41	107.61	-45.59	17.22	44.81	75.35
		148	0.18	-0.29	-2.78	-0.48	-2.58	0.68	0.65	-84.74	0.34	-84.43	-5.14
		21	0.41	3.26	-1.88	3.23	-1.84	-0.41	-12.14	-214.32	-206.88	-19.58	-38.06
		60	0.39	4.53	0.57	3.85	1.25	-1.49	17.01	-189.71	-185.63	12.94	28.73
70	12	149	0.23	4.79	-3.47	-0.13	1.46	-4.05	-27.10	-127.56	-127.17	-27.48	6.20
		148	0.58	-1.06	-8.70	-2.34	-7.42	2.86	-75.29	-296.69	-155.71	-216.27	
106.47													
		21	0.55	16.22	-3.75	16.21	-3.73	-0.60	112.16	-76.60	97.86	-62.30	49.95
		60	0.61	21.41	1.71	17.97	5.15	-7.48	163.24	2.09	130.85	34.48	-64.59
70	13	149	0.70	3.27	-4.50	0.07	-1.31	3.82	316.83	-70.07	144.73	102.03	
192.27													
		148	0.51	8.25	0.56	2.11	6.70	-3.09	237.25	-3.42	134.89	98.94	-
118.98													
		21	1.31	3.39	-14.58	-14.58	3.38	0.37	-125.34	-693.94	-656.65	-162.63	-
140.75													
		60	1.47	-1.14	-19.67	-16.17	-4.63	7.25	-13.96	-704.83	-651.27	-67.53	
184.76													
70	14	149	0.36	-0.27	-0.73	-0.64	-0.37	0.19	139.03	-108.95	0.34	29.74	
123.12													
		148	0.07	2.27	-0.15	0.25	1.86	-0.90	-17.60	-36.45	-21.16	-32.90	-7.37
		21	0.55	1.51	-1.61	-1.60	1.50	0.19	-188.34	-368.91	-351.91	-205.34	-52.74
		60	0.63	0.04	-2.81	-2.04	-0.73	1.27	-19.46	-361.31	-334.79	-45.98	91.45
70	15	149	0.24	1.09	0.03	0.56	0.56	-0.53	107.08	-44.14	18.04	44.90	74.41
		148	0.19	-0.32	-3.05	-0.55	-2.81	0.77	0.52	-88.53	0.32	-88.33	-4.22
		21	0.41	3.73	-1.99	3.70	-1.96	-0.43	-13.93	-210.22	-202.19	-21.96	-38.87
		60	0.39	5.16	0.61	4.37	1.40	-1.72	16.97	-183.64	-180.15	13.48	26.22
70	16	149	0.23	4.65	-3.36	-0.12	1.41	-3.93	-27.07	-128.50	-127.99	-27.57	7.13
		148	0.57	-1.03	-8.43	-2.27	-7.19	2.77	-74.73	-293.32	-155.68	-212.37	
105.56													

		21	0.53	15.75	-3.63	15.74	-3.61	-0.58	108.47	-75.23	93.16	-59.93	50.76
		60	0.59	20.78	1.67	17.45	5.00	-7.25	156.74	2.55	125.36	33.93	-62.08
70	17	149	0.69	3.16	-4.36	0.06	-1.26	3.70	316.40	-68.72	145.55	102.12	
191.33													
		148	0.50	7.98	0.53	2.04	6.47	-2.99	234.69	-4.78	134.87	95.04	-
118.07													
		21	1.29	3.27	-14.11	-14.11	3.27	0.36	-126.84	-690.12	-651.96	-165.00	-
141.56													
		60	1.45	-1.09	-19.03	-15.65	-4.48	7.02	-14.37	-698.39	-645.78	-66.98	
182.25													
70	18	149	0.37	-0.20	-0.84	-0.62	-0.41	0.30	139.55	-110.38	-0.48	29.65	
124.05													
		148	0.07	2.54	-0.13	0.32	2.09	-1.00	-15.89	-34.24	-21.13	-28.99	-8.29
		21	0.56	1.62	-2.08	-2.07	1.61	0.20	-187.06	-372.51	-356.60	-202.97	-51.93
		60	0.65	-8.31e-03	-3.44	-2.57	-0.88	1.50	-19.05	-367.75	-340.27	-46.53	93.96
70	19	149	0.24	1.14	0.02	0.60	0.56	-0.56	105.44	-46.55	16.06	42.83	74.81
		148	0.19	-0.33	-3.11	-0.58	-2.86	0.78	-1.26	-88.81	-1.37	-88.70	-3.09
		21	0.41	3.83	-2.02	3.79	-1.98	-0.43	-10.36	-209.65	-202.55	-17.46	-36.94
		60	0.40	5.29	0.61	4.48	1.43	-1.78	15.44	-184.98	-181.06	11.52	27.74
70	20	149	0.23	4.97	-3.58	-0.11	1.50	-4.20	-29.13	-128.66	-128.34	-29.46	5.66
		148	0.59	-1.10	-9.03	-2.43	-7.70	2.97	-75.96	-302.00	-157.42	-220.55	
108.52													
		21	0.57	16.79	-3.89	16.77	-3.87	-0.62	116.92	-74.91	102.19	-60.18	51.07
		60	0.63	22.18	1.75	18.60	5.33	-7.76	167.42	1.07	135.42	33.07	-65.57
70	21	149	0.70	3.38	-4.68	0.05	-1.35	3.97	318.89	-68.99	145.90	104.01	
192.80													
		148	0.52	8.58	0.60	2.20	6.98	-3.19	242.09	-2.27	136.60	103.22	-
121.03													
		21	1.32	3.53	-15.15	-15.14	3.52	0.39	-127.05	-698.68	-660.98	-164.74	-
141.87													
		60	1.49	-1.17	-20.43	-16.80	-4.81	7.54	-12.49	-709.47	-655.84	-66.12	
185.75													
70	22	149	0.37	-0.18	-0.89	-0.66	-0.41	0.34	141.18	-107.96	1.50	31.72	
123.65													
		148	0.07	2.60	-0.11	0.34	2.14	-1.01	-13.56	-34.52	-19.45	-28.62	-9.42
		21	0.57	1.65	-2.18	-2.16	1.64	0.21	-190.01	-373.69	-356.24	-207.46	-53.86
		60	0.65	-4.87e-03	-3.57	-2.67	-0.91	1.55	-17.99	-365.94	-339.36	-44.57	92.43
70	23	149	0.24	1.28	-0.08	0.59	0.61	-0.68	104.91	-45.11	16.88	42.92	73.87
		148	0.20	-0.36	-3.38	-0.65	-3.09	0.88	-1.34	-92.66	-1.39	-92.61	-2.17
		21	0.41	4.29	-2.13	4.26	-2.10	-0.45	-12.16	-205.53	-197.86	-19.84	-37.75
		60	0.40	5.93	0.65	5.00	1.58	-2.01	15.41	-178.91	-175.58	12.07	25.24
70	24	149	0.23	4.83	-3.48	-0.10	1.46	-4.08	-29.11	-129.59	-129.16	-29.55	6.59
		148	0.58	-1.07	-8.76	-2.36	-7.47	2.87	-75.41	-298.63	-157.39	-216.64	
107.61													
		21	0.55	16.32	-3.77	16.30	-3.76	-0.60	113.23	-73.55	97.50	-57.81	51.88
		60	0.61	21.54	1.71	18.08	5.17	-7.53	160.91	1.55	129.93	32.52	-63.06
70	25	149	0.70	3.28	-4.55	0.04	-1.31	3.85	318.45	-67.64	146.72	104.10	
191.87													
		148	0.51	8.30	0.57	2.13	6.75	-3.10	239.50	-3.61	136.57	99.31	-
120.12													
		21	1.31	3.42	-14.68	-14.67	3.41	0.38	-128.54	-694.87	-656.29	-167.12	-
142.68													
		60	1.47	-1.13	-19.80	-16.28	-4.65	7.30	-12.90	-703.02	-650.35	-65.57	
183.24													
70	26	149	0.38	-0.09	-1.01	-0.65	-0.46	0.45	141.70	-109.39	0.68	31.62	
124.59													
		148	0.07	2.87	-0.08	0.41	2.37	-1.11	-11.40	-32.75	-19.42	-24.72	-10.34
		21	0.58	1.76	-2.65	-2.63	1.75	0.22	-188.74	-377.28	-360.94	-205.09	-53.05
		60	0.67	-0.05	-4.21	-3.20	-1.06	1.78	-17.58	-372.39	-344.84	-45.12	94.94
70	27	149	0.80	5.46	-5.45	1.23	-1.22	5.31	390.81	-11.34	230.30	149.17	
196.94													
		148	0.71	8.14	0.76	2.59	6.30	-3.19	363.17	-0.12	229.49	133.56	-
175.20													
		21	1.59	2.19	-18.14	-18.14	2.19	0.08	22.26	-761.90	-719.83	-19.81	-
176.68													
		60	1.66	-1.36	-23.64	-19.64	-5.36	8.55	10.37	-768.57	-717.83	-40.37	
192.21													
70	28	149	0.49	7.37	-6.59	-1.14	1.91	-6.81	-85.01	-257.78	-251.00	-91.79	-33.56
		148	0.92	-1.57	-11.84	-3.60	-9.81	4.09	-101.30	-495.28	-290.67	-305.91	
196.84													
		21	1.17	25.12	-4.11	25.11	-4.10	-0.54	323.98	-190.21	295.97	-162.20	
116.69													

		60	1.16	32.65	2.45	27.45	7.65	-11.40	377.87	-9.31	337.10	31.46	-
118.84													
70	29	149	0.95	6.39	-7.08	1.08	-1.77	6.58	455.03	-20.13	268.56	166.34	
232.02													
		148	0.88	11.41	1.05	3.37	9.09	-4.32	442.48	15.96	269.86	188.58	-
209.35													
		21	1.89	3.76	-23.49	-23.48	3.75	0.31	-11.66	-905.83	-854.76	-62.72	-
207.49													
		60	2.03	-1.88	-30.90	-25.65	-7.13	11.17	1.96	-923.99	-857.52	-64.51	
239.02													
70	30	149	0.37	5.73	-5.66	-1.29	1.37	-5.54	-74.61	-212.76	-212.74	-74.62	1.52
		148	0.75	-1.29	-8.55	-2.82	-7.02	2.96	-87.91	-413.29	-250.31	-250.89	
162.69													
		21	0.89	19.77	-2.54	19.77	-2.53	-0.30	180.18	-224.26	161.04	-205.12	85.89
		60	0.79	25.39	1.93	21.45	5.88	-8.78	221.62	-16.89	197.41	7.32	-72.03
70	31	149	0.80	5.42	-5.39	1.23	-1.20	5.27	390.21	-11.68	229.96	148.58	
196.78													
		148	0.71	8.04	0.74	2.56	6.22	-3.15	361.78	-0.52	228.98	132.28	-
174.58													
		21	1.58	2.14	-17.97	-17.97	2.14	0.07	22.78	-760.48	-718.53	-19.17	-
176.35													
		60	1.65	-1.35	-23.41	-19.45	-5.31	8.46	9.92	-767.17	-716.46	-40.79	
191.91													
70	32	149	0.49	7.42	-6.63	-1.13	1.93	-6.85	-85.53	-258.20	-251.35	-92.38	-33.72
		148	0.93	-1.58	-11.94	-3.63	-9.89	4.12	-101.57	-496.80	-291.19	-307.19	
197.45													
		21	1.17	25.29	-4.15	25.28	-4.14	-0.54	325.39	-189.69	297.27	-161.57	
117.03													
		60	1.16	32.88	2.46	27.64	7.70	-11.49	379.24	-9.73	338.47	31.03	-
119.14													
70	33	149	0.95	6.42	-7.13	1.07	-1.78	6.63	455.63	-19.79	268.91	166.93	
232.18													
		148	0.88	11.50	1.06	3.39	9.17	-4.35	443.90	16.32	270.37	189.86	-
209.97													
		21	1.89	3.80	-23.66	-23.65	3.80	0.32	-12.17	-907.24	-856.06	-63.36	-
207.83													
		60	2.03	-1.89	-31.13	-25.84	-7.18	11.26	2.41	-925.39	-858.89	-64.08	
239.31													
70	34	149	0.37	5.68	-5.62	-1.30	1.35	-5.49	-74.01	-212.42	-212.40	-74.03	1.68
		148	0.75	-1.28	-8.45	-2.79	-6.94	2.93	-87.63	-411.77	-249.80	-249.61	
162.07													
		21	0.89	19.61	-2.50	19.60	-2.49	-0.30	178.77	-224.79	159.74	-205.75	85.55
		60	0.78	25.16	1.92	21.26	5.83	-8.69	220.26	-16.48	196.04	7.74	-71.74
70	35	149	0.79	5.11	-4.99	1.19	-1.07	4.92	389.53	-7.02	233.04	149.48	
193.82													
		148	0.69	7.23	0.66	2.36	5.54	-2.88	355.52	-5.56	229.41	120.55	-
172.14													
		21	1.53	1.80	-16.58	-16.58	1.80	0.03	16.90	-748.82	-704.19	-27.72	-
179.38													
		60	1.59	-1.22	-21.52	-17.89	-4.85	7.78	9.16	-747.23	-699.54	-38.53	
183.84													
70	36	149	0.48	6.91	-6.24	-1.10	1.76	-6.42	-86.56	-259.27	-253.73	-92.10	-30.44
		148	0.90	-1.48	-10.93	-3.37	-9.04	3.78	-97.96	-485.53	-290.59	-292.90	
193.78													
		21	1.11	23.56	-3.73	23.55	-3.72	-0.49	310.97	-184.93	280.33	-154.29	
119.39													
		60	1.09	30.53	2.31	25.70	7.14	-10.63	356.19	-7.75	318.81	29.63	-
110.48													
70	37	149	0.93	6.04	-6.62	1.04	-1.61	6.19	453.77	-15.83	271.29	166.65	
228.90													
		148	0.85	10.50	0.96	3.13	8.32	-4.00	434.27	11.07	269.77	175.57	-
206.29													
		21	1.83	3.37	-21.92	-21.92	3.37	0.26	-16.90	-892.86	-839.12	-70.64	-
210.19													
		60	1.96	-1.73	-28.78	-23.90	-6.62	10.40	0.67	-902.57	-839.23	-62.67	
230.65													
70	38	149	0.37	5.28	-5.31	-1.25	1.21	-5.15	-74.78	-215.63	-215.48	-74.93	4.64
		148	0.72	-1.20	-7.64	-2.59	-6.26	2.65	-84.31	-403.80	-250.22	-237.88	
159.63													
		21	0.83	18.21	-2.15	18.20	-2.15	-0.25	166.95	-218.75	145.40	-197.20	88.58
		60	0.72	23.27	1.79	19.69	5.37	-8.01	199.97	-15.36	179.12	5.49	-63.67
70	39	149	0.78	5.07	-4.94	1.19	-1.05	4.88	388.93	-7.35	232.69	148.89	

193.66													
		148	0.69	7.13	0.65	2.33	5.45	-2.84	354.15	-5.98	228.89	119.27	-
171.52													
		21	1.53	1.76	-16.41	-16.41	1.76	0.02	17.42	-747.40	-702.89	-27.09	-
179.04													
		60	1.58	-1.21	-21.29	-17.70	-4.80	7.69	8.70	-745.83	-698.17	-38.96	
183.55													
70	40	149	0.48	6.96	-6.28	-1.09	1.78	-6.46	-87.08	-259.69	-254.08	-92.69	-30.60
		148	0.90	-1.49	-11.03	-3.40	-9.12	3.81	-98.24	-487.04	-291.10	-294.18	
194.40													
		21	1.11	23.73	-3.77	23.72	-3.76	-0.50	312.39	-184.41	281.63	-153.65	
119.73													
		60	1.09	30.76	2.32	25.89	7.19	-10.71	357.55	-8.17	320.18	29.20	-
110.77													
70	41	149	0.93	6.08	-6.68	1.03	-1.63	6.24	454.37	-15.49	271.64	167.24	
229.06													
		148	0.86	10.60	0.97	3.16	8.40	-4.04	435.68	11.45	270.28	176.85	-
206.91													
		21	1.84	3.41	-22.09	-22.09	3.41	0.27	-17.42	-894.28	-840.42	-71.27	-
210.52													
		60	1.96	-1.74	-29.01	-24.08	-6.67	10.49	1.12	-903.97	-840.60	-62.25	
230.95													
70	42	149	0.36	5.22	-5.28	-1.25	1.20	-5.10	-74.17	-215.29	-215.13	-74.34	4.80
		148	0.72	-1.19	-7.55	-2.56	-6.17	2.62	-84.01	-402.30	-249.71	-236.60	
159.01													
		21	0.83	18.04	-2.11	18.04	-2.11	-0.25	165.53	-219.27	144.10	-197.84	88.25
		60	0.71	23.04	1.78	19.50	5.32	-7.92	198.59	-14.93	177.75	5.91	-63.37
70	43	149	0.25	0.78	0.09	0.45	0.42	-0.35	111.72	-52.04	16.01	43.67	80.70
		148	0.16	-0.26	-2.25	-0.40	-2.11	0.51	-1.19	-79.32	-1.58	-78.93	-5.51
		21	0.41	2.75	-1.52	2.72	-1.49	-0.35	-31.32	-231.35	-222.92	-39.75	-40.19
		60	0.41	3.76	0.51	3.22	1.04	-1.20	12.62	-207.71	-201.90	6.81	35.30
70	44	149	0.22	3.80	-2.76	-0.12	1.17	-3.22	-6.27	-105.70	-98.40	-13.57	25.94
		148	0.47	-0.88	-6.92	-1.87	-5.93	2.23	-66.44	-242.23	-125.24	-183.42	82.94
		21	0.37	12.97	-3.00	12.96	-2.98	-0.50	27.15	-82.08	18.50	-73.43	29.50
		60	0.40	17.08	1.41	14.37	4.12	-5.92	76.97	-4.28	48.85	23.84	-38.65
70	45	149	0.61	2.56	-3.52	0.06	-1.02	2.99	275.12	-71.04	115.96	88.12	
172.52													
		148	0.40	6.47	0.38	1.64	5.21	-2.46	182.62	-12.10	104.43	66.09	-95.45
		21	1.12	2.64	-11.34	-11.33	2.63	0.27	-119.86	-608.93	-577.29	-151.50	-
120.30													
		60	1.25	-0.84	-15.34	-12.57	-3.60	5.70	-11.65	-614.51	-569.27	-56.89	
158.83													
70	46	149	0.35	-0.23	-0.56	-0.51	-0.28	0.12	134.88	-102.46	1.55	30.88	
117.76													
		148	0.08	1.74	-0.18	0.17	1.39	-0.74	-16.95	-40.68	-19.24	-38.40	-7.00
		21	0.52	1.15	-1.10	-1.09	1.14	0.12	-169.76	-351.30	-335.88	-185.18	-50.61
		60	0.59	0.10	-2.04	-1.42	-0.52	0.97	-16.04	-342.34	-318.52	-39.86	84.87
70	47	149	0.25	0.89	9.78e-03	0.44	0.46	-0.44	111.29	-50.90	16.66	43.74	79.96
		148	0.17	-0.29	-2.46	-0.46	-2.29	0.58	-1.31	-82.31	-1.60	-82.03	-4.78
		21	0.41	3.11	-1.61	3.09	-1.58	-0.36	-32.72	-228.14	-219.20	-41.66	-40.82
		60	0.41	4.25	0.54	3.63	1.16	-1.38	12.53	-202.83	-197.55	7.25	33.31
70	48	149	0.22	3.70	-2.67	-0.11	1.13	-3.13	-5.99	-106.70	-99.04	-13.64	26.69
		148	0.46	-0.86	-6.70	-1.82	-5.75	2.16	-66.07	-239.48	-125.22	-180.33	82.21
		21	0.36	12.61	-2.91	12.59	-2.89	-0.48	24.26	-81.00	14.78	-71.52	30.14
		60	0.38	16.58	1.38	13.96	4.00	-5.74	72.10	-4.20	44.50	23.40	-36.66
70	49	149	0.60	2.48	-3.41	0.05	-0.98	2.90	274.76	-69.97	116.60	88.19	
171.78													
		148	0.39	6.25	0.36	1.58	5.03	-2.39	180.66	-13.26	104.41	63.00	-94.72
		21	1.10	2.55	-10.97	-10.96	2.54	0.26	-121.08	-605.89	-573.57	-153.40	-
120.93													
		60	1.24	-0.80	-14.84	-12.16	-3.48	5.52	-11.96	-609.40	-564.92	-56.45	
156.84													
70	50	149	0.35	-0.17	-0.63	-0.50	-0.31	0.21	135.30	-103.59	0.90	30.81	
118.50													
		148	0.07	1.96	-0.16	0.23	1.57	-0.81	-16.11	-38.41	-19.22	-35.30	-7.73
		21	0.53	1.24	-1.46	-1.46	1.24	0.14	-168.66	-354.21	-339.60	-183.27	-49.97
		60	0.60	0.06	-2.54	-1.83	-0.64	1.15	-15.73	-347.44	-322.87	-40.30	86.86
70	51	149	0.25	0.93	-2.25e-03	0.46	0.46	-0.46	110.16	-52.73	15.22	42.20	80.32
		148	0.17	-0.30	-2.51	-0.48	-2.33	0.60	-2.68	-82.47	-2.87	-82.27	-3.91
		21	0.41	3.19	-1.63	3.16	-1.60	-0.37	-30.04	-227.80	-219.59	-38.25	-39.46
		60	0.41	4.35	0.54	3.72	1.18	-1.42	11.38	-204.01	-198.34	5.70	34.50
70	52	149	0.22	3.95	-2.85	-0.10	1.20	-3.33	-7.88	-106.34	-99.18	-15.04	25.56

		148	0.48	-0.92	-7.18	-1.94	-6.15	2.32	-66.90	-246.40	-126.54	-186.77	84.54
		21	0.38	13.42	-3.11	13.40	-3.09	-0.51	30.73	-80.83	21.83	-71.93	30.22
		60	0.42	17.68	1.44	14.87	4.26	-6.15	79.72	-4.58	52.41	22.73	-39.45
70	53	149	0.61	2.65	-3.66	0.04	-1.05	3.11	276.60	-70.27	116.74	89.59	
172.90													
		148	0.41	6.72	0.42	1.71	5.43	-2.55	186.31	-11.16	105.72	69.44	-97.05
		21	1.13	2.75	-11.78	-11.77	2.74	0.28	-121.12	-612.50	-580.62	-152.99	-
121.02													
		60	1.27	-0.87	-15.94	-13.06	-3.74	5.92	-10.47	-618.14	-572.83	-55.78	
159.63													
70	54	149	0.35	-0.16	-0.68	-0.52	-0.31	0.24	136.43	-101.75	2.34	32.35	
118.14													
		148	0.07	2.00	-0.14	0.24	1.61	-0.82	-14.37	-38.63	-17.95	-35.05	-8.60
		21	0.53	1.26	-1.54	-1.53	1.25	0.14	-171.01	-354.87	-339.21	-186.67	-51.33
		60	0.60	0.06	-2.64	-1.91	-0.66	1.20	-14.86	-345.97	-322.08	-38.75	85.67
70	55	149	0.25	1.03	-0.08	0.45	0.50	-0.55	109.73	-51.59	15.87	42.27	79.58
		148	0.18	-0.33	-2.72	-0.53	-2.51	0.67	-2.77	-85.49	-2.89	-85.37	-3.18
		21	0.41	3.55	-1.72	3.53	-1.69	-0.38	-31.44	-224.59	-215.87	-40.16	-40.10
		60	0.41	4.85	0.58	4.13	1.30	-1.60	11.29	-199.14	-193.99	6.14	32.52
70	56	149	0.22	3.84	-2.76	-0.09	1.17	-3.24	-7.61	-107.33	-99.83	-15.11	26.30
		148	0.47	-0.90	-6.96	-1.89	-5.97	2.25	-66.54	-243.65	-126.51	-183.67	83.82
		21	0.37	13.05	-3.02	13.03	-3.00	-0.50	27.84	-79.76	18.11	-70.02	30.86
		60	0.40	17.18	1.41	14.46	4.14	-5.97	74.79	-4.44	48.06	22.29	-37.46
70	57	149	0.61	2.57	-3.56	0.03	-1.02	3.02	276.24	-69.19	117.39	89.66	
172.16													
		148	0.40	6.51	0.40	1.66	5.25	-2.47	184.34	-12.30	105.70	66.34	-96.33
		21	1.12	2.66	-11.41	-11.40	2.65	0.27	-122.34	-609.46	-576.90	-154.90	-
121.66													
		60	1.25	-0.83	-15.44	-12.65	-3.62	5.74	-10.78	-613.04	-568.48	-55.34	
157.64													
70	58	149	0.36	-0.09	-0.77	-0.51	-0.35	0.33	136.85	-102.88	1.69	32.28	
118.89													
		148	0.07	2.21	-0.12	0.30	1.79	-0.90	-13.27	-36.62	-17.93	-31.96	-9.33
		21	0.54	1.35	-1.90	-1.90	1.35	0.15	-169.91	-357.78	-342.93	-184.76	-50.70
		60	0.62	0.03	-3.13	-2.32	-0.78	1.38	-14.55	-351.07	-326.43	-39.19	87.66
70	59	149	0.69	4.29	-4.27	0.96	-0.94	4.17	334.36	-23.89	184.47	126.01	
176.72													
		148	0.56	6.38	0.54	2.02	4.90	-2.54	283.41	-9.87	179.81	93.73	-
140.18													
		21	1.34	1.69	-14.14	-14.14	1.69	0.04	-3.78	-664.38	-628.60	-39.57	-
149.53													
		60	1.40	-1.01	-18.47	-15.31	-4.18	6.73	7.72	-666.08	-623.02	-35.35	
164.82													
70	60	149	0.36	5.84	-5.22	-0.91	1.52	-5.40	-64.54	-197.15	-196.89	-64.79	-5.80
		148	0.74	-1.30	-9.39	-2.87	-7.82	3.20	-88.45	-398.54	-232.42	-254.57	
154.65													
		21	0.86	20.00	-3.28	19.99	-3.28	-0.45	195.82	-171.54	176.12	-151.83	82.76
		60	0.83	25.95	1.99	21.85	6.09	-9.02	242.94	-8.72	212.81	21.41	-81.70
70	61	149	0.81	5.02	-5.55	0.85	-1.38	5.17	384.59	-30.79	214.45	139.34	
204.27													
		148	0.69	8.96	0.77	2.63	7.10	-3.43	345.67	3.17	211.61	137.24	-
167.16													
		21	1.58	2.93	-18.36	-18.36	2.93	0.22	-30.34	-777.66	-734.91	-73.09	-
173.56													
		60	1.69	-1.42	-24.20	-20.05	-5.57	8.79	1.04	-788.73	-733.23	-54.46	
201.87													
70	62	149	0.30	4.56	-4.49	-1.02	1.09	-4.40	-47.50	-170.87	-166.91	-51.46	21.74
		148	0.60	-1.08	-6.80	-2.26	-5.62	2.31	-78.06	-333.62	-200.62	-211.06	
127.67													
		21	0.65	15.78	-2.04	15.77	-2.04	-0.26	82.67	-198.23	69.80	-185.36	58.73
		60	0.53	20.23	1.58	17.11	4.70	-6.95	119.59	-14.69	102.60	2.30	-44.64
70	63	149	0.69	4.26	-4.22	0.97	-0.93	4.13	333.93	-24.13	184.23	125.57	
176.61													
		148	0.56	6.30	0.53	2.00	4.84	-2.51	282.34	-10.20	179.42	92.73	-
139.70													
		21	1.33	1.66	-14.01	-14.01	1.66	0.03	-3.40	-663.32	-627.60	-39.12	-
149.31													
		60	1.40	-1.00	-18.29	-15.16	-4.13	6.66	7.36	-664.99	-621.95	-35.68	
164.58													
70	64	149	0.36	5.88	-5.25	-0.90	1.53	-5.43	-64.97	-197.39	-197.13	-65.23	-5.92
		148	0.74	-1.31	-9.47	-2.89	-7.89	3.23	-88.64	-399.74	-232.81	-255.57	
155.13													

		21	0.86	20.13	-3.32	20.12	-3.31	-0.45	196.89	-171.16	177.12	-151.39	82.98
		60	0.83	26.13	2.00	22.00	6.13	-9.09	243.99	-9.04	213.88	21.08	-81.94
70	65	149	0.81	5.05	-5.60	0.84	-1.39	5.21	385.02	-30.55	214.69	139.78	
204.38													
		148	0.69	9.04	0.78	2.66	7.17	-3.46	346.77	3.47	211.99	138.24	-
167.64													
		21	1.58	2.96	-18.49	-18.49	2.96	0.23	-30.72	-778.73	-735.91	-73.54	-
173.78													
		60	1.70	-1.43	-24.38	-20.20	-5.61	8.86	1.40	-789.82	-734.30	-54.12	
202.11													
70	66	149	0.30	4.51	-4.46	-1.03	1.08	-4.36	-47.03	-170.66	-166.67	-51.02	21.85
		148	0.60	-1.07	-6.72	-2.23	-5.56	2.29	-77.86	-332.43	-200.23	-210.06	
127.19													
		21	0.64	15.64	-2.01	15.64	-2.01	-0.26	81.61	-198.61	68.80	-185.81	58.51
		60	0.53	20.05	1.57	16.97	4.65	-6.89	118.54	-14.38	101.53	2.63	-44.40
70	67	149	0.68	4.02	-3.91	0.93	-0.83	3.87	333.27	-20.41	186.63	126.24	
174.24													
		148	0.55	5.67	0.47	1.84	4.30	-2.29	277.51	-14.36	179.73	83.41	-
137.76													
		21	1.29	1.39	-12.92	-12.92	1.39	-2.50e-03	-8.11	-654.02	-616.20	-45.93	-
151.65													
		60	1.35	-0.90	-16.82	-13.94	-3.78	6.12	6.78	-649.19	-608.52	-33.89	
158.19													
70	68	149	0.35	5.49	-4.95	-0.87	1.41	-5.09	-64.94	-199.13	-199.05	-65.02	-3.33
		148	0.72	-1.23	-8.68	-2.69	-7.22	2.96	-85.96	-390.64	-232.35	-244.25	
152.23													
		21	0.81	18.77	-2.98	18.77	-2.97	-0.41	185.49	-167.25	163.72	-145.47	84.89
		60	0.77	24.29	1.88	20.48	5.69	-8.42	225.70	-7.44	198.31	19.95	-75.07
70	69	149	0.79	4.75	-5.20	0.81	-1.26	4.87	383.52	-27.34	216.61	139.57	
201.79													
		148	0.67	8.25	0.70	2.45	6.50	-3.19	339.31	-0.86	211.53	126.92	-
164.74													
		21	1.53	2.63	-17.14	-17.14	2.63	0.18	-34.58	-767.38	-722.51	-79.45	-
175.68													
		60	1.64	-1.31	-22.54	-18.68	-5.17	8.19	0.04	-771.77	-718.73	-53.00	
195.25													
70	70	149	0.30	4.20	-4.22	-0.99	0.97	-4.09	-46.89	-173.87	-169.07	-51.69	24.22
		148	0.58	-1.01	-6.09	-2.07	-5.02	2.07	-75.40	-325.89	-200.55	-200.74	
125.24													
		21	0.60	14.56	-1.74	14.55	-1.73	-0.22	72.15	-193.74	57.40	-179.00	60.86
		60	0.48	18.57	1.47	15.75	4.30	-6.35	102.34	-13.40	88.10	0.84	-38.01
70	71	149	0.68	3.99	-3.87	0.94	-0.82	3.83	332.84	-20.65	186.39	125.80	
174.13													
		148	0.54	5.60	0.46	1.82	4.24	-2.27	276.46	-14.70	179.35	82.41	-
137.28													
		21	1.29	1.35	-12.79	-12.79	1.35	-6.81e-03	-7.73	-652.95	-615.20	-45.48	-
151.43													
		60	1.34	-0.89	-16.64	-13.80	-3.73	6.06	6.42	-648.09	-607.45	-34.22	
157.95													
70	72	149	0.35	5.53	-4.98	-0.87	1.42	-5.13	-65.37	-199.38	-199.29	-65.46	-3.44
		148	0.72	-1.24	-8.76	-2.71	-7.28	2.98	-86.16	-391.83	-232.74	-245.25	
152.71													
		21	0.81	18.91	-3.01	18.90	-3.01	-0.42	186.56	-166.87	164.72	-145.03	85.11
		60	0.78	24.47	1.89	20.63	5.73	-8.49	226.76	-7.76	199.38	19.61	-75.31
70	73	149	0.79	4.78	-5.24	0.81	-1.27	4.90	383.96	-27.10	216.85	140.01	
201.90													
		148	0.68	8.33	0.71	2.47	6.56	-3.21	340.40	-0.55	211.92	127.92	-
165.22													
		21	1.54	2.66	-17.27	-17.27	2.66	0.19	-34.96	-768.45	-723.51	-79.90	-
175.90													
		60	1.64	-1.32	-22.72	-18.83	-5.21	8.26	0.40	-772.86	-719.80	-52.66	
195.48													
70	74	149	0.30	4.16	-4.19	-1.00	0.96	-4.06	-46.41	-173.67	-168.83	-51.25	24.33
		148	0.58	-1.00	-6.01	-2.05	-4.95	2.04	-75.19	-324.71	-200.16	-199.74	
124.76													
		21	0.60	14.42	-1.70	14.42	-1.70	-0.22	71.08	-194.12	56.40	-179.45	60.64
		60	0.47	18.39	1.46	15.60	4.25	-6.28	101.28	-13.08	87.03	1.17	-37.77
70	75	149	0.26	0.67	0.06	0.36	0.36	-0.31	113.57	-56.43	14.65	42.49	83.85
		148	0.15	-0.25	-1.91	-0.36	-1.81	0.40	-2.73	-75.88	-3.17	-75.45	-5.61
		21	0.41	2.42	-1.29	2.39	-1.26	-0.31	-43.33	-241.43	-232.56	-52.20	-40.97
		60	0.42	3.26	0.47	2.82	0.91	-1.01	9.83	-218.97	-211.89	2.76	39.60
70	76	149	0.22	3.17	-2.30	-0.10	0.98	-2.68	11.48	-96.20	-79.90	-4.82	38.60

		148	0.39	-0.77	-5.76	-1.57	-4.97	1.83	-60.44	-206.73	-105.37	-161.80 67.48
		21	0.26	10.87	-2.51	10.85	-2.50	-0.43	-27.75	-85.33	-33.04	-80.05 16.63
		60	0.26	14.27	1.22	12.04	3.45	-4.92	30.14	-17.97	-4.67	16.84-21.52
70	77	149	0.55	2.10	-2.88	0.04	-0.83	2.45	248.54	-71.70	97.46	79.37
159.86												
		148	0.33	5.31	0.27	1.33	4.25	-2.05	146.98	-17.95	84.55	44.47-80.00
		21	0.99	2.15	-9.23	-9.22	2.15	0.20	-116.67	-553.96	-525.75	-144.88 -
107.42												
		60	1.11	-0.64	-12.53	-10.24	-2.93	4.69	-10.17	-555.46	-515.75	-49.88
141.69												
70	78	149	0.34	-0.19	-0.45	-0.42	-0.22	0.08	133.02	-98.05	2.91	32.06
114.61												
		148	0.08	1.40	-0.19	0.12	1.09	-0.63	-15.82	-43.71	-17.65	-41.88 -6.90
		21	0.50	0.92	-0.76	-0.76	0.92	0.08	-157.97	-340.99	-326.24	-172.73-49.83
		60	0.56	0.14	-1.55	-1.02	-0.39	0.78	-13.78	-330.55	-308.53	-35.81 80.58
70	79	149	0.26	0.76	-8.30e-03	0.36	0.39	-0.38	113.22	-55.49	15.18	42.54 83.24
		148	0.16	-0.27	-2.09	-0.40	-1.96	0.46	-2.85	-78.34	-3.19	-78.01 -5.01
		21	0.41	2.72	-1.36	2.69	-1.34	-0.32	-44.46	-238.79	-229.48	-53.77-41.49
		60	0.42	3.67	0.50	3.16	1.01	-1.16	9.73	-214.91	-208.30	3.12 37.96
70	80	149	0.22	3.08	-2.23	-0.09	0.95	-2.60	11.79	-97.11	-80.44	-4.88 39.21
		148	0.39	-0.75	-5.58	-1.52	-4.82	1.77	-60.19	-204.40	-105.35	-159.24 66.88
		21	0.25	10.56	-2.43	10.55	-2.42	-0.42	-30.04	-84.55	-36.12	-78.47 17.16
		60	0.25	13.86	1.19	11.70	3.35	-4.77	27.51	-19.30	-8.26	16.47-19.87
70	81	149	0.55	2.03	-2.80	0.03	-0.80	2.38	248.23	-70.81	98.00	79.43
159.25												
		148	0.32	5.13	0.25	1.29	4.10	-1.99	145.43	-18.98	84.54	41.91-79.39
		21	0.98	2.08	-8.92	-8.92	2.07	0.19	-117.68	-551.45	-522.68	-146.45 -
107.95												
		60	1.10	-0.61	-12.12	-9.90	-2.83	4.54	-10.43	-551.25	-512.16	-49.52
140.05												
70	82	149	0.34	-0.15	-0.51	-0.42	-0.25	0.15	133.36	-98.98	2.38	32.00
115.22												
		148	0.08	1.58	-0.17	0.17	1.24	-0.69	-15.29	-41.66	-17.63	-39.32 -7.50
		21	0.51	1.00	-1.07	-1.06	0.99	0.09	-157.04	-343.42	-329.31	-171.15-49.30
		60	0.58	0.11	-1.95	-1.36	-0.49	0.93	-13.53	-334.76	-312.12	-36.17 82.22
70	83	149	0.26	0.79	-0.02	0.38	0.39	-0.40	112.27	-57.01	14.00	41.27 83.54
		148	0.16	-0.28	-2.12	-0.41	-1.99	0.47	-3.99	-78.46	-4.23	-78.21 -4.29
		21	0.42	2.78	-1.38	2.75	-1.35	-0.32	-42.27	-238.49	-229.80	-50.96-40.37
		60	0.42	3.75	0.50	3.23	1.02	-1.20	8.81	-215.91	-208.95	1.84 38.94
70	84	149	0.23	3.29	-2.37	-0.09	1.01	-2.78	10.12	-96.71	-80.56	-6.04 38.28
		148	0.40	-0.80	-5.97	-1.63	-5.15	1.90	-60.81	-210.19	-106.44	-164.56 68.81
		21	0.27	11.23	-2.60	11.22	-2.59	-0.44	-24.79	-84.31	-30.29	-78.81 17.23
		60	0.28	14.77	1.24	12.45	3.57	-5.10	30.96	-16.77	-1.72	15.92-22.18
70	85	149	0.56	2.17	-3.00	0.03	-0.86	2.55	249.77	-71.07	98.12	80.59
160.18												
		148	0.34	5.52	0.30	1.39	4.43	-2.12	149.98	-17.12	85.62	47.24-81.32
		21	1.00	2.24	-9.59	-9.59	2.24	0.21	-117.71	-556.92	-528.51	-146.11 -
108.03												
		60	1.13	-0.67	-13.02	-10.64	-3.05	4.87	-9.19	-558.47	-518.70	-48.97
142.35												
70	86	149	0.34	-0.14	-0.54	-0.44	-0.25	0.18	134.30	-97.46	3.56	33.28
114.93												
		148	0.08	1.61	-0.16	0.18	1.27	-0.70	-13.90	-41.80	-16.58	-39.12 -8.22
		21	0.51	1.01	-1.13	-1.13	1.01	0.09	-159.00	-343.96	-328.99	-173.96-50.43
		60	0.58	0.11	-2.04	-1.43	-0.50	0.97	-12.80	-333.57	-311.47	-34.89 81.24
70	87	149	0.26	0.88	-0.08	0.37	0.42	-0.48	111.93	-56.07	14.53	41.33 82.92
		148	0.16	-0.30	-2.30	-0.46	-2.14	0.53	-4.08	-80.95	-4.25	-80.77 -3.69
		21	0.42	3.08	-1.45	3.06	-1.43	-0.33	-43.41	-235.85	-226.73	-52.53-40.89
		60	0.42	4.16	0.52	3.57	1.12	-1.35	8.70	-211.85	-205.35	2.21 37.30
70	88	149	0.23	3.20	-2.30	-0.08	0.98	-2.70	10.43	-97.62	-81.09	-6.09 38.89
		148	0.40	-0.78	-5.80	-1.58	-5.00	1.84	-60.56	-207.86	-106.42	-162.01 68.21
		21	0.26	10.93	-2.52	10.92	-2.51	-0.43	-27.07	-83.52	-33.36	-77.24 17.76
		60	0.26	14.36	1.22	12.11	3.47	-4.95	28.15	-17.91	-5.32	15.56-20.53
70	89	149	0.55	2.10	-2.92	0.02	-0.83	2.47	249.47	-70.18	98.65	80.64
159.57												
		148	0.33	5.34	0.28	1.35	4.28	-2.06	148.41	-18.13	85.60	44.68-80.72
		21	0.99	2.17	-9.29	-9.29	2.16	0.21	-118.71	-554.41	-525.43	-147.69 -
108.55												
		60	1.11	-0.64	-12.61	-10.30	-2.95	4.72	-9.45	-554.26	-515.10	-48.60
140.71												
70	90	149	0.34	-0.09	-0.62	-0.43	-0.28	0.25	134.65	-98.40	3.03	33.22
115.54												

		148	0.07	1.79	-0.14	0.23	1.42	-0.76	-13.23	-39.90	-16.56	-36.56	-8.82
		21	0.52	1.09	-1.43	-1.43	1.08	0.10	-158.08	-346.38	-332.07	-172.39	-49.90
		60	0.59	0.08	-2.44	-1.77	-0.60	1.12	-12.55	-337.77	-315.07	-35.25	82.88
70	91	149	0.62	3.53	-3.50	0.79	-0.77	3.43	296.95	-32.42	153.94	110.59	
163.26													
		148	0.47	5.24	0.40	1.65	3.99	-2.12	230.52	-16.48	146.77	67.27	-
116.93													
		21	1.17	1.37	-11.55	-11.55	1.37	9.85e-03	-20.59	-599.50	-567.94	-52.14	-
131.42													
		60	1.24	-0.79	-15.12	-12.50	-3.41	5.54	5.91	-598.00	-560.01	-32.08	
146.63													
70	92	149	0.28	4.85	-4.34	-0.76	1.27	-4.48	-45.77	-162.56	-161.23	-47.10	12.40
		148	0.62	-1.12	-7.80	-2.39	-6.53	2.63	-79.81	-334.67	-193.90	-220.58	
126.73													
		21	0.65	16.67	-2.75	16.66	-2.74	-0.39	111.41	-159.28	97.11	-144.98	60.56
		60	0.61	21.60	1.69	18.22	5.08	-7.48	154.14	-8.57	130.74	14.83	-57.09
70	93	149	0.71	4.14	-4.57	0.69	-1.13	4.25	338.46	-38.02	178.79	121.65	
186.06													
		148	0.57	7.37	0.59	2.16	5.81	-2.86	281.72	-5.39	173.09	103.25	-
139.24													
		21	1.37	2.39	-15.04	-15.03	2.39	0.16	-42.59	-693.26	-655.90	-79.95	-
151.36													
		60	1.48	-1.12	-19.85	-16.42	-4.56	7.25	0.35	-699.39	-651.17	-47.88	
177.26													
70	94	149	0.28	3.79	-3.73	-0.85	0.91	-3.65	-24.92	-147.50	-136.38	-36.04	35.21
		148	0.50	-0.94	-5.66	-1.88	-4.71	1.89	-71.33	-280.85	-167.59	-184.60	
104.42													
		21	0.49	13.18	-1.72	13.18	-1.71	-0.24	17.81	-181.44	9.15	-172.78	40.63
		60	0.37	16.87	1.36	14.30	3.93	-5.77	52.65	-14.02	39.59	-0.97	-26.46
70	95	149	0.62	3.50	-3.47	0.80	-0.76	3.40	296.59	-32.62	153.75	110.22	
163.16													
		148	0.46	5.18	0.39	1.63	3.94	-2.10	229.65	-16.76	146.45	66.44	-
116.53													
		21	1.17	1.34	-11.44	-11.44	1.34	6.28e-03	-20.27	-598.62	-567.12	-51.77	-
131.24													
		60	1.23	-0.78	-14.97	-12.38	-3.37	5.48	5.61	-597.10	-559.12	-32.36	
146.44													
70	96	149	0.28	4.89	-4.36	-0.75	1.28	-4.51	-46.15	-162.74	-161.42	-47.47	12.31
		148	0.62	-1.12	-7.87	-2.41	-6.58	2.65	-79.96	-335.66	-194.22	-221.40	
127.13													
		21	0.66	16.78	-2.77	16.77	-2.77	-0.39	112.30	-158.97	97.93	-144.61	60.74
		60	0.61	21.75	1.70	18.34	5.11	-7.53	154.99	-8.81	131.63	14.55	-57.28
70	97	149	0.71	4.16	-4.60	0.69	-1.13	4.28	338.82	-37.82	178.98	122.02	
186.15													
		148	0.57	7.43	0.60	2.18	5.86	-2.88	282.62	-5.14	173.41	104.08	-
139.64													
		21	1.37	2.42	-15.15	-15.14	2.42	0.17	-42.91	-694.14	-656.73	-80.32	-
151.54													
		60	1.48	-1.13	-20.00	-16.54	-4.59	7.31	0.65	-700.30	-652.05	-47.60	
177.46													
70	98	149	0.28	3.76	-3.71	-0.86	0.91	-3.63	-24.52	-147.35	-136.19	-35.67	35.30
		148	0.50	-0.93	-5.59	-1.87	-4.66	1.87	-71.17	-279.86	-167.27	-183.77	
104.02													
		21	0.49	13.07	-1.69	13.07	-1.69	-0.23	16.93	-181.76	8.32	-173.15	40.44
		60	0.37	16.72	1.35	14.18	3.89	-5.71	51.83	-13.82	38.70	-0.69	-26.26
70	99	149	0.61	3.30	-3.21	0.76	-0.67	3.18	296.02	-29.52	155.73	110.78	
161.21													
		148	0.45	4.66	0.34	1.50	3.49	-1.92	225.78	-20.32	146.71	58.74	-
114.92													
		21	1.14	1.12	-10.54	-10.54	1.12	-0.02	-24.15	-590.94	-557.70	-57.39	-
133.18													
		60	1.19	-0.70	-13.75	-11.37	-3.08	5.04	5.14	-584.05	-548.03	-30.88	
141.16													
70	100	149	0.28	4.56	-4.11	-0.73	1.17	-4.23	-45.52	-164.79	-163.01	-47.29	14.45
		148	0.60	-1.06	-7.21	-2.24	-6.03	2.43	-77.89	-328.00	-193.84	-212.05	
124.73													
		21	0.62	15.66	-2.49	15.65	-2.49	-0.36	102.87	-155.74	86.86	-139.73	62.32
		60	0.56	20.23	1.60	17.09	4.75	-6.98	139.86	-7.48	118.77	13.62	-51.61
70	101	149	0.70	3.91	-4.27	0.67	-1.03	4.00	337.55	-35.13	180.57	121.84	
184.01													
		148	0.56	6.78	0.53	2.01	5.31	-2.65	276.59	-8.84	173.03	94.72	-
137.24													

		21	1.33	2.14	-14.03	-14.02	2.14	0.13	-46.09	-684.76	-645.66	-85.19	-
153.12													
		60	1.43	-1.03	-18.48	-15.29	-4.23	6.75	-0.47	-685.39	-639.19	-46.67	
171.79													
70	102	149	0.28	3.50	-3.50	-0.82	0.82	-3.40	-24.07	-150.33	-138.17	-36.23	37.25
		148	0.48	-0.88	-5.07	-1.73	-4.21	1.69	-69.30	-274.30	-167.53	-176.07	
102.41													
		21	0.46	12.17	-1.47	12.17	-1.46	-0.21	9.07	-177.71	-1.10	-167.54	42.38
		60	0.32	15.50	1.26	13.17	3.60	-5.27	38.45	-13.01	27.61	-2.17	-20.98
70	103	149	0.60	3.28	-3.17	0.77	-0.66	3.15	295.66	-29.71	155.53	110.41	
161.11													
		148	0.45	4.59	0.33	1.48	3.44	-1.90	224.92	-20.62	146.39	57.91	-
114.53													
		21	1.13	1.09	-10.43	-10.43	1.09	-0.03	-23.83	-590.06	-556.87	-57.02	-
133.00													
		60	1.19	-0.69	-13.60	-11.25	-3.04	4.99	4.85	-583.14	-547.14	-31.15	
140.96													
70	104	149	0.28	4.60	-4.14	-0.72	1.18	-4.26	-45.90	-164.96	-163.21	-47.66	14.35
		148	0.60	-1.06	-7.28	-2.26	-6.08	2.45	-78.05	-328.99	-194.16	-212.88	
125.12													
		21	0.62	15.77	-2.52	15.76	-2.51	-0.36	103.75	-155.43	87.69	-139.36	62.50
		60	0.57	20.38	1.61	17.21	4.78	-7.03	140.72	-7.73	119.65	13.35	-51.81
70	105	149	0.70	3.93	-4.31	0.66	-1.04	4.03	337.91	-34.93	180.77	122.21	
184.11													
		148	0.56	6.85	0.54	2.02	5.36	-2.67	277.47	-8.58	173.35	95.55	-
137.63													
		21	1.34	2.17	-14.13	-14.13	2.17	0.14	-46.40	-685.64	-646.48	-85.56	-
153.30													
		60	1.43	-1.04	-18.63	-15.41	-4.26	6.81	-0.17	-686.29	-640.07	-46.39	
171.98													
70	106	149	0.28	3.46	-3.48	-0.83	0.81	-3.37	-23.66	-150.17	-137.97	-35.86	37.35
		148	0.48	-0.87	-5.00	-1.72	-4.16	1.67	-69.13	-273.32	-167.21	-175.24	
102.01													
		21	0.45	12.06	-1.44	12.06	-1.44	-0.20	8.19	-178.02	-1.92	-167.91	42.20
		60	0.32	15.35	1.26	13.05	3.56	-5.21	37.65	-12.82	26.72	-1.90	-20.78
71	1	148	0.08	0.07	9.17e-03	9.37e-03	0.07	3.38e-03	-10.53	-49.63	-36.83	-23.33	-18.34
		150	0.09	0.04	3.58e-03	3.90e-03	0.04	3.38e-03	18.76	-43.87	-30.99	5.88	-25.31
		105	0.09	0.02	-0.10	-0.10	0.02	3.38e-03	5.62	-52.06	-48.76	2.32	-13.40
		21	0.08	0.05	-0.10	-0.10	0.05	3.38e-03	-25.47	-56.02	-54.60	-26.88	-6.43
71	2	148	0.34	-0.16	-1.19	-0.35	-0.99	0.40	-76.83	-227.75	-146.28	-158.30	-75.22
		150	0.37	0.64	-0.30	-0.07	0.41	0.40	68.57	-173.02	-112.93	8.48	-
104.43													
		105	0.36	2.67	0.84	2.57	0.94	0.40	0.63	-194.44	-187.40	-6.42	-36.39
		21	0.36	2.35	-0.52	2.29	-0.46	0.40	-172.13	-221.82	-220.76	-173.19	-7.18
71	3	148	0.05	0.07	0.01	0.01	0.07	-4.93e-03	-6.71	-34.96	-26.27	-15.40	-13.04
		150	0.07	0.02	3.23e-03	4.45e-03	0.02	-4.93e-03	13.50	-31.32	-22.29	4.47	-17.98
		105	0.07	-3.27e-03	-0.13	-0.13	-3.47e-03	-4.93e-03	4.43	-37.37	-34.89	1.95	-9.87
		21	0.06	0.04	-0.12	-0.12	0.04	-4.93e-03	-16.82	-39.97	-38.87	-17.92	-4.93
71	4	148	0.32	-0.16	-1.17	-0.35	-0.99	0.39	-72.74	-213.34	-135.72	-150.37	-69.92
		150	0.34	0.62	-0.30	-0.07	0.39	0.39	63.34	-160.49	-104.23	7.07	-97.10
		105	0.34	2.64	0.83	2.54	0.92	0.39	-0.54	-179.77	-173.53	-6.79	-32.86
		21	0.34	2.32	-0.52	2.27	-0.46	0.39	-163.45	-205.80	-205.02	-164.23	-5.68
71	5	148	0.06	0.06	0.01	0.01	0.06	-6.77e-04	-7.50	-36.77	-27.44	-16.84	-13.64
		150	0.07	0.03	3.61e-03	3.63e-03	0.03	-6.77e-04	14.02	-32.69	-23.17	4.50	-18.82
		105	0.07	6.34e-03	-0.10	-0.10	6.33e-03	-6.77e-04	4.37	-38.88	-36.37	1.86	-10.12
		21	0.06	0.04	-0.09	-0.09	0.04	-6.77e-04	-18.38	-41.73	-40.64	-19.48	-4.94
71	6	148	0.23	-0.10	-0.78	-0.23	-0.65	0.27	-51.95	-155.27	-100.40	-106.82	-51.56
		150	0.25	0.42	-0.20	-0.05	0.27	0.27	47.21	-118.77	-77.79	6.23	-71.57
		105	0.25	1.74	0.56	1.68	0.62	0.27	1.02	-133.78	-128.80	-3.97	-25.44
		21	0.25	1.54	-0.34	1.50	-0.30	0.27	-116.18	-152.25	-151.41	-117.02	-5.44
71	7	148	0.06	0.06	0.01	0.01	0.06	-6.77e-04	-7.50	-36.77	-27.44	-16.84	-13.64
		150	0.07	0.03	3.61e-03	3.63e-03	0.03	-6.77e-04	14.02	-32.69	-23.17	4.50	-18.82
		105	0.07	6.34e-03	-0.10	-0.10	6.33e-03	-6.77e-04	4.37	-38.88	-36.37	1.86	-10.12
		21	0.06	0.04	-0.09	-0.09	0.04	-6.77e-04	-18.38	-41.73	-40.64	-19.48	-4.94
71	8	148	0.18	-0.07	-0.53	-0.16	-0.43	0.19	-38.97	-119.36	-78.51	-79.82	-40.19
		150	0.20	0.30	-0.14	-0.03	0.20	0.19	37.22	-92.91	-61.40	5.71	-55.74
		105	0.19	1.19	0.39	1.15	0.44	0.19	2.00	-105.29	-101.07	-2.22	-20.84
		21	0.19	1.05	-0.23	1.02	-0.20	0.19	-86.86	-119.07	-118.18	-87.76	-5.29
71	9	148	0.06	0.06	0.01	0.01	0.06	-6.77e-04	-7.50	-36.77	-27.44	-16.84	-13.64
		150	0.07	0.03	3.61e-03	3.63e-03	0.03	-6.77e-04	14.02	-32.69	-23.17	4.50	-18.82
		105	0.07	6.34e-03	-0.10	-0.10	6.33e-03	-6.77e-04	4.37	-38.88	-36.37	1.86	-10.12
		21	0.06	0.04	-0.09	-0.09	0.04	-6.77e-04	-18.38	-41.73	-40.64	-19.48	-4.94

71	10	148	0.16	-0.05	-0.44	-0.13	-0.36	0.16	-34.62	-107.42	-71.22	-70.83-36.40
		150	0.18	0.26	-0.11	-0.03	0.17	0.16	33.89	-84.29	-55.94	5.54-50.47
		105	0.18	1.01	0.33	0.97	0.37	0.16	2.32	-95.79	-91.83	-1.64-19.31
		21	0.17	0.89	-0.19	0.86	-0.16	0.16	-77.09	-108.01	-107.10	-78.00 -5.24
71	11	148	0.24	-0.83	-3.38	-1.44	-2.77	-1.09	-44.98	-126.46	-61.21	-110.23-32.55
		150	0.16	2.90	-3.15	-0.77	0.52	2.95	25.99	-50.44	-45.46	21.00-18.87
		105	0.28	12.29	1.03	10.53	2.80	4.09	3.08	-81.36	-15.38	-62.91-34.90
		21	0.24	9.88	-0.52	9.86	-0.51	0.36	-24.93	-85.13	-25.76	-84.29 7.04
71	12	148	0.47	-1.47	-9.16	-3.07	-7.56	-3.12	74.46	-201.88	60.06	-187.48 61.42
		150	0.68	5.68	-6.14	-1.38	0.92	5.80	288.66	-45.23	112.73	130.70 -
166.70												
		105	1.23	26.29	1.70	22.34	5.64	9.02	-18.83	-499.60	-473.72	-44.71 -
108.50												
		21	1.18	20.66	-2.84	20.65	-2.83	0.27	-189.47	-614.97	-520.93	-283.51
176.55												
71	13	148	0.61	8.80	0.83	2.80	6.83	3.44	104.50	-261.16	-202.49	45.83 -
134.21												
		150	0.49	5.94	-5.18	1.33	-0.57	-5.48	-87.97	-256.27	-224.62	-119.62 65.77
		105	0.88	-0.99	-24.31	-20.41	-4.90	-8.70	308.36	23.15	290.07	41.44 69.88
		21	0.93	2.50	-18.93	-18.93	2.50	0.05	424.51	9.73	306.73	127.51 -
187.03												
71	14	148	0.21	3.08	0.14	1.17	2.05	1.40	-9.00	-103.65	-81.22	-31.43-40.24
		150	0.33	2.95	-2.40	0.72	-0.18	-2.64	48.62	-124.96	-66.43	-9.92-82.06
		105	0.48	-0.33	-10.31	-8.59	-2.05	-3.77	59.70	-168.34	-168.28	59.64 -3.73
		21	0.41	0.18	-8.14	-8.14	0.18	-0.04	-69.14	-191.01	-188.44	-71.71-17.52
71	15	148	0.24	-0.86	-3.68	-1.53	-3.01	-1.20	-45.37	-128.53	-60.17	-113.73-31.81
		150	0.16	3.09	-3.34	-0.81	0.56	3.14	29.14	-47.57	-42.94	24.51-18.26
		105	0.28	13.16	1.09	11.27	2.99	4.39	6.89	-61.24	-13.16	-41.18-31.05
		21	0.26	10.56	-0.59	10.55	-0.58	0.37	-23.29	-89.94	-25.08	-88.15 10.77
71	16	148	0.46	-1.44	-8.86	-2.97	-7.33	-3.01	73.33	-198.29	59.02	-183.98 60.68
		150	0.68	5.49	-5.94	-1.34	0.89	5.61	286.23	-48.83	110.22	127.19 -
167.31												
		105	1.21	25.41	1.65	21.60	5.45	8.72	-37.64	-504.74	-475.94	-66.44 -
112.35												
		21	1.17	19.97	-2.76	19.97	-2.76	0.27	-189.68	-611.60	-521.62	-279.66
172.82												
71	17	148	0.60	8.50	0.80	2.70	6.60	3.32	101.19	-260.31	-201.45	42.33 -
133.47												
		150	0.48	5.74	-4.99	1.29	-0.54	-5.29	-84.17	-254.04	-222.10	-116.11 66.38
		105	0.87	-0.94	-23.43	-19.66	-4.71	-8.40	313.96	41.50	292.28	63.17 73.72
		21	0.92	2.43	-18.25	-18.25	2.43	0.05	420.57	10.49	307.42	123.65 -
183.30												
71	18	148	0.21	3.37	0.17	1.26	2.28	1.52	-5.92	-104.26	-82.26	-27.92-40.99
		150	0.33	3.14	-2.59	0.76	-0.21	-2.83	46.02	-128.40	-68.94	-13.43-82.68
		105	0.47	-0.38	-11.19	-9.33	-2.24	-4.08	38.18	-170.76	-170.49	37.91 -7.57
		21	0.42	0.25	-8.83	-8.83	0.25	-0.05	-64.24	-192.74	-189.12	-67.86-21.25
71	19	148	0.24	-0.86	-3.74	-1.55	-3.06	-1.23	-45.73	-127.86	-60.24	-113.35-31.32
		150	0.17	3.13	-3.39	-0.82	0.56	3.19	29.56	-48.20	-43.00	24.37-19.42
		105	0.30	13.35	1.10	11.43	3.02	4.45	0.94	-82.11	-17.20	-63.96-34.32
		21	0.25	10.71	-0.61	10.70	-0.60	0.35	-27.58	-91.85	-29.68	-89.75 11.42
71	20	148	0.48	-1.50	-9.52	-3.18	-7.85	-3.26	75.76	-205.34	61.03	-190.60 62.64
		150	0.69	5.91	-6.38	-1.43	0.95	6.03	292.14	-42.89	115.19	134.07 -
167.25												
		105	1.25	27.35	1.77	23.25	5.87	9.39	-20.19	-501.13	-475.55	-45.77 -
107.92												
		21	1.20	21.50	-2.93	21.49	-2.92	0.26	-190.94	-622.88	-524.84	-288.97
180.93												
71	21	148	0.62	9.16	0.86	2.91	7.12	3.58	107.87	-262.38	-203.46	48.95 -
135.44												
		150	0.50	6.18	-5.41	1.37	-0.61	-5.71	-90.73	-259.32	-227.07	-122.99 66.31
		105	0.90	-1.06	-25.37	-21.31	-5.12	-9.07	309.86	24.53	291.90	42.49 69.30
		21	0.95	2.60	-19.77	-19.77	2.60	0.05	432.82	10.79	310.64	132.97 -
191.41												
71	22	148	0.21	3.44	0.17	1.28	2.33	1.54	-5.79	-104.70	-82.19	-28.30-41.47
		150	0.33	3.19	-2.63	0.77	-0.21	-2.87	45.04	-127.21	-68.88	-13.28-81.52
		105	0.49	-0.39	-11.37	-9.49	-2.27	-4.14	60.77	-166.53	-166.45	60.69 -4.31
		21	0.42	0.27	-8.98	-8.98	0.27	-0.03	-62.33	-188.45	-184.52	-66.25-21.90
71	23	148	0.25	-0.89	-4.04	-1.64	-3.29	-1.34	-46.00	-130.05	-59.20	-116.85-30.58
		150	0.17	3.32	-3.59	-0.86	0.59	3.38	32.71	-45.32	-40.49	27.88-18.81
		105	0.30	14.23	1.16	12.17	3.21	4.76	4.77	-61.99	-14.99	-42.23-30.47
		21	0.27	11.40	-0.68	11.39	-0.67	0.36	-25.61	-96.98	-28.99	-93.61 15.15
71	24	148	0.47	-1.47	-9.22	-3.08	-7.61	-3.15	74.63	-201.74	59.99	-187.10 61.90

		150	0.69	5.72	-6.19	-1.39	0.92	5.84	289.71	-46.49	112.67	130.55	-
167.86													
		105	1.23	26.47	1.71	22.51	5.68	9.08	-39.02	-506.24	-477.76	-67.50	-
111.77													
		21	1.19	20.81	-2.85	20.81	-2.85	0.26	-191.20	-619.45	-525.53	-285.12	
177.20													
71	25	148	0.61	8.87	0.83	2.81	6.88	3.46	104.55	-261.52	-202.42	45.45	-
134.69													
		150	0.49	5.98	-5.22	1.33	-0.57	-5.52	-86.93	-257.10	-224.56	-119.47	66.93
		105	0.89	-1.01	-24.49	-20.57	-4.93	-8.76	315.41	42.92	294.11	64.22	73.14
		21	0.94	2.52	-19.08	-19.08	2.52	0.06	428.85	11.60	311.33	129.11	-
187.68													
71	26	148	0.22	3.73	0.21	1.37	2.57	1.66	-2.68	-105.35	-83.23	-24.80	-42.21
		150	0.34	3.39	-2.82	0.81	-0.24	-3.06	42.45	-130.64	-71.39	-16.80	-82.13
		105	0.49	-0.45	-12.25	-10.23	-2.46	-4.44	39.28	-168.98	-168.66	38.96	-8.15
		21	0.44	0.34	-9.67	-9.67	0.34	-0.04	-57.26	-190.34	-185.21	-62.40	-25.63
71	27	148	0.74	7.62	0.49	1.94	6.18	2.87	119.54	-337.15	-252.14	34.52	-
177.76													
		150	0.76	3.52	-3.18	0.67	-0.32	-3.31	-28.94	-419.98	-292.72	-156.20	
183.22													
		105	1.36	-0.45	-16.85	-14.09	-3.22	-6.14	637.48	-58.83	626.27	-47.62	87.65
		21	1.42	3.27	-12.81	-12.81	3.26	0.35	786.79	103.76	668.30	222.26	-
258.64													
71	28	148	0.71	-1.61	-11.65	-3.48	-9.78	-3.91	195.90	-266.80	152.09	-222.99	
135.47													
		150	1.14	6.10	-6.45	-1.35	1.00	6.16	531.83	-87.78	234.58	209.47	-
309.55													
		105	2.03	29.81	1.77	25.30	6.27	10.30	39.47	-927.98	-901.55	13.04	-
157.70													
		21	1.99	23.17	-4.49	23.17	-4.49	0.06	-303.50	-1120.55	-982.25	-441.81	
306.39													
71	29	148	0.90	11.27	1.00	3.21	9.06	4.23	173.93	-387.11	-294.52	81.34	-
208.26													
		150	0.93	6.25	-5.60	1.30	-0.65	-5.84	-51.07	-493.79	-346.47	-198.39	
208.61													
		105	1.68	-1.06	-27.83	-23.37	-5.52	-9.98	736.73	-35.14	717.90	-16.31	
119.08													
		21	1.74	4.16	-21.45	-21.44	4.16	0.26	925.10	128.75	768.05	285.80	-
316.86													
71	30	148	0.55	-1.09	-8.02	-2.21	-6.90	-2.55	144.11	-210.58	109.71	-176.17	
104.97													
		150	0.97	3.67	-3.72	-0.72	0.67	3.63	458.29	-110.18	180.83	167.28	-
284.16													
		105	1.71	18.83	1.16	16.02	3.96	6.46	62.62	-828.19	-809.92	44.34	-
126.27													
		21	1.67	14.53	-3.59	14.53	-3.59	-0.04	-276.62	-984.14	-882.50	-378.27	
248.16													
71	31	148	0.73	7.52	0.48	1.91	6.09	2.83	118.55	-336.80	-251.84	33.59	-
177.39													
		150	0.76	3.45	-3.11	0.65	-0.31	-3.24	-28.17	-419.00	-291.98	-155.19	
183.05													
		105	1.36	-0.43	-16.53	-13.82	-3.15	-6.03	636.98	-59.19	625.72	-47.93	87.82
		21	1.41	3.24	-12.56	-12.55	3.23	0.35	784.55	103.20	667.12	220.62	-
257.33													
71	32	148	0.71	-1.62	-11.76	-3.52	-9.87	-3.95	196.29	-267.84	152.38	-223.93	
135.83													
		150	1.14	6.17	-6.52	-1.37	1.01	6.23	532.86	-87.06	235.32	210.48	-
309.71													
		105	2.03	30.13	1.79	25.58	6.34	10.41	39.09	-928.47	-902.10	12.72	-
157.53													
		21	2.00	23.42	-4.52	23.42	-4.52	0.05	-304.08	-1122.79	-983.42	-443.44	
307.70													
71	33	148	0.90	11.38	1.01	3.25	9.14	4.27	174.93	-387.47	-294.81	82.28	-
208.63													
		150	0.93	6.32	-5.67	1.31	-0.66	-5.91	-51.83	-494.77	-347.20	-199.40	
208.77													
		105	1.68	-1.08	-28.15	-23.64	-5.59	-10.09	737.22	-34.77	718.45	-16.00	
118.91													
		21	1.75	4.19	-21.70	-21.70	4.19	0.26	927.41	129.25	769.22	287.44	-
318.18													
71	34	148	0.55	-1.08	-7.91	-2.18	-6.82	-2.51	143.72	-209.54	109.41	-175.24	
104.60													

		150	0.97	3.60	-3.65	-0.71	0.66	3.56	457.26	-110.89	180.10	166.27	-
283.99													
		105	1.71	18.51	1.14	15.75	3.90	6.35	62.99	-827.70	-809.37	44.66	-
126.44													
		21	1.67	14.28	-3.56	14.28	-3.56	-0.03	-275.97	-981.98	-881.32	-376.63	
246.85													
71	35	148	0.71	6.63	0.39	1.63	5.39	2.49	108.80	-334.63	-248.68	22.84	-
175.29													
		150	0.74	2.87	-2.54	0.54	-0.21	-2.68	-16.40	-412.43	-284.34	-144.49	
185.26													
		105	1.29	-0.27	-13.94	-11.62	-2.59	-5.13	649.79	8.66	633.65	24.81	
100.46													
		21	1.38	3.03	-10.53	-10.52	3.02	0.37	777.34	102.67	670.59	209.41	-
246.22													
71	36	148	0.68	-1.51	-10.66	-3.17	-9.00	-3.53	192.44	-255.12	148.63	-211.31	
132.99													
		150	1.12	5.46	-5.79	-1.22	0.89	5.53	523.89	-99.93	226.20	197.76	-
311.58													
		105	1.96	26.89	1.58	22.83	5.64	9.29	-26.44	-941.88	-908.93	-59.39	-
170.52													
		21	1.95	20.88	-4.25	20.88	-4.25	0.04	-302.30	-1111.20	-984.54	-428.96	
293.96													
71	37	148	0.88	10.28	0.89	2.90	8.27	3.85	162.94	-384.34	-291.06	69.66	-
205.78													
		150	0.91	5.59	-4.97	1.17	-0.54	-5.21	-38.54	-486.22	-338.09	-186.67	
210.65													
		105	1.61	-0.88	-24.91	-20.90	-4.89	-8.97	750.34	31.06	725.28	56.12	
131.90													
		21	1.70	3.92	-19.16	-19.16	3.92	0.28	914.75	128.54	770.34	272.95	-
304.44													
71	38	148	0.52	-0.98	-7.04	-1.90	-6.12	-2.17	140.67	-198.92	106.25	-164.50	
102.49													
		150	0.95	3.04	-3.07	-0.59	0.56	3.00	450.33	-122.31	172.45	155.57	-
286.19													
		105	1.64	15.91	0.97	13.55	3.33	5.45	-4.29	-841.09	-817.30	-28.09	-
139.09													
		21	1.63	12.24	-3.35	12.24	-3.35	-0.05	-274.37	-975.83	-884.79	-365.41	
235.74													
71	39	148	0.71	6.52	0.38	1.59	5.31	2.45	107.81	-334.28	-248.38	21.91	-
174.92													
		150	0.74	2.80	-2.47	0.53	-0.20	-2.61	-15.63	-411.45	-283.60	-143.48	
185.09													
		105	1.28	-0.25	-13.62	-11.34	-2.52	-5.02	649.31	8.29	633.10	24.50	
100.64													
		21	1.37	3.00	-10.28	-10.27	2.99	0.37	775.13	102.06	669.42	207.77	-
244.90													
71	40	148	0.69	-1.52	-10.77	-3.20	-9.09	-3.57	192.83	-256.15	148.92	-212.25	
133.36													
		150	1.12	5.53	-5.87	-1.24	0.90	5.60	524.92	-99.22	226.94	198.76	-
311.75													
		105	1.97	27.21	1.60	23.11	5.71	9.40	-26.83	-942.36	-909.48	-59.71	-
170.34													
		21	1.96	21.13	-4.28	21.13	-4.28	0.04	-302.91	-1113.40	-985.72	-430.59	
295.27													
71	41	148	0.88	10.39	0.90	2.93	8.36	3.89	163.94	-384.69	-291.35	70.60	-
206.15													
		150	0.91	5.67	-5.03	1.18	-0.55	-5.28	-39.31	-487.20	-338.82	-187.68	
210.81													
		105	1.62	-0.90	-25.23	-21.17	-4.96	-9.08	750.82	31.45	725.83	56.43	
131.72													
		21	1.70	3.95	-19.41	-19.41	3.95	0.28	917.03	129.07	771.52	274.59	-
305.75													
71	42	148	0.52	-0.97	-6.93	-1.86	-6.03	-2.13	140.28	-197.89	105.95	-163.56	
102.13													
		150	0.95	2.97	-3.00	-0.58	0.55	2.93	449.30	-123.02	171.72	154.56	-
286.03													
		105	1.63	15.60	0.95	13.28	3.27	5.34	-3.91	-840.61	-816.75	-27.77	-
139.26													
		21	1.62	11.99	-3.32	11.99	-3.32	-0.05	-273.68	-973.72	-883.62	-363.78	
234.43													
71	43	148	0.22	-0.73	-2.71	-1.17	-2.27	-0.82	-44.08	-121.21	-63.61	-101.68	-33.54
		150	0.16	2.35	-2.51	-0.62	0.46	2.37	26.31	-56.35	-47.76	17.72	-25.23

		105	0.25	9.92	0.89	8.52	2.29	3.27	-7.45	-72.52	-30.32	-49.66-31.07
		21	0.19	7.99	-0.45	7.97	-0.43	0.32	-41.48	-83.38	-41.97	-82.90 4.48
71	44	148	0.38	-1.23	-7.27	-2.45	-6.05	-2.43	40.69	-171.09	32.47	-162.87 40.91
		150	0.57	4.53	-4.87	-1.10	0.76	4.61	234.15	-51.91	77.59	104.65 -
142.39												
		105	1.01	20.95	1.41	17.84	4.53	7.15	-14.28	-414.59	-393.54	-35.33-89.36
		21	0.96	16.48	-2.28	16.48	-2.27	0.25	-168.36	-506.83	-434.38	-240.80
138.82												
71	45	148	0.51	6.91	0.59	2.18	5.32	2.75	73.30	-226.99	-174.90	21.22 -
113.70												
		150	0.38	4.67	-4.04	1.04	-0.41	-4.29	-78.13	-204.91	-189.48	-93.57 41.45
		105	0.66	-0.71	-18.97	-15.90	-3.78	-6.84	223.34	18.60	209.89	32.06 50.74
		21	0.71	1.94	-14.76	-14.76	1.94	0.07	316.42	-11.44	220.18	84.80 -
149.30												
71	46	148	0.19	2.40	0.03	0.90	1.54	1.14	-15.60	-103.19	-78.83	-39.97-39.25
		150	0.29	2.31	-1.85	0.56	-0.11	-2.05	45.60	-116.36	-64.12	-6.64-75.71
		105	0.41	-0.18	-7.94	-6.58	-1.54	-2.95	46.67	-153.62	-153.34	46.38 -7.56
		21	0.35	0.11	-6.25	-6.25	0.11	2.36e-03	-70.90	-174.44	-172.23	-73.11-14.96
71	47	148	0.22	-0.75	-2.94	-1.24	-2.45	-0.91	-44.63	-122.62	-62.78	-104.47-32.95
		150	0.17	2.50	-2.66	-0.65	0.48	2.52	28.72	-53.99	-45.77	20.50-24.74
		105	0.25	10.61	0.93	9.10	2.44	3.51	-2.45	-58.64	-28.56	-32.53-28.02
		21	0.20	8.52	-0.50	8.51	-0.49	0.32	-40.22	-87.16	-41.42	-85.95 7.44
71	48	148	0.37	-1.20	-7.04	-2.38	-5.86	-2.34	39.78	-168.22	31.65	-160.08 40.32
		150	0.56	4.38	-4.72	-1.07	0.73	4.46	232.21	-54.74	75.60	101.86 -
142.87												
		105	0.99	20.27	1.37	17.25	4.38	6.92	-29.14	-418.61	-395.29	-52.46-92.40
		21	0.95	15.94	-2.22	15.94	-2.22	0.24	-168.46	-504.21	-434.93	-237.74
135.87												
71	49	148	0.50	6.68	0.56	2.11	5.14	2.66	70.70	-226.35	-174.08	18.43 -
113.11												
		150	0.37	4.51	-3.89	1.01	-0.39	-4.14	-75.13	-203.14	-187.49	-90.78 41.94
		105	0.65	-0.66	-18.29	-15.32	-3.63	-6.60	227.83	33.00	211.64	49.19 53.78
		21	0.70	1.89	-14.22	-14.22	1.89	0.07	313.24	-10.78	220.73	81.74 -
146.35												
71	50	148	0.20	2.63	0.06	0.97	1.72	1.23	-13.27	-103.56	-79.65	-37.18-39.84
		150	0.30	2.46	-2.00	0.59	-0.13	-2.20	43.53	-119.06	-66.11	-9.42-76.19
		105	0.41	-0.23	-8.63	-7.16	-1.69	-3.19	29.86	-155.70	-155.09	29.25-10.60
		21	0.36	0.16	-6.79	-6.79	0.16	-1.94e-03	-67.02	-175.81	-172.78	-70.05-17.91
71	51	148	0.22	-0.75	-2.99	-1.25	-2.49	-0.93	-44.90	-122.02	-62.86	-104.06-32.60
		150	0.17	2.53	-2.70	-0.66	0.48	2.55	29.12	-54.57	-45.81	20.35-25.63
		105	0.26	10.75	0.94	9.22	2.47	3.55	-9.13	-72.77	-31.57	-50.32-30.41
		21	0.20	8.64	-0.52	8.63	-0.51	0.31	-43.51	-88.65	-44.96	-87.20 7.96
71	52	148	0.39	-1.25	-7.55	-2.54	-6.27	-2.54	41.68	-173.71	33.22	-165.25 41.85
		150	0.57	4.71	-5.06	-1.13	0.79	4.79	236.88	-50.05	79.55	107.28 -
142.79												
		105	1.02	21.78	1.47	18.54	4.71	7.44	-15.26	-415.53	-394.79	-35.99-88.70
		21	0.98	17.14	-2.35	17.13	-2.34	0.24	-169.51	-512.97	-437.37	-245.10
142.30												
71	53	148	0.52	7.19	0.61	2.27	5.54	2.86	75.86	-227.91	-175.65	23.59 -
114.65												
		150	0.38	4.86	-4.21	1.08	-0.44	-4.47	-80.42	-207.21	-191.43	-96.20 41.85
		105	0.68	-0.76	-19.80	-16.60	-3.96	-7.12	224.24	19.63	211.14	32.72 50.08
		21	0.73	2.02	-15.41	-15.41	2.02	0.08	322.97	-10.70	223.17	89.10 -
152.78												
71	54	148	0.20	2.68	0.06	0.98	1.76	1.25	-13.23	-103.93	-79.57	-37.59-40.20
		150	0.30	2.50	-2.03	0.60	-0.13	-2.23	42.81	-118.16	-66.08	-9.27-75.31
		105	0.42	-0.24	-8.77	-7.29	-1.72	-3.23	47.38	-152.42	-152.08	47.05 -8.21
		21	0.36	0.18	-6.90	-6.90	0.18	0.01	-65.53	-172.52	-169.24	-68.81-18.43
71	55	148	0.23	-0.78	-3.22	-1.33	-2.67	-1.02	-45.37	-123.51	-62.04	-106.85-32.01
		150	0.17	2.67	-2.85	-0.69	0.51	2.70	31.53	-52.21	-43.82	23.14-25.15
		105	0.26	11.43	0.99	9.81	2.61	3.79	-4.09	-58.92	-29.82	-33.19-27.36
		21	0.21	9.18	-0.57	9.17	-0.56	0.31	-41.95	-92.72	-44.42	-90.26 10.91
71	56	148	0.38	-1.23	-7.32	-2.46	-6.08	-2.45	40.77	-170.84	32.39	-162.46 41.27
		150	0.57	4.56	-4.90	-1.10	0.76	4.64	234.93	-52.88	77.56	104.50 -
143.28												
		105	1.01	21.09	1.42	17.96	4.56	7.20	-30.15	-419.52	-396.55	-53.12-91.75
		21	0.97	16.60	-2.29	16.59	-2.29	0.24	-169.66	-510.30	-437.92	-242.05
139.35												
71	57	148	0.51	6.96	0.59	2.19	5.36	2.77	73.25	-227.26	-174.82	20.81 -
114.06												
		150	0.38	4.70	-4.06	1.05	-0.41	-4.32	-77.42	-205.44	-189.44	-93.42 42.34
		105	0.66	-0.72	-19.11	-16.02	-3.81	-6.88	228.67	34.07	212.89	49.85 53.12

		21	0.72	1.96	-14.87	-14.87	1.96	0.08	319.76	-10.00	223.72	86.04	-
149.82													
71	58	148	0.20	2.91	0.09	1.06	1.95	1.34	-10.88	-104.32	-80.39	-34.81	-40.78
		150	0.30	2.65	-2.18	0.63	-0.16	-2.38	40.74	-120.86	-68.07	-12.06	-75.79
		105	0.42	-0.28	-9.45	-7.87	-1.87	-3.47	30.60	-154.52	-153.83	29.92	-11.26
		21	0.37	0.23	-7.44	-7.44	0.23	5.73e-03	-61.52	-174.01	-169.78	-65.75	-21.39
71	59	148	0.61	5.98	0.32	1.50	4.80	2.30	86.02	-287.95	-214.65	12.71	-
148.46													
		150	0.59	2.76	-2.44	0.52	-0.20	-2.57	-35.39	-330.87	-243.61	-122.65	
134.80													
		105	1.04	-0.27	-13.07	-10.89	-2.45	-4.80	485.73	-45.98	477.51	-37.77	65.57
		21	1.10	2.55	-9.91	-9.91	2.54	0.31	603.38	64.24	507.60	160.02	-
206.07													
71	60	148	0.56	-1.34	-9.24	-2.78	-7.80	-3.05	135.99	-221.62	105.61	-191.23	99.71
		150	0.93	4.85	-5.11	-1.07	0.81	4.89	426.44	-85.08	174.24	167.11	-
255.74													
		105	1.64	23.71	1.46	20.16	5.02	8.15	31.65	-754.90	-733.23	9.98	-
128.74													
		21	1.61	18.45	-3.58	18.45	-3.58	0.08	-258.51	-908.27	-800.45	-366.33	
241.73													
71	61	148	0.74	8.86	0.72	2.51	7.08	3.37	128.59	-327.05	-248.04	49.58	-
172.50													
		150	0.72	4.91	-4.35	1.02	-0.46	-4.57	-53.17	-388.99	-286.13	-156.03	
154.80													
		105	1.29	-0.75	-21.73	-18.22	-4.27	-7.84	563.65	-27.33	549.57	-13.25	90.11
		21	1.35	3.26	-16.73	-16.72	3.26	0.24	712.83	83.74	586.25	210.33	-
252.21													
71	62	148	0.43	-0.92	-6.38	-1.77	-5.53	-1.98	95.16	-177.31	72.22	-154.37	75.66
		150	0.80	2.94	-2.96	-0.58	0.55	2.89	368.46	-103.01	131.73	133.73	-
235.73													
		105	1.39	15.04	0.98	12.83	3.19	5.12	49.77	-676.44	-661.17	34.49	-
104.20													
		21	1.35	11.63	-2.87	11.63	-2.87	8.79e-03	-237.09	-800.73	-721.80	-316.02	
195.60													
71	63	148	0.61	5.89	0.32	1.48	4.73	2.26	85.26	-287.68	-214.42	12.00	-
148.17													
		150	0.58	2.70	-2.39	0.51	-0.20	-2.52	-34.77	-330.12	-243.03	-121.86	
134.67													
		105	1.04	-0.26	-12.82	-10.68	-2.39	-4.72	485.40	-46.23	477.14	-37.97	65.77
		21	1.10	2.53	-9.72	-9.71	2.52	0.31	601.62	63.81	506.70	158.73	-
205.03													
71	64	148	0.56	-1.35	-9.33	-2.80	-7.87	-3.08	136.29	-222.41	105.83	-191.95	
100.00													
		150	0.93	4.90	-5.17	-1.08	0.82	4.94	427.25	-84.51	174.83	167.90	-
255.86													
		105	1.65	23.96	1.48	20.37	5.07	8.24	31.38	-755.20	-733.60	9.78	-
128.54													
		21	1.61	18.64	-3.61	18.64	-3.61	0.08	-258.96	-910.01	-801.34	-367.62	
242.77													
71	65	148	0.74	8.95	0.73	2.53	7.14	3.40	129.36	-327.32	-248.26	50.30	-
172.79													
		150	0.72	4.97	-4.41	1.03	-0.47	-4.63	-53.78	-389.75	-286.71	-156.82	
154.92													
		105	1.29	-0.77	-21.98	-18.43	-4.32	-7.92	563.96	-27.07	549.95	-13.05	89.92
		21	1.36	3.28	-16.92	-16.92	3.28	0.24	714.64	84.12	587.14	211.62	-
253.25													
71	66	148	0.43	-0.91	-6.29	-1.75	-5.46	-1.95	94.86	-176.52	71.99	-153.65	75.38
		150	0.79	2.88	-2.90	-0.56	0.55	2.84	367.65	-103.57	131.14	132.94	-
235.61													
		105	1.39	14.80	0.96	12.62	3.14	5.04	50.02	-676.12	-660.79	34.69	-
104.39													
		21	1.35	11.43	-2.85	11.43	-2.85	0.01	-236.58	-799.06	-720.90	-314.73	
194.55													
71	67	148	0.59	5.20	0.24	1.26	4.18	2.00	77.57	-286.04	-211.91	3.43	-
146.50													
		150	0.57	2.25	-1.94	0.42	-0.12	-2.08	-25.41	-324.93	-236.98	-113.37	
136.41													
		105	0.98	-0.13	-10.78	-8.95	-1.95	-4.01	495.40	7.29	483.36	19.33	75.72
		21	1.07	2.36	-8.12	-8.11	2.35	0.32	595.77	63.48	509.42	149.83	-
196.23													
71	68	148	0.54	-1.25	-8.46	-2.53	-7.19	-2.75	133.19	-212.27	102.87	-181.95	97.75
		150	0.91	4.35	-4.60	-0.97	0.73	4.39	420.12	-94.68	167.61	157.83	-

257.35												
		105	1.59	21.42	1.32	18.22	4.52	7.36	-20.28	-765.91	-739.07	-47.12	-
138.88													
		21	1.57	16.65	-3.40	16.65	-3.40	0.07	-257.44	-900.96	-802.26	-356.14	
231.89													
71	69	148	0.72	8.08	0.64	2.26	6.46	3.07	119.93	-324.93	-245.30	40.30	-
170.54													
		150	0.71	4.40	-3.86	0.92	-0.38	-4.07	-43.21	-383.03	-279.49	-146.75	
156.41													
		105	1.24	-0.61	-19.44	-16.28	-3.78	-7.04	574.37	24.90	555.42	43.85	
100.26													
		21	1.32	3.07	-14.93	-14.93	3.07	0.25	704.52	83.68	588.06	200.14	-
242.37													
71	70	148	0.41	-0.83	-5.60	-1.53	-4.91	-1.68	92.36	-167.96	69.48	-145.08	73.70
		150	0.78	2.44	-2.44	-0.47	0.47	2.39	362.12	-112.58	125.09	124.45	-
237.35													
		105	1.33	12.76	0.84	10.89	2.70	4.33	-2.92	-686.70	-667.01	-22.60	-
114.34													
		21	1.32	9.83	-2.68	9.83	-2.68	-5.55e-03	-235.19	-794.26	-723.62	-305.83	
185.75													
71	71	148	0.59	5.11	0.23	1.23	4.12	1.97	76.82	-285.78	-211.68	2.72	-
146.21													
		150	0.57	2.19	-1.89	0.41	-0.11	-2.02	-24.79	-324.17	-236.39	-112.58	
136.29													
		105	0.98	-0.11	-10.53	-8.74	-1.90	-3.93	495.09	7.02	482.98	19.13	75.92
		21	1.06	2.34	-7.92	-7.91	2.33	0.32	594.04	63.02	508.52	148.54	-
195.19													
71	72	148	0.54	-1.26	-8.55	-2.56	-7.25	-2.79	133.49	-213.06	103.09	-182.66	98.03
		150	0.91	4.40	-4.65	-0.98	0.73	4.45	420.92	-94.11	168.19	158.62	-
257.47													
		105	1.59	21.67	1.33	18.43	4.58	7.45	-20.56	-766.20	-739.45	-47.32	-
138.69													
		21	1.58	16.85	-3.42	16.85	-3.42	0.07	-257.92	-902.67	-803.16	-357.43	
232.93													
71	73	148	0.72	8.16	0.65	2.29	6.53	3.10	120.70	-325.20	-245.52	41.01	-
170.83													
		150	0.71	4.45	-3.91	0.93	-0.39	-4.13	-43.83	-383.79	-280.08	-147.54	
156.53													
		105	1.24	-0.63	-19.69	-16.49	-3.83	-7.13	574.66	25.17	555.79	44.04	
100.06													
		21	1.33	3.09	-15.13	-15.12	3.09	0.25	706.31	84.08	588.96	201.43	-
243.41													
71	74	148	0.41	-0.82	-5.52	-1.50	-4.84	-1.65	92.05	-167.17	69.25	-144.37	73.42
		150	0.78	2.38	-2.39	-0.46	0.46	2.34	361.31	-113.15	124.50	123.66	-
237.23													
		105	1.33	12.51	0.82	10.68	2.65	4.24	-2.65	-686.39	-666.63	-22.41	-
114.54													
		21	1.32	9.64	-2.66	9.64	-2.66	-3.25e-03	-234.64	-792.62	-722.72	-304.54	
184.71													
71	75	148	0.21	-0.65	-2.27	-0.99	-1.94	-0.65	-43.16	-118.12	-64.87	-96.41	-34.00
		150	0.17	1.98	-2.09	-0.52	0.41	1.99	27.14	-60.68	-49.17	15.63	-29.64
		105	0.23	8.37	0.80	7.21	1.96	2.73	-12.15	-70.47	-41.17	-41.44	-29.16
		21	0.18	6.75	-0.40	6.74	-0.39	0.29	-53.12	-82.33	-53.39	-82.06	2.80
71	76	148	0.33	-1.07	-6.04	-2.05	-5.06	-1.98	19.09	-151.54	14.53	-146.98	27.53
		150	0.49	3.79	-4.04	-0.91	0.66	3.84	198.49	-56.59	54.43	87.47	-
126.46													
		105	0.86	17.49	1.23	14.91	3.81	5.94	-11.46	-359.47	-341.34	-29.59	-77.34
		21	0.82	13.78	-1.91	13.77	-1.91	0.23	-154.51	-435.73	-377.69	-212.56	
113.82													
71	77	148	0.44	5.69	0.43	1.78	4.33	2.30	53.21	-204.84	-156.96	5.33	-
100.32													
		150	0.31	3.84	-3.29	0.86	-0.31	-3.52	-69.64	-173.06	-166.32	-76.38	25.53
		105	0.52	-0.52	-15.51	-12.97	-3.06	-5.62	168.25	15.76	157.69	26.32	38.72
		21	0.57	1.58	-12.05	-12.05	1.58	0.09	245.33	-25.29	163.49	56.55	-
124.30													
71	78	148	0.19	1.97	-0.04	0.72	1.21	0.97	-19.38	-103.42	-77.56	-45.24	-38.79
		150	0.27	1.89	-1.49	0.46	-0.06	-1.67	43.37	-110.63	-62.72	-4.54	-71.30
		105	0.36	-0.09	-6.40	-5.27	-1.21	-2.41	38.67	-142.98	-142.49	38.17	-9.46
		21	0.31	0.06	-5.02	-5.02	0.06	0.03	-71.96	-162.79	-160.81	-73.94	-13.27
71	79	148	0.21	-0.67	-2.46	-1.05	-2.09	-0.73	-43.75	-119.15	-64.19	-98.71	-33.51
		150	0.17	2.11	-2.22	-0.54	0.43	2.11	29.09	-58.68	-47.52	17.93	-29.24
		105	0.23	8.94	0.83	7.69	2.08	2.93	-6.14	-60.86	-39.72	-27.27	-26.64

		21	0.18	7.20	-0.45	7.19	-0.43	0.29	-52.10	-85.43	-52.94	-84.59	5.24
71	80	148	0.32	-1.05	-5.85	-1.99	-4.91	-1.91	18.33	-149.16	13.85	-144.68	27.04
		150	0.49	3.67	-3.92	-0.89	0.64	3.71	196.87	-58.92	52.79	85.16	-
126.86													
		105	0.85	16.93	1.19	14.43	3.69	5.75	-23.77	-362.78	-342.79	-43.76	-79.85
		21	0.81	13.33	-1.86	13.33	-1.86	0.23	-154.55	-433.62	-378.14	-210.03	
111.38													
71	81	148	0.44	5.49	0.41	1.72	4.18	2.22	51.09	-204.34	-156.28	3.03	-99.83
		150	0.30	3.71	-3.17	0.83	-0.29	-3.40	-67.19	-171.57	-164.67	-74.08	25.93
		105	0.51	-0.49	-14.95	-12.49	-2.94	-5.43	172.06	27.57	159.14	40.49	41.23
		21	0.56	1.53	-11.61	-11.60	1.53	0.09	242.66	-24.69	163.94	54.03	-
121.85													
71	82	148	0.19	2.16	-0.01	0.78	1.36	1.05	-17.53	-103.65	-78.24	-42.94	-39.28
		150	0.28	2.02	-1.61	0.49	-0.08	-1.79	41.65	-112.85	-64.36	-6.85	-71.70
		105	0.36	-0.13	-6.96	-5.76	-1.33	-2.61	24.85	-144.79	-143.94	24.00	-11.98
		21	0.32	0.11	-5.46	-5.46	0.11	0.03	-68.75	-163.93	-161.26	-71.42	-15.71
71	83	148	0.21	-0.68	-2.50	-1.06	-2.12	-0.74	-43.97	-118.66	-64.26	-98.37	-33.22
		150	0.17	2.13	-2.25	-0.55	0.43	2.14	29.47	-59.21	-47.55	17.80	-29.97
		105	0.24	9.06	0.84	7.80	2.10	2.96	-13.48	-70.72	-42.20	-41.99	-28.62
		21	0.19	7.29	-0.46	7.28	-0.45	0.28	-54.82	-86.66	-55.86	-85.62	5.67
71	84	148	0.33	-1.09	-6.28	-2.12	-5.24	-2.07	19.89	-153.69	15.14	-148.94	28.31
		150	0.50	3.94	-4.20	-0.94	0.68	3.99	200.75	-55.06	56.05	89.64	-
126.79													
		105	0.87	18.18	1.27	15.50	3.96	6.18	-12.28	-360.24	-342.37	-30.14	-76.80
		21	0.83	14.32	-1.97	14.31	-1.97	0.23	-155.50	-440.77	-380.16	-216.11	
116.69													
71	85	148	0.45	5.92	0.45	1.85	4.52	2.39	55.30	-205.59	-157.57	7.29	-
101.10													
		150	0.31	4.00	-3.44	0.89	-0.33	-3.67	-71.62	-174.87	-167.93	-78.56	25.86
		105	0.53	-0.57	-16.20	-13.56	-3.21	-5.86	168.98	16.61	158.72	26.87	38.17
		21	0.59	1.64	-12.59	-12.59	1.64	0.09	250.77	-24.71	165.96	60.11	-
127.17													
71	86	148	0.19	2.20	-0.01	0.79	1.39	1.06	-17.48	-103.97	-78.17	-43.28	-39.57
		150	0.27	2.05	-1.63	0.49	-0.08	-1.82	41.06	-112.12	-64.33	-6.72	-70.97
		105	0.37	-0.13	-7.08	-5.86	-1.36	-2.65	39.28	-142.01	-141.45	38.72	-10.00
		21	0.32	0.12	-5.56	-5.56	0.12	0.04	-67.52	-161.21	-158.34	-70.39	-16.14
71	87	148	0.21	-0.70	-2.70	-1.12	-2.27	-0.82	-44.50	-119.75	-63.58	-100.67	-32.73
		150	0.17	2.25	-2.38	-0.57	0.45	2.26	31.41	-57.22	-45.91	20.10	-29.57
		105	0.24	9.63	0.88	8.28	2.23	3.16	-7.40	-61.18	-40.75	-27.82	-26.10
		21	0.19	7.74	-0.50	7.73	-0.49	0.29	-53.51	-90.04	-55.41	-88.15	8.11
71	88	148	0.33	-1.07	-6.08	-2.06	-5.09	-2.00	19.13	-151.31	14.46	-146.64	27.82
		150	0.49	3.81	-4.07	-0.92	0.66	3.86	199.13	-57.38	54.40	87.34	-
127.19													
		105	0.86	17.61	1.24	15.01	3.83	5.98	-24.61	-363.53	-343.82	-44.31	-79.31
		21	0.82	13.87	-1.92	13.87	-1.92	0.22	-155.58	-438.61	-380.61	-213.59	
114.25													
71	89	148	0.44	5.73	0.43	1.79	4.37	2.31	53.18	-205.08	-156.89	4.99	-
100.61													
		150	0.31	3.87	-3.32	0.86	-0.31	-3.55	-69.16	-173.38	-166.29	-76.26	26.26
		105	0.52	-0.53	-15.63	-13.08	-3.09	-5.66	172.74	28.47	160.17	41.04	40.69
		21	0.58	1.59	-12.15	-12.15	1.59	0.10	248.07	-24.08	166.41	57.58	-
124.73													
71	90	148	0.20	2.39	0.01	0.85	1.55	1.14	-15.61	-104.22	-78.85	-40.98	-40.06
		150	0.28	2.17	-1.76	0.52	-0.10	-1.94	39.34	-114.34	-65.98	-9.02	-71.37
		105	0.37	-0.17	-7.65	-6.34	-1.48	-2.84	25.48	-143.83	-142.90	24.55	-12.52
		21	0.33	0.17	-6.01	-6.01	0.17	0.03	-64.21	-162.44	-158.79	-67.86	-18.59
71	91	148	0.53	4.91	0.21	1.22	3.90	1.93	63.82	-255.36	-189.74	-1.80	-
129.00													
		150	0.47	2.26	-1.98	0.43	-0.14	-2.10	-39.12	-272.30	-211.03	-100.39	
102.63													
		105	0.83	-0.16	-10.63	-8.84	-1.96	-3.94	384.84	-37.75	378.64	-31.55	50.81
		21	0.89	2.08	-8.05	-8.04	2.07	0.28	481.63	37.93	400.86	118.70	-
171.21													
71	92	148	0.47	-1.16	-7.67	-2.32	-6.51	-2.49	96.62	-192.06	74.93	-170.37	76.10
		150	0.79	4.05	-4.24	-0.89	0.70	4.07	356.81	-83.44	134.29	139.07	-
220.11													
		105	1.39	19.77	1.27	16.83	4.21	6.77	26.54	-640.53	-621.95	7.95	-
109.79													
		21	1.35	15.40	-2.99	15.40	-2.99	0.10	-228.69	-767.73	-680.13	-316.29	
198.86													
71	93	148	0.63	7.29	0.54	2.05	5.79	2.81	98.83	-287.47	-217.36	28.72	-
148.89													

		150	0.58	4.04	-3.56	0.84	-0.35	-3.75	-54.06	-320.11	-246.18	-127.99	
119.18													
		105	1.04	-0.56	-17.80	-14.89	-3.46	-6.45	449.29	-22.22	438.29	-11.23	71.17
		21	1.10	2.67	-13.68	-13.68	2.66	0.22	572.29	53.92	465.93	160.28	-
209.34													
71	94	148	0.36	-0.81	-5.31	-1.49	-4.63	-1.61	62.89	-155.43	47.31	-139.85	56.20
		150	0.68	2.47	-2.46	-0.48	0.49	2.42	308.97	-98.35	99.15	111.47	-
203.56													
		105	1.18	12.61	0.87	10.78	2.71	4.26	41.53	-575.53	-562.29	28.28	-89.43
		21	1.14	9.76	-2.40	9.76	-2.40	0.03	-210.79	-678.97	-615.06	-274.70	
160.73													
71	95	148	0.53	4.84	0.21	1.20	3.85	1.90	63.20	-255.15	-189.55	-2.39	-
128.76													
		150	0.47	2.22	-1.93	0.42	-0.13	-2.06	-38.60	-271.68	-210.55	-99.74	
102.53													
		105	0.83	-0.15	-10.43	-8.66	-1.91	-3.87	384.57	-37.96	378.33	-31.72	50.97
		21	0.89	2.06	-7.89	-7.88	2.05	0.28	480.17	37.58	400.12	117.63	-
170.35													
71	96	148	0.47	-1.16	-7.74	-2.34	-6.57	-2.52	96.87	-192.71	75.12	-170.96	76.33
		150	0.79	4.10	-4.29	-0.90	0.71	4.12	357.48	-82.98	134.78	139.73	-
220.21													
		105	1.39	19.98	1.28	17.01	4.26	6.84	26.32	-640.79	-622.26	7.79	-
109.63													
		21	1.35	15.56	-3.01	15.56	-3.01	0.09	-229.06	-769.16	-680.87	-317.35	
199.72													
71	97	148	0.64	7.36	0.55	2.07	5.84	2.84	99.46	-287.70	-217.55	29.31	-
149.12													
		150	0.58	4.09	-3.60	0.85	-0.36	-3.80	-54.58	-320.73	-246.66	-128.65	
119.28													
		105	1.04	-0.57	-18.00	-15.07	-3.51	-6.52	449.55	-22.01	438.60	-11.06	71.01
		21	1.10	2.68	-13.84	-13.84	2.68	0.22	573.80	54.22	466.67	161.35	-
210.20													
71	98	148	0.36	-0.80	-5.24	-1.47	-4.58	-1.58	62.64	-154.77	47.12	-139.26	55.97
		150	0.68	2.43	-2.42	-0.47	0.48	2.37	308.30	-98.82	98.66	110.82	-
203.47													
		105	1.18	12.40	0.86	10.60	2.66	4.19	41.74	-575.28	-561.98	28.45	-89.59
		21	1.14	9.60	-2.38	9.60	-2.38	0.04	-210.36	-677.60	-614.32	-273.63	
159.87													
71	99	148	0.51	4.26	0.15	1.02	3.39	1.68	56.91	-253.86	-187.47	-9.47	-
127.37													
		150	0.46	1.84	-1.56	0.34	-0.07	-1.69	-30.85	-267.41	-205.55	-92.72	
103.96													
		105	0.78	-0.05	-8.74	-7.23	-1.55	-3.29	392.76	6.39	383.47	15.68	59.19
		21	0.86	1.93	-6.56	-6.55	1.92	0.30	475.23	37.41	402.37	110.28	-
163.08													
71	100	148	0.45	-1.09	-7.03	-2.11	-6.00	-2.25	94.25	-184.29	72.67	-162.70	74.48
		150	0.78	3.64	-3.82	-0.81	0.63	3.66	351.56	-91.35	128.81	131.41	-
221.45													
		105	1.34	17.88	1.15	15.23	3.80	6.11	-16.40	-649.66	-626.78	-39.28	-
118.18													
		21	1.32	13.92	-2.84	13.92	-2.83	0.08	-227.72	-761.77	-681.63	-307.87	
190.73													
71	101	148	0.62	6.65	0.47	1.84	5.28	2.57	91.73	-285.78	-215.10	21.05	-
147.27													
		150	0.57	3.62	-3.15	0.75	-0.28	-3.34	-45.81	-315.21	-240.69	-120.33	
120.51													
		105	0.99	-0.44	-15.90	-13.29	-3.06	-5.79	458.12	21.01	443.12	36.01	79.55
		21	1.07	2.51	-12.20	-12.19	2.51	0.23	565.34	53.95	467.43	151.86	-
201.20													
71	102	148	0.34	-0.74	-4.67	-1.28	-4.12	-1.36	60.50	-147.64	45.04	-132.18	54.58
		150	0.67	2.06	-2.04	-0.40	0.42	2.01	303.69	-106.23	93.66	103.80	-
204.90													
		105	1.13	10.72	0.75	9.17	2.30	3.61	-2.02	-584.05	-567.12	-18.95	-97.82
		21	1.12	8.28	-2.24	8.28	-2.24	0.02	-209.13	-673.72	-616.57	-266.28	
152.60													
71	103	148	0.51	4.19	0.14	0.99	3.34	1.65	56.30	-253.65	-187.29	-10.06	-
127.14													
		150	0.46	1.79	-1.52	0.33	-0.06	-1.64	-30.33	-266.80	-205.06	-92.07	
103.86													
		105	0.78	-0.03	-8.53	-7.06	-1.51	-3.22	392.50	6.17	383.16	15.51	59.35
		21	0.86	1.91	-6.40	-6.39	1.90	0.29	473.80	37.04	401.63	109.21	-
162.22													

71	104	148	0.45	-1.09	-7.10	-2.14	-6.06	-2.28	94.50	-184.94	72.85	-163.29	74.71
		150	0.78	3.68	-3.86	-0.82	0.64	3.70	352.23	-90.88	129.29	132.06	-221.55
		105	1.35	18.09	1.16	15.40	3.85	6.18	-16.63	-649.90	-627.09	-39.45	-118.02
		21	1.33	14.08	-2.85	14.08	-2.85	0.08	-228.13	-763.18	-682.37	-308.93	191.59
71	105	148	0.62	6.72	0.48	1.87	5.33	2.59	92.36	-286.01	-215.28	21.64	-147.50
		150	0.57	3.66	-3.19	0.76	-0.29	-3.39	-46.32	-315.83	-241.18	-120.98	120.61
		105	1.00	-0.46	-16.11	-13.46	-3.10	-5.86	458.36	21.24	443.43	36.17	79.39
		21	1.08	2.53	-12.36	-12.35	2.52	0.24	566.82	54.28	468.17	152.93	-202.07
71	106	148	0.34	-0.73	-4.60	-1.26	-4.07	-1.34	60.25	-146.98	44.86	-131.59	54.35
		150	0.67	2.01	-1.99	-0.39	0.41	1.96	303.02	-106.70	93.18	103.15	-204.80
		105	1.13	10.51	0.74	9.00	2.25	3.54	-1.80	-583.80	-566.81	-18.79	-97.98
		21	1.11	8.12	-2.23	8.12	-2.23	0.02	-208.67	-672.37	-615.83	-265.21	151.74
72	1	141	0.05	0.18	0.03	0.05	0.16	-0.05	-12.49	-31.85	-26.25	-18.09	-8.77
		142	0.10	0.06	-0.06	0.02	-0.02	-0.05	29.15	-37.93	-20.33	11.55	-29.51
		75	0.14	-0.10	-0.44	-0.44	-0.11	-0.05	4.86	-77.10	-73.21	0.97	-17.42
		39	0.12	0.07	-0.41	-0.40	0.07	-0.05	-28.44	-79.36	-79.14	-28.66	3.32
72	2	141	0.21	0.45	0.08	0.10	0.43	-0.09	-60.58	-140.06	-97.48	-103.16	-39.64
		142	0.25	0.07	-0.12	8.07e-03	-0.05	-0.09	58.09	-109.71	-72.64	21.03	-69.61
		75	0.27	-0.20	-0.84	-0.82	-0.22	-0.09	8.02	-151.37	-149.09	5.74	-18.95
		39	0.27	0.27	-0.74	-0.73	0.26	-0.09	-116.34	-176.04	-173.92	-118.45	11.03
72	3	141	0.03	0.13	0.02	0.04	0.11	-0.04	-8.60	-22.56	-18.85	-12.31	-6.16
		142	0.07	0.04	-0.04	0.01	-0.02	-0.04	21.88	-27.83	-14.65	8.70	-21.94
		75	0.10	-0.08	-0.33	-0.33	-0.08	-0.04	3.71	-57.94	-54.88	0.66	-13.37
		39	0.09	0.05	-0.31	-0.30	0.05	-0.04	-20.20	-59.24	-59.09	-20.35	2.41
72	4	141	0.19	0.41	0.07	0.09	0.39	-0.08	-56.52	-130.94	-90.07	-97.38	-37.03
		142	0.22	0.06	-0.10	4.05e-03	-0.05	-0.08	50.86	-99.64	-66.96	18.18	-62.05
		75	0.24	-0.18	-0.73	-0.72	-0.19	-0.08	7.03	-132.37	-130.76	5.42	-14.90
		39	0.24	0.25	-0.64	-0.63	0.24	-0.08	-107.91	-156.10	-153.87	-110.14	10.12
72	5	141	0.03	0.14	0.02	0.04	0.12	-0.04	-9.17	-23.65	-19.61	-13.21	-6.49
		142	0.07	0.04	-0.04	0.01	-0.02	-0.04	22.19	-28.59	-15.21	8.80	-22.37
		75	0.11	-0.08	-0.34	-0.33	-0.09	-0.04	3.72	-58.71	-55.69	0.71	-13.39
		39	0.09	0.05	-0.31	-0.31	0.05	-0.04	-21.15	-60.26	-60.10	-21.31	2.49
72	6	141	0.14	0.32	0.06	0.07	0.30	-0.07	-41.40	-95.62	-67.09	-69.93	-27.07
		142	0.17	0.06	-0.08	7.34e-03	-0.04	-0.07	41.47	-76.42	-50.08	15.12	-49.11
		75	0.19	-0.15	-0.60	-0.59	-0.16	-0.07	5.74	-108.13	-106.28	3.88	-14.40
		39	0.19	0.19	-0.53	-0.52	0.18	-0.07	-79.83	-124.63	-123.29	-81.17	7.63
72	7	141	0.03	0.14	0.02	0.04	0.12	-0.04	-9.17	-23.65	-19.61	-13.21	-6.49
		142	0.07	0.04	-0.04	0.01	-0.02	-0.04	22.19	-28.59	-15.21	8.80	-22.37
		75	0.11	-0.08	-0.34	-0.33	-0.09	-0.04	3.72	-58.71	-55.69	0.71	-13.39
		39	0.09	0.05	-0.31	-0.31	0.05	-0.04	-21.15	-60.26	-60.10	-21.31	2.49
72	8	141	0.11	0.26	0.05	0.06	0.24	-0.06	-31.98	-73.78	-52.85	-52.92	-20.90
		142	0.14	0.05	-0.07	9.38e-03	-0.03	-0.06	35.65	-62.05	-39.62	13.23	-41.09
		75	0.17	-0.13	-0.52	-0.51	-0.13	-0.06	5.00	-93.17	-91.10	2.93	-14.10
		39	0.16	0.15	-0.46	-0.46	0.14	-0.06	-62.33	-105.21	-104.33	-63.21	6.09
72	9	141	0.03	0.14	0.02	0.04	0.12	-0.04	-9.17	-23.65	-19.61	-13.21	-6.49
		142	0.07	0.04	-0.04	0.01	-0.02	-0.04	22.19	-28.59	-15.21	8.80	-22.37
		75	0.11	-0.08	-0.34	-0.33	-0.09	-0.04	3.72	-58.71	-55.69	0.71	-13.39
		39	0.09	0.05	-0.31	-0.31	0.05	-0.04	-21.15	-60.26	-60.10	-21.31	2.49
72	10	141	0.10	0.24	0.04	0.06	0.23	-0.06	-28.83	-66.52	-48.10	-47.24	-18.84
		142	0.13	0.05	-0.07	0.01	-0.03	-0.06	33.72	-57.26	-36.13	12.60	-38.41
		75	0.16	-0.12	-0.50	-0.49	-0.13	-0.06	4.77	-88.20	-86.04	2.61	-14.00
		39	0.15	0.13	-0.44	-0.44	0.13	-0.06	-56.48	-98.76	-98.01	-57.23	5.58
72	11	141	0.23	2.67	0.30	0.71	2.26	0.89	106.36	-16.66	-16.19	105.89	7.56
		142	0.15	1.06	-1.27	-0.03	-0.18	-1.17	50.29	-39.13	-29.44	40.60	-27.79
		75	0.34	-0.49	-6.33	-5.50	-1.32	-2.04	7.88	-139.75	-117.54	-14.33	-52.78
		39	0.32	1.15	-5.01	-5.01	1.15	-9.62e-04	42.66	-108.29	-107.64	42.01	-9.87
72	12	141	0.23	0.68	-0.07	0.09	0.52	0.31	31.39	-119.44	24.75	-112.80	30.94
		142	0.49	0.20	-0.75	-0.30	-0.25	-0.48	231.41	-89.76	61.85	79.80	-160.33
		75	0.74	-0.48	-2.74	-2.52	-0.70	-0.66	-38.75	-440.08	-422.29	-56.54	-82.59
		39	0.78	0.05	-2.38	-2.38	0.04	0.12	-202.66	-516.05	-463.39	-255.32	117.18
72	13	141	0.30	0.40	-0.44	0.03	-0.07	-0.42	46.44	-149.07	-120.95	18.31	-68.62
		142	0.32	0.63	-0.11	0.32	0.19	0.36	-1.87	-186.85	-134.11	-54.61	83.51

		75	0.44	1.78	0.22	1.55	0.44	0.55	264.88	47.09	250.21	61.77	54.60
		39	0.51	1.54	0.17	1.50	0.21	-0.23	327.58	80.66	267.37	140.87	-
106.02													
72	14	141	0.36	-0.02	-2.38	-0.59	-1.81	-1.01	-64.90	-215.48	-80.01	-200.38	-45.24
		142	0.18	1.14	-0.97	0.05	0.13	1.05	21.79	-80.03	-42.83	-15.41	-49.03
		75	0.17	5.38	0.20	4.52	1.06	1.93	27.08	-62.07	-54.55	19.55	24.78
		39	0.25	4.14	-0.90	4.14	-0.89	-0.11	-82.42	-162.43	-88.38	-156.47	21.02
72	15	141	0.24	2.75	0.31	0.74	2.33	0.92	110.79	-17.59	-17.30	110.50	6.13
		142	0.14	1.12	-1.31	-0.01	-0.18	-1.21	42.58	-39.51	-32.43	35.49	-23.06
		75	0.33	-0.49	-6.53	-5.67	-1.35	-2.11	7.68	-128.77	-104.85	-16.25	-51.88
		39	0.31	1.18	-5.17	-5.17	1.18	5.81e-04	51.33	-94.62	-93.01	49.72	-15.25
72	16	141	0.24	0.60	-0.08	0.07	0.46	0.28	32.82	-124.38	25.85	-117.41	32.36
		142	0.50	0.15	-0.72	-0.32	-0.25	-0.43	240.25	-90.50	64.83	84.92	-
165.07													
		75	0.76	-0.48	-2.54	-2.35	-0.66	-0.59	-37.10	-452.50	-434.98	-54.62	-83.48
		39	0.81	0.02	-2.23	-2.22	0.01	0.12	-207.51	-533.55	-478.02	-263.03	
122.56													
72	17	141	0.31	0.42	-0.36	0.06	-1.68e-03	-0.39	51.23	-150.36	-122.05	22.92	-70.04
		142	0.33	0.60	-0.06	0.34	0.19	0.32	-2.06	-194.77	-137.10	-59.73	88.25
		75	0.45	1.58	0.21	1.38	0.41	0.48	277.07	45.67	262.89	59.85	55.49
		39	0.54	1.39	0.20	1.35	0.24	-0.23	345.14	85.44	282.00	148.58	-
111.41													
72	18	141	0.36	-0.03	-2.46	-0.61	-1.88	-1.03	-65.17	-218.72	-78.90	-204.99	-43.81
		142	0.20	1.18	-1.02	0.03	0.12	1.10	30.69	-80.83	-39.84	-10.30	-53.77
		75	0.20	5.58	0.21	4.69	1.10	2.00	27.50	-73.26	-67.24	21.47	23.89
		39	0.26	4.30	-0.93	4.30	-0.92	-0.11	-93.19	-173.99	-103.01	-164.17	26.40
72	19	141	0.22	2.62	0.29	0.69	2.22	0.88	101.17	-18.94	-18.74	100.98	4.80
		142	0.14	1.05	-1.23	-0.02	-0.16	-1.14	45.49	-39.86	-33.67	39.29	-22.15
		75	0.31	-0.48	-6.19	-5.39	-1.28	-1.99	6.89	-124.44	-100.87	-16.68	-50.40
		39	0.30	1.12	-4.92	-4.92	1.12	4.00e-03	52.49	-91.20	-89.72	51.01	-14.50
72	20	141	0.24	0.63	-0.08	0.07	0.48	0.29	27.66	-123.17	22.19	-117.71	28.18
		142	0.47	0.19	-0.71	-0.29	-0.23	-0.45	223.10	-86.98	57.62	78.50	-
154.69													
		75	0.71	-0.47	-2.61	-2.42	-0.66	-0.61	-41.24	-423.28	-405.63	-58.90	-80.21
		39	0.75	0.02	-2.29	-2.28	0.02	0.12	-195.63	-496.17	-445.47	-246.32	
112.54													
72	21	141	0.30	0.41	-0.39	0.05	-0.03	-0.40	49.12	-144.29	-118.39	23.22	-65.86
		142	0.30	0.59	-0.10	0.31	0.17	0.34	-4.82	-178.36	-129.88	-53.30	77.86
		75	0.40	1.64	0.20	1.44	0.41	0.50	248.34	49.32	233.54	64.12	52.22
		39	0.48	1.45	0.19	1.41	0.24	-0.24	307.86	73.46	249.45	131.87	-
101.39													
72	22	141	0.34	-0.01	-2.32	-0.57	-1.77	-0.99	-63.75	-209.17	-77.45	-195.47	-42.48
		142	0.20	1.10	-0.95	0.04	0.11	1.03	29.68	-82.38	-38.60	-14.10	-54.68
		75	0.20	5.25	0.19	4.41	1.02	1.88	27.02	-76.32	-71.22	21.91	22.40
		39	0.26	4.05	-0.87	4.04	-0.87	-0.12	-96.73	-175.04	-106.30	-165.46	25.65
72	23	141	0.23	2.70	0.30	0.72	2.29	0.91	105.68	-19.94	-19.85	105.59	3.38
		142	0.13	1.10	-1.26	-1.43e-03	-0.16	-1.18	38.23	-40.70	-36.65	34.18	-17.41
		75	0.30	-0.48	-6.39	-5.56	-1.31	-2.06	7.12	-113.90	-88.18	-18.60	-49.51
		39	0.29	1.16	-5.07	-5.07	1.16	5.54e-03	61.61	-77.99	-75.09	58.72	-19.88
72	24	141	0.24	0.55	-0.09	0.05	0.41	0.26	29.09	-128.11	23.30	-122.32	29.61
		142	0.49	0.14	-0.68	-0.31	-0.23	-0.41	231.95	-87.73	60.61	83.61	-
159.43													
		75	0.73	-0.46	-2.41	-2.25	-0.63	-0.54	-39.61	-435.68	-418.31	-56.97	-81.11
		39	0.78	-6.26e-03	-2.13	-2.12	-0.01	0.12	-200.47	-513.66	-460.10	-254.03	
117.92													
72	25	141	0.30	0.43	-0.31	0.07	0.04	-0.37	53.93	-145.60	-119.50	27.83	-67.28
		142	0.31	0.55	-0.05	0.33	0.18	0.29	-5.04	-186.24	-132.87	-58.42	82.60
		75	0.42	1.44	0.20	1.27	0.37	0.43	260.45	47.97	246.23	62.20	53.11
		39	0.51	1.30	0.21	1.25	0.27	-0.24	325.42	78.24	264.08	139.58	-
106.77													
72	26	141	0.35	-0.02	-2.41	-0.59	-1.84	-1.02	-63.97	-212.46	-76.35	-200.08	-41.06
		142	0.21	1.13	-1.01	0.02	0.10	1.07	38.59	-83.19	-35.61	-8.99	-59.42
		75	0.23	5.45	0.20	4.58	1.06	1.95	27.97	-88.04	-83.90	23.83	21.51
		39	0.29	4.20	-0.90	4.20	-0.90	-0.12	-106.49	-187.61	-120.93	-173.17	31.03
72	27	141	0.70	3.93	0.73	1.19	3.48	1.12	335.31	-105.55	-100.62	330.38	-46.38
		142	0.59	1.67	-1.23	0.42	0.02	-1.44	73.32	-284.36	-172.57	-38.46	
165.79													
		75	0.68	-0.23	-7.70	-6.50	-1.42	-2.74	367.97	60.30	366.72	61.55	19.59
		39	0.94	2.12	-5.82	-5.81	2.11	-0.22	622.97	239.19	438.65	423.51	-
191.74													
72	28	141	0.73	-0.48	-2.70	-0.86	-2.32	-0.84	38.12	-400.87	35.84	-398.59	31.56
		142	0.85	0.53	-1.23	-0.51	-0.19	0.86	388.68	-164.75	131.71	92.22	-

276.01													
		75	1.11	4.34	-0.29	3.41	0.64	1.85	-68.19	-660.09	-649.13	-79.15	-79.80
		39	1.33	2.99	-1.58	2.98	-1.58	0.18	-408.88	-905.92	-747.18	-567.62	
231.74													
72	29	141	0.70	3.03	0.73	0.98	2.78	0.72	314.83	-142.77	-132.04	304.10	-69.24
		142	0.68	1.33	-0.67	0.53	0.13	-0.98	75.13	-346.12	-203.97	-67.03	
199.19													
		75	0.83	-0.01	-5.27	-4.39	-0.90	-1.96	483.76	77.66	477.04	84.38	51.80
		39	1.08	1.85	-3.87	-3.85	1.83	-0.29	728.12	276.20	551.16	453.16	-
220.59													
72	30	141	0.75	-0.47	-3.62	-1.07	-3.03	-1.23	4.59	-425.04	4.42	-424.86	8.70
		142	0.75	1.09	-1.57	-0.40	-0.08	1.32	325.29	-161.33	100.31	63.65	-
242.62													
		75	0.96	6.76	-0.07	5.52	1.17	2.63	-51.68	-543.46	-538.81	-56.33	-47.59
		39	1.18	4.94	-1.86	4.94	-1.86	0.11	-377.75	-794.89	-634.68	-537.96	
202.89													
72	31	141	0.70	3.92	0.73	1.18	3.47	1.11	334.02	-106.50	-101.38	328.90	-47.21
		142	0.59	1.67	-1.22	0.42	0.03	-1.43	74.23	-286.92	-173.84	-38.85	
167.49													
		75	0.69	-0.22	-7.66	-6.47	-1.41	-2.72	373.04	59.53	371.72	60.85	20.31
		39	0.95	2.11	-5.79	-5.78	2.10	-0.22	628.45	241.78	444.03	426.21	-
193.13													
72	32	141	0.73	-0.49	-2.72	-0.87	-2.34	-0.84	37.24	-402.22	35.08	-400.06	30.73
		142	0.84	0.54	-1.23	-0.50	-0.19	0.87	386.13	-163.86	130.44	91.82	-
274.32													
		75	1.10	4.38	-0.28	3.44	0.65	1.87	-68.99	-655.01	-644.13	-79.86	-79.09
		39	1.32	3.02	-1.59	3.01	-1.58	0.18	-406.62	-900.10	-741.80	-564.92	
230.35													
72	33	141	0.70	3.05	0.73	0.99	2.79	0.73	316.04	-141.74	-131.28	305.58	-68.41
		142	0.67	1.33	-0.68	0.52	0.13	-0.99	74.21	-343.55	-202.70	-66.63	
197.49													
		75	0.82	-0.02	-5.31	-4.42	-0.91	-1.98	478.68	78.46	472.04	85.09	51.09
		39	1.08	1.85	-3.90	-3.88	1.84	-0.29	722.44	273.81	545.78	450.46	-
219.19													
72	34	141	0.75	-0.47	-3.60	-1.06	-3.01	-1.22	5.39	-423.60	5.18	-423.39	9.53
		142	0.76	1.08	-1.57	-0.40	-0.08	1.32	327.84	-162.22	101.58	64.05	-
244.31													
		75	0.97	6.72	-0.07	5.49	1.16	2.61	-50.89	-548.54	-543.81	-55.62	-48.30
		39	1.19	4.91	-1.85	4.91	-1.85	0.11	-380.12	-800.59	-640.05	-540.66	
204.28													
72	35	141	0.74	4.21	0.77	1.28	3.71	1.22	351.48	-110.04	-104.30	345.74	-51.13
		142	0.63	1.84	-1.34	0.47	0.04	-1.58	73.36	-311.39	-182.53	-55.50	
181.59													
		75	0.76	-0.24	-8.36	-7.07	-1.54	-2.97	410.44	53.72	409.01	55.15	22.56
		39	1.03	2.22	-6.34	-6.33	2.22	-0.22	678.85	257.76	487.41	449.20	-
209.68													
72	36	141	0.76	-0.52	-2.98	-0.95	-2.55	-0.93	42.42	-416.84	39.53	-413.96	36.30
		142	0.90	0.64	-1.40	-0.55	-0.20	1.01	417.72	-166.79	141.67	109.26	-
291.80													
		75	1.20	5.00	-0.27	3.98	0.76	2.08	-61.87	-702.30	-691.42	-72.75	-82.77
		39	1.42	3.51	-1.69	3.50	-1.68	0.17	-425.17	-964.07	-795.94	-593.31	
249.68													
72	37	141	0.73	3.31	0.77	1.07	3.01	0.82	331.19	-147.45	-135.73	319.47	-73.98
		142	0.73	1.50	-0.78	0.57	0.15	-1.12	75.57	-373.57	-213.93	-84.07	
214.98													
		75	0.91	-0.03	-5.93	-4.95	-1.01	-2.20	526.03	71.29	519.34	77.98	54.77
		39	1.17	1.95	-4.39	-4.38	1.93	-0.29	785.47	293.30	599.92	478.85	-
238.53													
72	38	141	0.79	-0.51	-3.90	-1.16	-3.25	-1.33	8.51	-440.63	8.10	-440.23	13.45
		142	0.81	1.21	-1.74	-0.45	-0.09	1.46	354.32	-163.36	110.26	80.70	-
258.41													
		75	1.05	7.42	-0.05	6.09	1.28	2.86	-45.16	-585.87	-581.10	-49.93	-50.56
		39	1.27	5.46	-1.96	5.46	-1.96	0.10	-394.74	-852.35	-683.44	-563.65	
220.83													
72	39	141	0.73	4.19	0.77	1.27	3.69	1.21	350.20	-111.00	-105.07	344.27	-51.96
		142	0.64	1.84	-1.33	0.47	0.04	-1.57	74.27	-313.96	-183.80	-55.90	
183.28													
		75	0.77	-0.24	-8.32	-7.03	-1.53	-2.96	415.51	52.95	414.01	54.45	23.27
		39	1.04	2.21	-6.31	-6.30	2.21	-0.22	684.40	260.29	492.79	451.90	-
211.07													
72	40	141	0.76	-0.53	-3.00	-0.96	-2.57	-0.94	41.52	-418.18	38.76	-415.43	35.48
		142	0.89	0.66	-1.40	-0.55	-0.20	1.01	415.17	-165.91	140.40	108.87	-

290.11												
		75	1.19	5.04	-0.26	4.01	0.77	2.10	-62.67	-697.22	-686.42	-73.46-82.05
		39	1.41	3.54	-1.69	3.53	-1.69	0.18	-422.93	-958.24	-790.56	-590.61
248.29												
72	41	141	0.74	3.32	0.78	1.08	3.02	0.83	332.39	-146.41	-134.96	320.94-73.15
		142	0.72	1.50	-0.79	0.57	0.14	-1.13	74.65	-370.99	-212.66	-83.68
213.28												
		75	0.90	-0.03	-5.97	-4.99	-1.02	-2.21	520.94	72.08	514.34	78.69 54.06
		39	1.17	1.95	-4.42	-4.40	1.94	-0.29	779.76	290.94	594.54	476.15 -
237.13												
72	42	141	0.78	-0.51	-3.88	-1.15	-3.24	-1.32	9.32	-439.21	8.87	-438.76 14.28
		142	0.81	1.19	-1.74	-0.45	-0.10	1.46	356.86	-164.24	111.53	81.09 -
260.11												
		75	1.06	7.38	-0.05	6.06	1.27	2.85	-44.37	-590.95	-586.10	-49.22-51.27
		39	1.28	5.43	-1.95	5.43	-1.95	0.10	-397.08	-858.08	-688.81	-566.35
222.22												
72	43	141	0.17	2.15	0.27	0.57	1.84	0.70	74.12	-23.12	-23.08	74.08 1.82
		142	0.15	0.85	-1.02	-0.02	-0.15	-0.93	45.69	-42.53	-31.23	34.39-29.48
		75	0.30	-0.41	-5.11	-4.45	-1.07	-1.63	6.29	-126.51	-109.39	-10.83-44.50
		39	0.27	0.94	-4.06	-4.06	0.94	-0.01	22.16	-104.32	-103.91	21.75 -7.15
72	44	141	0.19	0.57	-0.02	0.09	0.46	0.23	13.01	-102.93	9.33	-99.25 20.32
		142	0.41	0.17	-0.61	-0.24	-0.20	-0.39	188.32	-81.83	41.10	65.39 -
134.53												
		75	0.62	-0.41	-2.27	-2.10	-0.58	-0.54	-29.81	-365.34	-350.91	-44.24-68.08
		39	0.65	0.06	-1.98	-1.98	0.06	0.08	-172.85	-426.92	-385.85	-213.92 93.54
72	45	141	0.25	0.36	-0.33	0.04	-8.37e-03	-0.34	29.65	-130.41	-105.53	4.77-58.00
		142	0.24	0.48	-0.08	0.26	0.14	0.28	-8.46	-145.10	-113.37	-40.19 57.70
		75	0.31	1.31	0.14	1.13	0.32	0.43	190.23	38.06	178.82	49.47 40.08
		39	0.38	1.14	0.16	1.10	0.20	-0.19	238.61	50.69	189.83	99.47-82.39
72	46	141	0.30	0.01	-1.85	-0.45	-1.39	-0.81	-58.89	-182.79	-73.11	-168.57-39.50
		142	0.17	0.89	-0.76	0.04	0.09	0.82	24.83	-75.06	-41.03	-9.20-47.35
		75	0.17	4.16	0.13	3.48	0.81	1.51	19.37	-66.01	-62.69	16.05 16.50
		39	0.22	3.19	-0.68	3.18	-0.68	-0.10	-85.51	-142.81	-92.11	-136.21 18.30
72	47	141	0.18	2.21	0.28	0.59	1.90	0.72	77.74	-23.97	-23.96	77.74 0.69
		142	0.14	0.89	-1.05	-7.18e-03	-0.15	-0.97	39.40	-42.67	-33.60	30.33-25.73
		75	0.29	-0.42	-5.26	-4.59	-1.10	-1.68	5.88	-117.57	-99.34	-12.35-43.79
		39	0.26	0.96	-4.18	-4.18	0.96	-0.01	28.94	-93.39	-92.32	27.86-11.41
72	48	141	0.19	0.51	-0.03	0.07	0.41	0.21	14.14	-106.84	10.21	-102.91 21.45
		142	0.42	0.13	-0.58	-0.25	-0.20	-0.36	195.35	-82.43	43.47	69.45 -
138.28												
		75	0.63	-0.40	-2.12	-1.97	-0.55	-0.48	-28.49	-375.19	-360.96	-42.72-68.78
		39	0.66	0.04	-1.86	-1.85	0.03	0.08	-176.70	-440.77	-397.44	-220.03 97.80
72	49	141	0.26	0.37	-0.27	0.06	0.05	-0.32	33.42	-131.41	-106.40	8.42-59.13
		142	0.25	0.46	-0.04	0.27	0.15	0.24	-8.90	-151.09	-115.73	-44.25 61.46
		75	0.32	1.15	0.14	0.99	0.30	0.37	199.83	36.99	188.87	47.94 40.79
		39	0.40	1.03	0.17	0.98	0.22	-0.19	252.52	54.48	201.42	105.58-86.65
72	50	141	0.30	4.58e-03	-1.92	-0.47	-1.44	-0.83	-59.21	-185.25	-72.24	-172.22-38.37
		142	0.18	0.92	-0.80	0.03	0.09	0.86	31.88	-75.68	-38.66	-5.14-51.10
		75	0.19	4.32	0.13	3.61	0.84	1.57	20.26	-75.43	-72.75	17.58 15.80
		39	0.24	3.31	-0.71	3.31	-0.71	-0.10	-93.32	-152.70	-103.71	-142.31 22.56
72	51	141	0.17	2.11	0.26	0.56	1.81	0.68	70.19	-25.18	-25.18	70.19 -0.45
		142	0.14	0.84	-0.99	-8.18e-03	-0.14	-0.91	41.35	-42.81	-34.71	33.24-24.83
		75	0.27	-0.40	-5.00	-4.37	-1.04	-1.59	5.25	-113.61	-95.67	-12.69-42.55
		39	0.25	0.92	-3.98	-3.98	0.92	-8.85e-03	30.03	-90.15	-89.14	29.02-10.98
72	52	141	0.19	0.53	-0.03	0.07	0.43	0.22	10.11	-106.03	7.23	-103.15 18.06
		142	0.40	0.16	-0.58	-0.23	-0.19	-0.37	181.49	-79.63	37.63	64.24 -
129.88												
		75	0.59	-0.40	-2.17	-2.02	-0.55	-0.50	-31.79	-351.50	-337.18	-46.11-66.13
		39	0.62	0.04	-1.90	-1.90	0.04	0.09	-167.19	-410.54	-371.08	-206.66 89.70
72	53	141	0.25	0.37	-0.29	0.05	0.03	-0.33	31.66	-126.43	-103.43	8.66-55.73
		142	0.22	0.45	-0.07	0.25	0.13	0.26	-10.67	-138.26	-109.89	-39.04 53.06
		75	0.29	1.21	0.13	1.04	0.30	0.38	176.69	39.73	165.09	51.34 38.13
		39	0.35	1.07	0.17	1.03	0.22	-0.20	222.43	44.82	175.06	92.20-78.55
72	54	141	0.29	0.02	-1.81	-0.44	-1.35	-0.79	-58.02	-177.67	-71.02	-164.67-37.23
		142	0.18	0.85	-0.75	0.03	0.08	0.80	31.24	-76.85	-37.56	-8.05-51.99
		75	0.19	4.05	0.12	3.39	0.78	1.47	20.12	-78.61	-76.42	17.92 14.55
		39	0.24	3.11	-0.66	3.11	-0.66	-0.10	-96.46	-153.89	-106.88	-143.47 22.13
72	55	141	0.17	2.17	0.27	0.58	1.86	0.70	73.86	-26.08	-26.06	73.84 -1.58
		142	0.13	0.88	-1.01	2.90e-03	-0.13	-0.95	35.32	-43.21	-37.07	29.18-21.08
		75	0.26	-0.41	-5.16	-4.50	-1.07	-1.64	5.09	-104.92	-85.61	-14.22-41.84
		39	0.25	0.94	-4.10	-4.10	0.94	-7.62e-03	37.15	-79.57	-77.55	35.13-15.25
72	56	141	0.20	0.46	-0.04	0.05	0.37	0.19	11.23	-109.92	8.11	-106.81 19.18

		142	0.41	0.12	-0.55	-0.24	-0.19	-0.33	188.53	-80.24	40.00	68.30	-
133.64													
		75	0.61	-0.39	-2.01	-1.88	-0.52	-0.44	-30.48	-361.34	-347.24	-44.58	-66.84
		39	0.64	0.02	-1.78	-1.78	0.01	0.09	-171.04	-424.39	-382.67	-212.77	93.97
72	57	141	0.25	0.38	-0.23	0.07	0.08	-0.31	35.45	-127.44	-104.31	12.32	-56.86
		142	0.23	0.43	-0.04	0.26	0.13	0.22	-11.18	-144.19	-112.26	-43.10	56.81
		75	0.30	1.05	0.13	0.91	0.27	0.33	186.21	38.75	175.15	49.81	38.84
		39	0.37	0.96	0.19	0.90	0.24	-0.20	236.34	48.62	186.65	98.31	-82.82
72	58	141	0.29	0.01	-1.88	-0.46	-1.41	-0.82	-58.30	-180.17	-70.14	-168.33	-36.10
		142	0.19	0.88	-0.79	0.02	0.08	0.83	38.30	-77.48	-35.19	-3.99	-55.75
		75	0.21	4.21	0.12	3.53	0.81	1.53	21.23	-88.26	-86.47	19.45	13.85
		39	0.26	3.23	-0.69	3.23	-0.69	-0.10	-103.39	-164.67	-118.48	-149.58	26.40
72	59	141	0.55	3.15	0.61	0.95	2.80	0.87	256.83	-94.54	-89.76	252.05	-40.71
		142	0.45	1.33	-0.98	0.33	0.01	-1.14	50.50	-222.75	-144.37	-27.88	
123.59													
		75	0.51	-0.21	-6.18	-5.24	-1.15	-2.18	273.96	48.55	273.25	49.26	12.62
		39	0.72	1.71	-4.68	-4.68	1.70	-0.19	476.82	174.91	327.83	323.91	-
150.94													
72	60	141	0.58	-0.35	-2.11	-0.67	-1.79	-0.67	19.56	-327.01	18.29	-325.74	20.98
		142	0.69	0.40	-0.95	-0.40	-0.16	0.67	312.91	-140.72	96.75	75.44	-
226.57													
		75	0.91	3.32	-0.26	2.59	0.48	1.45	-53.03	-540.89	-531.80	-62.12	-65.99
		39	1.08	2.26	-1.23	2.26	-1.22	0.13	-337.45	-736.19	-611.97	-461.68	
184.66													
72	61	141	0.56	2.44	0.60	0.79	2.25	0.56	240.93	-124.17	-114.49	231.25	-58.66
		142	0.52	1.05	-0.54	0.42	0.10	-0.78	51.46	-270.72	-169.01	-50.25	
149.74													
		75	0.63	-0.04	-4.25	-3.56	-0.73	-1.56	364.57	62.49	359.71	67.35	37.99
		39	0.83	1.49	-3.14	-3.13	1.48	-0.24	558.47	204.70	415.95	347.22	-
173.51													
72	62	141	0.61	-0.35	-2.83	-0.83	-2.35	-0.98	-6.42	-346.56	-6.44	-346.54	3.03
		142	0.62	0.85	-1.23	-0.31	-0.07	1.03	263.23	-138.05	72.11	53.07	-
200.41													
		75	0.79	5.24	-0.09	4.26	0.89	2.06	-39.96	-449.40	-445.34	-44.03	-40.61
		39	0.97	3.81	-1.45	3.81	-1.45	0.08	-313.47	-648.74	-523.85	-438.36	
162.09													
72	63	141	0.55	3.14	0.60	0.95	2.79	0.87	255.83	-95.33	-90.38	250.88	-41.39
		142	0.45	1.32	-0.97	0.34	0.02	-1.14	51.22	-224.85	-145.41	-28.22	
124.98													
		75	0.52	-0.20	-6.15	-5.21	-1.14	-2.16	278.13	47.94	277.37	48.70	13.20
		39	0.73	1.70	-4.66	-4.66	1.69	-0.19	481.30	177.05	332.26	326.09	-
152.09													
72	64	141	0.59	-0.36	-2.12	-0.67	-1.80	-0.68	18.85	-328.10	17.66	-326.91	20.30
		142	0.69	0.41	-0.96	-0.39	-0.15	0.67	310.81	-140.01	95.70	75.10	-
225.18													
		75	0.90	3.36	-0.26	2.61	0.48	1.46	-53.66	-536.71	-527.68	-62.68	-65.40
		39	1.07	2.29	-1.23	2.28	-1.23	0.13	-335.64	-731.40	-607.54	-459.50	
183.51													
72	65	141	0.56	2.45	0.60	0.80	2.26	0.56	241.87	-123.31	-113.86	232.42	-57.98
		142	0.52	1.06	-0.55	0.41	0.10	-0.79	50.73	-268.60	-167.97	-49.91	
148.35													
		75	0.62	-0.04	-4.29	-3.59	-0.74	-1.57	360.38	63.12	355.60	67.91	37.41
		39	0.83	1.50	-3.17	-3.15	1.48	-0.24	553.82	202.74	411.52	345.04	-
172.36													
72	66	141	0.60	-0.34	-2.82	-0.83	-2.34	-0.98	-5.78	-345.41	-5.82	-345.37	3.71
		142	0.62	0.84	-1.23	-0.32	-0.07	1.02	265.33	-138.77	73.15	53.41	-
201.81													
		75	0.80	5.21	-0.09	4.24	0.88	2.05	-39.33	-453.59	-449.45	-43.47	-41.20
		39	0.97	3.78	-1.44	3.78	-1.44	0.07	-315.38	-653.44	-528.28	-440.54	
163.24													
72	67	141	0.58	3.37	0.64	1.02	2.98	0.95	269.68	-98.14	-92.68	264.23	-44.47
		142	0.49	1.46	-1.07	0.37	0.02	-1.26	50.13	-243.79	-152.26	-41.41	
136.11													
		75	0.58	-0.22	-6.71	-5.69	-1.24	-2.36	307.61	43.33	306.76	44.18	14.97
		39	0.79	1.79	-5.10	-5.09	1.78	-0.18	520.90	189.84	366.47	344.27	-
165.16													
72	68	141	0.61	-0.39	-2.33	-0.74	-1.97	-0.75	22.91	-339.62	21.21	-337.92	24.74
		142	0.73	0.49	-1.09	-0.43	-0.17	0.78	336.02	-142.41	104.64	88.97	-
239.09													
		75	0.98	3.85	-0.25	3.04	0.57	1.63	-48.01	-574.34	-565.31	-57.04	-68.34
		39	1.15	2.68	-1.31	2.67	-1.31	0.13	-350.32	-782.33	-650.61	-482.04	
198.88													

72	69	141	0.58	2.66	0.64	0.86	2.43	0.64	253.92	-127.90	-117.41	243.43	-62.42
		142	0.56	1.19	-0.63	0.45	0.11	-0.89	51.49	-292.18	-176.90	-63.78	
162.26													
		75	0.69	-0.05	-4.78	-4.01	-0.82	-1.75	398.07	57.42	393.23	62.27	40.34
		39	0.90	1.57	-3.55	-3.54	1.56	-0.24	603.80	218.38	454.59	367.59	-
187.73													
72	70	141	0.63	-0.38	-3.05	-0.90	-2.53	-1.06	-3.39	-358.84	-3.52	-358.71	6.79
		142	0.66	0.94	-1.37	-0.35	-0.08	1.14	286.33	-139.74	80.00	66.60	-
212.93													
		75	0.86	5.77	-0.07	4.71	0.99	2.25	-34.80	-483.01	-478.85	-38.95	-42.96
		39	1.04	4.22	-1.53	4.22	-1.53	0.07	-326.82	-694.40	-562.49	-458.72	
176.31													
72	71	141	0.58	3.36	0.64	1.02	2.97	0.95	268.69	-98.94	-93.31	263.06	-45.15
		142	0.49	1.46	-1.06	0.37	0.03	-1.25	50.86	-245.91	-153.30	-41.75	
137.50													
		75	0.58	-0.22	-6.68	-5.66	-1.23	-2.35	311.78	42.72	310.88	43.62	15.55
		39	0.80	1.78	-5.07	-5.07	1.78	-0.18	525.44	191.91	370.90	346.45	-
166.31													
72	72	141	0.61	-0.39	-2.34	-0.75	-1.99	-0.75	22.18	-340.69	20.58	-339.09	24.06
		142	0.73	0.50	-1.09	-0.43	-0.16	0.79	333.92	-141.70	103.60	88.63	-
237.69													
		75	0.97	3.88	-0.24	3.06	0.58	1.65	-48.65	-570.15	-561.20	-57.60	-67.75
		39	1.15	2.70	-1.32	2.69	-1.31	0.13	-348.51	-777.53	-646.18	-479.86	
197.73													
72	73	141	0.58	2.67	0.64	0.87	2.44	0.64	254.86	-127.04	-116.78	244.60	-61.74
		142	0.56	1.19	-0.64	0.45	0.11	-0.90	50.76	-290.05	-175.86	-63.44	
160.87													
		75	0.68	-0.06	-4.81	-4.04	-0.83	-1.76	393.88	58.05	389.11	62.83	39.76
		39	0.90	1.58	-3.58	-3.57	1.57	-0.24	599.12	216.45	450.16	365.41	-
186.58													
72	74	141	0.63	-0.38	-3.04	-0.90	-2.52	-1.06	-2.74	-357.70	-2.89	-357.55	7.47
		142	0.66	0.93	-1.36	-0.35	-0.08	1.14	288.43	-140.45	81.04	66.94	-
214.33													
		75	0.87	5.74	-0.07	4.69	0.98	2.24	-34.17	-487.19	-482.97	-38.39	-43.55
		39	1.04	4.20	-1.52	4.20	-1.52	0.07	-328.70	-699.12	-566.92	-460.90	
177.46													
72	75	141	0.14	1.80	0.24	0.48	1.56	0.56	53.06	-27.38	-27.35	53.03	-1.69
		142	0.14	0.71	-0.86	-0.01	-0.13	-0.78	43.59	-44.83	-31.97	30.73	-31.17
		75	0.27	-0.37	-4.30	-3.76	-0.90	-1.35	5.38	-119.66	-105.79	-8.49	-39.27
		39	0.24	0.80	-3.43	-3.43	0.80	-0.02	8.18	-103.57	-103.36	7.97	-4.80
72	76	141	0.16	0.50	3.42e-03	0.08	0.42	0.18	1.46	-92.24	-0.56	-90.22	13.61
		142	0.36	0.15	-0.52	-0.19	-0.17	-0.33	160.92	-76.76	27.81	56.35	-
117.99													
		75	0.54	-0.36	-1.96	-1.82	-0.50	-0.45	-23.84	-317.65	-305.39	-36.11	-58.77
		39	0.56	0.07	-1.71	-1.71	0.07	0.06	-153.23	-369.93	-336.37	-186.79	78.40
72	77	141	0.22	0.33	-0.26	0.04	0.03	-0.29	18.73	-118.64	-95.64	-4.27	-51.29
		142	0.19	0.39	-0.06	0.22	0.11	0.22	-11.94	-119.30	-100.08	-31.16	41.16
		75	0.23	1.00	0.09	0.85	0.25	0.34	142.65	31.99	133.30	41.34	30.77
		39	0.29	0.88	0.14	0.84	0.18	-0.17	181.70	30.98	140.35	72.34	-67.25
72	78	141	0.26	0.04	-1.51	-0.36	-1.11	-0.68	-54.87	-161.49	-68.85	-147.52	-35.99
		142	0.16	0.72	-0.62	0.03	0.07	0.67	25.94	-71.77	-40.30	-5.53	-45.65
		75	0.16	3.36	0.08	2.79	0.65	1.24	15.28	-67.86	-66.30	13.72	11.28
		39	0.20	2.56	-0.54	2.56	-0.54	-0.09	-85.72	-129.36	-92.66	-122.43	15.96
72	79	141	0.14	1.86	0.25	0.50	1.61	0.58	56.13	-28.15	-28.07	56.05	-2.62
		142	0.14	0.75	-0.88	-4.61e-03	-0.13	-0.81	38.28	-44.84	-33.92	27.37	-28.07
		75	0.26	-0.37	-4.43	-3.88	-0.93	-1.40	4.87	-112.11	-97.48	-9.75	-38.69
		39	0.24	0.82	-3.53	-3.53	0.82	-0.02	13.67	-94.43	-93.78	13.02	-8.33
72	80	141	0.17	0.45	-4.63e-03	0.06	0.38	0.16	2.38	-95.45	0.17	-93.24	14.54
		142	0.37	0.12	-0.49	-0.20	-0.17	-0.30	166.74	-77.27	29.77	59.70	-
121.09													
		75	0.55	-0.36	-1.83	-1.71	-0.48	-0.41	-22.74	-325.80	-313.70	-34.85	-59.35
		39	0.57	0.05	-1.61	-1.61	0.05	0.06	-156.42	-381.36	-345.95	-191.84	81.93
72	81	141	0.22	0.34	-0.21	0.06	0.08	-0.27	21.82	-119.44	-96.37	-1.25	-52.22
		142	0.20	0.37	-0.03	0.22	0.12	0.19	-12.60	-123.94	-102.03	-34.51	44.26
		75	0.24	0.87	0.09	0.74	0.22	0.30	150.51	31.17	141.61	40.08	31.35
		39	0.31	0.78	0.15	0.73	0.20	-0.17	193.19	34.13	149.93	77.39	-70.78
72	82	141	0.26	0.03	-1.56	-0.38	-1.15	-0.70	-55.23	-163.43	-68.13	-150.54	-35.05
		142	0.17	0.75	-0.65	0.02	0.07	0.70	31.74	-72.26	-38.34	-2.18	-48.76
		75	0.18	3.49	0.08	2.90	0.67	1.29	16.24	-75.87	-74.61	14.98	10.70
		39	0.22	2.66	-0.56	2.66	-0.56	-0.09	-91.65	-138.07	-102.24	-127.47	19.48
72	83	141	0.13	1.77	0.24	0.47	1.53	0.55	49.97	-29.25	-29.09	49.81	-3.57
		142	0.14	0.70	-0.83	-5.42e-03	-0.12	-0.76	39.77	-44.85	-34.85	29.76	-27.32

		75	0.25	-0.36	-4.22	-3.69	-0.88	-1.32	4.32	-108.78	-94.42	-10.04-37.66
		39	0.23	0.78	-3.37	-3.37	0.78	-0.02	14.57	-91.74	-91.13	13.97 -7.98
72	84	141	0.16	0.47	-3.26e-03	0.07	0.39	0.17	-0.81	-94.93	-2.30	-93.44 11.73
		142	0.35	0.14	-0.49	-0.19	-0.16	-0.31	155.31	-74.99	24.93	55.39 -
114.14												
		75	0.52	-0.35	-1.88	-1.75	-0.48	-0.42	-25.49	-306.18	-294.02	-37.65-57.15
		39	0.54	0.06	-1.65	-1.65	0.05	0.06	-148.56	-356.37	-324.14	-180.79 75.23
72	85	141	0.22	0.34	-0.23	0.05	0.06	-0.28	20.32	-115.27	-93.90	-1.05-49.41
		142	0.18	0.36	-0.05	0.21	0.10	0.20	-13.55	-113.84	-97.20	-30.19 37.31
		75	0.21	0.92	0.08	0.78	0.22	0.31	131.52	33.29	121.93	42.88 29.15
		39	0.27	0.82	0.15	0.77	0.20	-0.17	168.36	26.09	128.12	66.34-64.08
72	86	141	0.25	0.04	-1.47	-0.35	-1.08	-0.67	-54.20	-157.21	-67.11	-144.29-34.11
		142	0.17	0.69	-0.61	0.03	0.06	0.65	31.16	-73.15	-37.42	-4.57-49.50
		75	0.18	3.27	0.07	2.72	0.62	1.21	16.26	-78.66	-77.67	15.26 9.66
		39	0.22	2.50	-0.53	2.49	-0.52	-0.10	-94.20	-139.12	-104.89	-128.42 19.13
72	87	141	0.14	1.82	0.24	0.49	1.58	0.57	53.07	-30.06	-29.81	52.83 -4.50
		142	0.13	0.74	-0.85	3.74e-03	-0.11	-0.79	34.62	-45.02	-36.80	26.41-24.22
		75	0.24	-0.36	-4.35	-3.80	-0.90	-1.37	3.96	-101.37	-86.11	-11.30-37.07
		39	0.22	0.80	-3.47	-3.47	0.80	-0.02	20.32	-82.85	-81.55	19.02-11.50
72	88	141	0.17	0.41	-0.01	0.05	0.35	0.15	0.09	-98.12	-1.57	-96.46 12.66
		142	0.36	0.11	-0.47	-0.20	-0.16	-0.29	161.13	-75.50	26.89	58.74 -
117.24												
		75	0.53	-0.35	-1.75	-1.64	-0.45	-0.37	-24.40	-314.32	-302.32	-36.39-57.73
		39	0.55	0.04	-1.55	-1.54	0.03	0.06	-151.76	-367.80	-333.72	-185.84 78.75
72	89	141	0.22	0.35	-0.18	0.07	0.11	-0.26	23.43	-116.09	-94.63	1.97-50.34
		142	0.19	0.34	-0.02	0.22	0.10	0.17	-14.30	-118.40	-99.15	-33.55 40.42
		75	0.22	0.78	0.08	0.67	0.20	0.26	139.29	32.57	130.24	41.62 29.74
		39	0.29	0.73	0.16	0.67	0.22	-0.17	179.84	29.25	137.70	71.39-67.60
72	90	141	0.26	0.04	-1.53	-0.37	-1.12	-0.69	-54.53	-159.17	-66.39	-147.31-33.17
		142	0.18	0.72	-0.64	0.02	0.06	0.68	36.98	-73.66	-35.46	-1.22-52.60
		75	0.20	3.40	0.08	2.83	0.65	1.25	17.32	-86.78	-85.98	16.52 9.08
		39	0.23	2.60	-0.55	2.60	-0.55	-0.10	-99.40	-148.54	-114.47	-133.47 22.66
72	91	141	0.46	2.63	0.52	0.80	2.36	0.71	204.83	-87.24	-82.51	200.09-36.90
		142	0.36	1.11	-0.82	0.28	4.51e-03	-0.96	35.66	-182.04	-125.55	-20.83 95.43
		75	0.40	-0.20	-5.19	-4.41	-0.97	-1.81	211.13	40.79	210.76	41.16 7.98
		39	0.57	1.43	-3.95	-3.94	1.43	-0.16	379.50	132.00	253.77	257.73 -
123.73												
72	92	141	0.49	-0.27	-1.72	-0.54	-1.44	-0.57	7.49	-278.09	6.80	-277.39 14.10
		142	0.59	0.32	-0.78	-0.33	-0.13	0.54	263.16	-124.86	73.72	64.58 -
193.95												
		75	0.78	2.67	-0.24	2.05	0.37	1.19	-42.99	-462.46	-454.57	-50.89-56.99
		39	0.92	1.79	-0.99	1.79	-0.99	0.10	-290.12	-624.28	-522.91	-391.49
153.62												
72	93	141	0.46	2.05	0.52	0.66	1.90	0.45	191.99	-112.08	-103.00	182.91-51.78
		142	0.42	0.88	-0.46	0.35	0.08	-0.65	36.00	-221.37	-145.98	-39.39
117.13												
		75	0.49	-0.06	-3.60	-3.03	-0.63	-1.30	286.14	52.46	282.49	56.11 29.00
		39	0.67	1.25	-2.67	-2.66	1.24	-0.21	446.59	157.33	326.89	277.04 -
142.47												
72	94	141	0.51	-0.26	-2.32	-0.68	-1.90	-0.82	-13.69	-294.59	-13.69	-294.58 -0.78
		142	0.53	0.69	-1.01	-0.26	-0.06	0.84	221.94	-122.64	53.29	46.02 -
172.25												
		75	0.68	4.25	-0.10	3.44	0.72	1.70	-32.25	-386.54	-382.85	-35.94-35.98
		39	0.82	3.07	-1.17	3.07	-1.17	0.05	-270.63	-551.34	-449.80	-372.18
134.89												
72	95	141	0.46	2.62	0.52	0.79	2.35	0.71	204.02	-87.92	-83.03	199.13-37.46
		142	0.37	1.10	-0.82	0.28	8.13e-03	-0.95	36.24	-183.76	-126.41	-21.11 96.58
		75	0.40	-0.19	-5.16	-4.39	-0.96	-1.80	214.58	40.29	214.17	40.70 8.47
		39	0.58	1.43	-3.93	-3.92	1.42	-0.16	383.18	133.79	257.44	259.53 -
124.69												
72	96	141	0.49	-0.27	-1.73	-0.55	-1.45	-0.57	6.92	-279.00	6.27	-278.36 13.53
		142	0.58	0.33	-0.78	-0.32	-0.13	0.55	261.42	-124.27	72.86	64.29 -
192.80												
		75	0.77	2.70	-0.24	2.08	0.38	1.20	-43.52	-458.99	-451.16	-51.35-56.51
		39	0.91	1.81	-1.00	1.81	-0.99	0.10	-288.62	-620.30	-519.24	-389.69
152.67												
72	97	141	0.46	2.06	0.52	0.67	1.91	0.46	192.76	-111.36	-102.47	183.87-51.21
		142	0.42	0.88	-0.46	0.34	0.07	-0.66	35.40	-219.62	-145.12	-39.10
115.97												
		75	0.49	-0.06	-3.62	-3.05	-0.63	-1.31	282.67	52.98	279.07	56.58 28.51
		39	0.66	1.26	-2.69	-2.68	1.25	-0.21	442.76	155.69	323.22	275.24 -
141.52												

72	98	141	0.51	-0.26	-2.30	-0.67	-1.89	-0.82	-13.17	-293.62	-13.17	-293.62	-0.22
		142	0.53	0.68	-1.01	-0.26	-0.06	0.84	223.68	-123.22	54.15	46.31	-
173.41													
		75	0.69	4.23	-0.10	3.42	0.71	1.69	-31.72	-390.01	-386.26	-35.47	-36.46
		39	0.83	3.05	-1.17	3.05	-1.17	0.05	-272.19	-555.25	-453.47	-373.98	
135.84													
72	99	141	0.48	2.81	0.55	0.86	2.50	0.78	215.49	-90.25	-84.92	210.16	-40.01
		142	0.39	1.22	-0.90	0.31	0.01	-1.05	34.97	-199.05	-132.07	-32.00	
105.77													
		75	0.45	-0.21	-5.63	-4.78	-1.05	-1.96	238.94	36.48	238.45	36.97	9.93
		39	0.63	1.50	-4.29	-4.28	1.49	-0.16	415.73	144.53	285.71	274.55	-
135.49													
72	100	141	0.51	-0.30	-1.90	-0.60	-1.59	-0.63	10.21	-288.45	9.21	-287.46	17.21
		142	0.62	0.39	-0.89	-0.36	-0.14	0.63	282.31	-126.31	80.24	75.76	-
204.30													
		75	0.83	3.10	-0.23	2.43	0.45	1.34	-38.86	-490.10	-482.27	-46.69	-58.94
		39	0.97	2.14	-1.06	2.13	-1.06	0.09	-300.71	-662.45	-554.84	-408.32	
165.37													
72	101	141	0.48	2.22	0.54	0.72	2.05	0.52	202.75	-115.19	-105.41	192.97	-54.88
		142	0.45	0.99	-0.53	0.38	0.09	-0.75	35.75	-238.82	-152.51	-50.57	
127.47													
		75	0.55	-0.07	-4.03	-3.40	-0.70	-1.45	313.84	48.26	310.18	51.92	30.94
		39	0.73	1.32	-3.01	-3.01	1.31	-0.21	483.95	168.74	358.82	293.86	-
154.22													
72	102	141	0.53	-0.29	-2.50	-0.73	-2.05	-0.89	-11.26	-304.67	-11.28	-304.65	2.33
		142	0.56	0.76	-1.12	-0.29	-0.07	0.94	241.10	-124.10	59.81	57.20	-
182.60													
		75	0.74	4.69	-0.09	3.81	0.79	1.85	-27.98	-414.30	-410.54	-31.74	-37.92
		39	0.88	3.41	-1.24	3.41	-1.24	0.05	-281.58	-589.16	-481.73	-389.01	
146.64													
72	103	141	0.48	2.80	0.55	0.85	2.50	0.77	214.68	-90.93	-85.44	209.19	-40.57
		142	0.40	1.22	-0.89	0.31	0.02	-1.04	35.56	-200.79	-132.94	-32.29	
106.93													
		75	0.46	-0.21	-5.60	-4.76	-1.04	-1.95	242.39	35.98	241.87	36.50	10.41
		39	0.64	1.49	-4.27	-4.27	1.49	-0.16	419.46	146.27	289.38	276.35	-
136.44													
72	104	141	0.51	-0.30	-1.91	-0.61	-1.60	-0.63	9.62	-289.35	8.69	-288.43	16.64
		142	0.62	0.40	-0.90	-0.35	-0.14	0.64	280.58	-125.73	79.38	75.47	-
203.14													
		75	0.83	3.13	-0.23	2.45	0.46	1.35	-39.38	-486.63	-478.86	-47.15	-58.45
		39	0.97	2.15	-1.06	2.15	-1.06	0.10	-299.22	-658.47	-551.17	-406.52	
164.42													
72	105	141	0.48	2.24	0.55	0.73	2.05	0.52	203.51	-114.46	-104.89	193.94	-54.32
		142	0.45	0.99	-0.54	0.37	0.08	-0.75	35.14	-237.07	-151.64	-50.28	
126.32													
		75	0.54	-0.07	-4.06	-3.42	-0.71	-1.46	310.37	48.78	306.77	52.38	30.46
		39	0.72	1.33	-3.03	-3.02	1.32	-0.21	480.09	167.13	355.15	292.06	-
153.27													
72	106	141	0.53	-0.29	-2.49	-0.73	-2.04	-0.88	-10.73	-303.71	-10.76	-303.68	2.89
		142	0.57	0.75	-1.12	-0.29	-0.07	0.93	242.84	-124.68	60.67	57.49	-
183.75													
		75	0.74	4.66	-0.09	3.79	0.79	1.84	-27.46	-417.77	-413.95	-31.28	-38.41
		39	0.88	3.39	-1.24	3.39	-1.24	0.05	-283.12	-593.09	-485.40	-390.81	
147.59													
73	1	161	0.12	0.06	-0.09	0.02	-0.05	0.06	36.03	-47.62	-10.68	-0.91	41.54
		141	0.03	0.19	0.03	0.06	0.16	0.06	-9.92	-19.25	-13.61	-15.56	4.56
		39	0.17	0.07	-0.42	-0.41	0.06	0.06	-34.38	-107.91	-107.89	-34.41	-1.41
		144	0.20	-0.13	-0.46	-0.45	-0.14	0.06	-6.87	-117.85	-104.96	-19.77	35.56
73	2	161	0.38	0.24	-0.28	0.09	-0.13	0.23	115.18	-144.58	-16.98	-12.42	
129.86													
		141	0.14	0.59	0.07	0.21	0.45	0.23	-30.11	-92.59	-32.53	-90.17	12.06
		39	0.51	0.13	-1.57	-1.54	0.10	0.23	-148.16	-335.03	-332.94	-150.25	-19.67
		144	0.58	-0.43	-1.70	-1.65	-0.48	0.23	-38.03	-351.86	-317.39	-72.50	98.14
73	3	161	0.09	0.04	-0.06	0.01	-0.04	0.05	26.23	-34.81	-8.10	-0.48	30.28
		141	0.02	0.14	0.02	0.04	0.11	0.05	-6.96	-13.71	-10.11	-10.56	3.37
		39	0.12	0.05	-0.30	-0.29	0.05	0.05	-24.27	-78.75	-78.74	-24.28	-0.74
		144	0.14	-0.09	-0.33	-0.32	-0.10	0.05	-4.70	-86.24	-76.73	-14.21	26.17
73	4	161	0.35	0.23	-0.25	0.09	-0.12	0.22	105.42	-131.81	-14.40	-11.99	
118.61													
		141	0.13	0.54	0.06	0.19	0.41	0.22	-27.00	-87.20	-29.03	-85.17	10.86
		39	0.46	0.12	-1.45	-1.42	0.08	0.22	-137.95	-305.97	-303.79	-140.13	-19.00
		144	0.53	-0.40	-1.57	-1.53	-0.44	0.22	-35.85	-320.25	-289.15	-66.95	88.75

73	5	161	0.09	0.04	-0.07	0.01	-0.04	0.05	27.07	-35.84	-8.16	-0.61	31.23
		141	0.02	0.14	0.02	0.04	0.12	0.05	-7.35	-14.32	-10.31	-11.35	3.45
		39	0.12	0.05	-0.31	-0.30	0.05	0.05	-25.50	-81.16	-81.14	-25.52	-0.94
		144	0.15	-0.10	-0.35	-0.34	-0.11	0.05	-5.03	-88.74	-78.99	-14.77	26.84
73	6	161	0.27	0.17	-0.19	0.06	-0.09	0.16	79.81	-100.46	-12.36	-8.28	90.11
		141	0.10	0.41	0.05	0.15	0.31	0.16	-21.14	-62.88	-22.93	-61.10	8.44
		39	0.35	0.10	-1.08	-1.06	0.07	0.16	-101.42	-232.50	-231.18	-102.75	-13.11
		144	0.41	-0.30	-1.17	-1.14	-0.33	0.16	-25.80	-244.74	-220.61	-49.93	68.56
73	7	161	0.09	0.04	-0.07	0.01	-0.04	0.05	27.07	-35.84	-8.16	-0.61	31.23
		141	0.02	0.14	0.02	0.04	0.12	0.05	-7.35	-14.32	-10.31	-11.35	3.45
		39	0.12	0.05	-0.31	-0.30	0.05	0.05	-25.50	-81.16	-81.14	-25.52	-0.94
		144	0.15	-0.10	-0.35	-0.34	-0.11	0.05	-5.03	-88.74	-78.99	-14.77	26.84
73	8	161	0.21	0.13	-0.15	0.05	-0.07	0.13	63.95	-81.03	-11.10	-5.98	72.45
		141	0.07	0.33	0.04	0.11	0.26	0.13	-17.46	-47.86	-19.14	-46.17	6.95
		39	0.28	0.08	-0.85	-0.83	0.07	0.13	-78.75	-187.00	-186.17	-79.58	-9.45
		144	0.33	-0.24	-0.92	-0.90	-0.26	0.13	-19.57	-197.94	-178.13	-39.38	56.05
73	9	161	0.09	0.04	-0.07	0.01	-0.04	0.05	27.07	-35.84	-8.16	-0.61	31.23
		141	0.02	0.14	0.02	0.04	0.12	0.05	-7.35	-14.32	-10.31	-11.35	3.45
		39	0.12	0.05	-0.31	-0.30	0.05	0.05	-25.50	-81.16	-81.14	-25.52	-0.94
		144	0.15	-0.10	-0.35	-0.34	-0.11	0.05	-5.03	-88.74	-78.99	-14.77	26.84
73	10	161	0.20	0.12	-0.14	0.04	-0.07	0.12	58.67	-74.56	-10.68	-5.21	66.56
		141	0.06	0.30	0.04	0.10	0.24	0.12	-16.22	-42.86	-17.88	-41.20	6.45
		39	0.26	0.08	-0.77	-0.76	0.06	0.12	-71.18	-171.84	-171.16	-71.86	-8.24
		144	0.30	-0.22	-0.84	-0.82	-0.24	0.12	-17.50	-182.34	-163.97	-35.87	51.87
73	11	161	0.18	1.57	-1.52	0.48	-0.43	1.48	20.38	-70.04	-22.89	-26.77	45.16
		141	0.11	2.56	0.78	1.01	2.33	-0.60	46.78	-3.26	-3.25	46.78	0.34
		39	0.42	1.17	-5.13	-5.10	1.14	0.41	89.71	-135.29	-126.89	81.31	42.67
		144	0.44	-0.48	-6.82	-5.65	-1.65	2.46	12.28	-193.70	-147.51	-33.92	85.91
73	12	161	0.18	0.69	-0.67	0.23	-0.21	0.65	-9.29	-110.44	-100.09	-19.63	30.65
		141	0.38	0.59	0.37	0.37	0.58	0.02	-82.79	-254.12	-131.59	-205.32	77.32
		39	0.21	0.16	-2.07	-2.04	0.13	0.22	-22.81	-127.15	-24.63	-125.33	13.65
		144	0.12	-0.32	-2.57	-2.20	-0.69	0.83	43.73	-21.06	5.37	17.30	-31.84
73	13	161	0.33	0.39	-0.47	-0.14	0.07	-0.42	152.16	-64.23	78.72	9.21	
102.46													
		141	0.27	0.07	-0.35	-0.16	-0.11	0.21	175.21	43.53	95.82	122.92	-64.43
		39	0.53	0.53	-6.78e-03	0.53	-6.64e-03	8.55e-03	-15.38	-320.70	-317.70	-18.38	-30.12
		144	0.65	1.01	-0.24	0.56	0.21	-0.60	-28.68	-393.66	-333.31	-89.03	
135.59													
73	14	161	0.29	1.24	-1.34	-0.39	0.29	-1.25	97.20	-79.33	1.52	16.35	87.95
		141	0.23	-0.35	-2.31	-0.80	-1.86	0.83	-30.91	-130.79	-32.51	-129.18	12.56
		39	0.43	3.59	-1.02	3.59	-1.02	-0.17	-160.90	-279.56	-215.44	-225.02	-59.14
		144	0.35	5.23	-0.06	4.01	1.16	-2.23	-35.62	-182.62	-180.42	-37.81	17.83
73	15	161	0.18	1.60	-1.55	0.48	-0.44	1.51	22.15	-67.64	-19.45	-26.04	44.78
		141	0.12	2.63	0.79	1.03	2.40	-0.62	52.54	0.80	0.93	52.41	-2.61
		39	0.43	1.21	-5.23	-5.20	1.18	0.41	93.50	-136.46	-128.74	85.78	41.42
		144	0.45	-0.48	-6.96	-5.76	-1.68	2.52	12.95	-196.32	-150.06	-33.31	86.83
73	16	161	0.19	0.67	-0.65	0.22	-0.20	0.62	-10.06	-113.84	-103.53	-20.36	31.04
		141	0.39	0.53	0.34	0.35	0.52	0.05	-84.73	-262.00	-135.77	-210.95	80.27
		39	0.22	0.11	-1.97	-1.94	0.09	0.22	-20.74	-131.84	-22.77	-129.81	14.89
		144	0.12	-0.32	-2.42	-2.08	-0.66	0.77	45.36	-20.75	7.93	16.69	-32.76
73	17	161	0.33	0.37	-0.44	-0.13	0.06	-0.39	154.32	-62.22	82.16	9.94	
102.07													
		141	0.28	0.10	-0.28	-0.14	-0.04	0.19	183.15	45.41	100.01	128.55	-67.37
		39	0.54	0.43	0.04	0.43	0.04	0.02	-10.72	-322.74	-319.55	-13.90	-31.36
		144	0.65	0.87	-0.25	0.45	0.17	-0.54	-27.91	-396.37	-335.86	-88.42	
136.51													
73	18	161	0.29	1.27	-1.37	-0.40	0.30	-1.27	95.62	-81.92	-1.92	15.62	88.34
		141	0.24	-0.36	-2.39	-0.82	-1.92	0.85	-34.31	-137.20	-36.70	-134.81	15.50
		39	0.43	3.69	-1.07	3.69	-1.06	-0.18	-163.10	-279.98	-213.59	-229.50	-57.90
		144	0.35	5.38	-0.05	4.13	1.20	-2.29	-36.41	-179.89	-177.87	-38.43	16.91
73	19	161	0.18	1.54	-1.48	0.47	-0.42	1.44	22.95	-67.71	-18.09	-26.67	45.13
		141	0.12	2.50	0.77	0.99	2.28	-0.57	54.16	1.81	1.99	53.98	-3.07
		39	0.42	1.15	-5.00	-4.98	1.12	0.40	84.26	-138.53	-131.47	77.20	39.03
		144	0.45	-0.46	-6.66	-5.51	-1.61	2.40	13.30	-198.30	-152.25	-32.75	87.31
73	20	161	0.18	0.66	-0.64	0.22	-0.19	0.61	-8.71	-106.12	-95.30	-19.53	30.62
		141	0.37	0.55	0.34	0.35	0.54	0.05	-80.06	-244.40	-126.34	-198.13	73.92
		39	0.21	0.14	-1.94	-1.92	0.11	0.22	-28.22	-130.43	-29.21	-129.44	10.01
		144	0.12	-0.31	-2.40	-2.06	-0.65	0.77	41.27	-22.17	0.63	18.47	-30.44
73	21	161	0.33	0.35	-0.43	-0.13	0.06	-0.38	149.02	-65.98	73.93	9.11	
102.50													
		141	0.25	0.08	-0.30	-0.14	-0.07	0.19	165.46	40.85	90.58	115.72	-61.02
		39	0.52	0.41	0.01	0.41	0.01	9.91e-03	-11.94	-315.44	-313.12	-14.27	-26.48

		144	0.64	0.85	-0.26	0.43	0.17	-0.54	-29.91	-388.85	-328.56	-90.20
134.19												
73	22	161	0.29	1.20	-1.31	-0.38	0.28	-1.21	95.01	-82.04	-3.28	16.25 87.99
		141	0.24	-0.34	-2.26	-0.78	-1.81	0.81	-35.24	-138.90	-37.75	-136.38 15.96
		39	0.41	3.47	-1.00	3.46	-1.00	-0.17	-160.16	-271.61	-210.86	-220.91-55.50
		144	0.34	5.07	-0.07	3.88	1.12	-2.17	-37.04	-177.62	-175.68	-38.98 16.43
73	23	161	0.18	1.56	-1.51	0.47	-0.42	1.47	24.80	-65.39	-14.65	-25.94 44.74
		141	0.13	2.58	0.79	1.01	2.35	-0.60	60.28	5.51	6.18	59.61 -6.01
		39	0.43	1.19	-5.10	-5.08	1.17	0.41	88.12	-139.77	-133.32	81.67 37.78
		144	0.46	-0.47	-6.80	-5.63	-1.64	2.46	13.98	-200.93	-154.81	-32.14 88.23
73	24	161	0.18	0.63	-0.61	0.21	-0.19	0.59	-9.49	-109.51	-98.74	-20.26 31.00
		141	0.38	0.50	0.30	0.33	0.47	0.07	-82.01	-252.28	-130.53	-203.76 76.86
		39	0.22	0.10	-1.84	-1.82	0.07	0.21	-26.18	-135.09	-27.36	-133.92 11.25
		144	0.12	-0.30	-2.26	-1.95	-0.62	0.72	42.73	-21.69	3.18	17.85-31.36
73	25	161	0.33	0.33	-0.40	-0.13	0.05	-0.36	151.15	-63.94	77.37	9.84
102.11												
		141	0.26	0.11	-0.24	-0.12	-5.82e-04	0.16	173.40	42.72	94.76	121.36-63.97
		39	0.53	0.31	0.05	0.31	0.05	0.02	-7.30	-317.47	-314.97	-9.79-27.72
		144	0.64	0.72	-0.27	0.31	0.13	-0.49	-29.14	-391.56	-331.11	-89.59
135.11												
73	26	161	0.29	1.23	-1.33	-0.39	0.29	-1.24	93.47	-84.67	-6.72	15.52 88.37
		141	0.25	-0.35	-2.33	-0.80	-1.88	0.83	-38.49	-145.46	-41.94	-142.01 18.91
		39	0.41	3.57	-1.05	3.56	-1.04	-0.18	-162.32	-272.07	-209.00	-225.39-54.26
		144	0.34	5.22	-0.07	3.99	1.16	-2.23	-37.82	-174.90	-173.12	-39.60 15.51
73	27	161	0.36	1.88	-1.84	0.55	-0.51	1.79	143.42	-63.18	102.75	-22.51 82.15
		141	0.68	3.93	0.93	1.34	3.51	-1.04	420.17	128.52	181.14	367.55 -
112.15												
		39	1.01	1.94	-6.72	-6.70	1.92	0.48	291.81	-317.28	-312.97	287.50 51.05
		144	1.05	-0.56	-9.06	-7.50	-2.12	3.29	25.99	-529.86	-390.90	-112.96
240.68												
73	28	161	0.28	0.99	-1.04	-0.28	0.23	-0.98	8.30	-161.60	-154.60	1.29 33.78
		141	0.84	-0.26	-2.83	-0.78	-2.31	1.03	-176.24	-543.18	-246.63	-472.79
144.47												
		39	0.76	3.50	-1.45	3.49	-1.45	-0.13	32.69	-406.12	27.89	-401.31-45.69
		144	0.55	5.13	-0.05	4.00	1.08	-2.14	243.10	-66.63	118.71	57.76 -
151.84												
73	29	161	0.40	1.27	-1.27	0.37	-0.36	1.22	183.72	-62.20	133.23	-11.71 99.34
		141	0.73	3.08	0.69	0.99	2.78	-0.80	459.91	141.35	210.87	390.39 -
131.58												
		39	1.01	1.59	-5.03	-5.01	1.57	0.36	258.95	-371.57	-370.21	257.60 29.21
		144	1.10	-0.47	-6.73	-5.64	-1.56	2.37	12.71	-588.85	-446.64	-129.50
255.58												
73	30	161	0.28	1.56	-1.65	-0.46	0.38	-1.55	29.05	-141.08	-124.12	12.09 50.97
		141	0.80	-0.50	-3.68	-1.14	-3.04	1.27	-162.51	-504.35	-216.91	-449.95
125.04												
		39	0.79	5.19	-1.80	5.18	-1.79	-0.25	-18.32	-442.26	-29.36	-431.21-67.52
		144	0.51	7.47	0.03	5.86	1.64	-3.06	189.47	-85.27	62.97	41.23 -
136.94												
73	31	161	0.36	1.87	-1.83	0.55	-0.51	1.77	144.57	-62.86	104.19	-22.48 82.14
		141	0.68	3.91	0.92	1.34	3.50	-1.03	423.01	129.42	182.72	369.71 -
113.17												
		39	1.01	1.94	-6.68	-6.66	1.91	0.48	290.39	-318.47	-314.34	286.27 49.96
		144	1.05	-0.55	-9.01	-7.46	-2.11	3.28	26.26	-531.20	-392.33	-112.61
241.10												
73	32	161	0.28	1.00	-1.05	-0.28	0.23	-0.99	8.38	-160.22	-153.16	1.32 33.77
		141	0.84	-0.27	-2.84	-0.79	-2.32	1.04	-175.36	-540.33	-245.06	-470.63
143.45												
		39	0.76	3.53	-1.45	3.53	-1.45	-0.13	31.55	-407.58	26.51	-402.54-46.78
		144	0.55	5.18	-0.05	4.04	1.09	-2.16	241.98	-66.58	117.29	58.11 -
151.42												
73	33	161	0.40	1.28	-1.28	0.37	-0.37	1.23	182.58	-62.53	131.79	-11.74 99.35
		141	0.72	3.10	0.69	1.00	2.79	-0.80	457.03	140.49	209.29	388.23 -
130.56												
		39	1.01	1.60	-5.06	-5.04	1.58	0.36	260.29	-370.30	-368.84	258.83 30.30
		144	1.10	-0.47	-6.78	-5.68	-1.57	2.39	12.42	-587.49	-445.22	-129.85
255.16												
73	34	161	0.28	1.55	-1.64	-0.46	0.37	-1.54	28.88	-142.38	-125.56	12.06 50.98
		141	0.80	-0.50	-3.66	-1.13	-3.03	1.26	-163.43	-507.16	-218.48	-452.11
126.07												
		39	0.79	5.15	-1.79	5.14	-1.79	-0.25	-17.29	-440.67	-27.98	-429.98-66.43
		144	0.52	7.42	0.03	5.82	1.62	-3.04	190.50	-85.22	64.40	40.88 -
137.36												

73	35	161	0.36	1.97	-1.94	0.57	-0.54	1.87	152.17	-58.03	114.22	-20.07	80.85
		141	0.72	4.18	0.97	1.42	3.74	-1.11	445.68	135.74	195.09	386.32	-
121.96													
		39	1.04	2.09	-7.06	-7.03	2.06	0.51	305.94	-322.67	-319.15	302.42	46.90
		144	1.07	-0.57	-9.54	-7.88	-2.23	3.48	28.07	-538.39	-399.41	-110.92	
243.75													
73	36	161	0.30	1.08	-1.13	-0.30	0.25	-1.07	6.01	-173.22	-166.07	-1.14	35.07
		141	0.89	-0.31	-3.08	-0.86	-2.53	1.10	-183.35	-568.80	-260.58	-491.57	
154.29													
		39	0.80	3.83	-1.59	3.83	-1.59	-0.16	37.87	-420.03	34.07	-416.23	-41.54
		144	0.57	5.61	-0.04	4.38	1.19	-2.33	250.44	-67.51	127.21	55.72	-
154.90													
73	37	161	0.41	1.36	-1.36	0.39	-0.39	1.30	192.37	-56.95	144.70	-9.28	98.04
		141	0.77	3.34	0.73	1.07	3.00	-0.87	485.77	148.21	224.82	409.17	-
141.39													
		39	1.05	1.74	-5.36	-5.34	1.72	0.39	273.48	-377.36	-376.40	272.51	25.07
		144	1.12	-0.48	-7.21	-6.02	-1.67	2.56	14.88	-597.48	-455.14	-127.45	
258.65													
73	38	161	0.30	1.66	-1.74	-0.49	0.40	-1.64	26.50	-152.44	-135.59	9.65	52.26
		141	0.84	-0.54	-3.93	-1.21	-3.26	1.34	-169.98	-529.60	-230.86	-468.72	
134.86													
		39	0.83	5.53	-1.94	5.52	-1.93	-0.28	-13.88	-455.43	-23.17	-446.13	-63.38
		144	0.53	7.95	0.04	6.25	1.74	-3.25	196.26	-85.60	71.48	39.19	-
140.00													
73	39	161	0.37	1.96	-1.93	0.57	-0.54	1.86	153.35	-57.74	115.66	-20.04	80.84
		141	0.73	4.17	0.97	1.41	3.72	-1.11	448.53	136.62	196.67	388.48	-
122.98													
		39	1.04	2.08	-7.02	-6.99	2.05	0.51	304.55	-323.88	-320.53	301.19	45.81
		144	1.08	-0.56	-9.49	-7.84	-2.21	3.46	28.34	-539.74	-400.83	-110.57	
244.17													
73	40	161	0.30	1.09	-1.14	-0.30	0.26	-1.08	6.09	-171.83	-164.63	-1.11	35.06
		141	0.88	-0.31	-3.10	-0.86	-2.55	1.11	-182.48	-565.94	-259.01	-489.41	
153.26													
		39	0.80	3.87	-1.60	3.87	-1.59	-0.16	36.70	-421.46	32.69	-417.46	-42.64
		144	0.57	5.66	-0.04	4.43	1.20	-2.35	249.30	-67.44	125.79	56.07	-
154.48													
73	41	161	0.41	1.37	-1.37	0.39	-0.39	1.31	191.21	-57.26	143.26	-9.31	98.05
		141	0.76	3.35	0.73	1.07	3.02	-0.88	482.89	147.36	223.24	407.01	-
140.37													
		39	1.05	1.74	-5.40	-5.38	1.72	0.39	274.80	-376.07	-375.02	273.75	26.16
		144	1.12	-0.49	-7.26	-6.06	-1.68	2.58	14.59	-596.11	-453.72	-127.80	
258.23													
73	42	161	0.30	1.65	-1.73	-0.48	0.40	-1.63	26.35	-153.75	-137.03	9.62	52.27
		141	0.84	-0.54	-3.91	-1.20	-3.25	1.34	-170.89	-532.43	-232.43	-470.88	
135.88													
		39	0.82	5.49	-1.94	5.48	-1.93	-0.28	-12.82	-453.88	-21.80	-444.90	-62.29
		144	0.54	7.90	0.04	6.21	1.73	-3.23	197.32	-85.58	72.90	38.83	-
140.42													
73	43	161	0.18	1.27	-1.23	0.38	-0.35	1.19	28.69	-70.65	-19.92	-22.04	49.66
		141	0.08	2.06	0.66	0.82	1.89	-0.45	28.65	-5.90	-5.85	28.60	1.30
		39	0.37	0.94	-4.22	-4.19	0.92	0.35	54.73	-141.84	-136.56	49.46	31.77
		144	0.41	-0.43	-5.56	-4.64	-1.35	1.97	5.38	-191.15	-151.42	-34.35	78.92
73	44	161	0.17	0.57	-0.56	0.19	-0.18	0.54	1.15	-98.86	-81.10	-16.61	38.22
		141	0.31	0.52	0.30	0.31	0.51	0.04	-69.42	-209.36	-107.56	-171.22	62.31
		39	0.17	0.14	-1.79	-1.77	0.12	0.20	-54.28	-115.62	-55.57	-114.32	8.81
		144	0.09	-0.31	-2.20	-1.91	-0.59	0.68	11.21	-35.28	-30.28	6.21	-14.40
73	45	161	0.30	0.28	-0.34	-0.10	0.04	-0.30	131.56	-65.64	59.73	6.19	94.89
		141	0.20	0.12	-0.26	-0.10	-0.04	0.19	130.46	30.16	71.80	88.82	-49.42
		39	0.47	0.26	3.84e-03	0.26	7.65e-03	0.03	-26.93	-289.21	-286.75	-29.39	-25.29
		144	0.57	0.65	-0.26	0.27	0.11	-0.45	-26.47	-349.13	-297.65	-77.94	
118.15													
73	46	161	0.27	0.95	-1.04	-0.30	0.22	-0.96	88.79	-78.62	-1.45	11.62	83.45
		141	0.19	-0.22	-1.81	-0.61	-1.42	0.68	-28.29	-112.63	-29.91	-111.00	11.60
		39	0.38	2.68	-0.80	2.68	-0.79	-0.11	-150.82	-248.12	-205.76	-193.17	-48.24
		144	0.34	3.98	-0.10	3.00	0.87	-1.74	-33.09	-180.81	-176.51	-37.39	24.82
73	47	161	0.18	1.29	-1.26	0.39	-0.36	1.21	30.09	-68.71	-17.19	-21.42	49.35
		141	0.08	2.12	0.67	0.84	1.95	-0.46	33.10	-2.56	-2.53	33.07	-1.04
		39	0.38	0.98	-4.30	-4.27	0.95	0.35	57.84	-142.87	-138.03	53.01	30.78
		144	0.42	-0.43	-5.68	-4.73	-1.38	2.02	5.94	-193.25	-153.44	-33.86	79.65
73	48	161	0.18	0.55	-0.54	0.18	-0.17	0.52	0.40	-101.45	-83.82	-17.23	38.53
		141	0.32	0.48	0.27	0.30	0.46	0.06	-70.97	-215.59	-110.88	-175.68	64.65
		39	0.18	0.11	-1.71	-1.69	0.08	0.19	-52.63	-119.35	-54.10	-117.87	9.80

		144	0.08	-0.30	-2.08	-1.81	-0.57	0.64	11.48	-34.02	-28.26	5.72-15.13
73	49	161	0.30	0.26	-0.32	-0.09	0.03	-0.28	133.22	-63.96	62.46	6.81 94.58
		141	0.21	0.14	-0.21	-0.09	0.01	0.17	136.74	31.66	75.12	93.28-51.75
		39	0.47	0.19	0.03	0.18	0.04	0.04	-23.23	-290.83	-288.22	-25.84-26.28
		144	0.57	0.54	-0.27	0.18	0.09	-0.40	-25.85	-351.28	-299.67	-77.46
118.88												
73	50	161	0.27	0.98	-1.06	-0.30	0.22	-0.98	87.52	-80.69	-4.18	11.00 83.76
		141	0.20	-0.24	-1.87	-0.63	-1.48	0.70	-30.93	-117.76	-33.23	-115.47 13.93
		39	0.38	2.76	-0.83	2.76	-0.83	-0.12	-153.10	-247.91	-204.29	-196.72-47.25
		144	0.33	4.09	-0.10	3.09	0.90	-1.78	-33.75	-178.61	-174.49	-37.87 24.10
73	51	161	0.18	1.24	-1.20	0.38	-0.34	1.17	30.78	-68.69	-15.98	-21.94 49.65
		141	0.08	2.01	0.65	0.81	1.86	-0.43	34.39	-1.61	-1.55	34.32 -1.51
		39	0.37	0.93	-4.12	-4.09	0.90	0.34	50.53	-144.66	-140.32	46.19 28.78
		144	0.42	-0.42	-5.43	-4.53	-1.32	1.93	6.24	-194.96	-155.31	-33.42 80.04
73	52	161	0.17	0.54	-0.53	0.18	-0.17	0.51	1.95	-95.61	-77.15	-16.51 38.21
		141	0.30	0.49	0.28	0.30	0.48	0.06	-67.23	-201.53	-103.26	-165.50 59.51
		39	0.17	0.13	-1.69	-1.67	0.10	0.20	-58.75	-118.17	-59.33	-117.60 5.82
		144	0.09	-0.29	-2.06	-1.80	-0.56	0.63	11.04	-38.07	-34.17	7.14-13.29
73	53	161	0.30	0.25	-0.31	-0.09	0.03	-0.27	129.04	-67.17	55.79	6.09 94.91
		141	0.19	0.13	-0.22	-0.09	-4.18e-03	0.17	122.56	28.03	67.50	83.10-46.62
		39	0.46	0.16	0.01	0.16	0.02	0.03	-24.19	-284.92	-283.00	-26.12-22.30
		144	0.56	0.52	-0.28	0.16	0.08	-0.40	-27.44	-345.19	-293.77	-78.87
117.03												
73	54	161	0.27	0.92	-1.01	-0.29	0.21	-0.93	86.96	-80.83	-5.39	11.51 83.47
		141	0.20	-0.22	-1.76	-0.60	-1.39	0.66	-31.77	-119.17	-34.22	-116.72 14.40
		39	0.37	2.58	-0.78	2.58	-0.78	-0.11	-150.30	-241.61	-202.01	-189.90-45.25
		144	0.33	3.85	-0.11	2.89	0.84	-1.69	-34.25	-176.69	-172.63	-38.31 23.71
73	55	161	0.18	1.26	-1.22	0.38	-0.35	1.19	32.22	-66.79	-13.25	-21.32 49.34
		141	0.09	2.07	0.66	0.82	1.91	-0.45	39.18	1.37	1.77	38.79 -3.84
		39	0.38	0.96	-4.20	-4.17	0.94	0.35	53.68	-145.74	-141.79	49.73 27.79
		144	0.42	-0.42	-5.55	-4.62	-1.35	1.97	6.81	-197.07	-157.33	-32.93 80.77
73	56	161	0.17	0.52	-0.51	0.18	-0.16	0.49	1.18	-98.18	-79.88	-17.12 38.51
		141	0.31	0.46	0.25	0.28	0.42	0.08	-68.78	-207.76	-106.58	-169.96 61.84
		39	0.18	0.09	-1.61	-1.59	0.07	0.19	-57.13	-121.87	-57.86	-121.15 6.81
		144	0.09	-0.29	-1.95	-1.71	-0.54	0.59	11.19	-36.68	-32.14	6.65-14.02
73	57	161	0.30	0.23	-0.29	-0.09	0.02	-0.25	130.69	-65.48	58.51	6.70 94.60
		141	0.20	0.15	-0.18	-0.07	0.05	0.15	128.85	29.53	70.82	87.56-48.95
		39	0.46	0.11	0.03	0.08	0.06	0.04	-20.51	-286.52	-284.47	-22.57-23.29
		144	0.56	0.42	-0.30	0.07	0.05	-0.36	-26.82	-347.35	-295.79	-78.39
117.76												
73	58	161	0.27	0.94	-1.03	-0.30	0.21	-0.95	85.70	-82.93	-8.12	10.90 83.78
		141	0.21	-0.23	-1.82	-0.61	-1.44	0.68	-34.31	-124.41	-37.53	-121.19 16.73
		39	0.37	2.66	-0.82	2.66	-0.81	-0.12	-152.59	-241.40	-200.54	-193.45-44.26
		144	0.32	3.96	-0.11	2.98	0.86	-1.74	-34.91	-174.49	-170.60	-38.80 22.98
73	59	161	0.31	1.51	-1.49	0.44	-0.42	1.44	123.20	-62.36	79.33	-18.49 78.84
		141	0.53	3.14	0.78	1.09	2.83	-0.80	324.44	98.35	139.99	282.80-87.64
		39	0.83	1.55	-5.48	-5.46	1.53	0.40	215.92	-286.60	-283.62	212.94 38.58
		144	0.89	-0.49	-7.34	-6.11	-1.73	2.63	15.94	-456.79	-343.93	-96.92
201.53												
73	60	161	0.25	0.75	-0.80	-0.21	0.16	-0.76	11.75	-136.75	-124.59	-0.40 40.70
		141	0.68	-0.16	-2.22	-0.60	-1.78	0.84	-143.24	-439.09	-199.05	-383.27
115.75												
		39	0.60	2.61	-1.13	2.61	-1.13	-0.08	-9.21	-337.45	-13.65	-333.00-37.94
		144	0.39	3.90	-0.10	3.00	0.80	-1.67	159.15	-61.02	59.87	38.27 -
109.55												
73	61	161	0.35	1.03	-1.03	0.30	-0.30	0.99	154.98	-61.78	103.23	-10.02 92.41
		141	0.56	2.47	0.59	0.81	2.25	-0.61	355.82	108.34	163.29	300.87 -
102.86												
		39	0.84	1.28	-4.14	-4.12	1.26	0.31	190.18	-329.56	-328.67	189.29 21.46
		144	0.93	-0.42	-5.50	-4.63	-1.29	1.91	5.64	-503.44	-387.80	-110.00
213.30												
73	62	161	0.25	1.21	-1.29	-0.36	0.28	-1.21	30.52	-123.15	-100.70	8.07 54.27
		141	0.65	-0.35	-2.89	-0.88	-2.36	1.03	-132.35	-408.61	-175.76	-365.20
100.53												
		39	0.62	3.95	-1.41	3.95	-1.41	-0.17	-48.86	-366.50	-58.71	-356.66-55.06
		144	0.36	5.75	-0.03	4.47	1.24	-2.40	118.49	-77.30	16.00	25.19-97.79
73	63	161	0.31	1.51	-1.48	0.44	-0.42	1.43	124.11	-62.05	80.51	-18.46 78.83
		141	0.53	3.13	0.77	1.08	2.82	-0.79	326.74	99.07	141.28	284.52-88.48
		39	0.83	1.55	-5.45	-5.43	1.53	0.40	214.80	-287.59	-284.74	211.96 37.68
		144	0.89	-0.49	-7.30	-6.07	-1.72	2.62	16.16	-457.90	-345.10	-96.64
201.87												
73	64	161	0.24	0.76	-0.81	-0.21	0.17	-0.76	11.88	-135.66	-123.41	-0.37 40.70

		141	0.68	-0.16	-2.23	-0.60	-1.79	0.85	-142.52	-436.79	-197.76	-381.55	
114.91													
		39	0.60	2.64	-1.14	2.64	-1.14	-0.08	-10.12	-338.64	-14.78	-333.98	-38.84
		144	0.39	3.94	-0.10	3.03	0.81	-1.69	158.31	-61.06	58.70	38.55	-
109.22													
73	65	161	0.35	1.04	-1.04	0.30	-0.31	1.00	154.08	-62.09	102.04	-10.05	92.41
		141	0.56	2.49	0.59	0.81	2.26	-0.61	353.50	107.65	162.00	299.15	-
102.02													
		39	0.84	1.28	-4.17	-4.15	1.26	0.31	191.23	-328.51	-327.55	190.27	22.36
		144	0.93	-0.43	-5.54	-4.67	-1.30	1.92	5.41	-502.32	-386.63	-110.28	
212.97													
73	66	161	0.25	1.20	-1.28	-0.36	0.28	-1.20	30.32	-124.17	-101.88	8.04	54.28
		141	0.65	-0.35	-2.87	-0.87	-2.35	1.03	-133.10	-410.87	-177.05	-366.92	
101.38													
		39	0.62	3.92	-1.41	3.92	-1.40	-0.17	-48.05	-365.21	-57.58	-355.67	-54.16
		144	0.36	5.71	-0.04	4.44	1.23	-2.39	119.24	-77.16	17.17	24.91	-98.12
73	67	161	0.32	1.58	-1.56	0.46	-0.44	1.51	129.82	-57.83	88.42	-16.44	77.81
		141	0.56	3.34	0.81	1.14	3.01	-0.86	344.70	104.03	151.05	297.69	-95.42
		39	0.86	1.67	-5.75	-5.73	1.65	0.43	227.18	-290.93	-288.52	224.77	35.28
		144	0.91	-0.50	-7.72	-6.41	-1.81	2.78	17.64	-463.62	-350.67	-95.30	
203.96													
73	68	161	0.26	0.83	-0.87	-0.23	0.18	-0.83	9.70	-145.83	-133.68	-2.45	41.73
		141	0.71	-0.20	-2.42	-0.66	-1.96	0.90	-148.89	-459.37	-210.11	-398.15	
123.53													
		39	0.62	2.88	-1.25	2.88	-1.25	-0.10	-5.22	-348.36	-8.75	-344.83	-34.63
		144	0.40	4.28	-0.09	3.30	0.89	-1.82	164.61	-61.35	66.61	36.65	-
111.98													
73	69	161	0.36	1.10	-1.11	0.32	-0.32	1.06	161.57	-57.22	112.32	-7.97	91.38
		141	0.60	2.67	0.62	0.87	2.43	-0.67	376.34	113.75	174.35	315.75	-
110.63													
		39	0.87	1.39	-4.41	-4.39	1.37	0.33	201.73	-334.19	-333.58	201.11	18.16
		144	0.95	-0.43	-5.88	-4.94	-1.37	2.06	7.40	-510.33	-394.54	-108.38	
215.73													
73	70	161	0.27	1.28	-1.36	-0.38	0.30	-1.27	28.18	-131.96	-109.79	6.02	55.30
		141	0.68	-0.38	-3.09	-0.93	-2.54	1.09	-138.30	-428.60	-186.81	-380.09	
108.31													
		39	0.65	4.22	-1.53	4.21	-1.52	-0.19	-45.51	-376.77	-53.81	-368.48	-51.75
		144	0.38	6.13	-0.02	4.78	1.33	-2.55	123.37	-77.06	22.74	23.57	-
100.21													
73	71	161	0.32	1.58	-1.55	0.46	-0.44	1.50	130.74	-57.55	89.60	-16.41	77.80
		141	0.56	3.33	0.81	1.14	3.00	-0.85	347.00	104.74	152.34	299.40	-96.26
		39	0.86	1.67	-5.72	-5.69	1.64	0.43	226.08	-291.94	-289.65	223.79	34.38
		144	0.91	-0.50	-7.68	-6.38	-1.80	2.77	17.87	-464.73	-351.84	-95.02	
204.30													
73	72	161	0.26	0.84	-0.88	-0.23	0.19	-0.83	9.81	-144.74	-132.50	-2.42	41.73
		141	0.71	-0.20	-2.43	-0.66	-1.97	0.90	-148.19	-457.07	-208.82	-396.43	
122.69													
		39	0.62	2.91	-1.25	2.91	-1.25	-0.10	-6.16	-349.53	-9.88	-345.81	-35.53
		144	0.40	4.32	-0.09	3.34	0.90	-1.84	163.74	-61.37	65.45	36.92	-
111.65													
73	73	161	0.36	1.11	-1.12	0.32	-0.33	1.07	160.65	-57.52	111.13	-8.00	91.38
		141	0.59	2.69	0.62	0.87	2.44	-0.67	374.02	113.07	173.06	314.03	-
109.79													
		39	0.87	1.40	-4.44	-4.42	1.38	0.33	202.78	-333.13	-332.45	202.10	19.06
		144	0.95	-0.44	-5.92	-4.97	-1.38	2.07	7.17	-509.20	-393.38	-108.66	
215.39													
73	74	161	0.27	1.27	-1.35	-0.37	0.30	-1.27	28.00	-132.99	-110.97	5.98	55.31
		141	0.68	-0.38	-3.07	-0.93	-2.53	1.08	-139.03	-430.88	-188.11	-381.80	
109.15													
		39	0.65	4.19	-1.52	4.18	-1.51	-0.19	-44.67	-375.51	-52.68	-367.50	-50.85
		144	0.38	6.09	-0.03	4.74	1.32	-2.54	124.15	-76.95	23.91	23.29	-
100.55													
73	75	161	0.18	1.07	-1.05	0.33	-0.30	1.01	33.78	-71.38	-18.44	-19.16	52.58
		141	0.06	1.72	0.58	0.70	1.61	-0.35	16.69	-8.27	-8.06	16.48	2.28
		39	0.34	0.79	-3.62	-3.60	0.77	0.31	31.97	-145.99	-142.43	28.41	24.92
		144	0.39	-0.40	-4.74	-3.98	-1.16	1.65	1.04	-189.11	-153.46	-34.61	74.21
73	76	161	0.17	0.49	-0.49	0.16	-0.16	0.46	9.13	-92.80	-69.00	-14.67	43.12
		141	0.27	0.48	0.26	0.28	0.46	0.06	-60.58	-180.19	-92.12	-148.65	52.70
		39	0.17	0.13	-1.62	-1.60	0.11	0.19	-74.41	-108.02	-75.50	-106.94	5.94
		144	0.11	-0.29	-1.96	-1.72	-0.53	0.58	-0.93	-53.51	-53.35	-1.09	-2.91
73	77	161	0.28	0.21	-0.26	-0.08	0.02	-0.23	118.51	-66.63	47.63	4.25	90.00
		141	0.16	0.15	-0.21	-0.07	8.23e-03	0.18	101.42	21.19	56.35	66.25	-39.81

		39	0.42	0.11	-6.10e-03	0.08	0.02	0.05	-34.61	-269.00	-266.83	-36.77-22.42
		144	0.52	0.42	-0.28	0.08	0.05	-0.35	-25.06	-320.17	-274.58	-70.65
106.66												
73	78	161	0.26	0.76	-0.84	-0.24	0.17	-0.78	83.66	-77.84	-2.93	8.74 80.54
		141	0.17	-0.14	-1.48	-0.49	-1.13	0.58	-26.15	-100.43	-27.70	-98.88 10.62
		39	0.35	2.09	-0.65	2.08	-0.64	-0.07	-142.35	-229.67	-199.89	-172.13-41.39
		144	0.33	3.15	-0.13	2.34	0.68	-1.42	-31.05	-180.55	-174.47	-37.13 29.53
73	79	161	0.18	1.08	-1.06	0.33	-0.31	1.02	34.91	-69.76	-16.19	-18.66 52.32
		141	0.06	1.77	0.58	0.71	1.65	-0.36	20.17	-5.32	-5.32	20.17 0.35
		39	0.35	0.82	-3.69	-3.66	0.80	0.31	34.60	-146.91	-143.65	31.35 24.10
		144	0.40	-0.40	-4.83	-4.05	-1.18	1.69	1.53	-190.86	-155.13	-34.20 74.82
73	80	161	0.17	0.48	-0.47	0.16	-0.15	0.45	8.43	-94.86	-71.26	-15.18 43.37
		141	0.28	0.45	0.24	0.26	0.42	0.07	-61.87	-185.33	-94.86	-152.34 54.63
		39	0.17	0.10	-1.55	-1.53	0.08	0.18	-73.04	-111.11	-74.28	-109.87 6.76
		144	0.11	-0.29	-1.86	-1.64	-0.51	0.55	-1.25	-51.92	-51.68	-1.49 -3.51
73	81	161	0.28	0.19	-0.25	-0.07	0.02	-0.21	119.85	-65.21	49.89	4.75 89.74
		141	0.17	0.17	-0.17	-0.05	0.05	0.16	106.61	22.43	59.10	69.94-41.74
		39	0.43	0.09	-0.02	0.02	0.05	0.05	-31.56	-270.33	-268.05	-33.84-23.24
		144	0.52	0.33	-0.30	7.64e-03	0.03	-0.31	-24.54	-321.96	-276.25	-70.24
107.26												
73	82	161	0.26	0.78	-0.85	-0.24	0.17	-0.79	82.60	-79.54	-5.18	8.24 80.79
		141	0.18	-0.15	-1.53	-0.50	-1.18	0.60	-28.33	-104.69	-30.45	-102.57 12.55
		39	0.35	2.15	-0.67	2.15	-0.67	-0.08	-144.61	-229.13	-198.68	-175.06-40.58
		144	0.32	3.25	-0.13	2.42	0.70	-1.46	-31.60	-178.72	-172.80	-37.53 28.93
73	83	161	0.18	1.04	-1.02	0.32	-0.30	0.98	35.48	-69.73	-15.17	-19.07 52.57
		141	0.06	1.69	0.57	0.68	1.58	-0.34	21.21	-4.50	-4.50	21.21 -0.05
		39	0.34	0.78	-3.54	-3.52	0.76	0.30	28.60	-148.44	-145.55	25.71 22.44
		144	0.40	-0.39	-4.63	-3.89	-1.13	1.61	1.79	-192.31	-156.69	-33.84 75.14
73	84	161	0.17	0.47	-0.46	0.16	-0.15	0.44	9.97	-90.28	-65.74	-14.57 43.11
		141	0.26	0.46	0.24	0.27	0.43	0.07	-58.76	-173.73	-88.56	-143.93 50.38
		39	0.17	0.12	-1.54	-1.51	0.10	0.19	-78.23	-110.03	-78.62	-109.65 3.47
		144	0.12	-0.29	-1.85	-1.63	-0.51	0.55	-0.25	-56.64	-56.57	-0.32 -1.99
73	85	161	0.28	0.18	-0.24	-0.07	0.01	-0.21	116.48	-67.96	44.37	4.15 90.00
		141	0.15	0.16	-0.18	-0.06	0.04	0.16	94.90	19.42	52.79	61.53-37.49
		39	0.42	0.06	-0.03	3.24e-04	0.03	0.05	-32.35	-265.43	-263.71	-34.07-19.94
		144	0.51	0.32	-0.30	-7.33e-03	0.02	-0.31	-25.87	-316.90	-271.36	-71.41
105.73												
73	86	161	0.25	0.74	-0.81	-0.23	0.16	-0.75	82.11	-79.66	-6.19	8.65 80.55
		141	0.18	-0.14	-1.44	-0.48	-1.11	0.57	-29.02	-105.85	-31.26	-103.61 12.94
		39	0.34	2.00	-0.63	2.00	-0.63	-0.07	-141.85	-224.35	-196.77	-169.42-38.92
		144	0.32	3.05	-0.14	2.25	0.65	-1.38	-32.02	-177.12	-171.24	-37.89 28.61
73	87	161	0.18	1.06	-1.04	0.32	-0.30	1.00	36.65	-68.13	-12.92	-18.56 52.31
		141	0.07	1.74	0.58	0.70	1.62	-0.35	25.04	-1.90	-1.76	24.90 -1.97
		39	0.35	0.81	-3.60	-3.58	0.79	0.31	31.27	-149.39	-146.77	28.64 21.62
		144	0.40	-0.39	-4.72	-3.96	-1.16	1.65	2.27	-194.07	-158.36	-33.44 75.74
73	88	161	0.17	0.45	-0.44	0.15	-0.15	0.42	9.26	-92.33	-67.99	-15.08 43.36
		141	0.27	0.43	0.21	0.25	0.39	0.09	-60.05	-178.87	-91.30	-147.62 52.31
		39	0.17	0.09	-1.47	-1.45	0.07	0.18	-76.89	-113.09	-77.40	-112.58 4.29
		144	0.11	-0.28	-1.76	-1.55	-0.49	0.51	-0.60	-55.03	-54.90	-0.72 -2.59
73	89	161	0.28	0.16	-0.22	-0.07	7.64e-03	-0.19	117.81	-66.53	46.62	4.66 89.75
		141	0.16	0.18	-0.14	-0.04	0.08	0.15	100.09	20.66	55.54	65.22-39.42
		39	0.42	0.08	-0.08	-0.07	0.06	0.05	-29.31	-266.75	-264.93	-31.14-20.76
		144	0.52	0.24	-0.32	-0.08	2.51e-03	-0.28	-25.36	-318.68	-273.03	-71.01
106.34												
73	90	161	0.26	0.76	-0.83	-0.24	0.16	-0.77	81.07	-81.38	-8.45	8.14 80.80
		141	0.18	-0.15	-1.49	-0.49	-1.15	0.58	-31.11	-110.20	-34.01	-107.30 14.87
		39	0.34	2.07	-0.66	2.07	-0.66	-0.08	-144.13	-223.78	-195.56	-172.35-38.10
		144	0.32	3.14	-0.14	2.33	0.67	-1.42	-32.57	-175.30	-169.57	-38.30 28.01
73	91	161	0.29	1.27	-1.26	0.38	-0.36	1.21	110.21	-62.76	63.67	-16.22 76.71
		141	0.43	2.62	0.68	0.92	2.38	-0.64	260.83	78.28	112.55	226.56-71.28
		39	0.72	1.30	-4.67	-4.64	1.28	0.35	165.67	-266.23	-264.06	163.51 30.49
		144	0.79	-0.45	-6.21	-5.19	-1.47	2.20	9.37	-408.35	-312.66	-86.33
175.55												
73	92	161	0.23	0.60	-0.64	-0.17	0.12	-0.60	15.70	-121.79	-104.86	-1.23 45.18
		141	0.57	-0.10	-1.81	-0.48	-1.43	0.71	-121.37	-370.16	-167.64	-323.89 96.80
		39	0.49	2.03	-0.93	2.03	-0.92	-0.04	-36.67	-291.94	-40.94	-287.67-32.76
		144	0.28	3.09	-0.13	2.34	0.62	-1.36	104.80	-58.33	21.06	25.40-81.54
73	93	161	0.32	0.87	-0.88	0.25	-0.26	0.84	136.55	-62.25	83.50	-9.19 87.93
		141	0.46	2.07	0.52	0.69	1.90	-0.48	286.91	86.46	131.88	241.49-83.91
		39	0.73	1.07	-3.56	-3.54	1.05	0.28	144.55	-301.98	-301.38	143.95 16.29
		144	0.82	-0.39	-4.68	-3.97	-1.11	1.60	0.96	-447.09	-348.99	-97.14
185.28												

73	94	161	0.24	0.98	-1.04	-0.29	0.22	-0.98	32.79	-112.04	-85.04	5.79 56.41
		141	0.54	-0.25	-2.37	-0.71	-1.91	0.87	-112.29	-344.99	-148.32	-308.96 84.18
		39	0.52	3.13	-1.15	3.13	-1.15	-0.12	-69.00	-316.48	-78.26	-307.22-46.96
		144	0.27	4.62	-0.08	3.55	0.99	-1.96	73.00	-73.68	-15.27	14.59-71.80
73	95	161	0.29	1.26	-1.25	0.37	-0.36	1.20	110.94	-62.47	64.65	-16.19 76.71
		141	0.43	2.61	0.67	0.91	2.37	-0.64	262.72	78.87	113.62	227.97-71.98
		39	0.72	1.29	-4.64	-4.62	1.27	0.35	164.76	-267.06	-265.00	162.70 29.75
		144	0.79	-0.45	-6.17	-5.16	-1.46	2.18	9.56	-409.28	-313.62	-86.10
175.83												
73	96	161	0.22	0.61	-0.65	-0.17	0.13	-0.61	15.85	-120.93	-103.88	-1.20 45.18
		141	0.57	-0.10	-1.82	-0.48	-1.44	0.72	-120.78	-368.27	-166.57	-322.47 96.11
		39	0.49	2.05	-0.93	2.05	-0.93	-0.04	-37.41	-292.95	-41.88	-288.48-33.51
		144	0.28	3.12	-0.13	2.36	0.63	-1.37	104.17	-58.44	20.09	25.63-81.26
73	97	161	0.32	0.88	-0.89	0.26	-0.26	0.84	135.83	-62.53	82.52	-9.22 87.94
		141	0.45	2.08	0.52	0.69	1.91	-0.49	284.98	85.90	130.81	240.07-83.21
		39	0.73	1.07	-3.58	-3.56	1.05	0.28	145.42	-301.10	-300.45	144.76 17.03
		144	0.82	-0.40	-4.72	-4.00	-1.11	1.61	0.76	-446.16	-348.02	-97.37
185.01												
73	98	161	0.24	0.97	-1.04	-0.29	0.22	-0.97	32.59	-112.85	-86.02	5.77 56.41
		141	0.55	-0.25	-2.36	-0.70	-1.90	0.87	-112.91	-346.85	-149.39	-310.37 84.87
		39	0.51	3.11	-1.15	3.11	-1.15	-0.12	-68.35	-315.38	-77.33	-306.41-46.22
		144	0.27	4.58	-0.08	3.53	0.98	-1.95	73.52	-73.46	-14.31	14.36-72.08
73	99	161	0.29	1.33	-1.32	0.39	-0.38	1.27	115.46	-58.80	71.18	-14.52 75.86
		141	0.45	2.79	0.70	0.96	2.53	-0.69	277.59	82.95	121.69	238.86-77.71
		39	0.74	1.39	-4.89	-4.86	1.37	0.37	175.02	-269.85	-268.12	173.28 27.76
		144	0.80	-0.46	-6.52	-5.44	-1.54	2.32	10.82	-414.04	-318.23	-84.98
177.56												
73	100	161	0.24	0.66	-0.70	-0.18	0.14	-0.66	13.86	-129.16	-112.38	-2.92 46.03
		141	0.60	-0.13	-1.98	-0.53	-1.58	0.76	-126.06	-386.90	-176.78	-336.19
103.23												
		39	0.51	2.25	-1.02	2.24	-1.02	-0.06	-33.47	-300.86	-36.89	-297.44-30.03
		144	0.29	3.40	-0.12	2.59	0.69	-1.49	108.90	-58.21	26.63	24.06-83.54
73	101	161	0.32	0.93	-0.94	0.27	-0.28	0.89	141.80	-58.29	91.01	-7.50 87.08
		141	0.48	2.23	0.55	0.73	2.05	-0.53	303.89	90.91	141.02	253.79-90.34
		39	0.75	1.16	-3.78	-3.76	1.14	0.29	154.13	-305.84	-305.44	153.73 13.56
		144	0.84	-0.40	-5.00	-4.22	-1.18	1.72	2.46	-452.81	-354.56	-95.80
187.29												
73	102	161	0.25	1.04	-1.10	-0.30	0.24	-1.03	30.70	-119.15	-92.55	4.10 57.26
		141	0.57	-0.28	-2.53	-0.75	-2.06	0.92	-117.22	-361.49	-157.46	-321.26 90.60
		39	0.53	3.35	-1.25	3.35	-1.24	-0.14	-66.40	-324.80	-74.21	-317.00-44.24
		144	0.28	4.93	-0.07	3.81	1.06	-2.09	76.47	-72.92	-9.70	13.25-73.81
73	103	161	0.29	1.32	-1.31	0.39	-0.37	1.26	116.19	-58.52	72.16	-14.50 75.85
		141	0.46	2.78	0.70	0.96	2.52	-0.68	279.50	83.54	122.76	240.27-78.41
		39	0.74	1.39	-4.86	-4.84	1.37	0.37	174.12	-270.70	-269.05	172.47 27.02
		144	0.80	-0.46	-6.49	-5.41	-1.53	2.31	11.02	-414.97	-319.19	-84.75
177.83												
73	104	161	0.24	0.67	-0.71	-0.18	0.14	-0.67	14.00	-128.29	-111.40	-2.89 46.03
		141	0.60	-0.13	-1.99	-0.53	-1.59	0.77	-125.48	-385.00	-175.71	-334.77
102.53												
		39	0.51	2.27	-1.02	2.27	-1.02	-0.06	-34.24	-301.84	-37.83	-298.25-30.78
		144	0.29	3.44	-0.12	2.62	0.70	-1.50	108.25	-58.29	25.66	24.29-83.27
73	105	161	0.32	0.94	-0.95	0.27	-0.28	0.90	141.06	-58.57	90.03	-7.53 87.09
		141	0.48	2.25	0.55	0.74	2.06	-0.53	301.97	90.35	139.95	252.37-89.64
		39	0.75	1.17	-3.80	-3.78	1.15	0.30	154.98	-304.94	-304.50	154.54 14.30
		144	0.84	-0.41	-5.03	-4.25	-1.18	1.73	2.26	-451.88	-353.60	-96.03
187.01												
73	106	161	0.25	1.03	-1.09	-0.30	0.24	-1.03	30.51	-119.97	-93.53	4.07 57.26
		141	0.57	-0.28	-2.52	-0.75	-2.05	0.92	-117.83	-363.37	-158.52	-322.67 91.30
		39	0.53	3.33	-1.24	3.32	-1.24	-0.14	-65.72	-323.74	-73.27	-316.18-43.49
		144	0.28	4.90	-0.07	3.78	1.05	-2.08	77.02	-72.74	-8.74	13.02-74.09
74	1	115	0.15	-0.16	-0.73	-0.17	-0.72	-0.09	-1.80	-86.84	-6.16	-82.49-18.74
		153	0.08	0.13	-0.07	-0.02	0.07	-0.09	39.91	-13.80	12.97	13.14-26.85
		152	0.03	0.22	0.03	0.15	0.11	-0.09	12.63	-8.37	-5.24	9.50 7.48
		15	0.15	5.58e-03	-0.70	-6.71e-03	-0.68	-0.09	-20.65	-89.84	-24.36	-86.13 15.59
74	2	115	0.43	0.06	-0.39	0.06	-0.39	-0.02	-16.48	-259.51	-26.96	-249.04-49.36
		153	0.27	0.17	0.11	0.16	0.12	-0.02	115.89	-70.18	26.66	19.05-92.96
		152	0.12	0.05	-0.21	-0.21	0.05	-0.02	-0.36	-71.32	-71.17	-0.52 3.29
		15	0.42	-0.31	-0.47	-0.31	-0.46	-0.02	-110.85	-282.54	-124.79	-268.60 46.89
74	3	115	0.11	-0.13	-0.57	-0.14	-0.56	-0.07	-1.11	-63.54	-4.34	-60.31-13.84
		153	0.06	0.10	-0.06	-0.02	0.05	-0.07	29.27	-9.55	9.72	10.00-19.41
		152	0.02	0.18	0.03	0.12	0.08	-0.07	10.13	-5.42	-2.78	7.50 5.83
		15	0.11	0.01	-0.54	5.69e-04	-0.53	-0.07	-14.17	-65.48	-16.84	-62.81 11.40

74	4	115	0.39	0.09	-0.23	0.09	-0.23	-1.14e-03	-15.78	-236.22	-25.14	-226.86-44.46
		153	0.25	0.16	0.10	0.16	0.10	-1.14e-03	105.26	-65.94	23.41	15.91-85.52
		152	0.12	0.02	-0.24	-0.24	0.02	-1.14e-03	-2.48	-68.76	-68.72	-2.52 1.65
		15	0.38	-0.30	-0.31	-0.30	-0.31	-1.14e-03	-104.33	-258.22	-117.27	-245.28 42.70
74	5	115	0.12	-0.12	-0.57	-0.14	-0.55	-0.07	-1.27	-65.38	-4.56	-62.08-14.16
		153	0.06	0.10	-0.06	-0.01	0.06	-0.07	30.08	-10.15	9.86	10.06-20.11
		152	0.02	0.17	0.03	0.12	0.08	-0.07	9.89	-5.99	-3.49	7.39 5.79
		15	0.11	6.86e-03	-0.54	-2.67e-03	-0.53	-0.07	-15.14	-67.53	-17.92	-64.76 11.74
74	6	115	0.30	0.02	-0.34	0.02	-0.34	-0.02	-11.05	-180.50	-18.43	-173.12-34.58
		153	0.19	0.12	0.07	0.10	0.09	-0.02	80.73	-47.74	18.99	14.00-64.19
		152	0.08	0.05	-0.12	-0.12	0.04	-0.02	0.90	-47.63	-47.44	0.71 3.00
		15	0.29	-0.20	-0.38	-0.21	-0.38	-0.02	-75.30	-195.97	-84.87	-186.41 32.60
74	7	115	0.12	-0.12	-0.57	-0.14	-0.55	-0.07	-1.27	-65.38	-4.56	-62.08-14.16
		153	0.06	0.10	-0.06	-0.01	0.06	-0.07	30.08	-10.15	9.86	10.06-20.11
		152	0.02	0.17	0.03	0.12	0.08	-0.07	9.89	-5.99	-3.49	7.39 5.79
		15	0.11	6.86e-03	-0.54	-2.67e-03	-0.53	-0.07	-15.14	-67.53	-17.92	-64.76 11.74
74	8	115	0.24	-0.02	-0.41	-0.03	-0.40	-0.04	-8.12	-145.96	-14.27	-139.81-28.46
		153	0.15	0.11	0.03	0.07	0.08	-0.04	65.53	-36.46	16.25	12.82-50.96
		152	0.06	0.07	-0.06	-0.05	0.05	-0.04	3.11	-34.65	-34.26	2.71 3.83
		15	0.24	-0.14	-0.43	-0.14	-0.42	-0.04	-57.29	-157.40	-64.78	-149.91 26.34
74	9	115	0.12	-0.12	-0.57	-0.14	-0.55	-0.07	-1.27	-65.38	-4.56	-62.08-14.16
		153	0.06	0.10	-0.06	-0.01	0.06	-0.07	30.08	-10.15	9.86	10.06-20.11
		152	0.02	0.17	0.03	0.12	0.08	-0.07	9.89	-5.99	-3.49	7.39 5.79
		15	0.11	6.86e-03	-0.54	-2.67e-03	-0.53	-0.07	-15.14	-67.53	-17.92	-64.76 11.74
74	10	115	0.23	-0.04	-0.43	-0.04	-0.42	-0.04	-7.15	-134.44	-12.89	-128.70-26.41
		153	0.14	0.11	0.02	0.06	0.07	-0.04	60.46	-32.70	15.34	12.42-46.56
		152	0.05	0.08	-0.04	-0.02	0.06	-0.04	3.88	-30.36	-29.86	3.38 4.11
		15	0.22	-0.12	-0.45	-0.12	-0.44	-0.04	-51.28	-144.55	-58.09	-137.75 24.26
74	11	115	0.52	14.57	0.86	3.35	12.08	5.29	185.60	-55.31	117.36	12.94
108.55												
		153	0.23	2.71	-2.70	0.77	-0.77	2.59	135.58	74.89	135.11	75.36 5.30
		152	0.38	-0.89	-6.47	-5.38	-1.98	-2.21	12.15	-172.52	-172.50	12.13 -1.54
		15	0.47	10.87	-2.81	-2.79	10.86	0.49	70.66	-162.76	-101.66	9.56
102.61												
74	12	115	0.73	34.80	2.38	7.94	29.24	12.22	106.49	5.42	29.49	82.42 43.06
		153	0.30	6.87	-7.46	1.64	-2.23	6.90	4.96	-124.05	2.96	-122.05-15.92
		152	0.68	-2.08	-12.95	-10.43	-4.61	-4.59	-87.16	-323.91	-233.51	-177.55 -
115.02												
		15	0.79	26.87	-4.11	-4.09	26.85	0.74	121.55	-120.20	-107.97	109.32-52.98
74	13	115	1.16	-2.53	-35.58	-8.02	-30.09	-12.30	-25.97	-369.12	-55.26	-339.82-95.88
		153	0.51	7.68	-6.83	-1.52	2.38	-6.99	184.83	-10.20	27.72	146.90-77.19
		152	0.65	12.87	2.23	10.38	4.72	4.50	302.42	55.69	173.79	184.32
123.25												
		15	1.16	3.87	-27.75	3.85	-27.73	-0.82	17.41	-410.42	-8.20	-384.81
101.49												
74	14	115	0.85	-1.01	-15.35	-3.44	-12.93	-5.37	-33.27	-380.20	-143.13	-270.35 -
161.38												
		153	0.40	2.92	-2.66	-0.66	0.92	-2.68	24.57	-179.51	-104.43	-50.51-98.41
		152	0.28	6.38	1.05	5.33	2.10	2.12	113.58	-6.17	112.78	-5.37 9.77
		15	0.70	2.57	-11.76	2.55	-11.74	-0.58	-4.09	-295.47	-14.51	-285.05-54.10
74	15	115	0.54	15.59	0.93	3.58	12.94	5.64	187.73	-56.46	118.78	12.48
109.92												
		153	0.23	2.90	-2.93	0.82	-0.84	2.80	135.82	74.52	135.59	74.75 3.80
		152	0.39	-0.96	-6.82	-5.65	-2.12	-2.34	12.10	-175.32	-175.24	12.02 -3.87
		15	0.49	11.67	-2.91	-2.90	11.65	0.51	68.22	-166.61	-104.78	6.39
103.42												
74	16	115	0.72	33.78	2.31	7.71	28.38	11.87	105.35	5.58	28.06	82.87 41.68
		153	0.30	6.67	-7.24	1.60	-2.16	6.70	4.14	-123.11	2.49	-121.45-14.42
		152	0.67	-2.02	-12.60	-10.15	-4.47	-4.46	-88.30	-319.91	-230.77	-177.44 -
112.69												
		15	0.78	26.07	-4.01	-3.99	26.06	0.72	125.07	-117.44	-104.86	112.49-53.80
74	17	115	1.14	-2.46	-34.57	-7.80	-29.23	-11.95	-25.46	-368.65	-53.83	-340.28-94.51
		153	0.50	7.46	-6.63	-1.48	2.31	-6.78	185.63	-11.14	28.19	146.30-78.69
		152	0.64	12.52	2.17	10.10	4.59	4.37	298.72	56.53	171.05	184.20
120.92												
		15	1.15	3.77	-26.96	3.74	-26.94	-0.80	14.68	-413.97	-11.32	-387.98
102.31												
74	18	115	0.87	-1.08	-16.37	-3.66	-13.79	-5.73	-32.82	-381.62	-144.55	-269.89 -
162.75												
		153	0.40	3.15	-2.86	-0.70	0.99	-2.88	23.33	-178.14	-104.90	-49.90-96.91
		152	0.29	6.73	1.11	5.60	2.24	2.25	116.72	-6.45	115.52	-5.25 12.10
		15	0.71	2.67	-12.55	2.65	-12.53	-0.60	-0.67	-292.61	-11.39	-281.88-54.91

74	19	115	0.53	15.77	0.94	3.61	13.10	5.70	181.28	-57.74	114.21	9.33	107.39
		153	0.23	2.94	-2.98	0.82	-0.85	2.84	137.03	77.21	136.73	77.51	4.19
		152	0.38	-0.97	-6.87	-5.69	-2.14	-2.36	8.53	-174.36	-174.30	8.47	-3.49
		15	0.49	11.82	-2.91	-2.89	11.81	0.51	71.41	-167.05	-103.19	7.55	105.59
74	20	115	0.75	36.01	2.46	8.20	30.27	12.63	102.00	3.15	26.35	78.81	41.89
		153	0.30	7.11	-7.74	1.68	-2.31	7.15	6.87	-122.20	4.58	-119.91	-17.04
		152	0.69	-2.16	-13.35	-10.74	-4.77	-4.73	-88.21	-328.32	-235.31	-181.22	- 116.97
		15	0.81	27.82	-4.21	-4.19	27.80	0.75	118.28	-120.47	-109.50	107.30	-50.00
74	21	115	1.18	-2.61	-36.79	-8.29	-31.11	-12.72	-23.43	-364.90	-52.12	-336.21	-94.72
		153	0.51	7.96	-7.07	-1.57	2.46	-7.24	181.90	-11.05	26.10	144.75	-76.08
		152	0.66	13.27	2.31	10.69	4.88	4.65	307.14	56.43	175.59	187.98	125.20
		15	1.17	3.96	-28.70	3.94	-28.68	-0.84	17.56	-407.03	-6.68	-382.79	98.51
74	22	115	0.86	-1.10	-16.55	-3.70	-13.95	-5.79	-31.07	-375.65	-139.98	-266.74	- 160.21
		153	0.40	3.20	-2.90	-0.71	1.00	-2.93	21.54	-180.25	-106.05	-52.66	-97.30
		152	0.29	6.78	1.12	5.64	2.26	2.27	115.75	-2.87	114.58	-1.70	11.72
		15	0.72	2.67	-12.71	2.64	-12.68	-0.59	-1.42	-294.61	-12.98	-283.04	-57.08
74	23	115	0.55	16.79	1.01	3.84	13.96	6.05	183.41	-58.90	115.64	8.87	108.76
		153	0.23	3.14	-3.20	0.86	-0.92	3.05	137.32	76.78	137.20	76.90	2.68
		152	0.39	-1.03	-7.22	-5.97	-2.28	-2.48	8.53	-177.22	-177.04	8.35	-5.82
		15	0.50	12.62	-3.01	-2.99	12.60	0.53	68.98	-170.90	-106.30	4.38	106.41
74	24	115	0.73	34.99	2.39	7.98	29.40	12.28	100.88	3.30	24.92	79.26	40.52
		153	0.30	6.91	-7.51	1.64	-2.24	6.95	6.03	-121.23	4.11	-119.30	-15.53
		152	0.68	-2.10	-13.00	-10.47	-4.63	-4.61	-89.34	-324.33	-232.57	-181.10	- 114.64
		15	0.80	27.02	-4.11	-4.09	27.00	0.73	121.79	-117.70	-106.38	110.47	-50.81
74	25	115	1.16	-2.54	-35.77	-8.06	-30.25	-12.37	-22.92	-364.44	-50.69	-336.67	-93.35
		153	0.51	7.73	-6.87	-1.53	2.39	-7.03	182.70	-11.98	26.57	144.15	-77.58
		152	0.65	12.92	2.25	10.42	4.75	4.52	303.46	57.26	172.85	187.87	122.87
		15	1.16	3.86	-27.91	3.84	-27.88	-0.82	14.82	-410.58	-9.79	-385.96	99.33
74	26	115	0.88	-1.17	-17.57	-3.93	-14.81	-6.14	-30.62	-377.07	-141.41	-266.28	- 161.59
		153	0.40	3.42	-3.10	-0.75	1.07	-3.13	20.30	-178.88	-106.52	-52.05	-95.80
		152	0.30	7.13	1.19	5.92	2.40	2.40	118.96	-3.22	117.32	-1.59	14.05
		15	0.73	2.77	-13.50	2.75	-13.48	-0.61	2.02	-291.76	-9.87	-279.87	-57.89
74	27	115	0.80	-2.09	-26.60	-5.98	-22.70	-8.96	192.90	-225.04	159.45	-191.59	113.41
		153	0.54	6.49	-5.49	-1.04	2.03	-5.79	330.73	251.69	251.71	330.71	1.19
		152	0.77	7.92	1.53	6.03	3.42	2.91	378.61	-65.03	19.88	293.70	174.53
		15	1.09	1.05	-21.31	1.04	-21.30	-0.25	144.95	-451.39	-61.59	-244.85	283.74
74	28	115	0.85	40.85	2.96	9.31	34.51	14.15	89.40	-182.82	-133.43	40.01	- 104.91
		153	0.63	8.40	-9.38	1.84	-2.83	8.58	-159.91	-356.22	-188.81	-327.33	-69.56
		152	0.94	-2.35	-13.78	-10.81	-5.32	-5.01	-43.04	-479.04	-183.49	-338.59	- 203.74
		15	1.03	32.01	-3.29	-3.29	32.00	0.56	252.37	-247.32	-82.62	87.67	- 234.89
74	29	115	1.13	-3.11	-41.64	-9.40	-35.35	-14.23	114.25	-304.00	107.66	-297.41	52.08
		153	0.64	9.60	-8.35	-1.73	2.97	-8.66	356.23	215.43	219.49	352.17	-23.56
		152	0.95	13.70	2.50	10.76	5.43	4.93	473.74	-4.62	123.77	345.35	211.97
		15	1.40	3.05	-32.89	3.04	-32.88	-0.65	129.48	-526.19	-33.55	-363.16	283.40
74	30	115	0.86	25.81	1.95	5.90	21.86	8.87	51.11	-302.15	-185.22	-65.82	- 166.24
		153	0.62	5.54	-6.27	1.15	-1.88	5.70	-160.04	-366.85	-221.02	-305.86	-94.30
		152	0.73	-1.39	-8.00	-6.08	-3.31	-3.00	12.70	-379.24	-79.60	-286.93	- 166.30
		15	0.77	20.43	-1.29	-1.29	20.43	0.17	192.92	-278.14	-54.58	-30.64	- 235.23
74	31	115	0.79	-2.07	-26.23	-5.91	-22.40	-8.83	191.76	-225.92	158.51	-192.67	113.06
		153	0.54	6.40	-5.42	-1.02	2.00	-5.72	331.36	252.18	252.19	331.36	0.86

		152	0.76	7.80	1.51	5.94	3.37	2.87	377.16	-65.22	19.34	292.60	
173.95													
		15	1.09	1.02	-21.02	1.02	-21.02	-0.25	145.29	-452.79	-62.05	-245.45	
284.63													
74	32	115	0.85	41.22	2.99	9.39	34.81	14.27	88.61	-184.06	-134.38	38.92	-
105.25													
		153	0.63	8.47	-9.47	1.85	-2.85	8.65	-159.16	-355.84	-188.32	-326.68	-69.89
		152	0.94	-2.37	-13.90	-10.90	-5.37	-5.06	-43.21	-480.50	-184.03	-339.69	-
204.33													
		15	1.03	32.29	-3.32	-3.31	32.29	0.57	250.98	-246.99	-83.08	87.06	-
234.00													
74	33	115	1.13	-3.14	-42.00	-9.48	-35.66	-14.36	115.29	-303.01	108.61	-296.33	52.43
		153	0.64	9.68	-8.42	-1.74	3.00	-8.74	355.48	215.05	219.00	351.53	-23.22
		152	0.95	13.82	2.52	10.85	5.48	4.97	475.21	-4.45	124.31	346.45	
212.55													
		15	1.40	3.08	-33.18	3.07	-33.16	-0.65	129.20	-524.85	-33.10	-362.55	
282.51													
74	34	115	0.85	25.45	1.92	5.82	21.55	8.75	51.82	-300.83	-184.28	-64.74	-
165.89													
		153	0.62	5.47	-6.18	1.14	-1.86	5.63	-160.88	-367.14	-221.51	-306.51	-93.97
		152	0.73	-1.37	-7.88	-5.99	-3.26	-2.96	12.88	-377.77	-79.06	-285.83	-
165.72													
		15	0.77	20.14	-1.27	-1.26	20.14	0.16	194.35	-278.51	-54.12	-30.04	-
236.12													
74	35	115	0.77	-1.86	-23.20	-5.23	-19.83	-7.78	199.65	-228.54	164.21	-193.10	
117.98													
		153	0.54	5.74	-4.83	-0.90	1.80	-5.11	328.89	253.08	253.28	328.69	-3.82
		152	0.74	6.75	1.33	5.11	2.96	2.49	370.60	-66.55	10.74	293.31	
166.77													
		15	1.07	0.71	-18.66	0.71	-18.66	-0.19	137.09	-464.48	-71.98	-255.41	
286.46													
74	36	115	0.81	37.46	2.73	8.55	31.64	12.98	93.30	-189.97	-138.19	41.52	-
109.48													
		153	0.61	7.73	-8.63	1.70	-2.60	7.89	-164.48	-351.21	-190.38	-325.31	-64.54
		152	0.90	-2.14	-12.61	-9.89	-4.86	-4.59	-43.86	-468.69	-174.35	-338.20	-
195.98													
		15	1.01	29.37	-2.96	-2.95	29.36	0.50	265.43	-239.43	-72.23	98.23	-
237.61													
74	37	115	1.08	-2.88	-38.25	-8.64	-32.48	-13.06	120.08	-306.59	112.42	-298.93	56.65
		153	0.63	8.85	-7.69	-1.59	2.75	-7.98	356.20	215.02	221.06	350.16	-28.57
		152	0.92	12.53	2.29	9.84	4.98	4.50	464.24	-4.65	114.63	344.97	
204.20													
		15	1.38	2.71	-30.25	2.70	-30.24	-0.59	121.40	-539.07	-43.94	-373.72	
286.12													
74	38	115	0.83	22.42	1.71	5.14	18.99	7.70	54.86	-309.14	-189.98	-64.31	-
170.81													
		153	0.60	4.87	-5.52	1.01	-1.65	5.02	-165.12	-361.32	-222.60	-303.85	-89.29
		152	0.70	-1.18	-6.83	-5.16	-2.85	-2.58	13.35	-370.36	-70.46	-286.55	-
158.54													
		15	0.75	17.78	-0.96	-0.96	17.78	0.10	206.11	-270.38	-44.19	-20.08	-
237.94													
74	39	115	0.77	-1.83	-22.84	-5.15	-19.53	-7.66	198.50	-229.42	163.26	-194.18	
117.63													
		153	0.54	5.65	-4.76	-0.88	1.78	-5.03	329.57	253.54	253.76	329.34	-4.16
		152	0.74	6.63	1.30	5.02	2.92	2.45	369.15	-66.74	10.20	292.21	
166.18													
		15	1.07	0.68	-18.38	0.68	-18.38	-0.19	137.43	-465.88	-72.44	-256.01	
287.35													
74	40	115	0.82	37.82	2.75	8.63	31.94	13.10	92.51	-191.21	-139.13	40.44	-
109.83													
		153	0.61	7.80	-8.71	1.71	-2.62	7.97	-163.74	-350.82	-189.89	-324.67	-64.88
		152	0.91	-2.16	-12.73	-9.98	-4.91	-4.63	-44.03	-470.15	-174.89	-339.30	-
196.56													
		15	1.01	29.65	-2.99	-2.98	29.64	0.50	264.04	-239.10	-72.69	97.63	-
236.71													
74	41	115	1.09	-2.90	-38.61	-8.72	-32.79	-13.19	121.12	-305.60	113.36	-297.85	57.00
		153	0.63	8.93	-7.76	-1.60	2.77	-8.05	355.43	214.66	220.57	349.51	-28.23
		152	0.92	12.65	2.31	9.93	5.02	4.55	465.71	-4.47	115.16	346.07	
204.79													
		15	1.38	2.74	-30.53	2.73	-30.52	-0.59	121.12	-537.72	-43.48	-373.12	
285.23													
74	42	115	0.82	22.06	1.68	5.06	18.68	7.57	55.57	-307.82	-189.03	-63.22	-

170.46													
		153	0.60	4.80	-5.43	1.00	-1.63	4.95	-165.96	-361.61	-223.08	-304.49	-88.96
		152	0.70	-1.16	-6.71	-5.07	-2.80	-2.53	13.53	-368.90	-69.92	-285.45	-
157.95													
		15	0.75	17.50	-0.93	-0.93	17.50	0.10	207.54	-270.75	-43.73	-19.48	-
238.84													
74	43	115	0.39	11.43	0.66	2.64	9.46	4.17	132.04	-60.66	89.76	-18.38	79.75
		153	0.17	2.14	-2.11	0.63	-0.59	2.04	110.94	61.63	110.17	62.41	-6.14
		152	0.31	-0.69	-5.12	-4.26	-1.56	-1.76	10.27	-142.65	-142.65	10.26	-0.29
		15	0.37	8.50	-2.25	-2.24	8.48	0.38	35.32	-150.66	-92.93	-22.41	86.04
74	44	115	0.53	27.43	1.87	6.27	23.03	9.65	57.80	-0.85	20.36	36.59	28.18
		153	0.25	5.44	-5.88	1.31	-1.75	5.45	10.55	-98.85	5.48	-93.77	-23.01
		152	0.54	-1.63	-10.25	-8.25	-3.63	-3.64	-71.61	-259.18	-191.05	-139.74	-90.20
		15	0.59	21.14	-3.28	-3.26	21.13	0.58	64.64	-106.42	-98.03	56.24	-36.96
74	45	115	0.96	-2.02	-28.21	-6.35	-23.87	-9.74	-22.01	-318.12	-46.13	-294.00	-81.00
		153	0.42	6.09	-5.39	-1.19	1.89	-5.53	156.15	-12.32	25.20	118.62	-70.10
		152	0.51	10.16	1.78	8.20	3.75	3.55	237.64	40.19	131.33	146.51	98.43
		15	0.96	3.03	-22.03	3.01	-22.01	-0.66	3.64	-353.52	-18.15	-331.73	85.47
74	46	115	0.71	-0.82	-12.21	-2.73	-10.30	-4.26	-31.03	-323.53	-115.53	-239.03	-
132.58													
		153	0.34	2.33	-2.10	-0.51	0.74	-2.12	30.94	-147.98	-79.48	-37.56	-86.97
		152	0.21	5.04	0.84	4.21	1.67	1.67	83.76	-4.33	82.93	-3.50	8.52
		15	0.59	2.01	-9.38	1.99	-9.36	-0.47	-17.26	-259.05	-23.24	-253.08	-37.53
74	47	115	0.40	12.24	0.72	2.82	10.14	4.45	133.73	-61.60	90.87	-18.75	80.84
		153	0.17	2.30	-2.29	0.66	-0.65	2.20	111.61	60.86	110.53	61.95	-7.33
		152	0.32	-0.74	-5.40	-4.48	-1.67	-1.86	10.22	-144.85	-144.82	10.19	-2.13
		15	0.38	9.13	-2.33	-2.32	9.11	0.40	33.41	-153.75	-95.42	-24.92	86.69
74	48	115	0.52	26.62	1.81	6.09	22.35	9.37	56.60	-0.40	19.25	36.96	27.09
		153	0.25	5.28	-5.70	1.27	-1.69	5.28	9.74	-97.93	5.11	-93.31	-21.83
		152	0.53	-1.58	-9.97	-8.03	-3.52	-3.53	-72.55	-256.00	-188.88	-139.67	-88.37
		15	0.58	20.52	-3.20	-3.18	20.50	0.56	67.44	-104.22	-95.54	58.76	-37.61
74	49	115	0.95	-1.96	-27.41	-6.17	-23.19	-9.46	-21.60	-317.78	-45.02	-294.37	-79.92
		153	0.42	5.92	-5.24	-1.16	1.84	-5.37	156.86	-13.14	25.57	118.16	-71.29
		152	0.50	9.88	1.73	7.98	3.64	3.45	234.78	40.82	129.16	146.43	96.59
		15	0.95	2.95	-21.40	2.93	-21.38	-0.65	1.47	-356.34	-20.63	-334.25	86.12
74	50	115	0.72	-0.87	-13.02	-2.91	-10.98	-4.53	-30.72	-324.58	-116.64	-238.66	-
133.66													
		153	0.34	2.51	-2.26	-0.55	0.80	-2.28	29.93	-146.88	-79.85	-37.10	-85.78
		152	0.22	5.32	0.89	4.43	1.78	1.77	86.30	-4.62	85.10	-3.43	10.36
		15	0.60	2.09	-10.01	2.07	-9.99	-0.48	-14.58	-256.74	-20.75	-250.57	-38.18
74	51	115	0.40	12.37	0.73	2.85	10.25	4.49	128.32	-62.88	87.10	-21.66	78.63
		153	0.18	2.33	-2.32	0.66	-0.66	2.23	112.51	63.07	111.43	64.15	-7.21
		152	0.31	-0.75	-5.44	-4.50	-1.68	-1.87	7.38	-144.03	-144.01	7.36	-1.84
		15	0.38	9.24	-2.33	-2.32	9.23	0.39	35.76	-154.22	-94.14	-24.32	88.34
74	52	115	0.54	28.37	1.93	6.47	23.83	9.97	53.66	-2.65	17.71	33.30	27.05
		153	0.26	5.62	-6.09	1.34	-1.81	5.64	12.30	-97.59	6.75	-92.04	-24.08
		152	0.55	-1.69	-10.56	-8.49	-3.76	-3.75	-72.46	-262.59	-192.40	-142.65	-91.75
		15	0.60	21.89	-3.35	-3.34	21.87	0.59	61.79	-106.69	-99.23	54.33	-34.66
74	53	115	0.97	-2.08	-29.15	-6.56	-24.67	-10.06	-19.91	-314.27	-43.48	-290.71	-79.88
		153	0.43	6.31	-5.58	-1.23	1.96	-5.73	153.63	-12.81	23.93	116.89	-69.04
		152	0.52	10.48	1.84	8.45	3.87	3.66	241.37	40.72	132.68	149.41	99.98
		15	0.97	3.11	-22.77	3.09	-22.75	-0.67	3.80	-350.56	-16.94	-329.82	83.17
74	54	115	0.72	-0.88	-13.15	-2.93	-11.10	-4.58	-29.21	-319.41	-112.87	-235.74	-
131.45													
		153	0.34	2.54	-2.29	-0.55	0.81	-2.32	28.35	-148.40	-80.75	-39.30	-85.91
		152	0.22	5.35	0.90	4.46	1.80	1.78	85.46	-1.77	84.29	-0.59	10.07
		15	0.60	2.09	-10.12	2.07	-10.10	-0.48	-15.31	-257.89	-22.03	-251.17	-39.83
74	55	115	0.41	13.18	0.78	3.03	10.94	4.77	130.01	-63.83	88.22	-22.03	79.71
		153	0.18	2.49	-2.50	0.70	-0.71	2.39	113.22	62.26	111.80	63.68	-8.39
		152	0.32	-0.80	-5.71	-4.72	-1.79	-1.97	7.37	-146.26	-146.18	7.29	-3.68
		15	0.39	9.87	-2.41	-2.40	9.85	0.41	33.86	-157.32	-96.62	-26.84	88.99
74	56	115	0.53	27.56	1.88	6.29	23.14	9.70	52.47	-2.20	16.60	33.67	25.97
		153	0.25	5.47	-5.91	1.31	-1.76	5.48	11.47	-96.66	6.38	-91.57	-22.89
		152	0.54	-1.64	-10.28	-8.28	-3.65	-3.65	-73.39	-259.42	-190.23	-142.58	-89.91
		15	0.59	21.26	-3.27	-3.26	21.24	0.57	64.58	-104.48	-96.75	56.85	-35.31
74	57	115	0.96	-2.02	-28.35	-6.38	-23.99	-9.78	-19.50	-313.94	-42.37	-291.08	-78.79
		153	0.42	6.13	-5.42	-1.20	1.91	-5.57	154.34	-13.62	24.30	116.42	-70.22
		152	0.51	10.20	1.79	8.23	3.76	3.56	238.52	41.34	130.51	149.34	98.14
		15	0.96	3.03	-22.14	3.01	-22.12	-0.66	1.62	-353.38	-19.42	-332.34	83.82
74	58	115	0.73	-0.94	-13.96	-3.11	-11.78	-4.86	-28.90	-320.46	-113.99	-235.37	-
132.54													
		153	0.34	2.72	-2.44	-0.58	0.86	-2.48	27.34	-147.29	-81.12	-38.83	-84.72

		152	0.23	5.63	0.95	4.67	1.91	1.88	88.06	-2.12	86.46	-0.52	11.90
		15	0.61	2.17	-10.75	2.15	-10.73	-0.50	-12.61	-255.60	-19.55	-248.65	-40.48
74	59	115	0.67	-1.67	-21.11	-4.74	-18.04	-7.09	144.78	-200.59	123.16	-178.97	83.66
		153	0.44	5.16	-4.34	-0.81	1.62	-4.59	265.54	201.32	202.56	264.30	-8.85
		152	0.61	6.25	1.23	4.76	2.72	2.29	299.73	-57.06	9.71	232.96	
139.16													
		15	0.90	0.80	-16.94	0.79	-16.94	-0.21	101.54	-384.79	-60.82	-222.43	
229.35													
74	60	115	0.70	32.22	2.33	7.35	27.20	11.18	52.68	-156.59	-108.16	4.25	-88.26
		153	0.52	6.64	-7.40	1.47	-2.22	6.78	-116.17	-286.54	-146.39	-256.31	-65.08
		152	0.74	-1.84	-10.90	-8.54	-4.19	-3.97	-38.74	-379.95	-151.62	-267.06	-
160.55													
		15	0.78	25.22	-2.62	-2.62	25.21	0.44	170.95	-209.00	-77.79	39.74	-
180.66													
74	61	115	0.94	-2.48	-33.00	-7.44	-28.04	-11.26	86.00	-265.27	82.39	-261.65	35.43
		153	0.52	7.62	-6.60	-1.35	2.37	-6.86	288.23	170.01	177.08	281.16	-28.03
		152	0.75	10.81	1.99	8.49	4.31	3.88	374.59	-8.86	91.90	273.83	
168.77													
		15	1.15	2.38	-26.10	2.37	-26.09	-0.52	90.93	-444.54	-38.38	-315.23	
229.18													
74	62	115	0.71	20.33	1.52	4.65	17.20	7.01	27.28	-254.65	-148.93	-78.44	-
136.48													
		153	0.51	4.38	-4.94	0.92	-1.47	4.51	-114.88	-296.45	-171.88	-239.45	-84.27
		152	0.58	-1.08	-6.33	-4.81	-2.60	-2.38	4.79	-300.41	-69.43	-226.19	-
130.93													
		15	0.62	16.06	-1.04	-1.04	16.06	0.12	126.63	-235.04	-55.35	-53.06	-
180.83													
74	63	115	0.67	-1.65	-20.83	-4.68	-17.80	-7.00	143.80	-201.40	122.36	-179.95	83.32
		153	0.44	5.09	-4.28	-0.80	1.60	-4.53	266.15	201.62	202.94	264.82	-9.17
		152	0.61	6.15	1.21	4.68	2.68	2.26	298.58	-57.19	9.30	232.08	
138.69													
		15	0.90	0.77	-16.72	0.77	-16.72	-0.20	101.76	-385.94	-61.18	-223.01	
230.04													
74	64	115	0.71	32.50	2.35	7.41	27.43	11.27	52.02	-157.72	-108.96	3.26	-88.60
		153	0.52	6.70	-7.46	1.48	-2.24	6.83	-115.52	-286.28	-146.01	-255.79	-65.40
		152	0.75	-1.86	-10.99	-8.62	-4.23	-4.00	-38.86	-381.10	-152.03	-267.94	-
161.01													
		15	0.78	25.44	-2.65	-2.64	25.43	0.44	169.80	-208.78	-78.15	39.17	-
179.97													
74	65	115	0.94	-2.49	-33.29	-7.50	-28.28	-11.36	86.87	-264.35	83.19	-260.67	35.77
		153	0.52	7.68	-6.66	-1.36	2.39	-6.92	287.57	169.77	176.69	280.64	-27.71
		152	0.76	10.91	2.01	8.57	4.35	3.92	375.75	-8.74	92.31	274.70	
169.24													
		15	1.15	2.40	-26.32	2.39	-26.31	-0.53	90.75	-443.43	-38.02	-314.66	
228.49													
74	66	115	0.70	20.05	1.50	4.59	16.96	6.91	27.87	-253.45	-148.13	-77.45	-
136.15													
		153	0.51	4.33	-4.87	0.91	-1.45	4.45	-115.60	-296.63	-172.26	-239.97	-83.95
		152	0.57	-1.07	-6.23	-4.73	-2.57	-2.34	4.91	-299.25	-69.02	-225.32	-
130.47													
		15	0.62	15.84	-1.02	-1.02	15.84	0.12	127.79	-235.26	-54.99	-52.48	-
181.52													
74	67	115	0.65	-1.48	-18.43	-4.14	-15.77	-6.16	149.94	-203.27	126.87	-180.20	87.28
		153	0.44	4.56	-3.81	-0.70	1.44	-4.05	265.41	201.12	203.77	262.75	-12.80
		152	0.59	5.32	1.06	4.03	2.36	1.96	293.52	-58.34	2.47	232.72	
133.03													
		15	0.89	0.53	-14.85	0.53	-14.85	-0.16	95.27	-395.18	-69.10	-230.82	
231.51													
74	68	115	0.67	29.54	2.14	6.75	24.92	10.25	55.82	-162.21	-111.87	5.48	-91.88
		153	0.50	6.12	-6.81	1.36	-2.04	6.23	-119.90	-282.47	-147.61	-254.77	-61.12
		152	0.71	-1.68	-9.97	-7.81	-3.83	-3.64	-39.49	-371.72	-144.39	-266.82	-
154.42													
		15	0.76	23.13	-2.36	-2.35	23.12	0.39	181.36	-202.75	-69.51	48.12	-
182.83													
74	69	115	0.90	-2.29	-30.32	-6.84	-25.77	-10.34	90.42	-267.20	86.10	-262.89	39.05
		153	0.52	7.02	-6.08	-1.24	2.19	-6.32	288.87	169.03	178.29	279.62	-31.99
		152	0.73	9.89	1.83	7.77	3.95	3.55	367.22	-8.96	84.66	273.59	
162.65													
		15	1.13	2.11	-24.01	2.10	-24.00	-0.47	84.48	-454.76	-46.66	-323.61	
231.34													
74	70	115	0.68	17.64	1.34	4.05	14.93	6.08	30.17	-260.01	-152.64	-77.21	-
140.11													

		153	0.49	3.86	-4.34	0.81	-1.29	3.96	-118.90	-292.10	-173.09	-237.91-80.31
		152	0.55	-0.92	-5.40	-4.08	-2.24	-2.04	5.20	-293.34	-62.19	-225.95 -
124.81												
		15	0.60	13.97	-0.78	-0.77	13.97	0.07	137.13	-228.88	-47.07	-44.67 -
183.00												
74	71	115	0.65	-1.46	-18.15	-4.08	-15.53	-6.07	148.96	-204.08	126.07	-181.19 86.94
		153	0.44	4.50	-3.76	-0.68	1.42	-3.99	266.06	201.37	204.16	263.27-13.12
		152	0.59	5.23	1.05	3.95	2.32	1.92	292.38	-58.47	2.06	231.84
132.57												
		15	0.89	0.51	-14.63	0.50	-14.63	-0.15	95.49	-396.34	-69.46	-231.39
232.20												
74	72	115	0.67	29.82	2.16	6.81	25.16	10.35	55.16	-163.34	-112.67	4.49-92.22
		153	0.50	6.17	-6.87	1.37	-2.06	6.29	-119.26	-282.21	-147.22	-254.25-61.44
		152	0.72	-1.70	-10.06	-7.89	-3.87	-3.67	-39.61	-372.87	-144.79	-267.70 -
154.89												
		15	0.76	23.35	-2.38	-2.37	23.34	0.39	180.21	-202.53	-69.87	47.55 -
182.14												
74	73	115	0.90	-2.31	-30.60	-6.90	-26.01	-10.43	91.29	-266.29	86.90	-261.90 39.39
		153	0.52	7.09	-6.13	-1.25	2.21	-6.38	288.19	168.81	177.91	279.10-31.67
		152	0.73	9.98	1.84	7.84	3.98	3.58	368.37	-8.84	85.07	274.46
163.11												
		15	1.13	2.13	-24.23	2.13	-24.22	-0.47	84.30	-453.64	-46.30	-323.04
230.65												
74	74	115	0.67	17.36	1.32	3.99	14.69	5.98	30.76	-258.82	-151.84	-76.22 -
139.77												
		153	0.49	3.80	-4.28	0.80	-1.28	3.91	-119.62	-292.28	-173.47	-238.43-79.99
		152	0.55	-0.90	-5.30	-4.00	-2.20	-2.01	5.32	-292.18	-61.78	-225.08 -
124.34												
		15	0.60	13.75	-0.75	-0.75	13.75	0.07	138.29	-229.10	-46.71	-44.10 -
183.69												
74	75	115	0.31	9.38	0.53	2.17	7.74	3.44	99.73	-64.79	72.09	-37.15 61.51
		153	0.16	1.77	-1.73	0.53	-0.48	1.68	97.64	49.84	93.76	53.72-13.06
		152	0.26	-0.56	-4.24	-3.52	-1.28	-1.46	9.05	-123.14	-123.13	9.05 0.45
		15	0.30	6.95	-1.88	-1.87	6.94	0.31	14.11	-143.18	-86.90	-42.17 75.40
74	76	115	0.41	22.60	1.53	5.17	18.96	7.97	30.62	-7.63	14.71	8.27 18.85
		153	0.23	4.50	-4.84	1.09	-1.43	4.49	15.28	-83.40	7.25	-75.36-27.00
		152	0.45	-1.34	-8.48	-6.82	-2.99	-3.01	-61.35	-216.72	-163.13	-114.94-73.85
		15	0.46	17.40	-2.73	-2.72	17.39	0.47	28.63	-96.87	-91.11	22.86-26.27
74	77	115	0.83	-1.68	-23.39	-5.26	-19.81	-8.06	-19.60	-286.56	-40.48	-265.68-71.68
		153	0.37	5.06	-4.45	-0.98	1.58	-4.58	138.28	-14.63	23.44	100.21-66.12
		152	0.42	8.39	1.49	6.77	3.11	2.93	195.15	29.97	103.41	121.71 82.08
		15	0.83	2.48	-18.28	2.47	-18.27	-0.55	-5.93	-317.48	-25.06	-298.35 74.78
74	78	115	0.62	-0.69	-10.16	-2.26	-8.59	-3.53	-29.38	-288.74	-97.86	-220.26 -
114.33												
		153	0.30	1.94	-1.73	-0.41	0.63	-1.76	35.88	-127.84	-63.08	-28.88-80.06
		152	0.17	4.16	0.71	3.47	1.39	1.37	64.32	-3.19	63.41	-2.28 7.78
		15	0.52	1.64	-7.83	1.62	-7.82	-0.39	-25.79	-236.81	-29.27	-233.32-26.88
74	79	115	0.32	10.05	0.58	2.32	8.31	3.67	101.12	-65.56	73.01	-37.45 62.40
		153	0.16	1.90	-1.87	0.55	-0.52	1.81	98.43	48.97	94.06	53.34-14.04
		152	0.27	-0.60	-4.47	-3.70	-1.37	-1.54	8.99	-124.94	-124.93	8.98 -1.07
		15	0.31	7.47	-1.95	-1.94	7.46	0.32	12.56	-145.75	-88.95	-44.24 75.93
74	80	115	0.39	21.94	1.48	5.02	18.40	7.74	29.32	-6.96	13.79	8.57 17.95
		153	0.22	4.37	-4.69	1.06	-1.39	4.36	14.51	-82.54	6.94	-74.98-26.01
		152	0.44	-1.30	-8.25	-6.64	-2.90	-2.93	-62.14	-214.08	-161.34	-114.88-72.33
		15	0.46	16.88	-2.66	-2.65	16.87	0.46	30.93	-95.05	-89.06	24.94-26.81
74	81	115	0.82	-1.63	-22.72	-5.11	-19.24	-7.83	-19.26	-286.29	-39.56	-265.98-70.78
		153	0.37	4.91	-4.32	-0.95	1.53	-4.45	138.92	-15.35	23.74	99.83-67.10
		152	0.41	8.16	1.45	6.59	3.02	2.84	192.81	30.45	101.62	121.64 80.56
		15	0.82	2.42	-17.76	2.40	-17.75	-0.54	-7.73	-319.81	-27.11	-300.43 75.32
74	82	115	0.63	-0.73	-10.83	-2.41	-9.15	-3.76	-29.18	-289.56	-98.78	-219.96 -
115.23												
		153	0.30	2.09	-1.86	-0.44	0.67	-1.90	35.04	-126.92	-63.38	-28.49-79.08
		152	0.17	4.39	0.75	3.66	1.48	1.46	66.47	-3.48	65.21	-2.22 9.30
		15	0.52	1.71	-8.35	1.69	-8.34	-0.41	-23.60	-234.87	-27.22	-231.25-27.42
74	83	115	0.31	10.16	0.59	2.35	8.40	3.71	96.75	-66.73	69.89	-39.87 60.57
		153	0.16	1.93	-1.90	0.56	-0.53	1.84	99.21	50.76	94.81	55.16-13.93
		152	0.27	-0.61	-4.50	-3.73	-1.38	-1.55	6.66	-124.25	-124.25	6.65 -0.82
		15	0.31	7.56	-1.95	-1.93	7.55	0.32	14.57	-146.21	-87.89	-43.75 77.30
74	84	115	0.41	23.38	1.58	5.34	19.62	8.24	27.29	-9.23	12.51	5.55 17.92
		153	0.24	4.65	-5.02	1.12	-1.48	4.66	16.84	-82.48	8.29	-73.92-27.87
		152	0.46	-1.38	-8.74	-7.03	-3.09	-3.11	-62.09	-219.49	-164.24	-117.33-75.12
		15	0.47	18.01	-2.79	-2.78	18.00	0.48	26.29	-97.12	-92.10	21.28-24.37

74	85	115	0.84	-1.73	-24.17	-5.43	-20.47	-8.32	-17.86	-283.38	-38.28	-262.95-70.75
		153	0.37	5.24	-4.61	-1.01	1.63	-4.74	136.18	-15.02	22.39	98.77-65.25
		152	0.43	8.65	1.53	6.98	3.21	3.02	198.24	30.39	104.52	124.10 83.35
		15	0.83	2.55	-18.90	2.53	-18.88	-0.56	-5.81	-315.02	-24.07	-296.77 72.88
74	86	115	0.63	-0.74	-10.94	-2.43	-9.25	-3.79	-27.86	-285.34	-95.66	-217.54 -
113.40												
		153	0.30	2.12	-1.89	-0.44	0.68	-1.92	33.75	-128.19	-64.12	-30.32-79.19
		152	0.17	4.42	0.76	3.68	1.50	1.47	65.77	-1.13	64.53	0.11 9.05
		15	0.53	1.70	-8.45	1.69	-8.43	-0.40	-24.29	-235.73	-28.28	-231.74-28.78
74	87	115	0.32	10.83	0.63	2.49	8.97	3.94	98.14	-67.50	70.81	-40.17 61.47
		153	0.17	2.06	-2.05	0.58	-0.58	1.97	100.02	49.87	95.11	54.78-14.91
		152	0.27	-0.65	-4.73	-3.91	-1.47	-1.64	6.63	-126.08	-126.04	6.59 -2.34
		15	0.32	8.08	-2.01	-2.00	8.07	0.33	13.02	-148.78	-89.94	-45.83 77.83
74	88	115	0.40	22.72	1.54	5.20	19.06	8.01	25.98	-8.54	11.59	5.85 17.02
		153	0.23	4.52	-4.87	1.09	-1.44	4.52	16.05	-81.61	7.99	-73.54-26.88
		152	0.45	-1.34	-8.51	-6.84	-3.00	-3.02	-62.87	-216.86	-162.45	-117.27-73.61
		15	0.46	17.50	-2.73	-2.71	17.48	0.47	28.58	-95.28	-90.05	23.35-24.91
74	89	115	0.83	-1.69	-23.50	-5.28	-19.90	-8.09	-17.51	-283.11	-37.36	-263.26-69.85
		153	0.37	5.09	-4.48	-0.98	1.59	-4.61	136.82	-15.74	22.69	98.39-66.23
		152	0.42	8.42	1.49	6.80	3.12	2.94	195.91	30.86	102.73	124.04 81.83
		15	0.83	2.48	-18.38	2.47	-18.36	-0.55	-7.61	-317.35	-26.12	-298.85 73.42
74	90	115	0.64	-0.79	-11.61	-2.58	-9.81	-4.02	-27.67	-286.15	-96.58	-217.23 -
114.30												
		153	0.30	2.27	-2.02	-0.47	0.72	-2.06	32.91	-127.26	-64.43	-29.93-78.21
		152	0.18	4.64	0.80	3.86	1.59	1.55	67.97	-1.47	66.32	0.17 10.57
		15	0.53	1.77	-8.97	1.75	-8.95	-0.42	-22.09	-233.80	-26.23	-229.66-29.32
74	91	115	0.59	-1.39	-17.52	-3.93	-14.99	-5.87	114.33	-184.82	99.63	-170.12 64.65
		153	0.38	4.28	-3.58	-0.66	1.35	-3.80	224.90	165.78	170.09	220.60-15.36
		152	0.51	5.16	1.03	3.93	2.26	1.89	247.78	-51.84	2.82	193.13
115.71												
		15	0.77	0.64	-14.08	0.64	-14.08	-0.18	73.31	-341.35	-60.34	-207.70
193.80												
74	92	115	0.60	26.56	1.91	6.07	22.40	9.23	30.49	-140.85	-91.63	-18.73-77.53
		153	0.44	5.50	-6.10	1.22	-1.82	5.59	-87.12	-240.88	-118.31	-209.70-61.83
		152	0.61	-1.51	-9.01	-7.07	-3.46	-3.29	-35.95	-314.71	-130.50	-220.16 -
131.97												
		15	0.62	20.77	-2.19	-2.19	20.76	0.35	118.32	-183.64	-74.38	9.06 -
145.10												
74	93	115	0.81	-2.06	-27.35	-6.15	-23.25	-9.32	67.85	-240.67	65.86	-238.68 24.70
		153	0.45	6.32	-5.45	-1.11	1.97	-5.68	244.76	138.77	148.99	234.54-31.28
		152	0.63	8.93	1.66	7.02	3.57	3.20	309.32	-11.62	70.78	226.93
140.20												
		15	0.98	1.95	-21.65	1.94	-21.64	-0.44	65.34	-391.69	-41.79	-284.55
193.61												
74	94	115	0.61	16.73	1.25	3.84	14.14	5.78	12.67	-225.36	-125.40	-87.29 -
117.48												
		153	0.43	3.63	-4.06	0.77	-1.21	3.72	-84.88	-250.27	-139.40	-195.75-77.75
		152	0.47	-0.88	-5.24	-3.98	-2.14	-1.97	-0.41	-248.49	-62.54	-186.36 -
107.48												
		15	0.52	13.20	-0.88	-0.88	13.20	0.09	83.59	-207.22	-55.83	-67.79 -
145.28												
74	95	115	0.59	-1.38	-17.29	-3.87	-14.79	-5.79	113.54	-185.50	98.97	-170.94 64.37
		153	0.38	4.23	-3.54	-0.65	1.34	-3.75	225.46	165.96	170.40	221.03-15.63
		152	0.51	5.08	1.01	3.87	2.23	1.86	246.84	-51.95	2.48	192.41
115.33												
		15	0.77	0.62	-13.90	0.62	-13.89	-0.18	73.49	-342.30	-60.64	-208.17
194.37												
74	96	115	0.61	26.80	1.93	6.12	22.60	9.31	29.97	-141.80	-92.29	-19.55-77.80
		153	0.44	5.54	-6.15	1.23	-1.84	5.64	-86.57	-240.69	-117.99	-209.26-62.09
		152	0.62	-1.52	-9.09	-7.13	-3.49	-3.32	-36.06	-315.66	-130.84	-220.88 -
132.35												
		15	0.62	20.95	-2.21	-2.20	20.95	0.36	117.36	-183.45	-74.68	8.59 -
144.53												
74	97	115	0.82	-2.07	-27.58	-6.21	-23.45	-9.40	68.55	-239.90	66.52	-237.86 24.98
		153	0.45	6.37	-5.50	-1.12	1.99	-5.73	244.19	138.60	148.67	234.11-31.02
		152	0.63	9.01	1.67	7.08	3.60	3.23	310.28	-11.52	71.12	227.64
140.58												
		15	0.98	1.96	-21.83	1.96	-21.82	-0.44	65.20	-390.77	-41.49	-284.08
193.04												
74	98	115	0.61	16.50	1.23	3.79	13.94	5.70	13.15	-224.36	-124.74	-86.47 -
117.20												
		153	0.43	3.58	-4.01	0.76	-1.19	3.67	-85.48	-250.42	-139.72	-196.18-77.49

		152	0.47	-0.87	-5.16	-3.92	-2.11	-1.95	-0.31	-247.54	-62.20	-185.64	-107.10
		15	0.52	13.02	-0.86	-0.86	13.02	0.09	84.54	-207.40	-55.53	-67.32	-145.85
74	99	115	0.57	-1.24	-15.30	-3.43	-13.11	-5.10	118.50	-186.93	102.70	-171.13	67.65
		153	0.38	3.79	-3.15	-0.57	1.21	-3.35	225.68	164.73	171.09	219.32	-18.64
		152	0.49	4.39	0.89	3.33	1.96	1.61	242.72	-52.95	-3.16	192.92	110.65
		15	0.76	0.42	-12.35	0.41	-12.35	-0.14	68.12	-349.92	-67.17	-214.62	195.59
74	100	115	0.58	24.34	1.76	5.57	20.53	8.46	33.04	-145.46	-94.70	-17.72	-80.52
		153	0.43	5.06	-5.61	1.13	-1.67	5.15	-90.28	-237.44	-119.31	-208.42	-58.56
		152	0.59	-1.37	-8.25	-6.46	-3.16	-3.01	-36.66	-307.82	-124.52	-219.96	-126.91
		15	0.60	19.04	-1.97	-1.96	19.03	0.31	126.93	-178.49	-67.55	15.99	-146.89
74	101	115	0.78	-1.90	-25.13	-5.66	-21.37	-8.55	71.40	-242.16	68.93	-239.69	27.69
		153	0.44	5.82	-5.02	-1.02	1.82	-5.23	245.73	137.52	149.99	233.26	-34.55
		152	0.60	8.16	1.52	6.41	3.27	2.93	303.29	-11.77	64.80	226.72	135.14
		15	0.97	1.72	-19.92	1.72	-19.91	-0.40	60.01	-400.11	-48.62	-291.48	195.40
74	102	115	0.59	14.51	1.09	3.34	12.26	5.02	14.94	-229.69	-128.47	-86.28	-120.48
		153	0.42	3.19	-3.57	0.68	-1.06	3.27	-88.21	-246.67	-140.41	-194.47	-74.48
		152	0.45	-0.75	-4.47	-3.37	-1.84	-1.70	-0.16	-242.56	-56.56	-186.16	-102.42
		15	0.50	11.47	-0.66	-0.66	11.47	0.05	92.26	-202.12	-49.00	-60.87	-147.07
74	103	115	0.57	-1.22	-15.07	-3.38	-12.91	-5.02	117.71	-187.62	102.04	-171.95	67.37
		153	0.38	3.74	-3.10	-0.56	1.19	-3.31	226.26	164.89	171.40	219.75	-18.90
		152	0.49	4.31	0.88	3.26	1.93	1.58	241.78	-53.07	-3.50	192.21	110.27
		15	0.76	0.40	-12.17	0.39	-12.17	-0.13	68.30	-350.87	-67.47	-215.10	196.16
74	104	115	0.58	24.58	1.77	5.62	20.73	8.54	32.52	-146.42	-95.36	-18.53	-80.80
		153	0.43	5.11	-5.66	1.14	-1.69	5.19	-89.74	-237.24	-119.00	-207.98	-58.82
		152	0.59	-1.39	-8.32	-6.52	-3.19	-3.04	-36.76	-308.77	-124.86	-220.67	-127.29
		15	0.60	19.22	-1.99	-1.98	19.22	0.31	125.97	-178.30	-67.84	15.51	-146.32
74	105	115	0.79	-1.92	-25.36	-5.71	-21.57	-8.63	72.11	-241.39	69.59	-238.87	27.97
		153	0.44	5.88	-5.06	-1.03	1.84	-5.28	245.15	137.36	149.68	232.83	-34.29
		152	0.61	8.24	1.54	6.48	3.30	2.95	304.25	-11.67	65.14	227.44	135.52
		15	0.97	1.74	-20.10	1.74	-20.10	-0.40	59.86	-399.19	-48.33	-291.00	194.83
74	106	115	0.58	14.28	1.08	3.29	12.06	4.94	15.41	-228.69	-127.81	-85.46	-120.20
		153	0.42	3.15	-3.52	0.67	-1.04	3.22	-88.80	-246.82	-140.72	-194.90	-74.22
		152	0.45	-0.73	-4.39	-3.31	-1.81	-1.67	-0.06	-241.61	-56.22	-185.44	-102.04
		15	0.50	11.29	-0.64	-0.64	11.29	0.05	93.21	-202.30	-48.70	-60.39	-147.64
75	1	15	0.05	0.11	-0.11	0.11	-0.11	0.01	19.02	-14.98	-5.27	9.31	15.36
		152	0.06	0.13	0.01	0.13	0.02	0.01	-1.56	-34.50	-11.96	-24.11	15.31
		151	0.04	-5.47e-03	-0.04	-0.03	-0.02	0.01	-11.94	-24.28	-12.09	-24.14	1.33
		117	0.02	-0.05	-0.15	-0.05	-0.14	0.01	9.41	-5.53	-5.40	9.29	1.38
75	2	15	0.14	1.48	0.05	0.07	1.45	-0.19	-37.08	-91.45	-80.64	-47.89	21.70
		152	0.19	-6.25e-03	-0.40	-0.25	-0.15	-0.19	-38.03	-129.55	-87.15	-80.43	45.63
		151	0.14	0.14	-0.25	-0.01	-0.11	-0.19	-7.58	-84.91	-24.58	-67.91	32.02
		117	0.08	1.53	0.28	0.31	1.50	-0.19	-14.88	-38.57	-18.07	-35.37	8.09
75	3	15	0.04	0.08	-0.12	0.08	-0.11	0.02	15.70	-10.09	-2.63	8.24	11.69
		152	0.04	0.11	0.01	0.11	0.02	0.02	-0.42	-24.84	-7.78	-17.48	11.20
		151	0.03	4.73e-04	-0.03	-0.02	-0.01	0.02	-9.04	-17.76	-9.06	-17.74	0.44
		117	0.02	-0.04	-0.14	-0.05	-0.14	0.02	8.06	-3.99	-3.92	7.99	0.93
75	4	15	0.13	1.47	0.02	0.05	1.45	-0.19	-40.33	-86.64	-78.01	-48.96	18.04
		152	0.18	-0.02	-0.41	-0.27	-0.15	-0.19	-36.60	-120.17	-82.97	-73.80	41.53
		151	0.13	0.14	-0.25	-5.40e-03	-0.10	-0.19	-4.54	-78.53	-21.55	-61.52	31.14
		117	0.08	1.53	0.29	0.32	1.50	-0.19	-14.01	-39.25	-16.58	-36.67	7.64
75	5	15	0.04	0.08	-0.10	0.08	-0.10	0.01	15.09	-10.90	-3.44	7.63	11.76
		152	0.04	0.11	0.01	0.11	0.01	0.01	-0.87	-25.80	-8.58	-18.08	11.53

		151	0.03	-2.17e-03	-0.03	-0.02	-0.01	0.01	-9.13	-18.27	-9.20	-18.21	0.77
		117	0.02	-0.04	-0.13	-0.04	-0.12	0.01	7.60	-4.14	-4.05	7.51	1.00
75	6	15	0.10	0.96	0.04	0.06	0.94	-0.12	-22.35	-61.84	-53.69	-30.50	15.99
		152	0.13	1.15e-03	-0.25	-0.15	-0.10	-0.12	-25.39	-88.95	-58.71	-55.63	31.74
		151	0.09	0.09	-0.17	-0.01	-0.07	-0.12	-6.50	-58.42	-17.52	-47.39	21.23
		117	0.05	0.99	0.18	0.20	0.97	-0.12	-10.04	-24.72	-12.50	-22.26	5.48
75	7	15	0.04	0.08	-0.10	0.08	-0.10	0.01	15.09	-10.90	-3.44	7.63	11.76
		152	0.04	0.11	0.01	0.11	0.01	0.01	-0.87	-25.80	-8.58	-18.08	11.53
		151	0.03	-2.17e-03	-0.03	-0.02	-0.01	0.01	-9.13	-18.27	-9.20	-18.21	0.77
		117	0.02	-0.04	-0.13	-0.04	-0.12	0.01	7.60	-4.14	-4.05	7.51	1.00
75	8	15	0.07	0.64	0.06	0.07	0.63	-0.08	-11.17	-46.51	-38.61	-19.06	14.72
		152	0.11	0.01	-0.15	-0.07	-0.07	-0.08	-18.34	-69.70	-43.67	-44.37	25.68
		151	0.07	0.05	-0.12	-0.01	-0.05	-0.08	-7.67	-45.99	-15.02	-38.64	15.09
		117	0.03	0.66	0.11	0.13	0.64	-0.08	-7.18	-16.11	-9.96	-13.33	4.14
75	9	15	0.04	0.08	-0.10	0.08	-0.10	0.01	15.09	-10.90	-3.44	7.63	11.76
		152	0.04	0.11	0.01	0.11	0.01	0.01	-0.87	-25.80	-8.58	-18.08	11.53
		151	0.03	-2.17e-03	-0.03	-0.02	-0.01	0.01	-9.13	-18.27	-9.20	-18.21	0.77
		117	0.02	-0.04	-0.13	-0.04	-0.12	0.01	7.60	-4.14	-4.05	7.51	1.00
75	10	15	0.07	0.54	0.06	0.07	0.53	-0.07	-7.43	-41.40	-33.59	-15.25	14.30
		152	0.10	0.02	-0.12	-0.05	-0.05	-0.07	-15.96	-63.31	-38.66	-40.61	23.66
		151	0.06	0.04	-0.10	-0.01	-0.05	-0.07	-8.04	-41.87	-14.19	-35.72	13.05
		117	0.03	0.54	0.09	0.10	0.53	-0.07	-6.00	-13.48	-9.12	-10.36	3.69
75	11	15	0.51	14.22	-2.14	-2.14	14.22	-0.12	28.77	-165.30	-158.30	21.76	-36.20
		152	0.36	-0.69	-6.49	-5.35	-1.82	2.30	-12.53	-167.58	-164.47	-15.63	21.71
		151	0.15	4.48	-3.99	1.04	-0.54	-4.16	39.06	-0.73	-0.66	39.00	1.63
		117	0.49	18.54	1.22	4.26	15.51	-6.59	106.75	-19.24	23.88	63.63	-59.78
75	12	15	1.46	23.99	-4.69	-4.68	23.99	-0.16	-216.59	-754.18	-313.86	-656.91	-
206.96													
		152	0.50	-0.95	-12.15	-10.11	-3.00	4.32	82.43	-204.54	-176.09	53.97	-85.77
		151	0.83	7.34	-6.31	1.68	-0.66	-6.72	355.23	-58.29	160.13	136.80	
206.43													
		117	1.49	31.48	1.94	7.08	26.34	-11.20	45.95	-591.35	35.56	-580.95	80.73
75	13	15	1.46	4.82	-22.94	4.82	-22.94	0.02	739.09	134.01	246.69	626.41	
235.55													
		152	0.58	12.16	0.74	10.01	2.89	-4.46	158.97	-195.40	98.77	-135.19	
133.08													
		151	0.78	6.11	-7.26	-1.71	0.56	6.59	-17.77	-378.98	-188.52	-208.24	-
180.33													
		117	1.44	-1.69	-30.46	-6.88	-25.28	11.06	568.89	-62.44	-53.79	560.24	-73.35
75	14	15	0.47	2.28	-13.17	2.28	-13.17	-0.01	116.07	-77.20	91.12	-52.26	64.80
		152	0.28	6.50	0.47	5.26	1.71	-2.44	91.33	-69.77	87.16	-65.59	25.60
		151	0.24	3.78	-4.40	-1.06	0.44	4.02	-21.02	-117.13	-27.72	-110.43	24.47
		117	0.51	-0.97	-17.53	-4.05	-14.44	6.45	7.17	-133.62	-42.12	-84.34	67.16
75	15	15	0.52	14.80	-2.29	-2.28	14.80	-0.13	21.94	-171.68	-163.25	13.51	-39.51
		152	0.37	-0.70	-6.81	-5.61	-1.89	2.42	-13.45	-169.57	-166.68	-16.33	21.04
		151	0.16	4.66	-4.12	1.08	-0.54	-4.31	41.11	2.26	2.76	40.60	4.38
		117	0.49	19.32	1.27	4.43	16.16	-6.86	102.77	-20.43	25.71	56.63	-59.63
75	16	15	1.43	23.41	-4.54	-4.54	23.41	-0.15	-213.59	-743.98	-308.91	-648.66	-
203.65													
		152	0.49	-0.94	-11.83	-9.84	-2.93	4.21	82.88	-202.09	-173.88	54.67	-85.10
		151	0.81	7.16	-6.18	1.64	-0.65	-6.57	349.91	-58.01	156.71	135.19	
203.67													
		117	1.46	30.71	1.89	6.91	25.69	-10.92	44.22	-584.46	33.72	-573.96	80.58
75	17	15	1.44	4.68	-22.36	4.68	-22.36	0.02	728.88	131.02	241.73	618.16	
232.24													
		152	0.58	11.84	0.73	9.75	2.82	-4.34	156.52	-195.85	96.57	-135.90	
132.41													
		151	0.77	5.98	-7.08	-1.66	0.56	6.43	-17.95	-373.76	-185.09	-206.63	-
177.58													
		117	1.42	-1.64	-29.69	-6.70	-24.63	10.79	561.98	-60.69	-51.96	553.25	-73.20
75	18	15	0.48	2.42	-13.75	2.42	-13.75	-0.01	123.73	-71.67	96.08	-44.01	68.11
		152	0.29	6.82	0.48	5.52	1.78	-2.56	93.71	-69.24	89.36	-64.89	26.27
		151	0.24	3.92	-4.58	-1.11	0.44	4.18	-25.69	-117.50	-31.15	-112.04	21.71
		117	0.51	-1.02	-18.30	-4.23	-15.09	6.72	8.41	-129.70	-43.95	-77.34	67.01
75	19	15	0.51	14.91	-2.29	-2.29	14.91	-0.12	18.51	-172.52	-164.12	10.11	-39.15
		152	0.38	-0.69	-6.85	-5.65	-1.89	2.44	-15.78	-173.37	-169.69	-19.46	23.80
		151	0.17	4.69	-4.13	1.10	-0.54	-4.34	43.36	-0.31	0.30	42.75	5.13
		117	0.49	19.44	1.29	4.47	16.26	-6.90	99.94	-21.00	25.95	52.98	-58.94
75	20	15	1.48	24.68	-4.83	-4.83	24.68	-0.16	-221.20	-767.04	-319.69	-668.55	-
209.90													
		152	0.51	-0.96	-12.51	-10.41	-3.07	4.46	77.23	-208.39	-181.31	50.15	-83.68
		151	0.84	7.55	-6.46	1.74	-0.65	-6.90	361.00	-59.35	161.10	140.55	

209.93													
		117	1.52	32.38	2.01	7.29	27.10	-11.51	48.03	-602.00	37.63	-591.60	81.57
75	21	15	1.49	4.97	-23.62	4.97	-23.62	0.02	751.95	138.62	252.52	638.06	
238.50													
		152	0.58	12.52	0.75	10.31	2.96	-4.60	162.40	-189.78	103.99	-131.37	
130.99													
		151	0.80	6.26	-7.47	-1.77	0.56	6.77	-16.56	-384.91	-189.48	-211.99	-
183.83													
		117	1.48	-1.76	-31.36	-7.09	-26.03	11.38	579.55	-64.53	-55.87	570.89	-74.19
75	22	15	0.48	2.43	-13.85	2.43	-13.85	-0.01	124.71	-68.37	96.95	-40.61	67.75
		152	0.29	6.86	0.48	5.55	1.79	-2.57	95.88	-65.27	92.38	-61.76	23.52
		151	0.24	3.93	-4.62	-1.12	0.44	4.20	-23.82	-119.05	-28.68	-114.18	20.97
		117	0.51	-1.03	-18.43	-4.26	-15.20	6.76	9.00	-126.88	-44.19	-73.69	66.32
75	23	15	0.52	15.49	-2.43	-2.43	15.49	-0.13	11.83	-179.04	-169.08	1.87	-42.46
		152	0.38	-0.71	-7.17	-5.91	-1.96	2.56	-16.71	-175.35	-171.90	-20.16	23.13
		151	0.18	4.87	-4.27	1.14	-0.54	-4.49	45.83	2.25	3.73	44.35	7.88
		117	0.49	20.22	1.34	4.64	16.91	-7.18	96.38	-22.60	27.79	45.98	-58.79
75	24	15	1.46	24.10	-4.69	-4.69	24.10	-0.15	-218.20	-756.85	-314.73	-660.31	-
206.59													
		152	0.50	-0.95	-12.19	-10.14	-3.00	4.34	77.68	-205.94	-179.10	50.85	-83.01
		151	0.83	7.37	-6.33	1.69	-0.65	-6.75	355.69	-59.08	157.67	138.94	
207.17													
		117	1.50	31.61	1.96	7.12	26.45	-11.24	46.30	-595.11	35.79	-584.60	81.42
75	25	15	1.47	4.83	-23.04	4.83	-23.04	0.02	741.74	135.63	247.56	629.81	
235.19													
		152	0.57	12.20	0.74	10.05	2.89	-4.48	159.95	-190.23	101.79	-132.07	
130.32													
		151	0.79	6.13	-7.29	-1.72	0.56	6.61	-16.73	-379.70	-186.05	-210.38	-
181.08													
		117	1.45	-1.71	-30.59	-6.91	-25.38	11.10	572.64	-62.78	-54.03	563.89	-74.04
75	26	15	0.49	2.57	-14.43	2.57	-14.43	-0.01	132.53	-62.99	101.90	-32.37	71.06
		152	0.30	7.18	0.49	5.82	1.85	-2.69	98.25	-64.73	94.58	-61.06	24.19
		151	0.24	4.06	-4.79	-1.17	0.44	4.35	-28.32	-119.58	-32.11	-115.79	18.22
		117	0.51	-1.08	-19.20	-4.44	-15.85	7.04	10.61	-123.33	-46.02	-66.69	66.17
75	27	15	1.93	3.26	-10.19	3.26	-10.19	-0.03	1096.68	93.43	164.94	1025.17	
258.12													
		152	0.65	6.65	0.12	5.58	1.20	-2.43	91.58	-289.05	-58.79	-138.69	
186.08													
		151	1.01	2.27	-2.96	-0.67	-0.02	2.59	96.69	-512.34	-254.01	-161.64	-
300.99													
		117	2.00	-0.64	-13.70	-2.93	-11.41	4.97	1038.89	-66.37	-16.93	989.45	-
228.46													
75	28	15	2.40	22.39	-5.21	-5.21	22.39	-0.15	-255.08	-1335.59	-353.61	-1237.06	-
311.06													
		152	0.65	-0.76	-12.24	-10.28	-2.72	4.32	194.76	-198.93	-97.51	93.33	-
172.17													
		151	1.33	6.56	-5.50	1.47	-0.41	-5.96	609.36	-163.00	281.99	164.37	
381.68													
		117	2.51	29.43	1.76	6.48	24.71	-10.40	68.87	-1206.02	22.00	-1159.15	
239.91													
75	29	15	2.41	5.35	-21.33	5.35	-21.33	9.87e-03	1318.36	174.64	286.44	1206.56	
339.65													
		152	0.82	12.25	0.55	10.19	2.61	-4.45	162.93	-317.30	20.19	-174.55	
219.49													
		151	1.28	5.30	-6.48	-1.50	0.31	5.82	84.44	-630.62	-310.37	-235.81	-
355.58													
		117	2.47	-1.51	-28.41	-6.28	-23.64	10.27	1182.65	-84.45	-40.23	1138.44	-
232.53													
75	30	15	1.92	11.24	-3.12	-3.12	11.24	-0.10	-172.46	-1115.32	-232.12	-1055.67	-
229.53													
		152	0.48	-0.33	-6.65	-5.67	-1.30	2.29	163.34	-124.40	-18.53	57.46	-
138.76													
		151	1.07	3.04	-2.47	0.65	-0.08	-2.73	491.94	-176.11	225.63	90.20	
327.09													
		117	2.04	14.73	0.89	3.14	12.48	-5.11	51.10	-1062.57	-1.31	-1010.16	
235.84													
75	31	15	1.92	3.22	-9.98	3.22	-9.98	-0.03	1092.85	92.01	163.19	1021.67	
257.24													
		152	0.65	6.55	0.12	5.49	1.17	-2.38	90.79	-290.98	-60.35	-139.83	
186.70													
		151	1.01	2.22	-2.90	-0.66	-0.02	2.54	96.42	-510.66	-253.72	-160.51	-
299.94													

		117	1.99	-0.62	-13.43	-2.87	-11.18	4.88	1035.76	-65.81	-16.31	986.26	-228.21
75	32	15	2.41	22.60	-5.26	-5.26	22.59	-0.15	-256.48	-1339.44	-355.36	-1240.55	-311.94
		152	0.65	-0.76	-12.35	-10.37	-2.74	4.36	192.96	-199.84	-99.07	92.19	-171.55
		151	1.34	6.62	-5.54	1.49	-0.41	-6.01	611.04	-163.27	282.27	165.50	382.73
		117	2.52	29.70	1.78	6.54	24.94	-10.50	69.44	-1209.17	22.62	-1162.34	240.16
75	33	15	2.42	5.39	-21.54	5.39	-21.54	9.89e-03	1322.21	176.04	288.19	1210.06	340.54
		152	0.81	12.35	0.55	10.27	2.63	-4.50	163.80	-315.46	21.75	-173.41	218.86
		151	1.28	5.34	-6.54	-1.51	0.31	5.87	84.73	-632.33	-310.66	-236.93	-356.63
		117	2.48	-1.53	-28.68	-6.34	-23.87	10.36	1185.81	-85.03	-40.86	1141.63	-232.78
75	34	15	1.91	11.04	-3.08	-3.08	11.03	-0.10	-171.04	-1111.50	-230.37	-1052.17	-228.65
		152	0.48	-0.32	-6.54	-5.58	-1.28	2.25	165.24	-123.60	-16.97	58.61	-139.39
		151	1.07	2.98	-2.43	0.63	-0.08	-2.68	490.29	-175.87	225.34	89.08	326.04
		117	2.03	14.46	0.87	3.08	12.25	-5.01	50.55	-1059.45	-1.93	-1006.97	235.59
75	35	15	1.85	2.79	-8.24	2.79	-8.24	-0.04	1064.34	81.77	148.43	997.68	247.09
		152	0.63	5.59	0.07	4.70	0.97	-2.03	84.04	-291.20	-66.14	-141.02	183.84
		151	0.97	1.82	-2.37	-0.53	-0.02	2.08	95.55	-494.42	-242.58	-156.28	-291.81
		117	1.92	-0.47	-11.12	-2.35	-9.24	4.05	1016.70	-61.39	-10.81	966.13	-227.96
75	36	15	2.32	20.45	-4.74	-4.74	20.45	-0.14	-243.89	-1302.78	-337.09	-1209.57	-300.02
		152	0.64	-0.72	-11.17	-9.40	-2.49	3.93	196.44	-190.92	-90.15	95.67	-169.94
		151	1.29	5.97	-5.05	1.32	-0.40	-5.45	591.43	-161.86	270.56	159.02	372.49
		117	2.43	26.84	1.60	5.89	22.55	-9.48	63.66	-1183.61	15.88	-1135.83	239.41
75	37	15	2.33	4.88	-19.39	4.88	-19.39	-7.03e-04	1285.41	163.58	269.92	1179.07	328.61
		152	0.80	11.18	0.51	9.31	2.38	-4.06	155.03	-319.09	12.84	-176.89	217.25
		151	1.23	4.85	-5.89	-1.35	0.31	5.31	83.39	-612.78	-298.94	-230.45	-346.40
		117	2.39	-1.35	-25.82	-5.69	-21.48	9.35	1160.20	-79.19	-34.11	1115.12	-232.03
75	38	15	1.84	9.30	-2.65	-2.65	9.30	-0.09	-160.58	-1083.20	-215.60	-1028.18	-218.49
		152	0.46	-0.28	-5.59	-4.79	-1.08	1.90	165.38	-116.76	-11.18	59.80	-136.53
		151	1.03	2.45	-2.03	0.50	-0.08	-2.22	473.94	-174.89	214.20	84.85	317.91
		117	1.96	12.14	0.72	2.55	10.31	-4.19	46.19	-1040.45	-7.43	-986.84	235.34
75	39	15	1.84	2.74	-8.04	2.74	-8.04	-0.04	1060.52	80.35	146.68	994.18	246.20
		152	0.63	5.48	0.07	4.61	0.95	-1.99	83.25	-293.13	-67.70	-142.17	184.47
		151	0.96	1.78	-2.31	-0.51	-0.02	2.03	95.28	-492.73	-242.30	-155.16	-290.76
		117	1.91	-0.46	-10.85	-2.29	-9.02	3.96	1013.58	-60.84	-10.19	962.94	-227.71
75	40	15	2.33	20.65	-4.78	-4.78	20.65	-0.14	-245.29	-1306.62	-338.84	-1213.07	-300.90
		152	0.63	-0.72	-11.28	-9.49	-2.51	3.97	194.63	-191.83	-91.72	94.52	-169.31
		151	1.29	6.04	-5.10	1.34	-0.40	-5.50	593.12	-162.13	270.85	160.14	373.54

		117	2.44	27.11	1.62	5.96	22.77	-9.58	64.23	-1186.76	16.50	-1139.02
239.66												
75	41	15	2.34	4.92	-19.60	4.92	-19.60	-6.84e-04	1289.26	164.98	271.67	1182.57
329.50												
		152	0.80	11.29	0.51	9.39	2.40	-4.10	155.90	-317.24	14.40	-175.74
216.63												
		151	1.24	4.90	-5.96	-1.37	0.31	5.36	83.69	-614.49	-299.23	-231.58
347.45												
		117	2.40	-1.37	-26.09	-5.75	-21.71	9.44	1163.35	-79.77	-34.74	1118.31
232.28												
75	42	15	1.83	9.09	-2.60	-2.60	9.09	-0.09	-159.14	-1079.39	-213.85	-1024.68
217.61												
		152	0.46	-0.28	-5.48	-4.70	-1.06	1.86	167.29	-115.95	-9.61	60.95
137.16												
		151	1.02	2.39	-1.98	0.48	-0.08	-2.17	472.29	-174.66	213.91	83.72
316.86												
		117	1.95	11.87	0.70	2.49	10.08	-4.10	45.64	-1037.34	-8.05	-983.65
235.08												
75	43	15	0.41	11.35	-1.68	-1.68	11.35	-0.11	18.57	-136.82	-132.45	14.20 -25.69
		152	0.30	-0.57	-5.13	-4.24	-1.45	1.81	-17.01	-142.43	-138.34	-21.10 22.28
		151	0.12	3.55	-3.17	0.81	-0.44	-3.30	23.59	-3.82	-3.20	22.97 4.09
		117	0.38	14.76	0.99	3.39	12.37	-5.22	81.80	-16.49	17.04	48.27 -46.60
75	44	15	1.15	19.05	-3.70	-3.70	19.05	-0.14	-180.28	-598.40	-255.76	-522.92
160.82												
		152	0.40	-0.78	-9.60	-8.00	-2.38	3.40	53.37	-167.24	-147.70	33.83 -62.68
		151	0.66	5.79	-5.00	1.32	-0.53	-5.32	278.74	-54.43	123.95	100.37
166.17												
		117	1.18	24.95	1.56	5.61	20.90	-8.85	34.61	-470.25	26.21	-461.85 64.58
75	45	15	1.16	3.83	-17.99	3.83	-17.99	2.06e-03	583.32	97.69	188.58	492.42
189.42												
		152	0.48	9.61	0.56	7.90	2.27	-3.54	121.52	-166.19	70.38	-115.05
109.99												
		151	0.62	4.80	-5.71	-1.35	0.43	5.18	-21.66	-302.48	-152.33	-171.80
140.07												
		117	1.14	-1.30	-23.94	-5.40	-19.84	8.72	447.79	-51.10	-44.45	441.14 -57.20
75	46	15	0.37	1.82	-10.30	1.82	-10.30	-0.03	87.56	-66.98	65.28	-44.70 54.28
		152	0.22	5.14	0.35	4.15	1.34	-1.94	65.99	-65.08	61.02	-60.12 25.03
		151	0.20	2.97	-3.47	-0.84	0.34	3.17	-18.78	-100.81	-25.18	-94.40 22.01
		117	0.40	-0.73	-13.75	-3.18	-11.30	5.08	4.41	-108.68	-35.28	-68.98 53.98
75	47	15	0.41	11.82	-1.80	-1.79	11.81	-0.11	13.10	-141.72	-136.37	7.75 -28.28
		152	0.31	-0.58	-5.38	-4.45	-1.51	1.90	-17.80	-143.98	-140.10	-21.67 21.77
		151	0.13	3.69	-3.28	0.85	-0.44	-3.43	25.70	-2.01	-0.52	24.22 6.24
		117	0.39	15.38	1.03	3.52	12.89	-5.44	78.70	-17.41	18.48	42.81 -46.49
75	48	15	1.13	18.58	-3.58	-3.58	18.58	-0.14	-177.90	-590.41	-251.84	-516.47
158.23												
		152	0.39	-0.77	-9.35	-7.79	-2.32	3.31	53.75	-165.29	-145.93	34.40 -62.17
		151	0.65	5.65	-4.90	1.28	-0.53	-5.20	274.58	-54.19	121.27	99.12
164.01												
		117	1.16	24.34	1.52	5.47	20.39	-8.63	33.27	-464.88	24.78	-456.39 64.47
75	49	15	1.14	3.72	-17.53	3.72	-17.53	-2.31e-04	575.32	95.33	184.67	485.97
186.82												
		152	0.47	9.36	0.55	7.69	2.22	-3.45	119.58	-166.58	68.62	-115.62
109.48												
		151	0.61	4.69	-5.58	-1.31	0.43	5.06	-21.79	-298.41	-149.65	-170.55
137.92												
		117	1.12	-1.26	-23.32	-5.26	-19.32	8.50	442.39	-49.74	-43.02	435.68 -57.10
75	50	15	0.38	1.93	-10.76	1.93	-10.76	-0.02	93.71	-62.76	69.20	-38.25 56.88
		152	0.23	5.39	0.36	4.36	1.40	-2.04	67.90	-64.67	62.78	-59.55 25.54
		151	0.20	3.08	-3.61	-0.88	0.34	3.29	-22.48	-101.04	-27.86	-95.65 19.85
		117	0.41	-0.77	-14.36	-3.32	-11.82	5.30	5.39	-105.62	-36.71	-63.52 53.87
75	51	15	0.41	11.89	-1.80	-1.80	11.88	-0.11	10.32	-142.44	-137.12	4.99 -28.02
		152	0.31	-0.57	-5.41	-4.47	-1.51	1.91	-19.56	-147.17	-142.48	-24.24 24.01
		151	0.13	3.72	-3.29	0.86	-0.44	-3.44	27.44	-3.95	-2.36	25.85 6.88
		117	0.38	15.47	1.04	3.55	12.96	-5.47	76.38	-17.88	18.68	39.82 -45.93
75	52	15	1.17	19.58	-3.81	-3.81	19.58	-0.14	-183.97	-608.58	-260.42	-532.13
163.15												
		152	0.40	-0.78	-9.88	-8.23	-2.44	3.51	49.17	-170.33	-151.84	30.69 -60.96
		151	0.67	5.96	-5.12	1.36	-0.53	-5.46	283.32	-55.29	124.79	103.25
168.96												
		117	1.21	25.66	1.61	5.77	21.49	-9.10	36.26	-478.71	27.85	-470.31 65.25
75	53	15	1.18	3.95	-18.52	3.95	-18.52	2.19e-03	593.49	101.39	193.25	501.63
191.75												

		152	0.47	9.89	0.57	8.14	2.33	-3.64	124.18	-161.56	74.52	-111.91	108.27
		151	0.63	4.92	-5.88	-1.39	0.43	5.32	-20.66	-307.19	-153.17	-174.68	-142.86
		117	1.16	-1.35	-24.64	-5.57	-20.43	8.96	456.26	-52.76	-46.09	449.59	-57.88
75	54	15	0.38	1.94	-10.83	1.94	-10.83	-0.03	94.58	-60.13	69.94	-35.49	56.61
		152	0.23	5.42	0.36	4.38	1.40	-2.05	69.46	-61.27	65.16	-56.98	23.31
		151	0.20	3.09	-3.64	-0.89	0.34	3.31	-21.17	-102.13	-26.02	-97.28	19.22
		117	0.40	-0.79	-14.45	-3.34	-11.89	5.33	5.87	-103.32	-36.92	-60.53	53.30
75	55	15	0.42	12.35	-1.91	-1.91	12.35	-0.11	4.96	-147.45	-141.03	-1.46	-30.61
		152	0.32	-0.58	-5.66	-4.68	-1.56	2.00	-20.36	-148.70	-144.24	-24.81	23.49
		151	0.14	3.86	-3.40	0.89	-0.44	-3.56	29.86	-2.45	0.32	27.10	9.03
		117	0.39	16.08	1.08	3.69	13.47	-5.69	73.60	-19.13	20.11	34.36	-45.82
75	56	15	1.16	19.12	-3.70	-3.70	19.12	-0.14	-181.59	-600.59	-256.51	-525.68	-160.56
		152	0.40	-0.77	-9.63	-8.02	-2.38	3.41	49.56	-168.38	-150.08	31.26	-60.45
		151	0.66	5.82	-5.01	1.33	-0.53	-5.34	279.16	-55.06	122.11	102.00	166.81
		117	1.19	25.04	1.57	5.63	20.98	-8.88	34.91	-473.33	26.42	-464.84	65.14
75	57	15	1.16	3.84	-18.06	3.84	-18.06	-9.57e-05	585.49	99.02	189.33	495.18	189.15
		152	0.47	9.64	0.56	7.93	2.27	-3.55	122.23	-161.95	72.76	-112.48	107.76
		151	0.62	4.81	-5.74	-1.36	0.43	5.20	-20.78	-303.14	-150.49	-173.43	-140.71
		117	1.14	-1.31	-24.02	-5.43	-19.91	8.74	450.86	-51.39	-44.66	444.13	-57.77
75	58	15	0.38	2.05	-11.29	2.05	-11.29	-0.02	100.85	-56.03	73.86	-29.04	59.21
		152	0.23	5.68	0.37	4.59	1.46	-2.14	71.37	-60.85	66.93	-56.41	23.82
		151	0.20	3.19	-3.78	-0.92	0.34	3.43	-24.75	-102.48	-28.70	-98.53	17.06
		117	0.41	-0.82	-15.07	-3.48	-12.41	5.55	7.14	-100.56	-38.35	-55.07	53.20
75	59	15	1.53	2.60	-7.89	2.60	-7.89	-0.04	866.08	65.90	123.76	808.22	207.26
		152	0.53	5.25	0.07	4.39	0.93	-1.93	69.19	-241.63	-54.37	-118.07	152.11
		151	0.79	1.75	-2.31	-0.53	-0.03	2.02	68.30	-407.54	-203.74	-135.50	-235.46
		117	1.58	-0.47	-10.67	-2.28	-8.86	3.89	819.74	-53.99	-15.18	780.92	-180.02
75	60	15	1.90	17.75	-4.12	-4.11	17.75	-0.13	-210.60	-1058.83	-287.25	-982.18	-243.19
		152	0.50	-0.62	-9.66	-8.13	-2.15	3.39	140.93	-161.46	-85.56	65.03	-131.11
		151	1.06	5.17	-4.35	1.15	-0.33	-4.70	479.98	-137.39	220.10	122.50	304.80
		117	1.99	23.30	1.41	5.12	19.59	-8.21	52.75	-956.85	15.39	-919.50	190.58
75	61	15	1.90	4.25	-16.70	4.25	-16.70	-5.88e-03	1041.60	130.16	220.07	951.68	271.79
		152	0.66	9.67	0.41	8.04	2.05	-3.53	125.42	-263.43	8.24	-146.26	178.42
		151	1.01	4.15	-5.09	-1.18	0.23	4.56	58.83	-501.25	-248.48	-193.93	-278.71
		117	1.95	-1.16	-22.28	-4.92	-18.52	8.08	933.49	-68.33	-33.63	898.79	-183.20
75	62	15	1.52	8.95	-2.46	-2.46	8.95	-0.10	-144.93	-884.72	-190.94	-838.72	-178.66
		152	0.36	-0.28	-5.25	-4.49	-1.04	1.79	115.93	-102.03	-22.95	36.85	-104.80
		151	0.85	2.39	-1.96	0.50	-0.07	-2.16	387.12	-147.70	175.36	64.07	261.56
		117	1.62	11.69	0.72	2.49	9.93	-4.03	38.73	-843.42	-3.06	-801.63	187.40
75	63	15	1.52	2.56	-7.73	2.56	-7.73	-0.04	863.06	64.76	122.36	805.46	206.56
		152	0.53	5.17	0.07	4.32	0.91	-1.90	68.57	-243.20	-55.61	-119.01	152.63
		151	0.79	1.72	-2.26	-0.52	-0.03	1.98	68.07	-406.20	-203.49	-134.64	-234.62
		117	1.57	-0.46	-10.46	-2.23	-8.68	3.82	817.26	-53.55	-14.69	778.39	-179.82
75	64	15	1.90	17.91	-4.15	-4.15	17.91	-0.13	-211.72	-1061.87	-288.65	-984.94	-243.89

		152	0.50	-0.62	-9.75	-8.20	-2.17	3.43	139.46	-162.18	-86.80	64.09	-130.59
		151	1.06	5.22	-4.38	1.16	-0.33	-4.74	481.32	-137.61	220.35	123.36	305.64
		117	2.00	23.51	1.43	5.17	19.76	-8.29	53.20	-959.35	15.88	-922.03	190.78
75	65	15	1.91	4.29	-16.86	4.29	-16.86	-5.84e-03	1044.64	131.28	221.47	954.45	272.48
		152	0.66	9.76	0.41	8.11	2.06	-3.56	126.10	-261.93	9.49	-145.31	177.91
		151	1.01	4.18	-5.14	-1.19	0.23	4.61	59.08	-502.61	-248.73	-194.80	-279.55
		117	1.96	-1.18	-22.49	-4.97	-18.70	8.15	935.99	-68.79	-34.12	901.32	-183.40
75	66	15	1.51	8.79	-2.43	-2.43	8.79	-0.10	-143.78	-881.71	-189.54	-835.95	-177.96
		152	0.36	-0.27	-5.16	-4.42	-1.02	1.76	117.48	-101.39	-21.70	37.79	-105.31
		151	0.85	2.34	-1.92	0.49	-0.07	-2.11	385.81	-147.50	175.11	63.20	260.72
		117	1.61	11.48	0.71	2.44	9.75	-3.96	38.30	-840.95	-3.55	-799.10	187.20
75	67	15	1.47	2.22	-6.35	2.22	-6.35	-0.05	840.75	56.68	110.71	786.72	198.61
		152	0.52	4.41	0.03	3.69	0.75	-1.62	63.23	-243.44	-60.24	-119.97	150.40
		151	0.76	1.40	-1.85	-0.41	-0.03	1.61	67.40	-393.55	-194.81	-131.34	-228.28
		117	1.51	-0.34	-8.61	-1.82	-7.14	3.17	802.41	-50.12	-10.41	762.70	-179.66
75	68	15	1.84	16.21	-3.74	-3.74	16.21	-0.12	-201.72	-1033.16	-274.20	-960.68	-234.54
		152	0.49	-0.59	-8.82	-7.43	-1.97	3.08	142.34	-155.10	-79.69	66.93	-129.40
		151	1.03	4.70	-4.00	1.03	-0.33	-4.30	465.97	-136.47	211.16	118.33	297.62
		117	1.93	21.24	1.28	4.66	17.87	-7.48	48.71	-939.36	10.62	-901.28	190.22
75	69	15	1.84	3.88	-15.15	3.88	-15.15	-0.01	1015.80	121.41	207.03	930.18	263.14
		152	0.65	8.83	0.38	7.34	1.87	-3.22	119.18	-264.96	2.37	-148.15	176.71
		151	0.97	3.79	-4.62	-1.06	0.23	4.16	58.01	-487.32	-239.55	-189.77	-271.53
		117	1.89	-1.03	-20.22	-4.45	-16.80	7.35	915.95	-64.24	-28.86	880.57	-182.84
75	70	15	1.46	7.41	-2.09	-2.08	7.41	-0.09	-135.49	-859.61	-177.89	-817.21	-170.01
		152	0.35	-0.24	-4.40	-3.79	-0.86	1.48	117.63	-95.96	-17.07	38.75	-103.09
		151	0.82	1.93	-1.60	0.39	-0.07	-1.75	373.05	-146.73	166.42	59.90	254.37
		117	1.56	9.64	0.59	2.02	8.21	-3.30	34.92	-826.16	-7.83	-783.42	187.04
75	71	15	1.46	2.19	-6.19	2.19	-6.19	-0.05	837.73	55.54	109.31	783.96	197.91
		152	0.52	4.32	0.03	3.62	0.73	-1.58	62.62	-245.01	-61.49	-120.91	150.92
		151	0.76	1.37	-1.80	-0.40	-0.03	1.57	67.17	-392.20	-194.56	-130.47	-227.44
		117	1.50	-0.33	-8.40	-1.77	-6.96	3.09	799.94	-49.68	-9.91	760.17	-179.46
75	72	15	1.84	16.37	-3.77	-3.77	16.37	-0.12	-202.84	-1036.20	-275.60	-963.44	-235.24
		152	0.49	-0.59	-8.90	-7.50	-1.99	3.11	140.88	-155.82	-80.93	65.99	-128.88
		151	1.03	4.75	-4.03	1.05	-0.33	-4.34	467.31	-136.70	211.42	119.20	298.46
		117	1.94	21.46	1.30	4.71	18.05	-7.56	49.16	-941.86	11.11	-903.81	190.42
75	73	15	1.85	3.91	-15.31	3.91	-15.31	-0.01	1018.84	122.53	208.42	932.95	263.84

		152	0.65	8.91	0.38	7.41	1.88	-3.25	119.86	-263.45	3.61	-147.21
176.20												
		151	0.97	3.83	-4.67	-1.08	0.23	4.20	58.26	-488.69	-239.80	-190.63
- 272.36												
		117	1.89	-1.05	-20.43	-4.50	-16.98	7.42	918.45	-64.70	-29.35	883.10
- 183.04												
75	74	15	1.45	7.25	-2.05	-2.05	7.25	-0.09	-134.34	-856.60	-176.49	-814.45
- 169.31												
		152	0.35	-0.24	-4.32	-3.72	-0.84	1.45	119.19	-95.33	-15.83	39.69
- 103.60												
		151	0.82	1.88	-1.57	0.37	-0.07	-1.71	371.74	-146.53	166.17	59.04
253.54												
		117	1.55	9.43	0.57	1.97	8.03	-3.23	34.49	-823.69	-8.32	-780.88
186.84												
75	75	15	0.34	9.47	-1.38	-1.38	9.47	-0.10	11.83	-118.09	-115.32	9.06 -18.77
		152	0.26	-0.49	-4.24	-3.51	-1.21	1.48	-19.46	-126.07	-121.08	-24.44 22.51
		151	0.10	2.94	-2.64	0.67	-0.37	-2.74	14.49	-6.75	-5.13	12.87 5.63
		117	0.31	12.29	0.84	2.82	10.32	-4.33	65.28	-14.69	12.50	38.09 -37.88
75	76	15	0.95	15.83	-3.04	-3.04	15.83	-0.13	-156.15	-495.93	-217.22	-434.86
- 130.46												
		152	0.33	-0.66	-7.93	-6.62	-1.98	2.80	34.88	-142.72	-128.81	20.97 -47.72
		151	0.55	4.80	-4.15	1.09	-0.44	-4.41	228.47	-51.67	99.97	76.84
139.59												
		117	0.98	20.72	1.31	4.65	17.37	-7.33	27.18	-390.62	20.08	-383.52 54.01
75	77	15	0.96	3.18	-14.78	3.18	-14.78	-0.01	480.84	73.57	150.05	404.37
159.05												
		152	0.41	7.94	0.45	6.52	1.87	-2.94	96.86	-147.57	51.49	-102.19 95.04
		151	0.51	3.95	-4.72	-1.12	0.35	4.27	-24.38	-252.24	-128.35	-148.27
- 113.50												
		117	0.94	-1.06	-19.70	-4.45	-16.30	7.19	368.16	-43.67	-38.32	362.81 -46.63
75	78	15	0.31	1.52	-8.42	1.52	-8.42	-0.03	68.84	-60.26	48.15	-39.56 47.37
		152	0.18	4.25	0.27	3.42	1.10	-1.62	49.55	-62.57	43.76	-56.78 24.81
		151	0.18	2.44	-2.86	-0.70	0.27	2.60	-17.03	-90.53	-23.26	-84.30 20.46
		117	0.33	-0.58	-11.27	-2.61	-9.25	4.19	2.61	-92.15	-30.74	-58.80 45.26
75	79	15	0.35	9.86	-1.47	-1.47	9.86	-0.11	7.20	-122.03	-118.56	3.72 -20.92
		152	0.26	-0.50	-4.45	-3.69	-1.26	1.56	-20.15	-127.30	-122.54	-24.91 22.08
		151	0.11	3.06	-2.73	0.70	-0.37	-2.84	16.71	-5.71	-2.91	13.90 7.42
		117	0.32	12.80	0.87	2.93	10.74	-4.51	62.70	-15.45	13.68	33.57 -37.79
75	80	15	0.94	15.45	-2.95	-2.95	15.45	-0.13	-154.19	-489.32	-213.98	-429.53
- 128.31												
		152	0.33	-0.65	-7.73	-6.45	-1.93	2.72	35.20	-141.12	-127.36	21.44 -47.30
		151	0.54	4.68	-4.07	1.06	-0.44	-4.31	225.02	-51.47	97.75	75.80
137.81												
		117	0.96	20.21	1.28	4.54	16.94	-7.15	26.07	-386.18	18.90	-379.00 53.92
75	81	15	0.94	3.09	-14.40	3.09	-14.40	-0.01	474.22	71.61	146.81	399.03
156.91												
		152	0.40	7.73	0.44	6.35	1.82	-2.86	95.26	-147.89	50.04	-102.66 94.61
		151	0.50	3.86	-4.60	-1.09	0.35	4.17	-24.48	-248.90	-126.13	-147.24
- 111.71												
		117	0.92	-1.02	-19.19	-4.33	-15.88	7.01	363.69	-42.54	-37.13	358.29 -46.54
75	82	15	0.31	1.61	-8.80	1.61	-8.80	-0.03	74.03	-56.87	51.38	-34.22 49.51
		152	0.19	4.46	0.28	3.59	1.15	-1.69	51.14	-62.24	45.22	-56.31 25.23
		151	0.18	2.52	-2.98	-0.73	0.27	2.71	-20.12	-90.69	-25.47	-85.34 18.68
		117	0.34	-0.62	-11.78	-2.73	-9.68	4.37	3.43	-89.63	-31.92	-54.28 45.17
75	83	15	0.35	9.92	-1.47	-1.47	9.92	-0.10	4.91	-122.60	-119.15	1.46 -20.69
		152	0.27	-0.49	-4.47	-3.71	-1.26	1.57	-21.48	-130.06	-124.50	-27.04 23.93
		151	0.11	3.08	-2.74	0.71	-0.37	-2.86	18.05	-7.25	-4.45	15.25 7.94
		117	0.31	12.87	0.88	2.95	10.80	-4.53	60.79	-15.82	13.85	31.12 -37.32
75	84	15	0.97	16.28	-3.14	-3.14	16.28	-0.13	-159.19	-504.33	-221.05	-442.47
- 132.37												
		152	0.34	-0.67	-8.17	-6.81	-2.02	2.89	31.47	-145.32	-132.23	18.37 -46.30
		151	0.56	4.93	-4.25	1.13	-0.44	-4.52	232.23	-52.36	100.65	79.22
141.89												
		117	1.00	21.30	1.35	4.79	17.86	-7.53	28.54	-397.61	21.43	-390.50 54.57
75	85	15	0.98	3.28	-15.22	3.28	-15.22	-0.01	489.23	76.61	153.88	411.97
160.97												
		152	0.40	8.18	0.45	6.72	1.91	-3.02	99.03	-143.71	54.91	-99.59 93.61
		151	0.52	4.05	-4.85	-1.15	0.35	4.39	-23.54	-256.14	-129.03	-150.65
- 115.80												
		117	0.96	-1.10	-20.28	-4.58	-16.79	7.40	375.16	-45.04	-39.67	369.79 -47.19
75	86	15	0.31	1.61	-8.86	1.61	-8.86	-0.03	74.74	-54.72	51.98	-31.96 49.28
		152	0.19	4.48	0.28	3.61	1.15	-1.71	52.32	-59.32	47.18	-54.18 23.38

		151	0.18	2.53	-3.00	-0.74	0.27	2.72	-19.06	-91.56	-23.93	-86.68	18.16
		117	0.34	-0.63	-11.86	-2.75	-9.74	4.39	3.82	-87.73	-32.09	-51.83	44.70
75	87	15	0.35	10.30	-1.57	-1.57	10.30	-0.11	0.37	-126.63	-122.39	-3.88	-22.83
		152	0.27	-0.50	-4.68	-3.88	-1.30	1.64	-22.18	-131.28	-125.96	-27.51	23.51
		151	0.12	3.19	-2.82	0.74	-0.37	-2.96	20.45	-6.40	-2.23	16.28	9.72
		117	0.32	13.38	0.91	3.07	11.23	-4.71	58.49	-16.86	15.04	26.59	-37.23
75	88	15	0.96	15.89	-3.05	-3.04	15.89	-0.13	-157.22	-497.72	-217.81	-437.13	-130.23
		152	0.33	-0.66	-7.96	-6.64	-1.98	2.81	31.79	-143.72	-130.77	18.84	-45.87
		151	0.55	4.82	-4.16	1.10	-0.44	-4.42	228.78	-52.17	98.43	78.18	140.11
		117	0.98	20.79	1.32	4.67	17.43	-7.35	27.43	-393.16	20.25	-385.98	54.48
75	89	15	0.96	3.18	-14.84	3.18	-14.84	-0.01	482.62	74.66	150.64	406.63	158.82
		152	0.40	7.97	0.44	6.54	1.87	-2.95	97.43	-144.03	53.46	-100.06	93.19
		151	0.51	3.96	-4.74	-1.13	0.35	4.29	-23.63	-252.80	-126.81	-149.62	-114.01
		117	0.94	-1.06	-19.77	-4.47	-16.36	7.22	370.69	-43.91	-38.49	365.27	-47.10
75	90	15	0.32	1.70	-9.24	1.70	-9.24	-0.03	80.02	-51.42	55.21	-26.62	51.43
		152	0.19	4.69	0.29	3.79	1.19	-1.78	53.90	-58.98	48.64	-53.71	23.81
		151	0.18	2.62	-3.11	-0.77	0.27	2.82	-22.06	-91.80	-26.15	-87.72	16.38
		117	0.34	-0.66	-12.37	-2.86	-10.16	4.57	4.87	-85.45	-33.27	-47.30	44.61
75	91	15	1.26	2.16	-6.44	2.16	-6.44	-0.05	714.21	47.56	96.44	665.33	173.77
		152	0.45	4.34	0.04	3.62	0.76	-1.61	54.35	-210.65	-51.67	-104.63	129.82
		151	0.65	1.43	-1.90	-0.44	-0.03	1.66	49.63	-338.66	-170.87	-118.16	-192.34
		117	1.30	-0.37	-8.73	-1.87	-7.23	3.21	675.46	-45.96	-14.13	643.63	-148.15
75	92	15	1.57	14.77	-3.39	-3.39	14.77	-0.12	-181.00	-876.64	-243.22	-814.42	-198.52
		152	0.40	-0.53	-7.99	-6.73	-1.79	2.79	106.01	-136.69	-77.42	46.74	-104.27
		151	0.88	4.28	-3.61	0.95	-0.28	-3.90	394.92	-120.39	179.45	95.07	254.18
		117	1.65	19.35	1.19	4.25	16.28	-6.80	42.25	-792.86	11.14	-761.75	158.15
75	93	15	1.58	3.53	-13.71	3.53	-13.71	-0.02	859.40	100.57	176.05	783.92	227.12
		152	0.56	7.99	0.32	6.63	1.68	-2.93	100.63	-228.48	0.11	-127.96	151.58
		151	0.83	3.41	-4.20	-0.98	0.18	3.76	41.85	-416.19	-207.84	-166.50	-228.08
		117	1.61	-0.94	-18.33	-4.05	-15.22	6.66	769.50	-57.84	-29.38	741.04	-150.77
75	94	15	1.25	7.49	-2.02	-2.02	7.49	-0.09	-126.59	-732.85	-163.61	-695.83	-145.17
		152	0.28	-0.25	-4.34	-3.72	-0.87	1.47	84.96	-87.20	-25.65	23.41	-82.51
		151	0.71	1.98	-1.64	0.41	-0.06	-1.79	318.23	-129.02	142.49	46.73	218.44
		117	1.34	9.76	0.62	2.07	8.30	-3.35	30.70	-699.14	-4.10	-664.34	155.53
75	95	15	1.26	2.13	-6.30	2.13	-6.30	-0.05	711.71	46.63	95.29	663.05	173.19
		152	0.46	4.27	0.04	3.56	0.74	-1.58	53.84	-211.94	-52.69	-105.41	130.25
		151	0.65	1.40	-1.86	-0.43	-0.03	1.62	49.44	-337.55	-170.66	-117.45	-191.65
		117	1.29	-0.36	-8.56	-1.83	-7.08	3.15	673.40	-45.60	-13.73	641.53	-147.98
75	96	15	1.57	14.90	-3.42	-3.42	14.90	-0.12	-181.93	-879.15	-244.37	-816.70	-199.10
		152	0.40	-0.53	-8.06	-6.79	-1.80	2.82	104.80	-137.29	-78.45	45.96	-103.84
		151	0.88	4.32	-3.64	0.96	-0.28	-3.93	396.02	-120.58	179.66	95.78	254.87
		117	1.66	19.52	1.20	4.29	16.43	-6.86	42.63	-794.93	11.55	-763.85	158.32
75	97	15	1.58	3.56	-13.84	3.56	-13.84	-0.02	861.92	101.48	177.20	786.20	227.69
		152	0.56	8.06	0.32	6.69	1.70	-2.96	101.18	-227.23	1.13	-127.18	

151.15												
		151	0.83	3.44	-4.24	-0.99	0.18	3.80	42.05	-417.31	-208.04	-167.22	-
228.77												
		117	1.61	-0.95	-18.50	-4.09	-15.36	6.72	771.57	-58.22	-29.79	743.14	-
150.94												
75	98	15	1.25	7.36	-1.99	-1.99	7.36	-0.09	-125.65	-730.36	-162.46	-693.55	-
144.60												
		152	0.29	-0.24	-4.27	-3.66	-0.85	1.44	86.24	-86.67	-24.63	24.19	-82.94
		151	0.71	1.94	-1.61	0.40	-0.06	-1.76	317.15	-128.86	142.28	46.01	
217.75												
		117	1.33	9.58	0.60	2.03	8.15	-3.28	30.34	-697.09	-4.51	-662.25	
155.36												
75	99	15	1.21	1.85	-5.16	1.85	-5.16	-0.05	693.23	39.96	85.65	647.54	
166.62												
		152	0.44	3.64	0.01	3.04	0.61	-1.35	49.43	-212.14	-56.51	-106.20	
128.41												
		151	0.62	1.14	-1.52	-0.35	-0.03	1.32	48.90	-327.09	-163.48	-114.71	-
186.40												
		117	1.25	-0.26	-7.03	-1.48	-5.81	2.60	661.12	-42.75	-10.19	628.55	-
147.85												
75	100	15	1.52	13.49	-3.08	-3.08	13.49	-0.11	-173.65	-855.42	-232.44	-796.63	-
191.37												
		152	0.39	-0.50	-7.29	-6.15	-1.64	2.54	107.16	-131.43	-72.58	48.30	-
102.85												
		151	0.85	3.90	-3.32	0.85	-0.28	-3.56	383.32	-119.63	172.06	91.62	
248.24												
		117	1.60	17.65	1.08	3.87	14.86	-6.20	38.91	-778.40	7.19	-746.68	
157.85												
75	101	15	1.53	3.22	-12.44	3.22	-12.44	-0.02	838.05	93.35	165.26	766.13	
219.96												
		152	0.55	7.30	0.29	6.06	1.53	-2.67	95.48	-229.74	-4.74	-129.52	
150.17												
		151	0.80	3.12	-3.82	-0.88	0.18	3.43	41.18	-404.68	-200.45	-163.06	-
222.14												
		117	1.55	-0.83	-16.63	-3.66	-13.80	6.06	754.98	-54.44	-25.43	725.97	-
150.47												
75	102	15	1.20	6.22	-1.71	-1.71	6.21	-0.09	-118.77	-712.10	-152.83	-678.04	-
138.02												
		152	0.27	-0.22	-3.64	-3.14	-0.72	1.21	86.35	-82.18	-20.80	24.98	-81.09
		151	0.68	1.60	-1.34	0.32	-0.06	-1.46	306.59	-128.21	135.10	43.28	
212.50												
		117	1.29	8.06	0.51	1.69	6.88	-2.74	27.55	-684.86	-8.05	-649.26	
155.22												
75	103	15	1.21	1.82	-5.03	1.82	-5.03	-0.05	690.74	39.03	84.50	645.26	
166.04												
		152	0.44	3.57	8.61e-03	2.99	0.60	-1.32	48.93	-213.44	-57.54	-106.98	
128.83												
		151	0.62	1.11	-1.48	-0.33	-0.03	1.29	48.70	-325.98	-163.27	-114.00	-
185.71												
		117	1.24	-0.25	-6.86	-1.44	-5.66	2.54	659.07	-42.39	-9.78	626.46	-
147.68												
75	104	15	1.52	13.62	-3.11	-3.11	13.62	-0.11	-174.58	-857.92	-233.59	-798.91	-
191.94												
		152	0.39	-0.50	-7.36	-6.21	-1.66	2.56	105.95	-132.03	-73.60	47.52	-
102.43												
		151	0.86	3.94	-3.35	0.86	-0.28	-3.60	384.42	-119.82	172.27	92.33	
248.93												
		117	1.60	17.82	1.09	3.91	15.01	-6.26	39.29	-780.46	7.60	-748.77	
158.02												
75	105	15	1.53	3.25	-12.57	3.25	-12.57	-0.02	840.56	94.27	166.41	768.41	
220.54												
		152	0.55	7.37	0.29	6.11	1.55	-2.70	96.03	-228.49	-3.72	-128.74	
149.74												
		151	0.80	3.15	-3.86	-0.89	0.18	3.46	41.39	-405.80	-200.65	-163.77	-
222.83												
		117	1.56	-0.84	-16.80	-3.70	-13.94	6.12	757.05	-54.82	-25.84	728.06	-
150.64												
75	106	15	1.20	6.08	-1.68	-1.68	6.08	-0.09	-117.82	-709.62	-151.68	-675.76	-
137.45												
		152	0.27	-0.21	-3.57	-3.08	-0.70	1.18	87.63	-81.65	-19.78	25.76	-81.52
		151	0.68	1.56	-1.32	0.31	-0.06	-1.42	305.51	-128.05	134.89	42.57	
211.81												

		117	1.28	7.88	0.50	1.65	6.73	-2.68	27.19	-682.82	-8.46	-647.17
155.06												
76	1	118	0.10	0.37	0.13	0.14	0.36	0.05	5.04	-53.71	2.97	-51.63-10.84
		154	0.06	0.10	-0.02	0.07	0.01	0.05	23.72	-16.18	12.33	-4.80-18.02
		155	0.02	-0.03	-0.25	-0.23	-0.05	0.05	-5.59	-9.39	-6.43	-8.55 1.57
		10	0.09	0.30	-0.17	-0.16	0.30	0.05	-13.95	-57.23	-15.80	-55.39 8.75
76	2	118	0.36	4.73	1.39	1.52	4.61	0.63	10.68	-169.46	7.92	-166.70-22.13
		154	0.21	1.00	-0.38	0.60	0.02	0.63	83.87	-47.92	40.37	-4.43-61.97
		155	0.13	-0.31	-2.35	-2.13	-0.52	0.63	-24.38	-64.68	-63.80	-25.26 5.91
		10	0.35	4.13	-1.29	-1.22	4.06	0.63	-77.27	-206.52	-96.25	-187.53 45.75
76	3	118	0.07	0.20	0.07	0.08	0.20	0.03	3.79	-39.14	2.19	-37.55 -8.13
		154	0.04	0.06	-4.85e-03	0.04	0.01	0.03	17.12	-11.86	8.96	-3.70-13.03
		155	0.01	-0.02	-0.15	-0.14	-0.03	0.03	-3.42	-6.71	-3.86	-6.26 1.13
		10	0.07	0.16	-0.11	-0.11	0.16	0.03	-9.45	-41.30	-10.63	-40.11 6.03
76	4	118	0.33	4.56	1.34	1.46	4.44	0.61	9.46	-154.94	7.14	-152.61-19.41
		154	0.19	0.96	-0.37	0.57	0.02	0.61	77.28	-43.61	37.00	-3.33-56.98
		155	0.12	-0.29	-2.25	-2.04	-0.50	0.61	-22.21	-61.99	-61.23	-22.97 5.46
		10	0.33	3.99	-1.23	-1.16	3.92	0.61	-72.52	-190.83	-91.09	-172.26 43.04
76	5	118	0.07	0.25	0.09	0.10	0.24	0.03	3.84	-40.37	2.24	-38.77 -8.25
		154	0.04	0.07	-8.71e-03	0.05	0.01	0.03	17.75	-12.19	9.26	-3.69-13.50
		155	0.01	-0.02	-0.17	-0.16	-0.03	0.03	-3.93	-6.99	-4.48	-6.44 1.17
		10	0.07	0.20	-0.12	-0.12	0.20	0.03	-10.17	-42.84	-11.49	-41.52 6.43
76	6	118	0.25	3.16	0.93	1.01	3.07	0.42	7.56	-117.50	5.54	-115.48-15.77
		154	0.14	0.67	-0.25	0.40	0.02	0.42	57.84	-33.34	27.95	-3.45-42.80
		155	0.09	-0.21	-1.58	-1.43	-0.35	0.42	-16.94	-43.36	-42.72	-17.58 4.07
		10	0.24	2.76	-0.87	-0.82	2.71	0.42	-52.58	-142.17	-65.13	-129.62 31.10
76	7	118	0.07	0.25	0.09	0.10	0.24	0.03	3.84	-40.37	2.24	-38.77 -8.25
		154	0.04	0.07	-8.71e-03	0.05	0.01	0.03	17.75	-12.19	9.26	-3.69-13.50
		155	0.01	-0.02	-0.17	-0.16	-0.03	0.03	-3.93	-6.99	-4.48	-6.44 1.17
		10	0.07	0.20	-0.12	-0.12	0.20	0.03	-10.17	-42.84	-11.49	-41.52 6.43
76	8	118	0.19	2.28	0.68	0.74	2.22	0.30	6.40	-94.32	4.55	-92.47-13.51
		154	0.11	0.49	-0.18	0.30	0.02	0.30	45.80	-26.97	22.34	-3.52-34.01
		155	0.06	-0.15	-1.15	-1.05	-0.25	0.30	-13.66	-31.83	-31.25	-14.24 3.20
		10	0.19	1.99	-0.65	-0.61	1.95	0.30	-40.13	-112.09	-49.04	-103.19 23.70
76	9	118	0.07	0.25	0.09	0.10	0.24	0.03	3.84	-40.37	2.24	-38.77 -8.25
		154	0.04	0.07	-8.71e-03	0.05	0.01	0.03	17.75	-12.19	9.26	-3.69-13.50
		155	0.01	-0.02	-0.17	-0.16	-0.03	0.03	-3.93	-6.99	-4.48	-6.44 1.17
		10	0.07	0.20	-0.12	-0.12	0.20	0.03	-10.17	-42.84	-11.49	-41.52 6.43
76	10	118	0.18	1.99	0.59	0.65	1.94	0.27	6.01	-86.59	4.22	-84.80-12.76
		154	0.10	0.43	-0.15	0.26	0.01	0.27	41.78	-24.86	20.47	-3.55-31.08
		155	0.06	-0.13	-1.01	-0.92	-0.22	0.27	-12.56	-27.99	-27.42	-13.13 2.91
		10	0.17	1.73	-0.57	-0.54	1.70	0.27	-35.96	-102.09	-43.67	-94.38 21.23
76	11	118	0.46	19.83	1.74	4.70	16.87	6.69	46.54	-98.05	43.91	-95.41 19.33
		154	0.31	4.83	-4.14	1.22	-0.53	4.40	104.38	-59.54	91.92	-47.08-43.44
		155	0.26	-1.08	-6.84	-5.96	-1.96	-2.07	-51.29	-110.27	-108.63	-52.93 -9.70
		10	0.44	15.43	-2.49	-2.49	15.43	0.22	-68.57	-173.93	-115.69	-126.81 52.39
76	12	118	1.15	33.13	2.65	7.77	28.01	11.40	351.63	-53.45	-22.98	321.17
106.83												
		154	0.48	8.25	-7.14	1.99	-0.88	7.56	7.54	-160.76	-67.67	-85.55 83.67
		155	0.50	-1.38	-11.02	-9.27	-3.13	-3.72	-26.82	-208.52	-169.04	-66.31-74.93
		10	1.07	25.76	-3.47	-3.47	25.76	0.12	317.22	-86.08	-79.49	310.63-51.13
76	13	118	1.38	-1.31	-29.30	-6.48	-24.13	-10.87	63.05	-522.40	31.43	-490.77 -
132.35												
		154	0.64	6.85	-7.40	-1.47	0.91	-7.03	240.15	-53.07	108.62	78.46 -
145.83												
		155	0.45	9.91	0.19	7.42	2.69	4.25	165.98	-11.73	114.20	40.06 80.75
		10	1.25	2.40	-22.36	2.39	-22.36	0.41	9.36	-516.61	-7.86	-499.39 93.59
76	14	118	0.43	-0.40	-16.00	-3.41	-12.99	-6.16	-5.98	-103.67	-35.47	-74.18-44.85
		154	0.22	3.85	-3.99	-0.70	0.56	-3.87	43.69	-54.67	-50.97	39.99-18.72
		155	0.18	5.72	-0.10	4.11	1.51	2.61	60.83	19.63	53.78	26.68 15.52
		10	0.34	1.41	-12.03	1.41	-12.02	0.31	29.43	-63.03	28.35	-61.95 -9.93
76	15	118	0.46	20.51	1.79	4.86	17.44	6.93	46.64	-93.43	43.45	-90.24 20.89
		154	0.31	5.01	-4.30	1.26	-0.55	4.57	102.08	-58.66	90.30	-46.88-41.87
		155	0.27	-1.09	-7.05	-6.12	-2.02	-2.16	-50.81	-112.25	-110.55	-52.51-10.08
		10	0.44	15.96	-2.53	-2.53	15.96	0.22	-67.04	-170.91	-116.27	-121.68 51.86
76	16	118	1.13	32.46	2.61	7.62	27.44	11.16	346.06	-52.58	-22.52	316.00
105.26												
		154	0.47	8.07	-6.98	1.95	-0.86	7.39	6.79	-158.60	-66.06	-85.75 82.11
		155	0.49	-1.36	-10.81	-9.11	-3.07	-3.64	-27.04	-206.79	-167.12	-66.72-74.55
		10	1.05	25.24	-3.43	-3.43	25.23	0.13	312.06	-85.47	-78.92	305.51-50.61
76	17	118	1.36	-1.26	-28.63	-6.33	-23.56	-10.63	62.18	-516.82	30.96	-485.60 -
130.78												

		154	0.63	6.69	-7.23	-1.43	0.89	-6.86	237.79	-52.13	107.01	78.65	-144.27
		155	0.44	9.71	0.17	7.26	2.63	4.17	164.40	-11.65	112.27	40.47	80.37
		10	1.23	2.36	-21.83	2.35	-21.83	0.40	8.79	-511.49	-8.43	-494.27	93.06
76	18	118	0.45	-0.44	-16.68	-3.56	-13.55	-6.40	-5.74	-108.62	-35.01	-79.36	-46.42
		154	0.23	4.01	-4.16	-0.73	0.58	-4.04	44.19	-53.76	-49.36	39.79	-20.28
		155	0.19	5.93	-0.08	4.27	1.57	2.69	62.65	19.32	55.71	26.26	15.90
		10	0.36	1.46	-12.56	1.45	-12.55	0.31	29.83	-67.99	28.92	-67.07	-9.40
76	19	118	0.46	20.42	1.76	4.82	17.36	6.91	41.65	-97.55	39.06	-94.96	18.81
		154	0.31	4.97	-4.30	1.23	-0.56	4.55	104.98	-59.00	92.84	-46.86	-42.94
		155	0.26	-1.10	-7.04	-6.13	-2.02	-2.15	-49.98	-109.81	-108.71	-51.08	-8.03
		10	0.44	15.89	-2.55	-2.55	15.89	0.22	-66.86	-174.88	-116.70	-125.05	53.85
76	20	118	1.16	33.72	2.67	7.89	28.50	11.61	351.42	-57.64	-27.84	321.63	106.31
		154	0.48	8.38	-7.30	2.00	-0.91	7.70	8.65	-160.72	-66.75	-85.32	84.17
		155	0.50	-1.40	-11.22	-9.43	-3.19	-3.79	-26.76	-206.83	-169.13	-64.46	-73.27
		10	1.08	26.22	-3.53	-3.53	26.22	0.11	318.57	-86.68	-80.49	312.39	-49.67
76	21	118	1.39	-1.32	-29.89	-6.59	-24.62	-11.08	67.39	-522.34	36.29	-491.23	-131.83
		154	0.65	7.01	-7.54	-1.48	0.94	-7.17	240.04	-54.11	107.70	78.23	-146.33
		155	0.45	10.12	0.21	7.58	2.75	4.32	164.01	-11.51	114.29	38.21	79.09
		10	1.26	2.46	-22.82	2.45	-22.82	0.42	9.76	-517.76	-6.85	-501.15	92.12
76	22	118	0.44	-0.42	-16.59	-3.53	-13.48	-6.37	-3.13	-102.12	-30.61	-74.64	-44.33
		154	0.23	4.01	-4.13	-0.71	0.59	-4.02	43.63	-55.76	-51.89	39.77	-19.22
		155	0.18	5.93	-0.08	4.28	1.58	2.68	59.42	19.28	53.87	24.83	13.85
		10	0.36	1.47	-12.49	1.47	-12.48	0.31	30.73	-65.08	29.35	-63.71	-11.39
76	23	118	0.46	21.09	1.81	4.97	17.93	7.14	41.75	-92.94	38.59	-89.79	20.38
		154	0.31	5.14	-4.46	1.27	-0.58	4.71	102.69	-58.12	91.23	-46.66	-41.37
		155	0.27	-1.12	-7.25	-6.29	-2.08	-2.23	-49.51	-111.80	-110.64	-50.67	-8.42
		10	0.44	16.42	-2.59	-2.59	16.42	0.21	-65.26	-171.94	-117.27	-119.93	53.32
76	24	118	1.14	33.04	2.63	7.73	27.94	11.37	345.85	-56.77	-27.38	316.46	104.74
		154	0.48	8.21	-7.14	1.96	-0.89	7.54	7.90	-158.57	-65.14	-85.52	82.61
		155	0.49	-1.39	-11.02	-9.27	-3.13	-3.71	-26.99	-205.09	-167.21	-64.88	-72.88
		10	1.06	25.69	-3.49	-3.49	25.69	0.12	313.41	-86.06	-79.92	307.27	-49.14
76	25	118	1.37	-1.28	-29.21	-6.44	-24.06	-10.84	66.53	-516.76	35.82	-486.05	-130.26
		154	0.64	6.85	-7.37	-1.44	0.92	-7.01	237.68	-53.17	106.08	78.43	-144.77
		155	0.44	9.91	0.20	7.42	2.69	4.24	162.40	-11.42	112.36	38.62	78.70
		10	1.24	2.42	-22.29	2.41	-22.29	0.41	9.18	-512.64	-7.42	-496.03	91.60
76	26	118	0.46	-0.46	-17.27	-3.68	-14.05	-6.61	-2.80	-107.16	-30.15	-79.81	-45.90
		154	0.23	4.17	-4.30	-0.74	0.61	-4.18	44.15	-54.86	-50.28	39.57	-20.79
		155	0.19	6.13	-0.06	4.44	1.64	2.76	61.29	18.92	55.79	24.42	14.23
		10	0.38	1.52	-13.02	1.51	-13.01	0.32	31.11	-70.01	29.93	-68.83	-10.87
76	27	118	1.55	-0.37	-12.90	-2.79	-10.49	-4.94	139.08	-741.29	117.59	-719.81	-135.84
		154	0.87	3.21	-3.43	-0.61	0.39	-3.28	420.64	-94.96	283.95	41.73	-227.58
		155	0.36	4.00	-0.39	2.58	1.04	2.06	118.11	-83.04	39.85	-4.78	98.06
		10	1.47	0.39	-9.88	0.37	-9.86	0.41	-69.77	-817.98	-120.19	-767.56	187.57
76	28	118	1.76	31.47	2.64	7.44	26.67	10.74	699.00	-135.59	-105.40	668.82	155.82
		154	0.84	7.95	-6.79	1.94	-0.79	7.24	44.86	-379.36	-248.01	-86.49	196.14
		155	0.57	-1.25	-10.07	-8.44	-2.88	-3.42	26.45	-237.35	-161.54	-49.37	-119.38
		10	1.65	24.60	-2.91	-2.91	24.60	0.06	724.82	-33.75	0.49	690.58	-157.48
76	29	118	2.00	-1.29	-27.63	-6.14	-22.78	-10.21	147.21	-871.78	113.85	-838.42	-181.34
		154	1.02	6.50	-7.10	-1.42	0.82	-6.71	462.92	-94.56	288.96	79.39	-258.29
		155	0.54	8.98	0.04	6.59	2.43	3.96	196.90	-67.08	106.70	23.12	125.20
		10	1.86	1.84	-21.20	1.83	-21.19	0.47	-40.20	-926.97	-87.84	-879.34	199.94
76	30	118	1.31	16.73	1.71	4.08	14.37	5.47	568.18	-127.12	-109.15	550.21	110.32
		154	0.68	4.28	-3.50	1.14	-0.36	3.81	45.89	-337.72	-243.00	-48.82	

165.42													
		155	0.37	-0.83	-5.07	-4.43	-1.48	-1.53	41.16	-157.33	-94.69	-21.47	-92.25
		10	1.24	13.27	-1.45	-1.45	13.27	0.12	614.98	-3.33	32.84	578.80	-
145.12													
76	31	118	1.55	-0.37	-12.72	-2.75	-10.34	-4.88	137.71	-741.24	116.13	-719.67	-
136.00													
		154	0.86	3.16	-3.39	-0.61	0.38	-3.24	420.72	-94.70	284.22	41.80	-
227.43													
		155	0.36	3.94	-0.40	2.53	1.02	2.04	118.79	-83.20	39.82	-4.22	98.56
		10	1.46	0.37	-9.74	0.35	-9.72	0.41	-69.79	-817.73	-120.49	-767.03	
188.01													
76	32	118	1.76	31.64	2.64	7.47	26.81	10.80	699.02	-136.93	-106.86	668.95	
155.67													
		154	0.84	7.99	-6.84	1.95	-0.80	7.29	45.13	-379.29	-247.74	-86.42	
196.29													
		155	0.57	-1.25	-10.13	-8.49	-2.89	-3.45	26.38	-236.76	-161.56	-48.81	-
118.88													
		10	1.65	24.74	-2.93	-2.93	24.74	0.06	725.12	-33.83	0.19	691.10	-
157.04													
76	33	118	2.00	-1.30	-27.81	-6.18	-22.93	-10.27	148.56	-871.81	115.30	-838.55	-
181.19													
		154	1.02	6.55	-7.14	-1.42	0.83	-6.75	462.84	-94.83	288.68	79.33	-
258.45													
		155	0.54	9.04	0.05	6.64	2.45	3.98	196.25	-66.97	106.72	22.56	
124.70													
		10	1.86	1.86	-21.34	1.85	-21.33	0.47	-40.14	-927.26	-87.54	-879.86	
199.50													
76	34	118	1.30	16.56	1.71	4.05	14.22	5.41	568.13	-125.75	-107.69	550.07	
110.48													
		154	0.68	4.23	-3.45	1.13	-0.35	3.77	45.64	-337.81	-243.28	-48.89	
165.27													
		155	0.37	-0.83	-5.01	-4.38	-1.46	-1.50	41.26	-157.95	-94.66	-22.03	-92.75
		10	1.24	13.13	-1.43	-1.43	13.13	0.12	614.71	-3.28	33.15	578.27	-
145.56													
76	35	118	1.48	-0.23	-10.64	-2.28	-8.59	-4.15	136.38	-722.90	116.04	-702.57	-
130.61													
		154	0.84	2.67	-2.86	-0.50	0.31	-2.73	412.26	-91.29	278.58	42.39	-
222.36													
		155	0.34	3.32	-0.44	2.04	0.84	1.78	113.55	-83.50	33.43	-3.39	96.79
		10	1.41	0.25	-8.11	0.23	-8.09	0.38	-71.26	-801.32	-122.10	-750.48	
185.83													
76	36	118	1.69	29.21	2.49	6.93	24.77	9.94	680.49	-132.77	-103.85	651.57	
150.60													
		154	0.81	7.37	-6.26	1.83	-0.72	6.69	41.25	-371.03	-242.64	-87.15	
190.92													
		155	0.55	-1.20	-9.38	-7.91	-2.67	-3.15	26.18	-232.06	-155.13	-50.76	-
118.11													
		10	1.59	22.84	-2.77	-2.77	22.84	0.09	707.88	-31.97	2.40	673.50	-
155.73													
76	37	118	1.93	-1.15	-25.38	-5.64	-20.89	-9.41	144.42	-853.30	112.30	-821.17	-
176.12													
		154	0.99	5.97	-6.53	-1.31	0.75	-6.16	454.59	-90.95	283.59	80.05	-
253.08													
		155	0.52	8.29	-6.07e-03	6.06	2.23	3.68	191.98	-67.19	100.28	24.50	
123.92													
		10	1.80	1.70	-19.44	1.69	-19.43	0.44	-41.87	-910.14	-89.75	-862.26	
198.19													
76	38	118	1.24	14.48	1.57	3.57	12.47	4.68	549.77	-124.40	-107.60	532.97	
105.09													
		154	0.65	3.70	-2.96	1.02	-0.28	3.26	42.22	-329.34	-237.63	-49.48	
160.20													
		155	0.35	-0.78	-4.40	-3.89	-1.28	-1.25	41.10	-152.24	-88.28	-22.86	-90.97
		10	1.18	11.50	-1.31	-1.31	11.50	0.15	598.21	-1.73	34.75	561.73	-
143.37													
76	39	118	1.48	-0.22	-10.47	-2.25	-8.44	-4.08	135.00	-722.85	114.58	-702.43	-
130.77													
		154	0.83	2.62	-2.82	-0.50	0.30	-2.69	412.34	-91.03	278.85	42.46	-
222.21													
		155	0.34	3.26	-0.45	1.99	0.82	1.76	114.25	-83.68	33.41	-2.84	97.29
		10	1.41	0.23	-7.97	0.21	-7.96	0.38	-71.28	-801.08	-122.40	-749.96	
186.26													
76	40	118	1.69	29.39	2.50	6.96	24.92	10.01	680.51	-134.11	-105.31	651.71	

150.44												
		154	0.81	7.41	-6.30	1.83	-0.73	6.74	41.52	-370.96	-242.37	-87.08
191.07												
		155	0.55	-1.20	-9.45	-7.95	-2.69	-3.17	26.11	-231.46	-155.15	-50.20
117.61												
		10	1.59	22.97	-2.79	-2.79	22.97	0.09	708.18	-32.05	2.10	674.03
155.29												
76	41	118	1.93	-1.15	-25.55	-5.67	-21.04	-9.48	145.77	-853.33	113.75	-821.31
175.96												
		154	0.99	6.01	-6.57	-1.31	0.76	-6.21	454.52	-91.22	283.31	79.99
253.23												
		155	0.52	8.35	8.03e-04	6.11	2.25	3.70	191.32	-67.06	100.31	23.95
123.42												
		10	1.80	1.72	-19.58	1.71	-19.57	0.44	-41.81	-910.42	-89.45	-862.79
197.75												
76	42	118	1.24	14.30	1.56	3.54	12.32	4.61	549.72	-123.03	-106.14	532.83
105.25												
		154	0.65	3.66	-2.91	1.02	-0.28	3.22	41.97	-329.43	-237.91	-49.55
160.05												
		155	0.35	-0.77	-4.34	-3.84	-1.26	-1.23	41.21	-152.88	-88.25	-23.41
		10	1.18	11.36	-1.29	-1.29	11.36	0.15	597.94	-1.69	35.06	561.20
143.81												
76	43	118	0.40	16.10	1.52	3.86	13.76	5.35	36.81	-94.69	35.58	-93.46
		154	0.27	3.92	-3.31	1.02	-0.42	3.54	89.95	-51.02	76.79	-37.87
		155	0.21	-0.96	-5.55	-4.91	-1.60	-1.59	-43.23	-92.64	-91.60	-44.27
		10	0.38	12.57	-2.08	-2.08	12.57	0.23	-63.82	-157.85	-101.11	-120.57
76	44	118	0.89	26.58	2.23	6.27	22.54	9.06	259.50	-41.75	-17.66	235.40
		154	0.36	6.60	-5.67	1.62	-0.70	6.03	1.27	-118.79	-49.44	-68.08
		155	0.40	-1.21	-8.84	-7.52	-2.52	-2.88	-25.10	-169.17	-139.18	-55.10
		10	0.82	20.71	-2.86	-2.86	20.71	0.15	228.94	-77.19	-72.99	224.74
76	45	118	1.12	-0.89	-22.75	-4.98	-18.66	-8.53	51.31	-430.20	26.10	-405.00
107.24												
		154	0.52	5.38	-5.76	-1.10	0.73	-5.50	198.03	-46.66	90.39	60.99
121.46												
		155	0.35	7.73	0.02	5.67	2.08	3.41	126.63	-13.45	84.33	28.85
		10	1.01	1.79	-17.31	1.78	-17.30	0.38	0.37	-428.23	-14.35	-413.50
76	46	118	0.36	-0.17	-12.28	-2.57	-9.88	-4.82	-6.28	-97.00	-27.14	-76.14
		154	0.18	3.02	-3.07	-0.50	0.45	-3.01	36.92	-42.00	-35.85	30.77
		155	0.14	4.43	-0.22	3.06	1.15	2.12	43.34	11.44	36.76	18.02
		10	0.29	1.01	-9.17	1.00	-9.16	0.30	13.92	-68.35	13.77	-68.19
76	47	118	0.40	16.64	1.55	3.98	14.21	5.54	36.70	-91.06	35.18	-89.54
		154	0.26	4.05	-3.44	1.05	-0.44	3.67	88.15	-50.28	75.55	-37.67
		155	0.22	-0.97	-5.71	-5.04	-1.65	-1.65	-42.87	-94.18	-93.10	-43.95
		10	0.38	12.99	-2.12	-2.12	12.99	0.23	-62.91	-155.42	-101.64	-116.69
76	48	118	0.87	26.05	2.20	6.15	22.09	8.87	255.28	-41.04	-17.25	231.48
		154	0.36	6.47	-5.55	1.60	-0.68	5.90	0.75	-117.21	-48.19	-68.27
		155	0.40	-1.19	-8.67	-7.39	-2.47	-2.82	-25.26	-167.84	-137.68	-55.42
		10	0.81	20.29	-2.83	-2.83	20.29	0.16	225.05	-76.64	-72.47	220.87
76	49	118	1.10	-0.85	-22.22	-4.86	-18.21	-8.34	50.59	-425.98	25.69	-401.08
106.04												
		154	0.52	5.26	-5.62	-1.08	0.71	-5.37	196.25	-45.93	89.14	61.18
120.28												
		155	0.35	7.57	3.53e-03	5.54	2.03	3.35	125.44	-13.44	82.83	29.17
		10	0.99	1.76	-16.89	1.75	-16.89	0.37	-0.13	-424.38	-14.88	-409.63
76	50	118	0.38	-0.20	-12.81	-2.69	-10.33	-5.01	-5.85	-100.95	-26.73	-80.06
		154	0.19	3.15	-3.21	-0.53	0.46	-3.14	37.50	-41.52	-34.60	30.58
		155	0.14	4.59	-0.20	3.19	1.20	2.18	44.68	11.27	38.26	17.69
		10	0.30	1.04	-9.59	1.04	-9.58	0.30	14.41	-72.18	14.29	-72.06
76	51	118	0.40	16.56	1.53	3.95	14.15	5.52	32.91	-94.31	31.72	-93.12
		154	0.27	4.02	-3.43	1.03	-0.44	3.66	90.34	-50.53	77.45	-37.65
		155	0.22	-0.98	-5.71	-5.04	-1.65	-1.65	-42.06	-92.27	-91.60	-42.72
		10	0.39	12.93	-2.13	-2.13	12.93	0.23	-62.64	-158.56	-101.97	-119.23
76	52	118	0.90	27.04	2.25	6.36	22.93	9.23	259.28	-45.07	-21.53	235.74
		154	0.37	6.71	-5.80	1.63	-0.72	6.14	2.12	-118.77	-48.79	-67.86
		155	0.40	-1.22	-9.00	-7.65	-2.57	-2.94	-24.95	-167.78	-139.17	-53.56
		10	0.83	21.07	-2.91	-2.91	21.07	0.15	229.98	-77.75	-73.85	226.07
76	53	118	1.13	-0.90	-23.21	-5.07	-19.04	-8.70	54.78	-430.14	29.97	-405.33
106.84												
		154	0.53	5.51	-5.87	-1.11	0.75	-5.61	197.96	-47.46	89.73	60.77
121.85												
		155	0.35	7.89	0.03	5.80	2.13	3.47	124.95	-13.32	84.33	27.31
		10	1.02	1.84	-17.67	1.83	-17.67	0.39	0.73	-429.06	-13.50	-414.83

-91.47	
-	
12.65	
-41.00	
-7.09	
46.00	
81.72	
59.30	
-58.49	
-35.61	
-	
64.31	
78.07	
-38.17	
-21.16	
12.90	
-3.54	
13.85	
-39.82	
-7.35	
45.63	
80.52	
58.12	
-58.23	
-35.25	
-	
64.05	
77.71	
-39.37	
-22.34	
13.17	
-3.18	
12.25	
-40.61	
-5.76	
47.17	
81.32	
59.69	
-57.17	
-34.44	
-	
62.98	
76.90	

76	54	118	0.37	-0.19	-12.74	-2.66	-10.27	-4.99	-3.68	-96.07	-23.27	-76.48-37.77
		154	0.19	3.14	-3.18	-0.51	0.47	-3.12	36.88	-42.83	-36.50	30.55-21.55
		155	0.14	4.59	-0.20	3.19	1.20	2.18	42.00	11.23	36.76	16.47 11.58
		10	0.30	1.06	-9.53	1.05	-9.52	0.30	14.89	-69.79	14.62	-69.53 -4.72
76	55	118	0.40	17.10	1.57	4.07	14.60	5.71	32.79	-90.69	31.31	-89.21 13.45
		154	0.27	4.16	-3.56	1.06	-0.46	3.79	88.54	-49.79	76.20	-37.45-39.43
		155	0.22	-0.99	-5.87	-5.17	-1.69	-1.71	-41.70	-93.80	-93.10	-42.40 -6.02
		10	0.39	13.35	-2.16	-2.16	13.35	0.22	-61.68	-156.18	-102.49	-115.36 46.81
76	56	118	0.88	26.51	2.21	6.24	22.48	9.04	255.06	-44.36	-21.12	231.82 80.12
		154	0.36	6.57	-5.67	1.61	-0.70	6.01	1.61	-117.20	-47.54	-68.05 58.51
		155	0.40	-1.21	-8.83	-7.52	-2.52	-2.88	-25.11	-166.44	-137.67	-53.88-56.90
		10	0.82	20.66	-2.87	-2.87	20.65	0.15	226.08	-77.20	-73.32	222.20-34.08
76	57	118	1.11	-0.87	-22.68	-4.95	-18.60	-8.51	54.06	-425.92	29.56	-401.42 -
105.64												
		154	0.52	5.38	-5.73	-1.08	0.73	-5.48	196.17	-46.73	88.48	60.96 -
120.67												
		155	0.35	7.73	0.02	5.67	2.08	3.41	123.75	-13.29	82.83	27.63 62.72
		10	1.00	1.80	-17.26	1.79	-17.25	0.38	0.22	-425.21	-14.02	-410.96 76.53
76	58	118	0.38	-0.22	-13.27	-2.78	-10.71	-5.18	-3.20	-100.06	-22.87	-80.39-38.97
		154	0.19	3.27	-3.32	-0.53	0.49	-3.25	37.47	-42.36	-35.25	30.36-22.73
		155	0.14	4.75	-0.18	3.32	1.25	2.24	43.40	11.01	38.25	16.15 11.84
		10	0.31	1.09	-9.95	1.08	-9.94	0.31	15.36	-73.61	15.15	-73.40 -4.35
76	59	118	1.25	-0.14	-9.73	-2.05	-7.83	-3.83	111.69	-603.47	94.38	-586.16 -
109.89												
		154	0.70	2.49	-2.61	-0.42	0.31	-2.52	341.00	-80.19	228.82	31.99 -
186.18												
		155	0.28	3.06	-0.46	1.83	0.77	1.68	89.18	-69.74	25.47	-6.04 77.88
		10	1.18	0.20	-7.40	0.18	-7.38	0.38	-62.32	-667.18	-103.55	-625.95
152.44												
76	60	118	1.36	25.21	2.21	6.00	21.43	8.53	533.51	-106.58	-83.09	510.03
120.34												
		154	0.65	6.35	-5.39	1.58	-0.62	5.76	30.11	-290.80	-191.96	-68.73
148.16												
		155	0.46	-1.10	-8.07	-6.86	-2.31	-2.65	16.33	-191.58	-133.10	-42.15-93.48
		10	1.28	19.75	-2.42	-2.42	19.75	0.11	550.60	-35.35	-9.82	525.07 -
119.60												
76	61	118	1.60	-0.87	-21.38	-4.70	-17.55	-7.99	118.20	-706.29	91.54	-679.63 -
145.86												
		154	0.83	5.10	-5.51	-1.06	0.65	-5.23	374.35	-79.81	232.90	61.64 -
210.32												
		155	0.42	6.98	-0.11	5.01	1.87	3.18	151.16	-57.00	78.26	15.90 99.30
		10	1.49	1.35	-16.36	1.34	-16.35	0.42	-38.63	-752.73	-77.52	-713.83
162.06												
76	62	118	1.01	13.57	1.48	3.34	11.71	4.36	430.35	-99.73	-85.94	416.56 84.37
		154	0.52	3.45	-2.78	0.95	-0.28	3.05	31.15	-258.10	-187.88	-39.08
124.02												
		155	0.30	-0.76	-4.13	-3.68	-1.21	-1.15	27.81	-128.34	-80.32	-20.22-72.06
		10	0.96	10.79	-1.26	-1.26	10.79	0.15	464.19	-10.79	16.21	437.19 -
109.98												
76	63	118	1.25	-0.14	-9.60	-2.02	-7.71	-3.78	110.59	-603.44	93.22	-586.06 -
110.01												
		154	0.70	2.45	-2.57	-0.42	0.30	-2.49	341.06	-79.98	229.02	32.05 -
186.06												
		155	0.28	3.01	-0.47	1.79	0.75	1.66	89.76	-69.85	25.48	-5.57 78.28
		10	1.18	0.19	-7.29	0.17	-7.28	0.38	-62.36	-667.00	-103.81	-625.55
152.79												
76	64	118	1.37	25.35	2.22	6.02	21.55	8.58	533.52	-107.65	-84.25	510.13
120.22												
		154	0.65	6.38	-5.42	1.59	-0.63	5.80	30.33	-290.76	-191.76	-68.67
148.28												
		155	0.46	-1.10	-8.12	-6.89	-2.33	-2.66	16.31	-191.09	-133.10	-41.69-93.08
		10	1.28	19.86	-2.43	-2.43	19.86	0.11	550.83	-35.43	-10.08	525.47 -
119.25												
76	65	118	1.61	-0.88	-21.52	-4.73	-17.67	-8.04	119.28	-706.31	92.70	-679.73 -
145.74												
		154	0.83	5.13	-5.54	-1.06	0.66	-5.27	374.31	-80.02	232.71	61.58 -
210.43												
		155	0.42	7.03	-0.10	5.04	1.88	3.20	150.61	-56.92	78.25	15.44 98.90
		10	1.49	1.36	-16.46	1.35	-16.45	0.43	-38.57	-752.93	-77.27	-714.23
161.71												
76	66	118	1.00	13.43	1.48	3.32	11.59	4.31	430.32	-98.64	-84.78	416.46 84.49
		154	0.52	3.42	-2.74	0.94	-0.27	3.02	30.95	-258.17	-188.08	-39.14

123.90													
		155	0.30	-0.76	-4.08	-3.64	-1.20	-1.13	27.86	-128.86	-80.32	-20.68	-72.46
		10	0.96	10.68	-1.25	-1.25	10.68	0.15	463.99	-10.74	16.46	436.79	-
110.33													
76	67	118	1.20	-0.03	-7.95	-1.65	-6.33	-3.20	109.45	-589.54	93.03	-573.11	-
105.90													
		154	0.68	2.07	-2.15	-0.34	0.25	-2.09	334.64	-77.35	224.66	32.62	-
182.25													
		155	0.27	2.52	-0.51	1.41	0.61	1.46	85.80	-70.28	20.48	-4.97	77.00
		10	1.14	0.09	-6.01	0.07	-5.99	0.36	-63.67	-654.68	-105.30	-613.05	
151.23													
76	68	118	1.31	23.43	2.10	5.60	19.94	7.90	519.49	-104.25	-81.74	496.97	
116.34													
		154	0.62	5.90	-4.96	1.50	-0.56	5.33	27.32	-284.49	-187.79	-69.37	
144.22													
		155	0.44	-1.06	-7.53	-6.43	-2.15	-2.43	16.20	-187.52	-128.11	-43.22	-92.60
		10	1.23	18.36	-2.31	-2.31	18.36	0.13	537.85	-33.75	-8.07	512.17	-
118.39													
76	69	118	1.55	-0.76	-19.60	-4.30	-16.06	-7.36	115.90	-692.29	90.18	-666.57	-
141.86													
		154	0.80	4.67	-5.05	-0.97	0.59	-4.80	368.04	-77.02	228.74	62.28	-
206.38													
		155	0.41	6.44	-0.15	4.58	1.71	2.96	147.48	-57.25	73.26	16.97	98.42
		10	1.45	1.24	-14.96	1.23	-14.95	0.40	-40.12	-740.08	-79.27	-700.93	
160.85													
76	70	118	0.95	11.79	1.37	2.94	10.21	3.73	416.41	-97.48	-84.58	403.51	80.37
		154	0.50	2.99	-2.36	0.86	-0.22	2.62	28.30	-251.73	-183.72	-39.72	
120.09													
		155	0.28	-0.71	-3.60	-3.26	-1.05	-0.93	27.83	-124.44	-75.32	-21.28	-71.18
		10	0.91	9.40	-1.15	-1.15	9.40	0.17	451.58	-9.33	17.96	424.29	-
108.77													
76	71	118	1.19	-0.02	-7.82	-1.62	-6.21	-3.15	108.36	-589.51	91.87	-573.01	-
106.02													
		154	0.68	2.03	-2.12	-0.33	0.24	-2.05	334.69	-77.15	224.86	32.69	-
182.13													
		155	0.27	2.47	-0.51	1.37	0.59	1.44	86.39	-70.41	20.48	-4.50	77.39
		10	1.13	0.07	-5.90	0.05	-5.88	0.36	-63.70	-654.51	-105.56	-612.65	
151.58													
76	72	118	1.31	23.57	2.11	5.62	20.05	7.95	519.50	-105.32	-82.90	497.08	
116.22													
		154	0.62	5.93	-5.00	1.50	-0.57	5.37	27.54	-284.44	-187.60	-69.31	
144.34													
		155	0.44	-1.06	-7.58	-6.47	-2.17	-2.45	16.17	-187.03	-128.10	-42.76	-92.20
		10	1.24	18.47	-2.32	-2.32	18.47	0.13	538.07	-33.83	-8.33	512.57	-
118.04													
76	73	118	1.55	-0.76	-19.74	-4.33	-16.17	-7.41	116.98	-692.31	91.34	-666.67	-
141.74													
		154	0.80	4.71	-5.09	-0.98	0.60	-4.83	368.00	-77.24	228.54	62.21	-
206.50													
		155	0.41	6.48	-0.14	4.62	1.72	2.98	146.93	-57.16	73.26	16.50	98.02
		10	1.45	1.25	-15.07	1.24	-15.06	0.40	-40.06	-740.29	-79.02	-701.33	
160.50													
76	74	118	0.95	11.65	1.37	2.92	10.10	3.68	416.38	-96.39	-83.42	403.41	80.50
		154	0.50	2.96	-2.32	0.86	-0.21	2.59	28.10	-251.80	-183.91	-39.78	
119.97													
		155	0.28	-0.71	-3.55	-3.22	-1.04	-0.91	27.89	-124.96	-75.33	-21.75	-71.58
		10	0.91	9.29	-1.14	-1.13	9.29	0.17	451.38	-9.28	18.21	423.89	-
109.12													
76	75	118	0.36	13.64	1.37	3.30	11.71	4.47	30.74	-92.46	30.18	-91.90	8.28
		154	0.24	3.31	-2.76	0.89	-0.34	2.97	80.74	-45.65	67.06	-31.97	-39.27
		155	0.19	-0.88	-4.70	-4.22	-1.36	-1.27	-38.25	-81.22	-80.53	-38.94	-5.39
		10	0.35	10.69	-1.82	-1.81	10.68	0.24	-60.07	-147.06	-91.15	-115.98	41.69
76	76	118	0.71	22.30	1.96	5.30	18.96	7.54	199.93	-33.80	-13.81	179.94	65.37
		154	0.29	5.53	-4.71	1.39	-0.57	5.03	-2.37	-91.86	-37.27	-56.96	43.65
		155	0.34	-1.09	-7.41	-6.37	-2.12	-2.34	-23.96	-143.78	-119.87	-47.88	-47.89
		10	0.67	17.42	-2.46	-2.46	17.41	0.17	172.23	-70.65	-67.89	169.47	-25.78
76	77	118	0.94	-0.61	-18.47	-4.01	-15.08	-7.00	43.28	-370.57	22.25	-349.54	-90.89
		154	0.45	4.42	-4.69	-0.87	0.60	-4.50	170.79	-42.71	78.22	49.86	-
105.80													
		155	0.29	6.30	-0.10	4.53	1.68	2.87	101.25	-14.60	65.02	21.63	53.71
		10	0.85	1.39	-14.02	1.38	-14.01	0.36	-6.23	-371.45	-19.46	-358.22	68.23
76	78	118	0.31	-0.02	-9.82	-2.01	-7.83	-3.94	-5.84	-93.59	-21.74	-77.70	-33.80

		154	0.16	2.47	-2.47	-0.37	0.37	-2.44	33.65	-34.88	-26.12	24.88	-22.89
		155	0.11	3.58	-0.30	2.37	0.91	1.80	32.15	6.23	25.69	12.69	11.21
		10	0.25	0.74	-7.29	0.73	-7.28	0.29	3.82	-72.79	3.81	-72.78	0.77
76	79	118	0.36	14.08	1.40	3.40	12.08	4.63	30.57	-89.37	29.85	-88.65	9.27
		154	0.24	3.42	-2.87	0.91	-0.36	3.08	79.23	-45.02	66.03	-31.82	-38.29
		155	0.19	-0.89	-4.83	-4.33	-1.40	-1.32	-37.96	-82.49	-81.77	-38.67	-5.61
		10	0.35	11.03	-1.85	-1.84	11.03	0.23	-59.45	-144.90	-91.58	-112.77	41.39
76	80	118	0.70	21.86	1.93	5.20	18.59	7.38	196.44	-33.22	-13.47	176.69	64.38
		154	0.28	5.42	-4.61	1.37	-0.56	4.92	-2.75	-90.60	-36.24	-57.11	42.67
		155	0.33	-1.08	-7.27	-6.27	-2.08	-2.28	-24.10	-142.67	-118.63	-48.15	-47.67
		10	0.66	17.07	-2.43	-2.43	17.07	0.18	169.00	-70.20	-67.46	166.26	-25.47
76	81	118	0.93	-0.59	-18.03	-3.91	-14.71	-6.85	42.69	-367.07	21.92	-346.29	-89.90
		154	0.44	4.32	-4.57	-0.84	0.59	-4.39	169.30	-42.10	77.18	50.02	-
104.83													
		155	0.28	6.17	-0.11	4.42	1.64	2.81	100.28	-14.60	63.78	21.90	53.49
		10	0.84	1.36	-13.67	1.35	-13.66	0.35	-6.64	-368.26	-19.89	-355.01	67.93
76	82	118	0.33	-0.05	-10.26	-2.11	-8.20	-4.10	-5.39	-96.96	-21.40	-80.95	-34.79
		154	0.16	2.58	-2.58	-0.39	0.39	-2.55	34.32	-34.68	-25.08	24.72	-23.87
		155	0.11	3.72	-0.29	2.48	0.95	1.85	33.21	6.14	26.93	12.42	11.43
		10	0.26	0.77	-7.63	0.76	-7.62	0.30	4.25	-76.01	4.24	-75.99	1.07
76	83	118	0.36	14.02	1.38	3.38	12.03	4.61	27.50	-92.18	26.97	-91.65	7.93
		154	0.24	3.40	-2.86	0.90	-0.36	3.07	81.06	-45.22	67.61	-31.78	-38.95
		155	0.19	-0.90	-4.83	-4.33	-1.40	-1.31	-37.24	-80.94	-80.52	-37.66	-4.28
		10	0.35	10.99	-1.86	-1.85	10.98	0.23	-59.18	-147.57	-91.85	-114.90	42.67
76	84	118	0.72	22.69	1.97	5.37	19.29	7.67	199.70	-36.53	-17.02	180.19	65.02
		154	0.29	5.62	-4.82	1.39	-0.59	5.12	-1.66	-91.83	-36.72	-56.76	43.96
		155	0.34	-1.10	-7.54	-6.48	-2.16	-2.39	-23.81	-142.64	-119.85	-46.60	-46.78
		10	0.67	17.71	-2.50	-2.50	17.71	0.17	173.09	-71.13	-68.59	170.55	-24.80
76	85	118	0.95	-0.63	-18.86	-4.08	-15.40	-7.14	46.17	-370.49	25.46	-349.79	-90.54
		154	0.45	4.53	-4.78	-0.87	0.62	-4.59	170.71	-43.37	77.67	49.67	-
106.12													
		155	0.29	6.44	-0.09	4.63	1.72	2.92	99.82	-14.46	65.01	20.35	52.60
		10	0.86	1.43	-14.31	1.42	-14.31	0.36	-5.96	-372.10	-18.76	-359.30	67.25
76	86	118	0.32	-0.03	-10.20	-2.08	-8.15	-4.08	-3.50	-92.97	-18.53	-77.94	-33.45
		154	0.16	2.57	-2.56	-0.37	0.39	-2.54	33.62	-35.60	-26.67	24.69	-23.21
		155	0.11	3.71	-0.28	2.48	0.95	1.85	30.91	6.18	25.68	11.41	10.10
		10	0.26	0.78	-7.59	0.77	-7.58	0.30	4.51	-73.86	4.51	-73.86	-0.21
76	87	118	0.36	14.47	1.41	3.48	12.40	4.77	27.32	-89.10	26.64	-88.41	8.92
		154	0.24	3.51	-2.97	0.92	-0.38	3.17	79.55	-44.59	66.58	-31.62	-37.98
		155	0.19	-0.91	-4.96	-4.43	-1.44	-1.37	-36.94	-82.21	-81.76	-37.39	-4.50
		10	0.35	11.33	-1.88	-1.88	11.33	0.23	-58.52	-145.45	-92.28	-111.69	42.37
76	88	118	0.71	22.24	1.94	5.27	18.91	7.52	196.20	-35.94	-16.68	176.94	64.03
		154	0.28	5.51	-4.71	1.37	-0.58	5.01	-2.03	-90.58	-35.69	-56.92	42.98
		155	0.33	-1.09	-7.41	-6.38	-2.12	-2.33	-23.96	-141.52	-118.61	-46.87	-46.56
		10	0.66	17.37	-2.47	-2.47	17.37	0.17	169.86	-70.68	-68.16	167.33	-24.49
76	89	118	0.94	-0.60	-18.41	-3.98	-15.03	-6.99	45.58	-366.99	25.13	-346.54	-89.55
		154	0.45	4.42	-4.66	-0.85	0.61	-4.48	169.22	-42.76	76.64	49.83	-
105.14													
		155	0.28	6.30	-0.09	4.53	1.68	2.86	98.84	-14.45	63.77	20.62	52.38
		10	0.85	1.40	-13.97	1.39	-13.96	0.36	-6.37	-368.91	-19.19	-356.09	66.95
76	90	118	0.33	-0.06	-10.64	-2.18	-8.52	-4.24	-3.02	-96.37	-18.19	-81.19	-34.44
		154	0.17	2.68	-2.67	-0.40	0.41	-2.64	34.29	-35.39	-25.63	24.53	-24.18
		155	0.11	3.85	-0.27	2.58	0.99	1.90	32.02	6.04	26.92	11.14	10.32
		10	0.27	0.81	-7.93	0.80	-7.92	0.30	4.94	-77.07	4.94	-77.07	0.09
76	91	118	1.05	1.81e-03	-7.72	-1.58	-6.13	-3.12	93.33	-513.83	78.73	-499.22	-93.04
		154	0.60	2.03	-2.08	-0.31	0.26	-2.04	289.08	-70.56	192.69	25.82	-
159.29													
		155	0.23	2.46	-0.51	1.35	0.60	1.43	70.44	-61.45	16.30	-7.31	64.88
		10	1.00	0.08	-5.83	0.06	-5.81	0.36	-57.86	-569.12	-93.21	-533.78	
129.69													
76	92	118	1.11	21.18	1.95	5.07	18.05	7.09	426.07	-87.06	-67.90	406.92	97.27
		154	0.52	5.32	-4.48	1.35	-0.51	4.81	20.58	-233.14	-155.09	-57.46	
117.09													
		155	0.38	-1.00	-6.78	-5.83	-1.95	-2.14	10.10	-162.02	-114.81	-37.11	-76.79
		10	1.04	16.62	-2.09	-2.09	16.62	0.13	437.69	-35.64	-15.65	417.69	-95.20
76	93	118	1.35	-0.60	-17.35	-3.78	-14.17	-6.56	98.68	-598.85	76.35	-576.52	-
122.79													
		154	0.70	4.19	-4.48	-0.83	0.54	-4.28	316.69	-70.28	196.04	50.37	-
179.25													
		155	0.35	5.69	-0.20	3.98	1.51	2.67	121.60	-50.77	59.97	10.86	82.61
		10	1.25	1.02	-13.23	1.01	-13.22	0.40	-38.34	-639.81	-71.70	-606.45	
137.66													

76	94	118	0.81	11.55	1.34	2.88	10.02	3.65	340.72	-81.37	-70.28	329.62	67.52
		154	0.42	2.92	-2.32	0.83	-0.23	2.57	21.53	-206.19	-151.75	-32.91	97.13
		155	0.25	-0.71	-3.53	-3.20	-1.04	-0.90	19.53	-109.62	-71.14	-18.94	-59.06
		10	0.77	9.22	-1.14	-1.14	9.22	0.17	366.14	-15.26	5.86	345.02	-87.24
76	95	118	1.05	5.74e-03	-7.61	-1.56	-6.04	-3.08	92.43	-513.82	77.76	-499.15	-93.15
		154	0.60	2.00	-2.06	-0.30	0.25	-2.01	289.13	-70.39	192.86	25.88	-
159.20													
		155	0.23	2.42	-0.51	1.32	0.58	1.42	70.93	-61.55	16.30	-6.92	65.21
		10	0.99	0.07	-5.74	0.04	-5.72	0.36	-57.89	-568.98	-93.42	-533.45	
129.99													
76	96	118	1.11	21.29	1.95	5.09	18.15	7.13	426.07	-87.94	-68.87	406.99	97.17
		154	0.52	5.35	-4.51	1.36	-0.52	4.84	20.76	-233.09	-154.93	-57.40	
117.19													
		155	0.38	-1.01	-6.82	-5.86	-1.96	-2.16	10.08	-161.62	-114.80	-36.73	-76.46
		10	1.04	16.71	-2.11	-2.10	16.71	0.13	437.87	-35.71	-15.86	418.02	-94.91
76	97	118	1.35	-0.61	-17.46	-3.80	-14.27	-6.60	99.57	-598.85	77.31	-576.59	-
122.69													
		154	0.70	4.22	-4.51	-0.83	0.55	-4.31	316.64	-70.46	195.87	50.31	-
179.35													
		155	0.35	5.73	-0.20	4.01	1.52	2.69	121.14	-50.70	59.96	10.48	82.28
		10	1.25	1.04	-13.32	1.03	-13.31	0.40	-38.30	-639.97	-71.49	-606.78	
137.36													
76	98	118	0.81	11.44	1.34	2.85	9.92	3.61	340.70	-80.47	-69.32	329.55	67.63
		154	0.41	2.90	-2.29	0.83	-0.22	2.54	21.37	-206.25	-151.91	-32.97	97.04
		155	0.25	-0.71	-3.49	-3.17	-1.03	-0.89	19.57	-110.04	-71.14	-19.33	-59.40
		10	0.77	9.13	-1.13	-1.12	9.13	0.17	365.98	-15.22	6.07	344.69	-87.53
76	99	118	1.01	0.10	-6.25	-1.25	-4.90	-2.60	91.50	-502.29	77.61	-488.40	-89.73
		154	0.58	1.68	-1.71	-0.23	0.21	-1.68	283.80	-68.21	189.25	26.34	-
156.03													
		155	0.22	2.01	-0.55	1.00	0.46	1.25	67.69	-61.94	12.17	-6.42	64.14
		10	0.96	-0.01	-4.68	-0.04	-4.66	0.34	-58.96	-558.76	-94.64	-523.08	
128.68													
76	100	118	1.06	19.70	1.85	4.74	16.82	6.57	414.44	-85.13	-66.79	396.09	93.96
		154	0.50	4.95	-4.13	1.28	-0.46	4.45	18.27	-227.90	-151.65	-57.98	
113.83													
		155	0.37	-0.97	-6.33	-5.48	-1.82	-1.96	9.95	-158.63	-110.68	-38.00	-76.06
		10	1.00	15.47	-2.00	-2.00	15.47	0.15	427.10	-34.32	-14.21	406.99	-94.19
76	101	118	1.30	-0.51	-15.87	-3.45	-12.94	-6.04	96.78	-587.24	75.23	-565.69	-
119.48													
		154	0.68	3.84	-4.10	-0.76	0.49	-3.92	311.46	-67.97	192.59	50.89	-
175.99													
		155	0.34	5.24	-0.24	3.63	1.37	2.49	118.58	-51.00	55.83	11.75	81.87
		10	1.21	0.93	-12.08	0.92	-12.06	0.38	-39.56	-629.32	-73.13	-595.75	
136.65													
76	102	118	0.77	10.08	1.25	2.55	8.78	3.13	329.15	-79.52	-69.17	318.80	64.21
		154	0.40	2.55	-1.97	0.75	-0.18	2.21	19.18	-200.91	-148.30	-33.43	93.87
		155	0.24	-0.67	-3.09	-2.85	-0.91	-0.72	19.50	-106.33	-67.01	-19.83	-58.33
		10	0.74	8.07	-1.04	-1.04	8.06	0.19	355.66	-14.05	7.29	334.32	-86.23
76	103	118	1.01	0.10	-6.13	-1.23	-4.80	-2.56	90.59	-502.27	76.65	-488.33	-89.84
		154	0.58	1.65	-1.68	-0.23	0.20	-1.65	283.85	-68.04	189.41	26.40	-
155.93													
		155	0.23	1.98	-0.55	0.97	0.45	1.24	68.18	-62.05	12.17	-6.04	64.48
		10	0.96	-0.02	-4.59	-0.05	-4.57	0.34	-58.98	-558.62	-94.85	-522.75	
128.98													
76	104	118	1.06	19.82	1.86	4.76	16.91	6.61	414.44	-86.02	-67.75	396.17	93.86
		154	0.50	4.97	-4.16	1.28	-0.47	4.48	18.45	-227.86	-151.48	-57.92	
113.92													
		155	0.37	-0.97	-6.37	-5.51	-1.83	-1.98	9.93	-158.22	-110.67	-37.62	-75.72
		10	1.00	15.56	-2.01	-2.01	15.56	0.15	427.28	-34.39	-14.42	407.32	-93.90
76	105	118	1.30	-0.51	-15.99	-3.47	-13.03	-6.08	97.68	-587.25	76.20	-565.77	-
119.38													
		154	0.68	3.87	-4.13	-0.76	0.50	-3.95	311.41	-68.15	192.43	50.83	-
176.08													
		155	0.34	5.28	-0.23	3.66	1.39	2.51	118.11	-50.92	55.83	11.37	81.54
		10	1.22	0.94	-12.17	0.93	-12.15	0.38	-39.51	-629.48	-72.92	-596.07	
136.35													
76	106	118	0.77	9.96	1.24	2.52	8.68	3.09	329.14	-78.62	-68.20	318.73	64.32
		154	0.40	2.52	-1.94	0.75	-0.17	2.18	19.01	-200.97	-148.47	-33.49	93.77
		155	0.24	-0.66	-3.05	-2.82	-0.90	-0.71	19.54	-106.77	-67.01	-20.21	-58.66
		10	0.73	7.98	-1.03	-1.03	7.97	0.19	355.50	-14.01	7.50	333.99	-86.52
77	1	10	0.08	0.90	-0.07	-0.05	0.88	-0.13	-13.54	-46.64	-13.96	-46.21	3.73
		155	0.03	-0.06	-0.34	-0.26	-0.15	-0.13	-0.77	-14.94	-6.55	-9.16	6.96

		156	0.06	0.13	-0.16	0.06	-0.09	-0.13	16.92	-24.05	0.60	-7.73	20.06
		135	0.10	0.96	0.24	0.27	0.94	-0.13	-0.43	-51.16	-6.81	-44.78	16.82
77	2	10	0.27	7.07	-0.77	-0.64	6.94	-1.01	-81.20	-112.72	-81.27	-112.64	1.49
		155	0.15	-0.58	-2.87	-2.27	-1.19	-1.01	-19.95	-93.64	-67.88	-45.71	35.14
		156	0.20	1.10	-1.21	0.52	-0.63	-1.01	49.47	-73.88	6.43	-30.84	58.79
		135	0.29	7.68	1.96	2.14	7.50	-1.01	-0.46	-104.28	-6.96	-97.78	25.14
77	3	10	0.06	0.57	-0.04	-0.03	0.56	-0.08	-9.13	-34.63	-9.47	-34.30	2.91
		155	0.02	-0.04	-0.22	-0.16	-0.10	-0.08	-0.14	-10.10	-3.88	-6.36	4.82
		156	0.05	0.08	-0.11	0.04	-0.06	-0.08	12.40	-17.57	0.35	-5.51	14.70
		135	0.07	0.61	0.15	0.17	0.60	-0.08	-0.31	-38.38	-5.24	-33.45	12.78
77	4	10	0.24	6.75	-0.74	-0.62	6.62	-0.96	-76.76	-100.74	-76.78	-100.73	0.67
		155	0.14	-0.56	-2.74	-2.17	-1.13	-0.96	-19.22	-88.89	-65.21	-42.90	33.00
		156	0.19	1.05	-1.16	0.49	-0.60	-0.96	44.98	-67.41	6.18	-28.62	53.43
		135	0.26	7.33	1.87	2.04	7.16	-0.96	-0.22	-91.61	-5.38	-86.45	21.10
77	5	10	0.06	0.64	-0.05	-0.03	0.63	-0.09	-9.86	-35.34	-10.19	-35.00	2.88
		155	0.02	-0.05	-0.24	-0.18	-0.11	-0.09	-0.40	-10.89	-4.54	-6.75	5.13
		156	0.05	0.09	-0.12	0.04	-0.06	-0.09	12.75	-18.09	0.41	-5.76	15.11
		135	0.07	0.69	0.17	0.19	0.67	-0.09	-0.32	-38.93	-5.24	-34.01	12.87
77	6	10	0.18	4.76	-0.52	-0.43	4.67	-0.68	-54.98	-79.37	-55.06	-79.29	1.39
		155	0.10	-0.39	-1.93	-1.52	-0.80	-0.68	-13.31	-63.22	-45.42	-31.11	23.91
		156	0.14	0.74	-0.82	0.35	-0.42	-0.68	34.44	-51.30	4.30	-21.17	40.93
		135	0.20	5.16	1.32	1.44	5.04	-0.68	-0.41	-74.27	-5.33	-69.35	18.42
77	7	10	0.06	0.64	-0.05	-0.03	0.63	-0.09	-9.86	-35.34	-10.19	-35.00	2.88
		155	0.02	-0.05	-0.24	-0.18	-0.11	-0.09	-0.40	-10.89	-4.54	-6.75	5.13
		156	0.05	0.09	-0.12	0.04	-0.06	-0.09	12.75	-18.09	0.41	-5.76	15.11
		135	0.07	0.69	0.17	0.19	0.67	-0.09	-0.32	-38.93	-5.24	-34.01	12.87
77	8	10	0.15	3.52	-0.38	-0.31	3.46	-0.50	-41.46	-66.14	-41.60	-66.01	1.84
		155	0.08	-0.29	-1.42	-1.12	-0.59	-0.50	-9.62	-47.34	-33.16	-23.80	18.27
		156	0.11	0.55	-0.61	0.26	-0.32	-0.50	27.91	-41.32	3.14	-16.54	33.19
		135	0.16	3.82	0.97	1.06	3.73	-0.50	-0.49	-63.56	-5.31	-58.75	16.75
77	9	10	0.06	0.64	-0.05	-0.03	0.63	-0.09	-9.86	-35.34	-10.19	-35.00	2.88
		155	0.02	-0.05	-0.24	-0.18	-0.11	-0.09	-0.40	-10.89	-4.54	-6.75	5.13
		156	0.05	0.09	-0.12	0.04	-0.06	-0.09	12.75	-18.09	0.41	-5.76	15.11
		135	0.07	0.69	0.17	0.19	0.67	-0.09	-0.32	-38.93	-5.24	-34.01	12.87
77	10	10	0.14	3.11	-0.33	-0.27	3.05	-0.44	-36.95	-61.74	-37.11	-61.58	1.99
		155	0.07	-0.25	-1.25	-0.98	-0.52	-0.44	-8.38	-42.06	-29.07	-21.37	16.40
		156	0.10	0.48	-0.54	0.22	-0.28	-0.44	25.74	-37.99	2.75	-15.00	30.60
		135	0.15	3.37	0.86	0.94	3.29	-0.44	-0.50	-60.01	-5.30	-55.21	16.20
77	11	10	0.68	12.72	-3.10	-3.03	12.66	-1.00	-109.77	-314.51	-110.45	-313.83	-11.77
		155	0.24	-1.85	-6.59	-6.05	-2.39	1.51	3.99	-88.87	-87.97	3.09	9.09
		156	0.37	2.54	-2.85	0.73	-1.03	-2.54	136.75	-60.65	32.34	43.76	98.53
		135	0.78	16.08	1.67	3.74	14.01	-5.06	-45.43	-337.36	-79.23	-303.56	93.40
77	12	10	0.66	19.76	-4.76	-4.69	19.69	-1.33	-60.48	-291.61	-152.44	-199.64	-
113.13													
		155	0.40	-2.38	-10.55	-9.35	-3.57	2.89	82.31	-135.15	-125.76	72.91	-44.21
		156	0.25	4.15	-4.40	1.21	-1.46	-4.06	120.30	63.85	68.63	115.52	15.71
		135	0.60	25.33	2.34	5.87	21.80	-8.29	-4.31	-142.24	-4.37	-142.18	-3.01
77	13	10	0.46	4.16	-13.60	4.15	-13.59	0.44	194.47	-39.76	78.22	76.49	
117.11													
		155	0.40	9.45	0.47	7.38	2.53	-3.78	95.68	-143.70	67.62	-115.65	77.00
		156	0.30	3.36	-3.21	-0.76	0.90	3.18	-42.96	-165.71	-63.14	-145.53	45.50
		135	0.36	-0.31	-18.89	-3.99	-15.21	7.40	52.94	-27.41	-6.22	31.75	35.41
77	14	10	0.42	2.49	-6.56	2.49	-6.56	0.12	192.27	34.64	36.23	190.68	15.75
		155	0.16	5.47	-0.04	4.08	1.35	-2.39	36.64	-52.63	29.83	-45.82	23.70
		156	0.19	1.80	-1.60	-0.28	0.48	1.66	-6.22	-94.39	-26.84	-73.77	-37.32
		135	0.49	0.37	-9.66	-1.86	-7.43	4.17	218.04	43.73	68.64	193.14	-61.00
77	15	10	0.68	13.06	-3.18	-3.12	12.99	-1.02	-111.13	-311.24	-111.97	-310.40	-12.92
		155	0.25	-1.87	-6.78	-6.21	-2.44	1.58	4.71	-89.76	-89.02	3.97	8.33
		156	0.36	2.61	-2.91	0.75	-1.05	-2.61	135.76	-58.58	32.74	44.45	96.99
		135	0.78	16.52	1.70	3.84	14.38	-5.21	-45.66	-332.24	-78.18	-299.72	90.90
77	16	10	0.66	19.43	-4.68	-4.60	19.36	-1.31	-62.02	-291.97	-150.92	-203.07	-
111.98													
		155	0.40	-2.36	-10.36	-9.19	-3.52	2.82	81.20	-133.88	-124.71	72.03	-43.45
		156	0.25	4.07	-4.34	1.18	-1.45	-3.99	120.53	62.54	68.23	114.84	17.25
		135	0.60	24.88	2.30	5.76	21.43	-8.13	-5.41	-146.02	-5.42	-146.02	-0.51
77	17	10	0.46	4.07	-13.26	4.06	-13.25	0.43	194.28	-37.66	76.70	79.92	
115.96													
		155	0.40	9.25	0.45	7.22	2.48	-3.71	94.37	-142.56	66.58	-114.76	76.24
		156	0.29	3.29	-3.14	-0.73	0.89	3.11	-43.64	-163.94	-62.73	-144.85	43.96
		135	0.35	-0.28	-18.45	-3.88	-14.84	7.25	53.92	-23.50	-5.17	35.60	32.91
77	18	10	0.42	2.58	-6.89	2.58	-6.89	0.14	189.14	35.86	37.75	187.25	16.90
		155	0.17	5.66	-0.02	4.24	1.40	-2.46	37.95	-53.77	30.88	-46.70	24.47

		156	0.19	1.87	-1.68	-0.30	0.49	1.73	-7.98	-93.72	-27.25	-74.45-35.79
		135	0.49	0.33	-10.10	-1.96	-7.80	4.32	212.85	44.03	67.59	189.29-58.50
77	19	10	0.67	13.10	-3.18	-3.11	13.04	-1.02	-107.85	-305.62	-108.20	-305.27 -8.32
		155	0.25	-1.87	-6.79	-6.21	-2.45	1.58	0.02	-94.12	-92.43	-1.67 12.50
		156	0.35	2.62	-2.93	0.75	-1.06	-2.63	129.28	-56.25	32.07	40.96 92.66
		135	0.78	16.58	1.71	3.85	14.43	-5.23	-46.39	-327.95	-81.25	-293.09 92.74
77	20	10	0.65	20.14	-4.84	-4.76	20.07	-1.34	-59.07	-282.20	-150.20	-191.08 -
109.68												
		155	0.41	-2.40	-10.75	-9.52	-3.64	2.97	76.22	-138.29	-130.22	68.16-40.80
		156	0.24	4.24	-4.49	1.23	-1.49	-4.15	114.80	66.28	68.37	112.72 9.84
		135	0.59	25.82	2.38	5.98	22.22	-8.46	-6.29	-131.81	-6.40	-131.71 -3.67
77	21	10	0.45	4.23	-13.98	4.22	-13.97	0.46	185.68	-41.78	75.97	67.92
113.66												
		155	0.39	9.65	0.49	7.55	2.59	-3.85	98.01	-136.82	72.09	-110.89 73.60
		156	0.31	3.44	-3.30	-0.78	0.93	3.26	-37.74	-167.86	-62.87	-142.73 51.37
		135	0.38	-0.35	-19.38	-4.10	-15.63	7.57	46.80	-29.71	-4.19	21.28 36.07
77	22	10	0.41	2.57	-6.94	2.57	-6.94	0.13	183.13	32.97	33.98	182.11 12.30
		155	0.16	5.67	-0.02	4.24	1.41	-2.47	39.41	-46.18	34.30	-41.06 20.29
		156	0.18	1.89	-1.69	-0.30	0.50	1.74	-10.28	-87.27	-26.58	-70.97-31.45
		135	0.49	0.33	-10.15	-1.98	-7.85	4.34	208.99	44.34	70.66	182.66-60.34
77	23	10	0.67	13.44	-3.26	-3.19	13.37	-1.03	-109.26	-302.30	-109.73	-301.83 -9.47
		155	0.26	-1.90	-6.98	-6.37	-2.51	1.65	0.67	-94.94	-93.48	-0.79 11.73
		156	0.35	2.70	-3.00	0.78	-1.08	-2.70	128.30	-54.17	32.48	41.64 91.12
		135	0.77	17.02	1.74	3.96	14.80	-5.38	-46.65	-322.81	-80.21	-289.25 90.24
77	24	10	0.65	19.81	-4.75	-4.68	19.74	-1.33	-60.66	-282.51	-148.67	-194.51 -
108.53												
		155	0.40	-2.38	-10.56	-9.36	-3.58	2.90	75.12	-137.02	-129.18	67.27-40.04
		156	0.24	4.16	-4.42	1.21	-1.47	-4.08	114.80	65.20	67.96	112.04 11.38
		135	0.59	25.38	2.34	5.88	21.85	-8.30	-7.43	-135.56	-7.44	-135.55 -1.17
77	25	10	0.45	4.15	-13.65	4.14	-13.63	0.44	185.42	-39.62	74.45	71.35
112.51												
		155	0.39	9.46	0.47	7.39	2.54	-3.78	96.70	-135.67	71.04	-110.01 72.83
		156	0.30	3.38	-3.22	-0.76	0.91	3.19	-38.49	-166.03	-62.47	-142.04 49.83
		135	0.36	-0.32	-18.94	-4.00	-15.26	7.42	47.41	-25.44	-3.15	25.12 33.57
77	26	10	0.41	2.66	-7.27	2.65	-7.27	0.15	179.93	34.25	35.51	178.68 13.45
		155	0.16	5.87	9.09e-05	4.40	1.46	-2.54	40.71	-47.31	35.34	-41.94 21.06
		156	0.18	1.95	-1.76	-0.33	0.52	1.81	-11.99	-86.65	-26.98	-71.65-29.91
		135	0.48	0.29	-10.59	-2.08	-8.22	4.49	203.76	44.68	69.62	178.82-57.84
77	27	10	0.75	1.41	-4.74	1.41	-4.73	-0.12	65.67	-371.54	4.58	-310.44
151.59												
		155	0.39	3.76	-0.54	2.50	0.71	-1.95	60.61	-169.97	10.58	-119.94 95.05
		156	0.57	1.15	-1.36	-0.36	0.14	1.23	104.55	-254.18	-43.42	-106.21
176.59												
		135	0.88	0.25	-7.00	-1.44	-5.30	3.07	-38.50	-477.00	-141.01	-374.49
185.58												
77	28	10	0.85	18.77	-4.16	-4.10	18.71	-1.20	180.15	-245.36	-135.40	70.19 -
186.27												
		155	0.45	-2.13	-9.61	-8.50	-3.23	2.65	139.60	-142.17	-115.39	112.82-82.63
		156	0.44	4.02	-4.05	1.25	-1.28	-3.83	208.53	2.01	77.55	132.99-99.47
		135	0.81	23.90	2.40	5.64	20.65	-7.69	274.53	-2.55	108.51	163.47 -
135.79												
77	29	10	0.84	3.57	-12.61	3.56	-12.61	0.32	162.81	-294.97	61.18	-193.34
190.25												
		155	0.52	8.52	0.21	6.53	2.19	-3.54	107.83	-206.13	57.25	-155.56
115.42												
		156	0.59	3.01	-3.08	-0.80	0.72	2.95	49.46	-284.52	-72.06	-162.99
160.68												
		135	0.91	-0.38	-17.45	-3.76	-14.07	6.81	-11.36	-381.64	-119.10	-273.89
168.19												
77	30	10	0.74	10.88	-1.99	-1.95	10.84	-0.77	252.96	-144.47	-78.80	187.29 -
147.61												
		155	0.29	-1.39	-4.84	-4.47	-1.76	1.07	100.15	-91.66	-68.71	77.20-62.26
		156	0.41	2.30	-2.20	0.80	-0.70	-2.12	178.74	-53.63	48.91	76.20 -
115.38												
		135	0.79	13.43	1.77	3.32	11.89	-3.96	364.37	30.11	130.42	264.06 -
153.19												
77	31	10	0.75	1.39	-4.62	1.38	-4.62	-0.12	67.33	-369.95	5.25	-307.87
152.62												
		155	0.39	3.70	-0.55	2.46	0.69	-1.93	60.10	-172.22	9.24	-121.36 96.07
		156	0.56	1.12	-1.34	-0.35	0.14	1.21	102.42	-252.97	-43.50	-107.05
174.83												
		135	0.88	0.27	-6.85	-1.41	-5.17	3.02	-38.39	-474.57	-141.61	-371.35

185.39													
77	32	10	0.85	18.89	-4.19	-4.12	18.82	-1.21	181.33	-243.29	-134.72	72.76	-
185.24													
		155	0.45	-2.14	-9.67	-8.55	-3.25	2.68	137.58	-142.92	-116.73	111.40	-81.61
		156	0.44	4.05	-4.08	1.26	-1.29	-3.86	209.67	-0.05	77.48	132.15	-
101.24													
		135	0.82	24.04	2.41	5.68	20.78	-7.74	276.38	-1.86	107.90	166.61	-
135.99													
77	33	10	0.84	3.59	-12.73	3.58	-12.72	0.32	160.86	-296.27	60.50	-195.91	
189.22													
		155	0.52	8.58	0.22	6.58	2.21	-3.56	108.43	-203.97	58.59	-154.13	
114.40													
		156	0.60	3.03	-3.11	-0.81	0.73	2.97	51.52	-285.65	-71.98	-162.15	
162.45													
		135	0.92	-0.39	-17.60	-3.80	-14.19	6.86	-11.65	-383.88	-118.50	-277.04	
168.39													
77	34	10	0.74	10.77	-1.97	-1.92	10.72	-0.76	251.48	-146.23	-79.47	184.72	-
148.64													
		155	0.30	-1.38	-4.78	-4.42	-1.74	1.05	102.24	-90.98	-67.37	78.63	-63.28
		156	0.40	2.27	-2.17	0.80	-0.69	-2.09	177.50	-51.47	48.99	77.04	-
113.62													
		135	0.78	13.29	1.76	3.29	11.76	-3.91	362.18	29.77	131.02	260.92	-
152.99													
77	35	10	0.71	1.14	-3.62	1.13	-3.62	-0.17	60.27	-359.77	-0.50	-299.00	
147.76													
		155	0.37	3.13	-0.61	1.98	0.54	-1.73	56.42	-166.33	7.09	-116.99	92.49
		156	0.54	0.93	-1.11	-0.27	0.09	1.00	101.23	-247.24	-42.08	-103.93	
171.47													
		135	0.83	0.38	-5.54	-1.10	-4.06	2.56	-39.89	-459.30	-137.52	-361.67	
177.25													
77	36	10	0.81	17.66	-3.89	-3.83	17.59	-1.15	169.70	-241.27	-130.32	58.75	-
182.44													
		155	0.43	-2.06	-8.97	-7.97	-3.06	2.43	135.77	-137.79	-111.90	109.88	-80.08
		156	0.42	3.77	-3.83	1.16	-1.23	-3.60	201.67	5.26	76.21	130.71	-94.35
		135	0.76	22.43	2.29	5.30	19.41	-7.18	257.32	-1.64	105.03	150.65	-
127.45													
77	37	10	0.80	3.29	-11.50	3.29	-11.49	0.26	158.26	-284.07	56.10	-181.91	
186.42													
		155	0.51	7.88	0.14	6.01	2.01	-3.31	103.50	-202.35	53.77	-152.61	
112.87													
		156	0.57	2.78	-2.83	-0.72	0.67	2.72	46.21	-277.66	-70.72	-160.72	
155.56													
		135	0.86	-0.26	-15.98	-3.42	-12.83	6.30	-12.73	-363.97	-115.62	-261.08	
159.85													
77	38	10	0.70	9.76	-1.72	-1.67	9.72	-0.71	241.44	-139.31	-73.72	175.85	-
143.78													
		155	0.28	-1.31	-4.21	-3.95	-1.58	0.84	96.32	-87.29	-65.22	74.26	-59.70
		156	0.39	2.04	-1.97	0.72	-0.65	-1.89	171.79	-50.29	47.57	73.93	-
110.26													
		135	0.73	11.97	1.66	2.98	10.65	-3.45	346.71	31.46	126.93	251.24	-
144.85													
77	39	10	0.70	1.12	-3.51	1.11	-3.50	-0.18	61.95	-358.21	0.17	-296.43	
148.79													
		155	0.37	3.07	-0.62	1.93	0.52	-1.70	55.91	-168.58	5.75	-118.42	93.52
		156	0.54	0.90	-1.08	-0.26	0.08	0.98	99.10	-246.03	-42.16	-104.77	
169.71													
		135	0.82	0.39	-5.39	-1.07	-3.94	2.51	-39.79	-456.87	-138.13	-358.53	
177.05													
77	40	10	0.81	17.77	-3.91	-3.85	17.71	-1.15	170.84	-239.16	-129.65	61.32	-
181.41													
		155	0.43	-2.07	-9.03	-8.02	-3.07	2.45	133.75	-138.54	-113.24	108.45	-79.05
		156	0.42	3.79	-3.85	1.17	-1.23	-3.63	202.80	3.21	76.14	129.87	-96.11
		135	0.77	22.57	2.30	5.33	19.54	-7.23	259.12	-0.91	104.42	153.79	-
127.65													
77	41	10	0.80	3.32	-11.61	3.31	-11.61	0.27	156.28	-285.34	55.43	-184.48	
185.39													
		155	0.50	7.94	0.15	6.06	2.03	-3.33	104.10	-200.19	55.10	-151.19	
111.85													
		156	0.58	2.81	-2.85	-0.72	0.67	2.74	48.26	-278.79	-70.64	-159.88	
157.32													
		135	0.86	-0.28	-16.13	-3.45	-12.96	6.35	-13.03	-366.20	-115.01	-264.22	
160.05													

77	42	10	0.70	9.65	-1.70	-1.65	9.61	-0.71	239.99	-141.10	-74.39	173.28	-144.81
		155	0.28	-1.30	-4.15	-3.90	-1.56	0.82	98.41	-86.61	-63.89	75.69	-60.72
		156	0.38	2.02	-1.94	0.71	-0.64	-1.86	170.55	-48.13	47.65	74.77	-108.50
		135	0.73	11.82	1.65	2.94	10.52	-3.39	344.53	31.11	127.54	248.10	-144.65
77	43	10	0.56	10.70	-2.52	-2.46	10.64	-0.89	-94.55	-260.65	-95.06	-260.14	-9.16
		155	0.20	-1.64	-5.36	-4.99	-2.00	1.10	-0.66	-77.27	-75.73	-2.20	10.75
		156	0.31	2.10	-2.36	0.62	-0.88	-2.10	112.05	-55.98	25.39	30.68	83.98
		135	0.65	13.40	1.52	3.15	11.76	-4.09	-35.96	-277.82	-63.66	-250.12	77.02
77	44	10	0.54	16.26	-3.83	-3.76	16.20	-1.14	-57.11	-239.72	-127.54	-169.29	-88.89
		155	0.33	-2.07	-8.47	-7.60	-2.94	2.19	58.24	-111.99	-106.18	52.44	-30.90
		156	0.21	3.37	-3.59	1.00	-1.22	-3.30	96.58	46.21	54.93	87.86	19.06
		135	0.50	20.69	2.05	4.83	17.91	-6.64	-4.17	-122.91	-4.17	-122.91	0.39
77	45	10	0.35	3.23	-10.10	3.22	-10.09	0.26	142.66	-43.21	53.32	46.13	92.87
		155	0.33	7.36	0.16	5.63	1.89	-3.08	72.27	-119.40	48.04	-95.17	63.69
		156	0.25	2.54	-2.44	-0.55	0.66	2.42	-29.36	-137.94	-49.44	-117.86	42.15
		135	0.30	-0.02	-14.26	-2.95	-11.33	5.75	36.40	-30.34	-6.42	12.48	32.00
77	46	10	0.30	1.92	-4.54	1.92	-4.54	2.15e-03	138.46	19.37	20.84	136.99	13.14
		155	0.14	4.23	-0.25	3.02	0.96	-1.99	25.01	-47.95	17.59	-40.53	22.04
		156	0.14	1.31	-1.17	-0.17	0.32	1.22	-9.72	-70.86	-19.89	-60.69	-22.77
		135	0.36	0.53	-6.98	-1.27	-5.18	3.20	158.57	34.19	53.07	139.69	-44.62
77	47	10	0.56	10.97	-2.59	-2.53	10.91	-0.90	-95.54	-257.98	-96.16	-257.36	-9.99
		155	0.21	-1.66	-5.51	-5.12	-2.04	1.16	-0.23	-77.99	-76.62	-1.59	10.22
		156	0.31	2.16	-2.41	0.64	-0.89	-2.16	111.43	-54.36	25.81	31.26	82.85
		135	0.65	13.75	1.55	3.23	12.06	-4.21	-36.15	-273.81	-62.81	-247.15	75.01
77	48	10	0.54	15.99	-3.76	-3.70	15.93	-1.13	-58.29	-240.22	-126.44	-172.07	-88.06
		155	0.32	-2.05	-8.32	-7.47	-2.89	2.14	57.50	-110.95	-105.29	51.83	-30.37
		156	0.21	3.31	-3.54	0.98	-1.20	-3.25	96.89	44.90	54.52	87.28	20.18
		135	0.51	20.34	2.02	4.75	17.62	-6.52	-4.97	-125.93	-5.02	-125.88	2.41
77	49	10	0.35	3.16	-9.83	3.16	-9.83	0.25	142.62	-41.48	52.22	48.91	92.04
		155	0.33	7.21	0.14	5.50	1.85	-3.02	71.21	-118.63	47.15	-94.57	63.16
		156	0.25	2.49	-2.38	-0.53	0.64	2.36	-29.78	-136.52	-49.02	-117.28	41.03
		135	0.29	5.77e-03	-13.90	-2.87	-11.03	5.63	36.72	-26.83	-5.57	15.46	29.99
77	50	10	0.30	1.99	-4.81	1.99	-4.81	0.01	135.92	20.23	21.94	134.21	13.97
		155	0.15	4.38	-0.23	3.15	1.00	-2.04	26.07	-48.72	18.49	-41.14	22.57
		156	0.14	1.37	-1.23	-0.19	0.33	1.27	-11.00	-70.59	-20.31	-61.27	-21.64
		135	0.36	0.50	-7.33	-1.35	-5.48	3.33	154.48	34.47	52.22	136.72	-42.61
77	51	10	0.56	11.00	-2.58	-2.52	10.94	-0.90	-92.81	-253.20	-93.07	-252.94	-6.46
		155	0.21	-1.66	-5.51	-5.12	-2.05	1.16	-3.71	-81.83	-79.38	-6.16	13.62
		156	0.30	2.17	-2.43	0.64	-0.90	-2.17	106.00	-52.62	25.08	28.30	79.29
		135	0.64	13.79	1.55	3.24	12.10	-4.22	-36.69	-269.84	-65.17	-241.36	76.35
77	52	10	0.53	16.56	-3.89	-3.83	16.50	-1.16	-55.72	-231.92	-125.56	-162.08	-86.19
		155	0.33	-2.09	-8.63	-7.73	-2.98	2.25	53.29	-114.65	-109.83	48.48	-28.03
		156	0.20	3.44	-3.66	1.02	-1.24	-3.37	91.13	48.97	54.63	85.47	14.37
		135	0.50	21.08	2.08	4.92	18.25	-6.77	-5.69	-114.15	-5.69	-114.15	-0.28
77	53	10	0.34	3.29	-10.40	3.29	-10.40	0.27	135.52	-45.25	51.34	38.93	90.17
		155	0.32	7.52	0.18	5.76	1.94	-3.14	74.07	-113.59	51.70	-91.21	60.82
		156	0.26	2.61	-2.51	-0.57	0.68	2.48	-24.91	-139.70	-49.14	-115.48	46.84
		135	0.31	-0.05	-14.65	-3.04	-11.66	5.89	32.37	-33.55	-4.90	3.73	32.68
77	54	10	0.30	1.98	-4.84	1.98	-4.84	0.01	130.76	17.88	18.85	129.78	10.44
		155	0.13	4.39	-0.23	3.15	1.01	-2.05	27.03	-42.35	21.24	-36.57	19.17
		156	0.13	1.38	-1.23	-0.19	0.34	1.28	-12.46	-65.44	-19.59	-58.30	-18.08
		135	0.35	0.49	-7.37	-1.36	-5.51	3.34	150.97	34.54	54.58	130.93	-43.95
77	55	10	0.56	11.27	-2.65	-2.59	11.21	-0.91	-93.83	-250.50	-94.17	-250.16	-7.29
		155	0.22	-1.68	-5.66	-5.25	-2.09	1.21	-3.33	-82.50	-80.27	-5.55	13.09
		156	0.29	2.23	-2.48	0.66	-0.91	-2.22	105.37	-51.00	25.50	28.88	78.17
		135	0.64	14.14	1.58	3.32	12.39	-4.35	-36.90	-265.81	-64.33	-238.39	74.33
77	56	10	0.53	16.29	-3.83	-3.76	16.23	-1.14	-56.94	-232.38	-124.46	-164.86	-85.36
		155	0.33	-2.07	-8.48	-7.60	-2.94	2.20	52.56	-113.62	-108.94	47.87	-27.50
		156	0.20	3.38	-3.61	1.00	-1.22	-3.31	91.36	47.75	54.21	84.89	15.50
		135	0.50	20.73	2.05	4.84	17.95	-6.65	-6.51	-117.15	-6.54	-117.13	1.74
77	57	10	0.34	3.22	-10.13	3.22	-10.13	0.26	135.41	-43.47	50.24	41.71	89.34
		155	0.32	7.37	0.16	5.63	1.90	-3.08	73.02	-112.82	50.80	-90.61	60.29
		156	0.26	2.56	-2.45	-0.55	0.66	2.43	-25.38	-138.24	-48.72	-114.90	45.71
		135	0.30	-0.03	-14.30	-2.96	-11.36	5.77	32.45	-29.81	-4.06	6.70	30.66
77	58	10	0.30	2.05	-5.11	2.05	-5.11	0.03	128.18	18.78	19.95	127.00	11.27
		155	0.14	4.54	-0.21	3.28	1.05	-2.10	28.09	-43.13	22.14	-37.18	19.70
		156	0.13	1.44	-1.30	-0.21	0.35	1.34	-13.65	-65.24	-20.01	-58.88	-16.96
		135	0.35	0.46	-7.72	-1.45	-5.81	3.46	146.85	34.85	53.74	127.96	-41.93
77	59	10	0.59	1.06	-3.10	1.05	-3.10	-0.19	42.25	-306.41	-5.22	-258.94	

119.57													
		155	0.32	2.87	-0.65	1.76	0.45	-1.63	45.29	-140.65	3.12	-98.48	77.86
		156	0.46	0.80	-0.98	-0.23	0.05	0.88	85.82	-209.10	-35.27	-88.01	
145.08													
		135	0.71	0.44	-4.87	-0.94	-3.49	2.33	-30.74	-388.90	-113.03	-306.62	
150.66													
77	60	10	0.67	15.48	-3.35	-3.29	15.42	-1.04	131.24	-200.84	-113.51	43.91	-
146.20													
		155	0.36	-1.87	-7.71	-6.92	-2.66	2.00	102.16	-116.91	-98.39	83.64	-60.95
		156	0.33	3.28	-3.32	1.03	-1.07	-3.12	156.88	8.90	63.22	102.57	-71.32
		135	0.64	19.56	2.10	4.65	17.01	-6.17	207.32	-4.65	85.26	117.41	-
104.76													
77	61	10	0.66	2.76	-9.32	2.75	-9.32	0.16	118.32	-246.09	39.29	-167.06	
150.18													
		155	0.42	6.62	-0.05	4.95	1.62	-2.89	82.35	-168.47	40.25	-126.37	93.74
		156	0.48	2.27	-2.34	-0.58	0.51	2.24	42.57	-232.86	-57.72	-132.57	
132.53													
		135	0.73	-0.08	-13.12	-2.77	-10.42	5.28	-9.64	-314.05	-95.85	-227.84	
137.16													
77	62	10	0.59	9.24	-1.63	-1.59	9.20	-0.70	187.82	-121.03	-69.00	135.79	-
115.59													
		155	0.23	-1.27	-3.96	-3.73	-1.50	0.75	71.10	-76.60	-61.26	55.75	-45.07
		156	0.30	1.92	-1.85	0.68	-0.61	-1.77	133.70	-34.93	40.77	58.00	-83.87
		135	0.61	11.30	1.60	2.82	10.08	-3.22	276.53	22.09	102.43	196.19	-
118.27													
77	63	10	0.59	1.04	-3.01	1.03	-3.01	-0.19	43.62	-305.02	-4.63	-256.78	
120.38													
		155	0.32	2.82	-0.66	1.73	0.44	-1.62	44.89	-142.54	2.02	-99.67	78.72
		156	0.46	0.78	-0.96	-0.23	0.05	0.86	84.09	-208.18	-35.37	-88.72	
143.68													
		135	0.70	0.45	-4.76	-0.92	-3.39	2.29	-30.66	-386.82	-113.48	-303.99	
150.46													
77	64	10	0.68	15.57	-3.37	-3.31	15.51	-1.05	132.28	-199.13	-112.92	46.07	-
145.39													
		155	0.36	-1.88	-7.76	-6.96	-2.68	2.02	100.51	-117.54	-99.48	82.45	-60.09
		156	0.33	3.30	-3.34	1.04	-1.08	-3.14	157.75	7.22	63.12	101.85	-72.73
		135	0.64	19.68	2.11	4.68	17.10	-6.21	208.85	-4.01	84.81	120.04	-
104.96													
77	65	10	0.67	2.77	-9.41	2.77	-9.41	0.16	116.72	-247.25	38.70	-169.22	
149.37													
		155	0.42	6.67	-0.04	4.99	1.64	-2.91	82.82	-166.66	41.35	-125.18	92.88
		156	0.49	2.29	-2.36	-0.59	0.52	2.26	44.24	-233.73	-57.63	-131.86	
133.94													
		135	0.74	-0.08	-13.24	-2.80	-10.52	5.32	-9.87	-316.00	-95.40	-230.47	
137.36													
77	66	10	0.58	9.15	-1.61	-1.57	9.11	-0.70	186.53	-122.50	-69.60	133.63	-
116.40													
		155	0.23	-1.26	-3.91	-3.69	-1.48	0.73	72.80	-76.03	-60.16	56.94	-45.93
		156	0.30	1.90	-1.83	0.68	-0.61	-1.75	132.74	-33.16	40.86	58.72	-82.47
		135	0.61	11.18	1.59	2.79	9.98	-3.18	274.70	21.76	102.89	193.56	-
118.06													
77	67	10	0.56	0.85	-2.22	0.83	-2.20	-0.23	38.46	-297.02	-8.89	-249.67	
116.80													
		155	0.30	2.37	-0.71	1.34	0.31	-1.45	41.97	-138.30	0.14	-96.47	76.10
		156	0.45	0.62	-0.78	-0.17	8.46e-03	0.70	83.74	-203.69	-33.88	-86.08	
141.33													
		135	0.67	0.54	-3.71	-0.67	-2.50	1.92	-31.95	-374.97	-110.20	-296.71	
143.94													
77	68	10	0.64	14.58	-3.13	-3.08	14.53	-1.00	122.99	-198.20	-109.84	34.63	-
143.43													
		155	0.35	-1.81	-7.21	-6.50	-2.52	1.82	99.59	-113.38	-95.41	81.63	-59.19
		156	0.31	3.07	-3.13	0.97	-1.03	-2.94	151.53	10.92	61.82	100.63	-67.57
		135	0.59	18.38	2.01	4.38	16.01	-5.76	193.81	-3.87	82.44	107.50	-98.04
77	69	10	0.63	2.54	-8.43	2.54	-8.42	0.11	115.22	-237.38	35.62	-157.79	
147.41													
		155	0.41	6.11	-0.10	4.53	1.48	-2.71	78.90	-165.99	37.27	-124.36	91.98
		156	0.47	2.09	-2.13	-0.52	0.47	2.05	40.55	-227.52	-56.33	-130.64	
128.78													
		135	0.69	0.02	-11.94	-2.50	-9.43	4.88	-10.86	-300.10	-93.03	-217.93	
130.44													
77	70	10	0.55	8.35	-1.42	-1.37	8.30	-0.66	178.68	-117.50	-65.33	126.52	-
112.82													

		155	0.22	-1.20	-3.46	-3.31	-1.35	0.57	68.53	-73.07	-58.28	53.74	-43.31
		156	0.29	1.71	-1.67	0.62	-0.57	-1.58	128.27	-32.83	39.37	56.07	-80.12
		135	0.57	10.13	1.51	2.55	9.09	-2.81	262.62	23.28	99.61	186.28	-111.55
77	71	10	0.56	0.83	-2.13	0.81	-2.11	-0.23	39.84	-295.65	-8.30	-247.51	-117.61
		155	0.31	2.32	-0.72	1.30	0.30	-1.43	41.58	-140.20	-0.96	-97.66	76.96
		156	0.44	0.60	-0.76	-0.16	2.48e-03	0.68	82.01	-202.77	-33.97	-86.79	-139.92
		135	0.66	0.56	-3.60	-0.64	-2.40	1.88	-31.86	-372.88	-110.66	-294.08	-143.74
77	72	10	0.64	14.67	-3.15	-3.09	14.62	-1.00	124.00	-196.45	-109.25	36.80	-142.62
		155	0.35	-1.82	-7.25	-6.54	-2.54	1.84	97.94	-114.00	-96.50	80.44	-58.33
		156	0.32	3.09	-3.15	0.97	-1.03	-2.96	152.39	9.25	61.73	99.92	-68.98
		135	0.60	18.50	2.02	4.40	16.11	-5.80	195.30	-3.19	81.98	110.13	-98.24
77	73	10	0.63	2.56	-8.52	2.55	-8.51	0.12	113.60	-238.52	35.03	-159.95	-146.60
		155	0.41	6.16	-0.10	4.57	1.49	-2.72	79.36	-164.17	38.37	-123.17	91.12
		156	0.47	2.11	-2.15	-0.52	0.47	2.07	42.22	-228.38	-56.23	-129.92	-130.19
		135	0.69	8.14e-03	-12.06	-2.53	-9.53	4.92	-11.10	-302.04	-92.58	-220.56	-130.64
77	74	10	0.55	8.26	-1.40	-1.35	8.21	-0.65	177.42	-118.99	-65.93	124.35	-113.63
		155	0.22	-1.19	-3.42	-3.27	-1.34	0.55	70.24	-72.49	-57.18	54.92	-44.17
		156	0.28	1.69	-1.64	0.61	-0.56	-1.56	127.31	-31.07	39.46	56.79	-78.71
		135	0.56	10.01	1.50	2.52	8.99	-2.77	260.79	22.93	100.07	183.66	-111.34
77	75	10	0.49	9.38	-2.14	-2.08	9.32	-0.81	-84.74	-226.44	-85.11	-226.07	-7.24
		155	0.18	-1.50	-4.55	-4.30	-1.74	0.83	-3.34	-69.78	-67.65	-5.47	11.70
		156	0.27	1.82	-2.04	0.55	-0.77	-1.81	97.05	-52.57	21.56	22.92	74.81
		135	0.56	11.64	1.42	2.77	10.29	-3.46	-29.88	-240.46	-53.60	-216.74	66.58
77	76	10	0.47	13.98	-3.22	-3.16	13.92	-1.02	-55.79	-207.23	-112.02	-151.01	-73.17
		155	0.28	-1.86	-7.11	-6.45	-2.52	1.74	43.52	-96.59	-92.79	39.72	-22.75
		156	0.18	2.87	-3.06	0.86	-1.05	-2.81	82.37	33.70	45.93	70.15	21.11
		135	0.44	17.67	1.86	4.15	15.38	-5.56	-4.35	-111.66	-4.45	-111.56	3.26
77	77	10	0.28	2.62	-7.82	2.62	-7.81	0.14	110.13	-44.49	37.79	27.85	77.15
		155	0.28	6.00	-0.04	4.48	1.47	-2.62	56.80	-104.61	34.65	-82.46	55.54
		156	0.22	2.01	-1.93	-0.42	0.49	1.92	-20.30	-120.29	-40.43	-100.16	40.10
		135	0.25	0.17	-11.24	-2.28	-8.79	4.68	26.85	-31.87	-6.14	1.13	29.13
77	78	10	0.23	1.54	-3.22	1.54	-3.22	-0.08	104.26	9.54	10.89	102.91	11.22
		155	0.13	3.42	-0.39	2.33	0.70	-1.72	17.62	-45.37	9.51	-37.27	21.09
		156	0.11	1.00	-0.88	-0.10	0.21	0.93	-11.59	-57.40	-16.07	-52.93	-13.60
		135	0.27	0.63	-5.23	-0.89	-3.71	2.57	121.24	28.08	43.01	106.31	-34.18
77	79	10	0.49	9.60	-2.19	-2.14	9.55	-0.82	-85.57	-224.23	-86.03	-223.77	-7.93
		155	0.18	-1.51	-4.67	-4.40	-1.78	0.88	-3.02	-70.32	-68.38	-4.96	11.26
		156	0.27	1.87	-2.09	0.57	-0.78	-1.86	96.52	-51.22	21.90	23.40	73.87
		135	0.56	11.93	1.44	2.83	10.54	-3.56	-30.03	-237.15	-52.90	-214.28	64.91
77	80	10	0.47	13.75	-3.16	-3.10	13.69	-1.01	-56.71	-207.69	-111.10	-153.30	-72.48
		155	0.27	-1.85	-6.98	-6.35	-2.48	1.69	42.91	-95.74	-92.05	39.22	-22.31
		156	0.18	2.82	-3.01	0.85	-1.04	-2.76	82.75	32.51	45.58	69.67	22.04
		135	0.44	17.38	1.84	4.09	15.13	-5.46	-4.92	-114.24	-5.15	-114.02	4.93
77	81	10	0.27	2.57	-7.59	2.56	-7.59	0.13	110.05	-43.02	36.88	30.15	76.46
		155	0.28	5.87	-0.06	4.38	1.44	-2.58	55.94	-103.97	33.92	-81.95	55.10
		156	0.22	1.97	-1.88	-0.40	0.48	1.87	-20.67	-119.10	-40.09	-99.68	39.17
		135	0.24	0.19	-10.94	-2.21	-8.55	4.58	26.91	-28.77	-5.45	3.59	27.47
77	82	10	0.23	1.60	-3.45	1.59	-3.44	-0.06	102.19	10.24	11.81	100.62	11.91
		155	0.13	3.54	-0.37	2.43	0.74	-1.76	18.49	-46.01	10.25	-37.77	21.54
		156	0.11	1.04	-0.94	-0.12	0.23	0.97	-12.49	-57.32	-16.41	-53.41	-12.66
		135	0.27	0.61	-5.52	-0.96	-3.95	2.67	117.85	28.31	42.31	103.85	-32.51
77	83	10	0.48	9.63	-2.19	-2.13	9.57	-0.82	-83.29	-220.26	-83.47	-220.08	-4.99
		155	0.19	-1.51	-4.67	-4.41	-1.78	0.88	-5.70	-73.72	-70.67	-8.75	14.08
		156	0.26	1.88	-2.10	0.57	-0.79	-1.87	92.04	-49.79	21.31	20.94	70.92
		135	0.56	11.96	1.45	2.84	10.57	-3.57	-30.50	-233.82	-54.85	-209.47	66.02
77	84	10	0.46	14.23	-3.27	-3.21	14.16	-1.03	-54.69	-200.71	-110.38	-145.02	-70.92
		155	0.28	-1.88	-7.24	-6.56	-2.56	1.78	39.50	-98.88	-95.81	36.44	-20.37
		156	0.17	2.93	-3.12	0.88	-1.07	-2.86	77.48	36.35	45.67	68.17	17.22
		135	0.44	17.99	1.89	4.23	15.65	-5.68	-5.62	-104.36	-5.70	-104.29	2.70
77	85	10	0.28	2.67	-8.06	2.67	-8.06	0.15	104.25	-46.23	36.15	21.87	74.90
		155	0.28	6.13	-0.03	4.59	1.51	-2.67	58.24	-99.74	37.67	-79.17	53.16
		156	0.23	2.07	-1.99	-0.43	0.51	1.98	-16.49	-121.86	-40.18	-98.17	43.99

		135	0.27	0.14	-11.56	-2.35	-9.07	4.79	24.18	-35.22	-4.89	-6.14	29.69
77	86	10	0.23	1.59	-3.47	1.59	-3.47	-0.07	97.84	8.34	9.25	96.93	8.97
		155	0.12	3.55	-0.37	2.44	0.74	-1.77	19.13	-40.57	12.53	-33.98	18.71
		156	0.10	1.05	-0.94	-0.12	0.23	0.98	-13.31	-53.45	-15.81	-50.95	-9.71
		135	0.27	0.61	-5.55	-0.96	-3.98	2.68	115.02	28.29	44.26	99.04	-33.62
77	87	10	0.48	9.85	-2.24	-2.19	9.79	-0.83	-84.15	-218.03	-84.39	-217.78	-5.68
		155	0.19	-1.53	-4.80	-4.51	-1.82	0.93	-5.43	-74.22	-71.40	-8.25	13.64
		156	0.26	1.93	-2.14	0.58	-0.80	-1.91	91.51	-48.45	21.65	21.42	69.98
		135	0.55	12.26	1.47	2.91	10.81	-3.67	-30.67	-230.49	-54.15	-207.01	64.35
77	88	10	0.46	14.00	-3.22	-3.15	13.94	-1.02	-55.65	-201.13	-109.46	-147.32	-70.23
		155	0.28	-1.86	-7.11	-6.45	-2.52	1.74	38.90	-98.04	-95.08	35.93	-19.93
		156	0.18	2.88	-3.07	0.86	-1.06	-2.82	77.83	35.19	45.33	67.69	18.15
		135	0.44	17.70	1.87	4.16	15.41	-5.57	-6.21	-106.94	-6.40	-106.75	4.37
77	89	10	0.27	2.62	-7.84	2.61	-7.84	0.14	104.12	-44.72	35.24	24.16	74.21
		155	0.27	6.01	-0.04	4.49	1.48	-2.62	57.37	-99.10	36.94	-78.66	52.72
		156	0.22	2.03	-1.94	-0.41	0.50	1.93	-16.89	-120.64	-39.84	-97.69	43.06
		135	0.26	0.16	-11.27	-2.28	-8.82	4.69	24.09	-31.97	-4.20	-3.68	28.03
77	90	10	0.23	1.65	-3.69	1.65	-3.69	-0.06	95.72	9.08	10.17	94.63	9.66
		155	0.12	3.67	-0.36	2.54	0.78	-1.81	20.00	-41.22	13.27	-34.48	19.16
		156	0.10	1.10	-0.99	-0.13	0.24	1.03	-14.09	-53.48	-16.15	-51.42	-8.77
		135	0.27	0.58	-5.84	-1.03	-4.23	2.78	111.59	28.55	43.56	96.58	-31.95
77	91	10	0.49	0.84	-2.05	0.82	-2.03	-0.23	28.21	-263.68	-10.71	-224.76	99.22
		155	0.27	2.30	-0.73	1.29	0.28	-1.43	35.08	-122.73	-2.51	-85.14	67.23
		156	0.40	0.58	-0.74	-0.15	-3.72e-03	0.65	75.55	-179.37	-28.57	-75.25	
125.31													
		135	0.59	0.57	-3.50	-0.62	-2.32	1.85	-25.98	-331.55	-94.34	-263.19	
127.33													
77	92	10	0.56	13.33	-2.82	-2.77	13.27	-0.94	98.51	-173.46	-100.38	25.44	-
120.56													
		155	0.30	-1.70	-6.49	-5.89	-2.29	1.58	79.19	-100.00	-86.31	65.50	-47.59
		156	0.26	2.79	-2.83	0.89	-0.94	-2.66	123.09	11.73	52.66	82.17	-53.69
		135	0.52	16.73	1.90	4.01	14.63	-5.18	162.64	-5.73	69.51	87.41	-83.71
77	93	10	0.55	2.23	-7.17	2.23	-7.17	0.05	90.92	-213.35	26.16	-148.59	
124.54													
		155	0.36	5.39	-0.22	3.92	1.25	-2.46	65.39	-145.45	28.18	-108.23	80.39
		156	0.41	1.79	-1.85	-0.44	0.38	1.77	39.74	-199.08	-47.16	-112.18	
114.90													
		135	0.61	0.12	-10.30	-2.13	-8.04	4.29	-8.79	-269.14	-80.10	-197.83	
116.10													
77	94	10	0.48	8.18	-1.40	-1.36	8.13	-0.65	145.10	-107.00	-63.51	101.61	-95.24
		155	0.20	-1.19	-3.40	-3.26	-1.33	0.54	53.29	-66.51	-55.62	42.40	-34.44
		156	0.24	1.67	-1.62	0.60	-0.56	-1.54	103.99	-24.69	34.06	45.25	-64.10
		135	0.50	9.91	1.49	2.50	8.90	-2.73	219.27	17.24	83.75	152.77	-94.94
77	95	10	0.49	0.82	-1.97	0.80	-1.96	-0.23	29.34	-262.52	-10.22	-222.97	99.90
		155	0.27	2.26	-0.73	1.26	0.27	-1.41	34.77	-124.31	-3.42	-86.12	67.95
		156	0.39	0.56	-0.72	-0.15	-8.65e-03	0.64	74.12	-178.61	-28.64	-75.85	
124.14													
		135	0.59	0.58	-3.41	-0.59	-2.23	1.82	-25.92	-329.80	-94.71	-261.01	
127.17													
77	96	10	0.56	13.40	-2.84	-2.78	13.35	-0.94	99.36	-172.02	-99.89	27.23	-
119.88													
		155	0.30	-1.70	-6.52	-5.92	-2.30	1.59	77.83	-100.54	-87.22	64.51	-46.88
		156	0.26	2.81	-2.85	0.90	-0.94	-2.67	123.81	10.34	52.58	81.57	-54.85
		135	0.52	16.83	1.91	4.03	14.71	-5.21	163.85	-5.13	69.13	89.59	-83.87
77	97	10	0.55	2.24	-7.25	2.24	-7.25	0.06	89.60	-214.32	25.67	-150.38	
123.86													
		155	0.36	5.43	-0.21	3.95	1.26	-2.48	65.77	-143.93	29.08	-107.25	79.67
		156	0.42	1.80	-1.87	-0.45	0.38	1.79	41.13	-199.79	-47.09	-111.58	
116.06													
		135	0.62	0.12	-10.39	-2.15	-8.12	4.32	-8.96	-270.77	-79.72	-200.01	
116.27													
77	98	10	0.48	8.10	-1.39	-1.34	8.06	-0.65	144.04	-108.23	-64.00	99.82	-95.92
		155	0.20	-1.18	-3.36	-3.22	-1.32	0.53	54.69	-66.01	-54.72	43.39	-35.15
		156	0.24	1.65	-1.60	0.60	-0.55	-1.52	103.19	-23.22	34.13	45.84	-62.93
		135	0.49	9.81	1.48	2.47	8.82	-2.70	217.78	16.93	84.12	150.59	-94.77
77	99	10	0.47	0.68	-1.33	0.64	-1.29	-0.27	25.04	-255.91	-13.76	-217.11	96.92
		155	0.26	1.89	-0.78	0.94	0.17	-1.28	32.37	-120.79	-4.96	-83.45	65.76
		156	0.38	0.43	-0.57	-0.10	-0.04	0.50	73.81	-174.90	-27.43	-73.66	
122.19													
		135	0.56	0.67	-2.55	-0.39	-1.50	1.51	-26.96	-320.04	-92.01	-255.00	
121.79													
77	100	10	0.53	12.59	-2.64	-2.59	12.54	-0.90	91.75	-171.30	-97.33	17.78	-

118.26												
		155	0.29	-1.65	-6.07	-5.54	-2.18	1.43	77.04	-97.09	-83.86	63.82-46.12
		156	0.24	2.62	-2.68	0.84	-0.90	-2.50	118.66	13.43	51.52	80.58-50.57
		135	0.48	15.76	1.83	3.78	13.81	-4.84	151.58	-5.20	67.18	79.21-78.16
77	101	10	0.52	2.05	-6.43	2.05	-6.43	0.02	88.30	-206.12	23.11	-140.94
122.24												
		155	0.35	4.97	-0.26	3.57	1.13	-2.31	62.55	-143.38	25.73	-106.55 78.91
		156	0.40	1.63	-1.68	-0.39	0.34	1.62	38.04	-194.65	-46.02	-110.59
111.78												
		135	0.58	0.20	-9.33	-1.90	-7.22	3.95	-9.80	-257.60	-77.77	-189.64
110.56												
77	102	10	0.46	7.44	-1.22	-1.18	7.39	-0.62	137.58	-104.08	-60.46	93.96-92.94
		155	0.19	-1.12	-2.99	-2.91	-1.21	0.39	51.14	-63.59	-53.17	40.72-32.97
		156	0.23	1.50	-1.47	0.55	-0.52	-1.38	99.50	-22.93	32.92	43.66-60.98
		135	0.46	8.94	1.41	2.27	8.08	-2.40	207.80	18.19	81.42	144.57-89.39
77	103	10	0.46	0.66	-1.26	0.62	-1.22	-0.27	26.18	-254.76	-13.27	-215.32 97.60
		155	0.26	1.85	-0.79	0.91	0.15	-1.26	32.06	-122.37	-5.87	-84.44 66.47
		156	0.38	0.41	-0.55	-0.09	-0.05	0.48	72.38	-174.14	-27.50	-74.26
121.02												
		135	0.55	0.68	-2.46	-0.37	-1.41	1.48	-26.91	-318.29	-92.38	-252.82
121.62												
77	104	10	0.53	12.66	-2.66	-2.60	12.61	-0.91	92.57	-169.84	-96.84	19.58 -
117.59												
		155	0.29	-1.66	-6.11	-5.57	-2.19	1.44	75.68	-97.62	-84.77	62.83-45.41
		156	0.25	2.64	-2.70	0.84	-0.90	-2.52	119.38	12.04	51.44	79.98-51.74
		135	0.49	15.86	1.83	3.80	13.89	-4.87	152.76	-4.57	66.80	81.39-78.33
77	105	10	0.52	2.06	-6.51	2.06	-6.51	0.02	86.96	-207.07	22.62	-142.73
121.57												
		155	0.35	5.01	-0.26	3.61	1.14	-2.33	62.93	-141.86	26.63	-105.56 78.20
		156	0.40	1.65	-1.70	-0.39	0.34	1.64	39.43	-195.37	-45.95	-109.99
112.95												
		135	0.58	0.19	-9.42	-1.92	-7.30	3.99	-9.97	-259.24	-77.40	-191.82
110.72												
77	106	10	0.45	7.36	-1.21	-1.16	7.32	-0.62	136.54	-105.33	-60.95	92.16-93.62
		155	0.19	-1.12	-2.96	-2.88	-1.20	0.38	52.53	-63.09	-52.27	41.71-33.68
		156	0.22	1.48	-1.45	0.54	-0.51	-1.37	98.70	-21.46	33.00	44.25-59.81
		135	0.46	8.85	1.40	2.25	8.00	-2.36	206.32	17.86	81.79	142.39-89.22
78	1	127	0.05	2.29	0.81	1.20	1.91	0.65	12.68	-6.26	10.51	-4.09 6.04
		159	0.04	1.25	-0.21	0.86	0.19	0.65	13.13	1.06	11.81	2.39 3.78
		157	0.04	0.48	-0.85	-0.32	-0.05	0.65	10.77	-2.47	6.90	1.41 6.02
		128	0.05	1.90	-0.20	0.02	1.67	0.65	10.12	-9.59	5.60	-5.07 8.29
78	2	127	0.36	14.51	5.24	7.45	12.30	3.95	97.84	-12.37	52.40	33.07 54.25
		159	0.27	7.55	-1.42	5.18	0.95	3.95	70.93	-13.93	47.66	9.35 37.86
		157	0.20	2.76	-5.30	-2.04	-0.50	3.95	37.22	-22.86	12.12	2.24 29.63
		128	0.32	12.16	-1.08	0.23	10.85	3.95	67.66	-24.83	16.87	25.96 46.02
78	3	127	0.03	1.53	0.54	0.81	1.27	0.44	8.43	-4.98	7.29	-3.85 3.74
		159	0.03	0.85	-0.14	0.58	0.13	0.44	9.10	1.02	8.40	1.71 2.26
		157	0.03	0.33	-0.57	-0.21	-0.03	0.44	7.81	-1.53	5.21	1.07 4.19
		128	0.03	1.27	-0.14	0.01	1.11	0.44	6.91	-7.30	4.10	-4.49 5.66
78	4	127	0.34	13.75	4.97	7.06	11.66	3.74	93.79	-11.30	49.18	33.31 51.94
		159	0.26	7.14	-1.35	4.90	0.89	3.74	66.93	-14.01	44.25	8.66 36.34
		157	0.19	2.61	-5.02	-1.93	-0.48	3.74	34.29	-21.95	10.43	1.90 27.79
		128	0.31	11.53	-1.02	0.22	10.29	3.74	64.71	-22.80	15.36	26.55 43.39
78	5	127	0.04	1.66	0.59	0.87	1.38	0.47	9.17	-4.88	7.74	-3.45 4.25
		159	0.03	0.91	-0.15	0.62	0.14	0.47	9.66	0.91	8.79	1.78 2.62
		157	0.03	0.35	-0.61	-0.23	-0.03	0.47	8.08	-1.74	5.26	1.08 4.44
		128	0.03	1.38	-0.15	0.02	1.21	0.47	7.40	-7.34	4.22	-4.15 6.06
78	6	127	0.24	9.81	3.54	5.04	8.31	2.68	65.58	-8.59	35.67	21.32 36.39
		159	0.18	5.11	-0.96	3.51	0.64	2.68	48.10	-8.99	32.69	6.42 25.35
		157	0.14	1.87	-3.58	-1.38	-0.33	2.68	25.68	-15.30	8.75	1.63 20.18
		128	0.22	8.22	-0.73	0.16	7.33	2.68	45.44	-17.18	11.73	16.53 31.22
78	7	127	0.04	1.66	0.59	0.87	1.38	0.47	9.17	-4.88	7.74	-3.45 4.25
		159	0.03	0.91	-0.15	0.62	0.14	0.47	9.66	0.91	8.79	1.78 2.62
		157	0.03	0.35	-0.61	-0.23	-0.03	0.47	8.08	-1.74	5.26	1.08 4.44
		128	0.03	1.38	-0.15	0.02	1.21	0.47	7.40	-7.34	4.22	-4.15 6.06
78	8	127	0.18	7.36	2.65	3.79	6.23	2.01	48.16	-6.98	27.29	13.89 26.75
		159	0.14	3.85	-0.72	2.64	0.49	2.01	36.45	-5.90	25.52	5.03 18.53
		157	0.10	1.41	-2.69	-1.03	-0.24	2.01	20.35	-11.18	7.70	1.47 15.46
		128	0.16	6.17	-0.56	0.11	5.49	2.01	33.58	-13.78	9.47	10.33 23.67
78	9	127	0.04	1.66	0.59	0.87	1.38	0.47	9.17	-4.88	7.74	-3.45 4.25
		159	0.03	0.91	-0.15	0.62	0.14	0.47	9.66	0.91	8.79	1.78 2.62
		157	0.03	0.35	-0.61	-0.23	-0.03	0.47	8.08	-1.74	5.26	1.08 4.44

		128	0.03	1.38	-0.15	0.02	1.21	0.47	7.40	-7.34	4.22	-4.15	6.06
78	10	127	0.16	6.55	2.36	3.37	5.54	1.79	42.38	-6.47	24.50	11.41	23.53
		159	0.12	3.43	-0.63	2.35	0.44	1.79	32.57	-4.88	23.13	4.56	16.26
		157	0.09	1.26	-2.39	-0.92	-0.21	1.79	18.58	-9.82	7.35	1.41	13.88
		128	0.14	5.48	-0.50	0.10	4.88	1.79	29.65	-12.67	8.72	8.26	21.16
78	11	127	0.53	19.75	3.64	7.94	15.45	7.13	141.21	-8.55	69.26	63.40	74.83
		159	0.33	9.60	-0.88	5.67	3.04	5.07	100.40	5.13	71.01	34.52	44.00
		157	0.16	-0.97	-3.71	-2.92	-1.76	1.24	50.26	-31.70	-1.31	19.87	39.59
		128	0.47	15.23	-1.21	0.15	13.86	4.54	106.55	-51.69	-2.33	57.19	73.31
78	12	127	0.53	23.83	4.27	9.05	19.05	8.41	98.02	-19.29	36.99	41.73	58.61
		159	0.30	9.17	-3.11	4.61	1.45	5.93	66.76	-2.39	37.72	26.65	34.13
		157	0.13	-3.22	-3.59	-3.53	-3.28	0.14	30.49	-43.00	-27.27	14.76	30.15
		128	0.45	17.97	0.06	0.63	17.40	3.15	70.84	-60.82	-26.68	36.70	57.70
78	13	127	0.23	0.45	-10.73	-2.30	-7.98	-4.82	15.84	-22.74	12.00	-18.91	-11.54
		159	0.09	2.13	-2.61	0.10	-0.57	-2.35	8.64	-17.62	8.54	-17.52	-1.62
		157	0.14	5.77	-1.23	1.69	2.86	3.45	42.08	-12.04	41.98	-11.94	-2.38
		128	0.20	-0.41	-7.66	-0.43	-7.64	0.44	47.62	-23.67	44.13	-20.18	-15.38
78	14	127	0.22	1.09	-6.67	-1.20	-4.38	-3.54	-0.86	-59.98	-20.27	-40.57	-27.76
		159	0.10	0.04	-3.16	-0.97	-2.16	-1.48	-13.59	-36.56	-24.76	-25.39	-11.48
		157	0.12	3.56	-1.14	1.08	1.34	2.35	19.81	-20.84	16.02	-17.05	-11.82
		128	0.19	0.26	-4.31	0.05	-4.10	-0.95	32.84	-53.74	19.77	-40.67	-31.00
78	15	127	0.53	19.69	3.67	7.86	15.50	7.04	140.22	-8.38	69.23	62.61	74.22
		159	0.33	9.55	-0.90	5.70	2.96	5.04	100.06	5.60	71.35	34.31	43.44
		157	0.16	-1.07	-3.69	-2.92	-1.84	1.19	50.11	-31.68	-1.21	19.64	39.55
		128	0.47	15.29	-1.19	0.16	13.93	4.52	106.31	-51.97	-2.43	56.77	73.40
78	16	127	0.54	23.89	4.24	9.13	19.00	8.50	99.04	-19.50	37.02	42.52	59.21
		159	0.30	9.22	-3.10	4.59	1.53	5.97	67.21	-2.96	37.38	26.87	34.69
		157	0.13	-3.12	-3.62	-3.54	-3.20	0.19	30.68	-43.06	-27.37	14.99	30.19
		128	0.45	17.91	0.04	0.62	17.33	3.16	71.10	-60.56	-26.58	37.12	57.61
78	17	127	0.24	0.48	-10.79	-2.38	-7.93	-4.91	16.09	-23.81	11.97	-19.69	-12.14
		159	0.09	2.14	-2.67	0.12	-0.65	-2.38	9.05	-17.91	8.88	-17.74	-2.17
		157	0.14	5.68	-1.21	1.70	2.78	3.40	42.18	-12.27	42.07	-12.17	-2.42
		128	0.20	-0.40	-7.59	-0.42	-7.57	0.43	47.46	-24.04	44.03	-20.60	-15.30
78	18	127	0.22	1.06	-6.60	-1.12	-4.42	-3.45	-1.15	-58.87	-20.24	-39.78	-27.16
		159	0.10	0.02	-3.08	-0.99	-2.08	-1.45	-14.21	-36.07	-25.10	-25.18	-10.93
		157	0.12	3.65	-1.15	1.08	1.42	2.39	19.72	-20.62	15.92	-16.82	-11.78
		128	0.19	0.24	-4.37	0.04	-4.17	-0.93	33.06	-53.43	19.88	-40.25	-31.09
78	19	127	0.52	19.70	3.64	7.87	15.48	7.07	136.87	-7.96	67.88	61.02	72.33
		159	0.33	9.54	-0.86	5.57	3.10	5.05	98.48	4.50	70.26	32.71	43.07
		157	0.16	-1.09	-3.71	-2.95	-1.85	1.19	49.89	-30.58	0.76	18.55	39.24
		128	0.47	15.18	-1.73	-0.45	13.91	4.46	104.81	-49.75	-1.10	56.16	71.78
78	20	127	0.52	23.79	4.26	8.97	19.08	8.35	93.63	-18.66	35.61	39.36	56.12
		159	0.29	9.12	-3.09	4.51	1.51	5.92	64.66	-2.85	36.97	24.85	33.21
		157	0.13	-3.34	-3.59	-3.55	-3.37	0.08	29.63	-41.39	-25.20	13.44	29.80
		128	0.45	17.97	-0.50	0.03	17.45	3.07	69.05	-58.84	-25.46	35.67	56.17
78	21	127	0.22	0.46	-10.69	-2.23	-8.00	-4.77	15.91	-19.06	13.38	-16.53	-9.05
		159	0.08	2.15	-2.58	0.20	-0.63	-2.33	9.30	-15.74	9.29	-15.72	-0.69
		157	0.14	5.89	-1.23	1.72	2.95	3.51	39.99	-10.70	39.91	-10.62	-2.03
		128	0.21	0.20	-7.71	0.17	-7.68	0.51	45.86	-22.10	42.90	-19.15	-13.85
78	22	127	0.21	1.09	-6.61	-1.12	-4.40	-3.49	-1.49	-55.59	-18.89	-38.19	-25.27
		159	0.10	0.07	-3.16	-0.87	-2.22	-1.47	-13.24	-34.35	-24.01	-23.58	-10.56
		157	0.12	3.67	-1.14	1.11	1.43	2.40	17.87	-19.65	13.95	-15.73	-11.47
		128	0.19	0.81	-4.30	0.65	-4.14	-0.88	30.86	-51.96	18.55	-39.64	-29.47
78	23	127	0.52	19.64	3.67	7.79	15.52	6.98	135.88	-7.79	67.85	60.24	71.73
		159	0.32	9.50	-0.88	5.60	3.02	5.02	98.14	4.96	70.60	32.50	42.52
		157	0.15	-1.19	-3.68	-2.94	-1.93	1.14	49.75	-30.57	0.86	18.32	39.20
		128	0.47	15.24	-1.70	-0.44	13.98	4.45	104.57	-50.03	-1.20	55.74	71.87
78	24	127	0.53	23.85	4.23	9.05	19.03	8.44	94.66	-18.87	35.64	40.15	56.72
		159	0.29	9.16	-3.08	4.49	1.59	5.95	65.10	-3.41	36.63	25.06	33.76
		157	0.13	-3.24	-3.61	-3.56	-3.29	0.13	29.82	-41.45	-25.30	13.66	29.84
		128	0.45	17.91	-0.51	0.02	17.38	3.09	69.31	-58.57	-25.35	36.09	56.08
78	25	127	0.23	0.49	-10.75	-2.31	-7.96	-4.85	16.13	-20.10	13.35	-17.32	-9.65
		159	0.09	2.16	-2.65	0.22	-0.71	-2.36	9.69	-15.99	9.63	-15.93	-1.25
		157	0.14	5.80	-1.21	1.72	2.87	3.46	40.09	-10.93	40.00	-10.84	-2.07
		128	0.21	0.21	-7.64	0.18	-7.61	0.50	45.70	-22.48	42.80	-19.57	-13.77
78	26	127	0.21	1.05	-6.54	-1.04	-4.45	-3.40	-1.78	-54.49	-18.86	-37.41	-24.67
		159	0.10	0.05	-3.08	-0.89	-2.14	-1.44	-13.85	-33.87	-24.35	-23.37	-10.00
		157	0.12	3.76	-1.15	1.10	1.51	2.45	17.78	-19.43	13.85	-15.50	-11.43
		128	0.19	0.79	-4.36	0.64	-4.21	-0.86	31.08	-51.65	18.65	-39.22	-29.55
78	27	127	0.29	4.51	1.61	3.07	3.05	1.45	138.31	8.43	86.88	59.86	63.52
		159	0.25	5.91	2.68	4.96	3.63	1.47	107.14	6.33	87.99	25.48	39.54
		157	0.21	4.00	-2.97	-0.60	1.63	3.30	68.22	-9.39	44.13	14.70	35.91

		128	0.33	5.73	-4.13	-0.62	2.21	4.72	108.95	-12.59	42.35	54.01	60.49
78	28	127	0.28	17.97	3.83	6.75	15.05	5.72	-6.18	-26.86	-20.71	-12.34	9.46
		159	0.15	4.49	-4.73	1.42	-1.66	4.35	1.10	-24.83	-23.00	-0.74	6.66
		157	0.10	-2.48	-3.58	-2.62	-3.44	-0.38	-1.85	-42.89	-42.41	-2.34	4.44
		128	0.24	14.01	0.99	0.99	14.00	0.09	-11.67	-41.46	-38.84	-14.28	8.43
78	29	127	0.21	0.92	-4.90	-5.39e-03	-3.98	-2.13	93.82	11.05	69.70	35.17	37.61
		159	0.16	3.76	2.07	3.29	2.55	-0.76	78.93	0.18	69.25	9.87	25.86
		157	0.20	6.02	-2.22	0.78	3.01	3.97	66.05	-3.77	57.11	5.16	23.32
		128	0.22	1.38	-6.41	-0.79	-4.24	3.49	79.74	7.35	56.29	30.80	33.88
78	30	127	0.20	8.90	2.80	3.68	8.02	2.13	-21.00	-53.92	-37.88	-37.03	-16.45
		159	0.11	0.96	-3.96	-0.25	-2.75	2.12	-14.54	-43.55	-41.74	-16.35	-7.03
		157	0.07	-1.15	-2.14	-1.24	-2.05	0.28	-8.68	-32.62	-29.42	-11.88	-8.15
		128	0.17	7.74	0.63	0.82	7.55	-1.14	-11.97	-50.44	-24.90	-37.50	-18.18
78	31	127	0.28	4.49	1.61	3.05	3.06	1.44	137.04	8.57	86.46	59.15	62.77
		159	0.25	5.89	2.69	4.93	3.65	1.46	106.64	6.07	87.77	24.94	39.27
		157	0.21	3.96	-2.97	-0.61	1.60	3.29	68.44	-9.38	44.75	14.31	35.81
		128	0.33	5.65	-4.22	-0.80	2.22	4.70	108.49	-12.07	42.72	53.70	60.03
78	32	127	0.28	17.96	3.83	6.73	15.06	5.70	-7.49	-26.69	-21.12	-13.05	8.71
		159	0.15	4.47	-4.73	1.39	-1.65	4.34	0.44	-24.94	-23.22	-1.28	6.38
		157	0.10	-2.47	-3.62	-2.63	-3.46	-0.39	-2.26	-42.26	-41.79	-2.74	4.34
		128	0.24	14.02	0.81	0.81	14.02	0.07	-12.18	-40.89	-38.47	-14.59	7.97
78	33	127	0.21	0.93	-4.89	0.02	-3.98	-2.11	95.00	10.99	70.11	35.88	38.36
		159	0.16	3.77	2.07	3.32	2.53	-0.75	79.38	0.50	69.47	10.41	26.14
		157	0.20	6.05	-2.22	0.79	3.04	3.98	65.63	-3.58	56.49	5.56	23.42
		128	0.22	1.53	-6.39	-0.61	-4.25	3.52	80.03	7.00	55.92	31.11	34.34
78	34	127	0.20	8.90	2.81	3.70	8.02	2.15	-21.18	-52.61	-37.47	-36.32	-15.70
		159	0.11	0.98	-3.97	-0.22	-2.76	2.13	-14.14	-43.18	-41.51	-15.81	-6.75
		157	0.07	-1.13	-2.13	-1.23	-2.02	0.30	-8.49	-33.04	-30.04	-11.49	-8.04
		128	0.17	7.73	0.81	1.00	7.54	-1.11	-12.54	-49.92	-25.27	-37.19	-17.72
78	35	127	0.27	4.18	1.83	2.80	3.21	1.16	135.27	8.75	86.77	57.24	61.51
		159	0.25	5.80	2.60	5.04	3.36	1.37	106.51	7.39	89.13	24.77	37.69
		157	0.20	3.68	-2.90	-0.58	1.36	3.14	68.09	-9.70	44.45	13.95	35.78
		128	0.33	5.85	-3.98	-0.58	2.44	4.68	108.31	-13.70	42.00	52.61	60.78
78	36	127	0.29	18.15	3.76	7.02	14.90	6.02	-2.48	-27.85	-20.60	-9.73	11.46
		159	0.15	4.63	-4.68	1.34	-1.40	4.45	2.67	-26.83	-24.13	-0.03	8.51
		157	0.10	-2.57	-3.25	-2.65	-3.17	-0.22	-1.08	-43.23	-42.73	-1.58	4.58
		128	0.24	13.78	0.95	0.95	13.78	0.14	-10.51	-40.86	-38.49	-12.88	8.15
78	37	127	0.21	0.96	-5.06	-0.27	-3.82	-2.43	91.20	10.94	69.59	32.55	35.60
		159	0.16	3.84	1.81	3.36	2.28	-0.86	78.67	0.87	70.38	9.16	24.01
		157	0.20	5.70	-2.15	0.81	2.75	3.81	66.14	-4.31	57.44	4.40	23.19
		128	0.22	1.43	-6.19	-0.75	-4.01	3.45	79.32	6.02	55.94	29.40	34.17
78	38	127	0.20	9.03	2.78	3.94	7.87	2.43	-21.55	-50.64	-37.77	-34.42	-14.45
		159	0.11	1.06	-3.87	-0.33	-2.48	2.22	-14.69	-43.82	-42.87	-15.64	-5.17
		157	0.06	-1.01	-2.04	-1.26	-1.79	0.45	-8.15	-32.72	-29.74	-11.13	-8.01
		128	0.16	7.50	0.60	0.78	7.33	-1.09	-10.98	-49.67	-24.55	-36.10	-18.46
78	39	127	0.27	4.16	1.84	2.78	3.21	1.14	134.01	8.87	86.35	56.53	60.77
		159	0.25	5.78	2.61	5.01	3.38	1.36	106.01	7.11	88.90	24.23	37.41
		157	0.20	3.64	-2.90	-0.58	1.33	3.13	68.31	-9.69	45.07	13.55	35.67
		128	0.33	5.77	-4.07	-0.76	2.45	4.65	107.86	-13.18	42.37	52.30	60.32
78	40	127	0.29	18.14	3.76	6.99	14.90	6.00	-3.78	-27.67	-21.01	-10.44	10.72
		159	0.15	4.61	-4.67	1.31	-1.38	4.44	2.00	-26.92	-24.35	-0.57	8.23
		157	0.10	-2.57	-3.28	-2.65	-3.20	-0.23	-1.49	-42.60	-42.11	-1.98	4.47
		128	0.24	13.79	0.77	0.77	13.79	0.12	-11.01	-40.30	-38.12	-13.19	7.69
78	41	127	0.21	0.97	-5.04	-0.25	-3.83	-2.41	92.36	10.91	70.00	33.26	36.35
		159	0.16	3.85	1.80	3.39	2.26	-0.85	79.10	1.20	70.61	9.70	24.28
		157	0.20	5.74	-2.15	0.82	2.77	3.82	65.72	-4.11	56.82	4.80	23.29
		128	0.22	1.58	-6.17	-0.57	-4.02	3.47	79.60	5.68	55.57	29.71	34.63
78	42	127	0.20	9.04	2.78	3.97	7.86	2.45	-21.71	-49.35	-37.36	-33.71	-13.70
		159	0.11	1.08	-3.88	-0.30	-2.50	2.23	-14.25	-43.49	-42.65	-15.10	-4.90
		157	0.06	-0.98	-2.03	-1.26	-1.76	0.46	-7.94	-33.15	-30.36	-10.73	-7.91
		128	0.16	7.49	0.78	0.96	7.31	-1.07	-11.55	-49.16	-24.92	-35.79	-18.00
78	43	127	0.45	16.98	3.37	6.98	13.37	6.01	119.32	-7.96	59.77	51.59	63.51
		159	0.28	8.28	-0.83	4.96	2.49	4.38	85.72	3.15	60.93	27.94	37.84
		157	0.14	-0.51	-3.43	-2.50	-1.44	1.36	43.15	-26.60	0.76	15.78	34.05
		128	0.40	13.18	-1.06	0.14	11.98	3.95	89.41	-43.00	0.19	46.22	62.07
78	44	127	0.45	20.18	3.86	7.84	16.20	7.01	85.94	-16.11	34.20	35.64	51.02
		159	0.26	7.94	-2.58	4.12	1.23	5.06	59.16	-2.62	34.55	21.99	30.24
		157	0.12	-2.29	-3.33	-2.98	-2.64	0.49	27.11	-34.74	-19.59	11.96	26.60
		128	0.38	15.31	-0.03	0.52	14.76	2.85	61.78	-49.70	-18.99	31.07	49.81
78	45	127	0.16	0.86	-7.08	-1.09	-5.12	-3.42	15.35	-13.37	14.79	-12.81	-3.95
		159	0.06	1.66	-1.43	0.58	-0.35	-1.47	11.91	-13.07	11.70	-12.86	2.27
		157	0.12	4.82	-1.47	1.14	2.21	3.10	34.33	-9.17	34.30	-9.14	1.17

		128	0.14	-0.20	-5.11	-0.32	-5.00	0.74	37.52	-15.63	36.44	-14.55 -7.49
78	46	127	0.14	1.36	-3.89	-0.23	-2.30	-2.42	-1.03	-38.51	-10.78	-28.76-16.44
		159	0.06	0.11	-1.97	-0.25	-1.60	-0.79	-11.03	-22.46	-14.68	-18.81 -5.33
		157	0.09	3.07	-1.39	0.67	1.01	2.23	15.34	-14.36	13.95	-12.96 -6.29
		128	0.12	0.12	-2.27	0.06	-2.21	-0.36	24.46	-36.91	17.26	-29.71-19.76
78	47	127	0.45	16.93	3.40	6.91	13.41	5.93	118.59	-7.79	59.75	51.06 63.04
		159	0.28	8.24	-0.84	4.98	2.42	4.36	85.46	3.54	61.20	27.80 37.40
		157	0.14	-0.59	-3.41	-2.50	-1.50	1.32	43.06	-26.57	0.86	15.63 34.02
		128	0.40	13.22	-1.04	0.14	12.04	3.94	89.29	-43.19	0.12	45.99 62.14
78	48	127	0.45	20.23	3.84	7.90	16.16	7.08	86.69	-16.30	34.23	36.17 51.49
		159	0.26	7.98	-2.57	4.11	1.30	5.08	59.49	-3.08	34.28	22.13 30.69
		157	0.12	-2.21	-3.35	-2.99	-2.57	0.53	27.23	-34.81	-19.69	12.11 26.63
		128	0.38	15.26	-0.05	0.51	14.71	2.86	61.91	-49.53	-18.92	31.31 49.74
78	49	127	0.16	0.88	-7.13	-1.16	-5.09	-3.49	15.44	-14.02	14.77	-13.34 -4.42
		159	0.06	1.67	-1.49	0.60	-0.41	-1.49	12.10	-13.13	11.97	-13.00 1.83
		157	0.12	4.75	-1.45	1.15	2.15	3.06	34.43	-9.32	34.40	-9.29 1.13
		128	0.14	-0.20	-5.05	-0.31	-4.94	0.73	37.43	-15.85	36.37	-14.79 -7.42
78	50	127	0.14	1.33	-3.84	-0.17	-2.33	-2.35	-1.28	-37.70	-10.75	-28.23-15.97
		159	0.06	0.09	-1.90	-0.27	-1.54	-0.77	-11.59	-22.03	-14.95	-18.67 -4.88
		157	0.10	3.14	-1.41	0.66	1.08	2.27	15.24	-14.20	13.85	-12.81 -6.25
		128	0.12	0.11	-2.32	0.05	-2.27	-0.35	24.60	-36.74	17.33	-29.47-19.83
78	51	127	0.44	16.93	3.37	6.91	13.39	5.96	115.68	-7.42	58.60	49.66 61.38
		159	0.28	8.23	-0.81	4.88	2.54	4.37	84.07	2.66	60.28	26.45 37.02
		157	0.14	-0.60	-3.43	-2.52	-1.51	1.32	42.84	-25.68	2.45	14.70 33.71
		128	0.40	13.13	-1.45	-0.33	12.01	3.88	87.93	-41.35	1.19	45.39 60.74
78	52	127	0.44	20.13	3.86	7.77	16.22	6.96	82.26	-15.53	33.03	33.70 48.90
		159	0.25	7.89	-2.57	4.04	1.28	5.04	57.37	-2.98	33.90	20.50 29.42
		157	0.11	-2.39	-3.32	-3.00	-2.71	0.45	26.42	-33.45	-17.90	10.88 26.25
		128	0.38	15.30	-0.46	0.05	14.79	2.78	60.27	-48.02	-18.00	30.24 48.47
78	53	127	0.15	0.86	-7.03	-1.03	-5.14	-3.37	16.09	-11.00	15.96	-10.88 -1.83
		159	0.06	1.68	-1.41	0.67	-0.40	-1.46	12.75	-11.77	12.35	-11.37 3.09
		157	0.12	4.92	-1.47	1.16	2.28	3.14	32.66	-8.11	32.61	-8.06 1.51
		128	0.15	0.27	-5.15	0.15	-5.03	0.80	36.20	-14.48	35.44	-13.72 -6.16
78	54	127	0.13	1.36	-3.84	-0.17	-2.31	-2.37	-1.51	-34.93	-9.61	-26.83-14.32
		159	0.06	0.16	-1.99	-0.17	-1.65	-0.78	-10.88	-20.47	-14.02	-17.32 -4.50
		157	0.09	3.16	-1.39	0.68	1.09	2.27	13.64	-13.27	12.25	-11.88 -5.94
		128	0.12	0.56	-2.28	0.53	-2.25	-0.29	22.83	-35.45	16.26	-28.88-18.43
78	55	127	0.44	16.88	3.39	6.85	13.43	5.89	114.95	-7.25	58.57	49.13 60.92
		159	0.28	8.19	-0.83	4.90	2.47	4.34	83.81	3.05	60.55	26.31 36.58
		157	0.14	-0.68	-3.41	-2.52	-1.57	1.28	42.75	-25.65	2.55	14.55 33.67
		128	0.40	13.18	-1.43	-0.32	12.07	3.87	87.81	-41.54	1.12	45.16 60.81
78	56	127	0.45	20.18	3.83	7.84	16.18	7.03	83.01	-15.72	33.06	34.23 49.36
		159	0.26	7.92	-2.56	4.02	1.35	5.07	57.70	-3.43	33.63	20.64 29.87
		157	0.11	-2.31	-3.34	-3.01	-2.64	0.48	26.54	-33.51	-18.00	11.03 26.29
		128	0.38	15.25	-0.47	0.04	14.74	2.80	60.40	-47.84	-17.93	30.48 48.41
78	57	127	0.15	0.88	-7.08	-1.09	-5.10	-3.44	16.13	-11.60	15.94	-11.41 -2.30
		159	0.06	1.70	-1.47	0.69	-0.46	-1.48	12.91	-11.80	12.62	-11.51 2.65
		157	0.11	4.84	-1.46	1.17	2.22	3.10	32.76	-8.27	32.70	-8.21 1.48
		128	0.15	0.28	-5.09	0.16	-4.97	0.79	36.11	-14.70	35.37	-13.96 -6.09
78	58	127	0.13	1.33	-3.79	-0.10	-2.35	-2.30	-1.76	-34.12	-9.58	-26.30-13.85
		159	0.06	0.14	-1.92	-0.19	-1.59	-0.75	-11.43	-20.05	-14.29	-17.18 -4.06
		157	0.09	3.23	-1.40	0.68	1.15	2.31	13.54	-13.11	12.15	-11.73 -5.91
		128	0.12	0.55	-2.33	0.52	-2.30	-0.28	22.96	-35.27	16.33	-28.64-18.50
78	59	127	0.26	4.93	1.82	3.15	3.60	1.54	116.78	4.74	73.86	47.66 54.47
		159	0.22	5.39	1.98	4.41	2.96	1.54	91.12	3.96	74.48	20.60 34.26
		157	0.18	3.42	-2.85	-0.67	1.24	2.99	57.48	-9.72	36.24	11.52 31.24
		128	0.29	5.58	-3.26	-0.47	2.79	4.11	91.12	-13.22	35.26	42.63 52.04
78	60	127	0.25	15.53	3.52	6.02	13.03	4.88	4.72	-21.61	-11.38	-5.51 12.84
		159	0.14	4.25	-3.86	1.61	-1.22	3.80	5.07	-17.76	-13.45	0.77 8.93
		157	0.08	-2.25	-2.77	-2.26	-2.76	0.08	0.06	-32.88	-31.59	-1.23 6.39
		128	0.21	12.09	0.78	0.80	12.07	0.44	-3.04	-33.53	-28.69	-7.88 11.14
78	61	127	0.16	1.24	-2.47	0.73	-1.95	-1.29	82.14	6.57	60.37	28.34 34.23
		159	0.15	3.14	2.06	3.09	2.11	-0.21	68.90	-0.83	59.71	8.36 23.59
		157	0.18	5.02	-2.26	0.42	2.33	3.51	55.23	-4.88	46.30	4.05 21.38
		128	0.19	1.80	-4.71	-0.60	-2.30	3.14	68.28	2.25	46.14	24.40 31.17
78	62	127	0.17	8.36	2.72	3.60	7.48	2.05	-17.45	-32.25	-24.87	-24.83 -7.40
		159	0.09	1.48	-3.25	0.30	-2.07	2.04	-11.29	-28.40	-28.22	-11.47 -1.74
		157	0.05	-0.77	-2.06	-1.17	-1.66	0.60	-7.82	-22.42	-21.53	-8.70 -3.48
		128	0.14	7.02	0.62	0.67	6.97	-0.52	-11.39	-32.54	-17.82	-26.11 -9.73
78	63	127	0.26	4.91	1.82	3.13	3.60	1.53	115.72	4.87	73.51	47.08 53.83
		159	0.22	5.37	1.98	4.38	2.97	1.54	90.68	3.75	74.28	20.16 34.01
		157	0.18	3.39	-2.85	-0.68	1.22	2.98	57.63	-9.68	36.75	11.20 31.14

		128	0.29	5.52	-3.33	-0.61	2.80	4.09	90.72	-12.78	35.56	42.38	51.64
78	64	127	0.25	15.52	3.52	6.00	13.03	4.86	3.61	-21.43	-11.73	-6.09	12.20
		159	0.14	4.24	-3.85	1.59	-1.21	3.79	4.48	-17.81	-13.65	0.32	8.68
		157	0.08	-2.26	-2.79	-2.27	-2.78	0.07	-0.27	-32.37	-31.09	-1.55	6.28
		128	0.21	12.09	0.65	0.66	12.08	0.42	-3.49	-33.03	-28.39	-8.13	10.74
78	65	127	0.16	1.25	-2.46	0.74	-1.96	-1.27	83.14	6.50	60.72	28.92	34.86
		159	0.15	3.16	2.05	3.12	2.09	-0.21	69.30	-0.58	59.90	8.81	23.83
		157	0.18	5.04	-2.26	0.43	2.35	3.52	54.92	-4.76	45.79	4.37	21.48
		128	0.19	1.91	-4.68	-0.46	-2.31	3.16	68.54	1.94	45.84	24.64	31.57
78	66	127	0.16	8.37	2.72	3.62	7.47	2.06	-17.62	-31.15	-24.52	-24.25	-6.76
		159	0.09	1.50	-3.26	0.33	-2.09	2.05	-10.90	-28.16	-28.03	-11.03	-1.50
		157	0.05	-0.74	-2.06	-1.16	-1.64	0.61	-7.59	-22.83	-22.04	-8.38	-3.38
		128	0.14	7.00	0.77	0.81	6.96	-0.50	-11.89	-32.09	-18.11	-25.86	-9.33
78	67	127	0.25	4.69	1.97	2.93	3.72	1.30	114.54	5.12	73.77	45.89	52.91
		159	0.22	5.30	1.91	4.47	2.74	1.47	90.61	4.90	75.37	20.14	32.77
		157	0.18	3.17	-2.80	-0.66	1.02	2.86	57.44	-9.86	36.57	11.01	31.13
		128	0.29	5.68	-3.14	-0.44	2.98	4.07	90.81	-13.95	35.02	41.84	52.27
78	68	127	0.26	15.67	3.46	6.23	12.90	5.11	7.37	-22.40	-11.29	-3.75	14.40
		159	0.14	4.36	-3.81	1.55	-1.01	3.88	6.44	-19.56	-14.35	1.23	10.41
		157	0.08	-2.17	-2.66	-2.28	-2.54	0.21	0.59	-33.23	-31.93	-0.71	6.50
		128	0.21	11.90	0.75	0.77	11.88	0.48	-2.50	-33.04	-28.45	-7.09	10.92
78	69	127	0.16	1.26	-2.58	0.51	-1.82	-1.52	80.18	6.67	60.28	26.57	32.67
		159	0.15	3.22	1.83	3.15	1.89	-0.29	68.64	-0.14	60.60	7.90	22.10
		157	0.18	4.76	-2.21	0.44	2.12	3.38	55.36	-5.19	46.63	3.53	21.26
		128	0.19	1.86	-4.54	-0.57	-2.11	3.11	68.07	1.44	45.90	23.61	31.40
78	70	127	0.16	8.47	2.69	3.81	7.35	2.28	-18.02	-29.83	-24.78	-23.07	-5.84
		159	0.09	1.56	-3.18	0.24	-1.86	2.12	-11.01	-29.12	-29.12	-11.01	-0.26
		157	0.05	-0.58	-2.06	-1.18	-1.45	0.73	-7.40	-22.65	-21.87	-8.19	-3.36
		128	0.14	6.82	0.60	0.64	6.79	-0.48	-10.77	-32.13	-17.57	-25.32	-9.95
78	71	127	0.25	4.67	1.97	2.92	3.73	1.29	113.49	5.24	73.42	45.31	52.27
		159	0.22	5.29	1.91	4.44	2.76	1.46	90.18	4.68	75.17	19.69	32.53
		157	0.18	3.14	-2.80	-0.66	1.00	2.85	57.60	-9.83	37.08	10.68	31.02
		128	0.29	5.63	-3.22	-0.58	2.99	4.05	90.42	-13.51	35.32	41.59	51.87
78	72	127	0.26	15.66	3.46	6.21	12.90	5.10	6.26	-22.22	-11.64	-4.33	13.76
		159	0.14	4.34	-3.81	1.53	-0.99	3.87	5.85	-19.61	-14.54	0.78	10.17
		157	0.08	-2.19	-2.66	-2.28	-2.57	0.19	0.26	-32.71	-31.42	-1.03	6.40
		128	0.21	11.91	0.61	0.63	11.89	0.46	-2.95	-32.54	-28.15	-7.34	10.52
78	73	127	0.16	1.27	-2.56	0.53	-1.83	-1.51	81.17	6.62	60.63	27.15	33.30
		159	0.15	3.24	1.82	3.18	1.88	-0.29	69.03	0.12	60.80	8.35	22.35
		157	0.18	4.79	-2.21	0.44	2.14	3.39	55.04	-5.06	46.13	3.85	21.36
		128	0.19	1.96	-4.52	-0.43	-2.12	3.13	68.33	1.12	45.60	23.86	31.80
78	74	127	0.16	8.48	2.69	3.83	7.35	2.30	-18.16	-28.75	-24.43	-22.49	-5.20
		159	0.09	1.58	-3.19	0.27	-1.87	2.13	-10.56	-28.92	-28.92	-10.56	-0.01
		157	0.05	-0.55	-2.05	-1.18	-1.43	0.74	-7.16	-23.07	-22.37	-7.86	-3.26
		128	0.14	6.81	0.74	0.78	6.78	-0.46	-11.27	-31.68	-17.87	-25.08	-9.55
78	75	127	0.40	15.17	3.20	6.36	12.02	5.28	106.11	-7.65	53.71	44.74	56.70
		159	0.26	7.44	-0.79	4.51	2.14	3.94	76.59	1.77	54.41	23.95	34.17
		157	0.13	-0.21	-3.25	-2.23	-1.23	1.44	38.73	-23.54	1.86	13.33	30.60
		128	0.36	11.85	-0.96	0.13	10.75	3.58	78.95	-37.59	1.64	39.72	55.07
78	76	127	0.40	17.82	3.60	7.07	14.35	6.11	78.39	-14.33	32.57	31.49	46.35
		159	0.23	7.16	-2.24	3.82	1.10	4.50	54.50	-2.88	32.61	19.01	27.88
		157	0.11	-1.68	-3.16	-2.62	-2.22	0.71	25.07	-29.89	-14.97	10.16	24.44
		128	0.34	13.60	-0.10	0.44	13.05	2.67	55.91	-42.99	-14.23	27.14	44.92
78	77	127	0.11	1.12	-4.72	-0.32	-3.28	-2.52	16.44	-8.68	16.42	-8.66	0.71
		159	0.05	1.40	-0.73	0.89	-0.21	-0.91	14.52	-10.76	13.64	-9.88	4.64
		157	0.11	4.21	-1.63	0.79	1.79	2.87	29.98	-7.63	29.68	-7.34	3.33
		128	0.11	0.01	-3.54	-0.24	-3.29	0.92	31.83	-10.78	31.67	-10.62	-2.60
78	78	127	0.09	1.54	-2.09	0.39	-0.94	-1.69	-0.40	-26.23	-4.72	-21.92	-9.64
		159	0.04	0.27	-1.33	0.19	-1.25	-0.35	-7.77	-15.21	-8.16	-14.82	-1.66
		157	0.08	2.76	-1.57	0.39	0.80	2.15	13.19	-10.85	12.85	-10.51	-2.84
		128	0.08	0.07	-0.99	0.07	-0.99	9.65e-03	19.61	-27.01	15.81	-23.21	-12.75
78	79	127	0.40	15.13	3.22	6.30	12.05	5.22	105.50	-7.52	53.69	44.30	56.32
		159	0.26	7.41	-0.80	4.53	2.08	3.92	76.38	2.08	54.63	23.83	33.81
		157	0.13	-0.27	-3.23	-2.23	-1.28	1.40	38.66	-23.52	1.94	13.20	30.57
		128	0.36	11.88	-0.95	0.14	10.80	3.57	78.85	-37.75	1.58	39.52	55.13
78	80	127	0.40	17.86	3.58	7.12	14.32	6.16	79.01	-14.48	32.60	31.93	46.74
		159	0.24	7.19	-2.23	3.81	1.15	4.51	54.77	-3.26	32.39	19.13	28.24
		157	0.11	-1.61	-3.18	-2.63	-2.16	0.75	25.17	-29.94	-15.06	10.29	24.46
		128	0.34	13.55	-0.11	0.44	13.01	2.68	56.02	-42.84	-14.16	27.34	44.86
78	81	127	0.11	1.14	-4.76	-0.38	-3.25	-2.58	16.40	-9.11	16.40	-9.11	0.33
		159	0.05	1.41	-0.78	0.90	-0.27	-0.93	14.61	-10.74	13.86	-10.00	4.27
		157	0.11	4.15	-1.62	0.79	1.74	2.84	30.05	-7.76	29.76	-7.47	3.30

		128	0.11	0.02	-3.49	-0.24	-3.24	0.91	31.76	-10.98	31.61	-10.82 -2.55
78	82	127	0.09	1.51	-2.04	0.44	-0.97	-1.63	-0.60	-25.57	-4.69	-21.47 -9.25
		159	0.04	0.25	-1.27	0.18	-1.20	-0.33	-8.13	-14.95	-8.38	-14.70 -1.29
		157	0.08	2.82	-1.58	0.39	0.85	2.18	13.11	-10.72	12.77	-10.38 -2.81
		128	0.08	0.06	-1.03	0.06	-1.03	0.02	19.71	-26.85	15.87	-23.00-12.81
78	83	127	0.39	15.14	3.19	6.30	12.03	5.24	103.09	-7.22	52.74	43.13 54.94
		159	0.25	7.39	-0.77	4.44	2.17	3.92	75.23	1.35	53.87	22.71 33.49
		157	0.13	-0.28	-3.25	-2.25	-1.29	1.40	38.51	-22.81	3.26	12.44 30.32
		128	0.36	11.81	-1.29	-0.26	10.78	3.53	77.72	-36.23	2.47	39.02 53.97
78	84	127	0.39	17.79	3.60	7.01	14.37	6.07	75.34	-13.86	31.60	29.88 44.60
		159	0.23	7.11	-2.22	3.75	1.14	4.48	53.04	-3.20	32.07	17.78 27.20
		157	0.11	-1.76	-3.16	-2.64	-2.28	0.68	24.56	-28.87	-13.57	9.26 24.15
		128	0.34	13.58	-0.45	0.06	13.08	2.62	54.65	-41.61	-13.40	26.44 43.82
78	85	127	0.10	1.12	-4.68	-0.27	-3.29	-2.48	17.64	-7.30	17.39	-7.05 2.47
		159	0.05	1.43	-0.73	0.96	-0.25	-0.89	15.36	-9.83	14.18	-8.65 5.32
		157	0.11	4.28	-1.63	0.80	1.85	2.91	28.65	-6.81	28.28	-6.44 3.62
		128	0.11	0.40	-3.57	0.14	-3.31	0.97	30.90	-9.98	30.84	-9.92 -1.50
78	86	127	0.09	1.54	-2.05	0.44	-0.95	-1.65	-0.60	-23.45	-3.75	-20.30 -7.88
		159	0.04	0.33	-1.36	0.26	-1.29	-0.33	-7.46	-13.74	-7.62	-13.58 -0.98
		157	0.08	2.83	-1.57	0.41	0.86	2.19	11.75	-9.92	11.45	-9.62 -2.55
		128	0.08	0.46	-1.01	0.46	-1.01	0.06	18.31	-25.83	14.98	-22.51-11.65
78	87	127	0.39	15.09	3.22	6.25	12.06	5.18	102.49	-7.09	52.72	42.69 54.56
		159	0.25	7.36	-0.78	4.46	2.12	3.90	75.02	1.67	54.09	22.60 33.12
		157	0.13	-0.35	-3.23	-2.24	-1.34	1.37	38.44	-22.79	3.34	12.31 30.29
		128	0.36	11.85	-1.27	-0.25	10.82	3.52	77.62	-36.40	2.40	38.82 54.02
78	88	127	0.40	17.82	3.58	7.07	14.34	6.13	75.96	-14.01	31.63	30.32 44.98
		159	0.23	7.14	-2.21	3.74	1.19	4.50	53.30	-3.56	31.85	17.89 27.56
		157	0.11	-1.69	-3.18	-2.64	-2.22	0.71	24.65	-28.91	-13.65	9.39 24.18
		128	0.34	13.54	-0.46	0.05	13.03	2.63	54.76	-41.46	-13.34	26.64 43.76
78	89	127	0.11	1.14	-4.72	-0.32	-3.26	-2.54	17.54	-7.67	17.37	-7.49 2.08
		159	0.05	1.45	-0.78	0.97	-0.31	-0.91	15.42	-9.78	14.41	-8.76 4.95
		157	0.11	4.22	-1.62	0.81	1.80	2.88	28.72	-6.93	28.36	-6.57 3.59
		128	0.11	0.40	-3.52	0.15	-3.27	0.96	30.83	-10.18	30.78	-10.12 -1.44
78	90	127	0.08	1.51	-2.00	0.50	-0.99	-1.59	-0.78	-22.80	-3.72	-19.86 -7.49
		159	0.04	0.31	-1.30	0.25	-1.24	-0.31	-7.77	-13.53	-7.84	-13.47 -0.61
		157	0.08	2.89	-1.58	0.40	0.91	2.22	11.67	-9.79	11.37	-9.49 -2.52
		128	0.08	0.45	-1.06	0.45	-1.06	0.07	18.41	-25.67	15.04	-22.31-11.71
78	91	127	0.24	5.19	1.93	3.19	3.93	1.58	104.01	2.82	65.31	41.51 49.18
		159	0.21	5.05	1.52	4.05	2.52	1.59	80.98	2.46	65.58	17.87 31.18
		157	0.17	3.04	-2.77	-0.71	0.99	2.78	50.73	-9.70	31.23	9.81 28.25
		128	0.26	5.50	-2.71	-0.37	3.15	3.71	80.55	-13.11	30.65	36.78 46.73
78	92	127	0.24	13.97	3.32	5.56	11.73	4.34	10.84	-18.64	-5.13	-2.67 14.68
		159	0.13	4.11	-3.30	1.74	-0.93	3.45	8.20	-13.89	-7.09	1.41 10.19
		157	0.07	-1.77	-2.57	-2.03	-2.32	0.38	1.46	-27.12	-24.87	-0.78 7.70
		128	0.19	10.87	0.63	0.68	10.82	0.68	1.76	-29.15	-22.22	-5.16 12.89
78	93	127	0.13	1.45	-0.93	1.18	-0.66	-0.76	75.22	4.40	54.13	25.49 32.38
		159	0.14	2.98	1.80	2.96	1.82	0.14	62.45	-1.38	53.35	7.72 22.32
		157	0.16	4.36	-2.28	0.19	1.89	3.21	48.54	-5.36	39.58	3.60 20.07
		128	0.18	2.15	-3.69	-0.48	-1.06	2.91	61.44	-0.10	39.67	21.68 29.43
78	94	127	0.15	8.04	2.66	3.56	7.14	2.00	-15.08	-19.93	-16.32	-18.69 -2.11
		159	0.07	1.81	-2.80	0.65	-1.64	2.00	-8.57	-19.49	-19.32	-8.74 1.33
		157	0.05	-0.45	-2.09	-1.12	-1.41	0.81	-6.96	-16.55	-16.52	-6.99 -0.49
		128	0.13	6.61	0.57	0.57	6.61	-0.12	-11.09	-22.39	-13.21	-20.27 -4.41
78	95	127	0.24	5.17	1.94	3.17	3.94	1.57	103.14	2.92	65.02	41.03 48.65
		159	0.20	5.03	1.53	4.03	2.53	1.58	80.62	2.30	65.42	17.50 30.98
		157	0.17	3.02	-2.77	-0.72	0.97	2.77	50.85	-9.66	31.65	9.54 28.17
		128	0.26	5.46	-2.78	-0.48	3.16	3.69	80.22	-12.74	30.90	36.57 46.40
78	96	127	0.23	13.96	3.32	5.55	11.73	4.33	9.91	-18.49	-5.43	-3.15 14.16
		159	0.13	4.09	-3.29	1.72	-0.92	3.45	7.71	-13.93	-7.26	1.04 9.99
		157	0.07	-1.79	-2.58	-2.03	-2.33	0.36	1.20	-26.71	-24.45	-1.05 7.61
		128	0.19	10.87	0.52	0.56	10.83	0.66	1.38	-28.72	-21.97	-5.37 12.56
78	97	127	0.13	1.46	-0.92	1.20	-0.66	-0.74	76.05	4.35	54.42	25.98 32.91
		159	0.14	3.00	1.79	2.98	1.81	0.14	62.79	-1.19	53.51	8.09 22.53
		157	0.16	4.39	-2.28	0.20	1.91	3.22	48.30	-5.27	39.16	3.87 20.16
		128	0.18	2.23	-3.66	-0.37	-1.07	2.93	61.67	-0.37	39.42	21.89 29.76
78	98	127	0.14	8.05	2.67	3.58	7.14	2.02	-15.20	-19.04	-16.03	-18.20 -1.59
		159	0.07	1.83	-2.80	0.68	-1.65	2.00	-8.15	-19.38	-19.16	-8.37 1.54
		157	0.05	-0.43	-2.09	-1.12	-1.39	0.82	-6.70	-16.96	-16.94	-6.72 -0.40
		128	0.13	6.61	0.68	0.68	6.60	-0.10	-11.51	-22.01	-13.46	-20.06 -4.08
78	99	127	0.23	5.01	2.04	3.01	4.04	1.39	102.16	3.12	65.24	40.03 47.89
		159	0.20	4.98	1.47	4.10	2.35	1.52	80.55	3.25	66.32	17.48 29.96
		157	0.16	2.83	-2.73	-0.70	0.81	2.68	50.69	-9.82	31.50	9.37 28.16

		128	0.26	5.59	-2.62	-0.34	3.31	3.68	80.28	-13.72	30.45	36.11	46.92
78	100	127	0.24	14.09	3.27	5.74	11.62	4.54	12.97	-19.21	-5.06	-1.18	15.97
		159	0.14	4.19	-3.26	1.69	-0.76	3.52	9.37	-15.41	-7.83	1.80	11.42
		157	0.08	-1.61	-2.57	-2.04	-2.14	0.48	1.89	-27.39	-25.14	-0.35	7.79
		128	0.19	10.72	0.60	0.65	10.67	0.71	2.18	-28.68	-22.02	-4.49	12.70
78	101	127	0.13	1.46	-1.00	1.01	-0.55	-0.95	73.56	4.50	54.05	24.01	31.09
		159	0.14	3.02	1.64	3.01	1.64	0.07	62.20	-0.78	54.09	7.33	21.10
		157	0.16	4.16	-2.24	0.20	1.71	3.11	48.63	-5.61	39.85	3.17	19.97
		128	0.18	2.21	-3.57	-0.46	-0.90	2.88	61.25	-0.78	39.46	21.01	29.61
78	102	127	0.14	8.14	2.64	3.73	7.04	2.20	-15.77	-17.68	-16.25	-17.21	-0.82
		159	0.07	1.88	-2.74	0.60	-1.46	2.07	-7.82	-20.60	-20.06	-8.35	2.56
		157	0.05	-0.27	-2.10	-1.14	-1.23	0.91	-6.54	-16.81	-16.79	-6.55	-0.39
		128	0.13	6.46	0.54	0.54	6.46	-0.09	-10.64	-21.96	-13.01	-19.59	-4.60
78	103	127	0.23	4.99	2.05	2.99	4.04	1.38	101.28	3.21	64.95	39.55	47.36
		159	0.20	4.97	1.47	4.08	2.36	1.52	80.19	3.08	66.16	17.11	29.75
		157	0.16	2.81	-2.73	-0.71	0.79	2.66	50.81	-9.79	31.92	9.10	28.07
		128	0.26	5.55	-2.69	-0.46	3.32	3.66	79.96	-13.36	30.70	35.90	46.59
78	104	127	0.24	14.08	3.27	5.72	11.63	4.53	12.04	-19.06	-5.35	-1.67	15.45
		159	0.14	4.18	-3.25	1.67	-0.74	3.52	8.88	-15.45	-8.00	1.43	11.22
		157	0.07	-1.63	-2.58	-2.05	-2.16	0.47	1.63	-26.97	-24.72	-0.62	7.71
		128	0.19	10.72	0.49	0.54	10.68	0.69	1.79	-28.26	-21.77	-4.70	12.37
78	105	127	0.14	1.46	-0.99	1.02	-0.55	-0.94	74.39	4.45	54.34	24.49	31.62
		159	0.14	3.04	1.63	3.03	1.63	0.07	62.53	-0.57	54.25	7.70	21.30
		157	0.16	4.18	-2.24	0.21	1.73	3.12	48.38	-5.51	39.43	3.44	20.06
		128	0.18	2.28	-3.53	-0.34	-0.91	2.89	61.48	-1.05	39.22	21.22	29.94
78	106	127	0.14	8.15	2.64	3.75	7.03	2.21	-15.85	-16.82	-15.96	-16.72	-0.30
		159	0.08	1.90	-2.74	0.63	-1.47	2.07	-7.37	-20.51	-19.90	-7.98	2.76
		157	0.05	-0.25	-2.10	-1.13	-1.22	0.92	-6.27	-17.22	-17.21	-6.28	-0.31
		128	0.13	6.45	0.66	0.66	6.45	-0.07	-11.06	-21.58	-13.25	-19.38	-4.27
79	1	128	0.07	1.27	-0.07	-0.06	1.26	0.10	11.97	-28.84	2.70	-19.57	17.09
		157	0.03	0.29	-0.28	-0.26	0.27	0.10	19.67	5.01	9.63	15.05	-6.81
		158	0.08	0.30	-0.23	-0.21	0.28	0.10	5.26	-42.76	-42.19	4.69	5.21
		7	0.11	1.28	-0.03	-0.02	1.27	0.10	-8.88	-70.17	-49.11	-29.94	29.10
79	2	128	0.37	7.74	-0.44	-0.40	7.70	0.56	39.73	-151.60	-8.92	-102.96	83.31
		157	0.21	1.81	-1.69	-1.59	1.72	0.56	118.92	8.79	31.02	96.70	-44.20
		158	0.49	1.92	-1.22	-1.12	1.81	0.56	43.58	-247.62	-245.44	41.41	25.07
		7	0.62	7.83	0.03	0.07	7.79	0.56	-56.53	-387.09	-285.37	-158.25	
152.57													
79	3	128	0.05	0.85	-0.04	-0.04	0.85	0.07	8.68	-19.87	2.30	-13.48	11.90
		157	0.02	0.19	-0.19	-0.17	0.18	0.07	13.30	3.74	7.00	10.04	-4.53
		158	0.06	0.20	-0.16	-0.15	0.19	0.07	3.33	-29.03	-28.62	2.91	3.63
		7	0.08	0.86	-0.02	-0.02	0.85	0.07	-5.92	-48.00	-33.32	-20.61	20.06
79	4	128	0.35	7.32	-0.41	-0.38	7.29	0.52	36.45	-142.64	-9.32	-96.87	78.12
		157	0.20	1.72	-1.60	-1.51	1.63	0.52	112.56	7.51	28.39	91.68	-41.92
		158	0.47	1.82	-1.15	-1.06	1.72	0.52	41.65	-233.89	-231.87	39.63	23.49
		7	0.59	7.41	0.04	0.08	7.38	0.52	-53.56	-364.94	-269.58	-148.92	
143.53													
79	5	128	0.05	0.92	-0.05	-0.04	0.92	0.07	8.98	-21.18	2.17	-14.37	12.61
		157	0.02	0.21	-0.20	-0.19	0.20	0.07	14.33	3.81	7.23	10.91	-4.93
		158	0.06	0.22	-0.17	-0.16	0.20	0.07	3.73	-31.21	-30.79	3.31	3.84
		7	0.08	0.93	-0.02	-0.01	0.92	0.07	-6.44	-51.38	-35.84	-21.97	21.37
79	6	128	0.25	5.23	-0.30	-0.27	5.21	0.38	27.48	-103.01	-5.57	-69.96	56.75
		157	0.14	1.22	-1.14	-1.08	1.16	0.38	80.46	6.37	21.49	65.34	-29.86
		158	0.33	1.30	-0.83	-0.76	1.23	0.38	29.28	-167.78	-166.29	27.78	17.08
		7	0.42	5.30	0.02	0.05	5.27	0.38	-38.22	-262.65	-193.35	-107.52	
103.69													
79	7	128	0.05	0.92	-0.05	-0.04	0.92	0.07	8.98	-21.18	2.17	-14.37	12.61
		157	0.02	0.21	-0.20	-0.19	0.20	0.07	14.33	3.81	7.23	10.91	-4.93
		158	0.06	0.22	-0.17	-0.16	0.20	0.07	3.73	-31.21	-30.79	3.31	3.84
		7	0.08	0.93	-0.02	-0.01	0.92	0.07	-6.44	-51.38	-35.84	-21.97	21.37
79	8	128	0.19	3.94	-0.22	-0.20	3.92	0.29	21.92	-78.45	-3.25	-53.28	43.51
		157	0.11	0.92	-0.86	-0.81	0.87	0.29	60.56	5.66	17.21	49.01	-22.38
		158	0.25	0.97	-0.63	-0.58	0.92	0.29	21.61	-126.80	-125.64	20.44	13.11
		7	0.32	3.99	7.68e-03	0.03	3.97	0.29	-28.70	-199.25	-146.10	-81.85	78.99
79	9	128	0.05	0.92	-0.05	-0.04	0.92	0.07	8.98	-21.18	2.17	-14.37	12.61
		157	0.02	0.21	-0.20	-0.19	0.20	0.07	14.33	3.81	7.23	10.91	-4.93
		158	0.06	0.22	-0.17	-0.16	0.20	0.07	3.73	-31.21	-30.79	3.31	3.84
		7	0.08	0.93	-0.02	-0.01	0.92	0.07	-6.44	-51.38	-35.84	-21.97	21.37
79	10	128	0.17	3.51	-0.20	-0.18	3.49	0.26	20.07	-70.27	-2.47	-47.73	39.09
		157	0.09	0.82	-0.76	-0.72	0.78	0.26	53.93	5.42	15.79	43.57	-19.88
		158	0.22	0.86	-0.57	-0.52	0.82	0.26	19.05	-113.15	-112.09	17.99	11.79
		7	0.29	3.55	3.75e-03	0.02	3.53	0.26	-25.53	-178.12	-130.35	-73.30	70.76

79	11	128	0.58	9.53	-1.50	-1.22	9.25	1.74	229.41	-58.81	21.22	149.37
129.08												
		157	0.11	2.66	-2.69	-2.24	2.21	1.49	25.05	0.22	0.81	24.46 3.80
		158	0.52	1.93	-2.33	-2.30	1.91	-0.32	-25.18	-289.13	-282.98	-31.34-39.83
		7	0.73	9.25	-0.94	-0.94	9.25	-0.04	126.19	-286.46	-268.45	108.18 84.31
79	12	128	0.38	7.05	-1.81	-1.77	7.01	0.62	133.49	-49.68	-3.69	87.50 79.43
		157	0.14	2.03	-2.83	-2.61	1.82	0.99	10.84	-34.93	-29.13	5.04 15.22
		158	0.33	2.50	-0.90	-0.90	2.50	-6.25e-03	-14.33	-186.69	-184.19	-16.83-20.60
		7	0.42	7.26	0.02	0.05	7.23	-0.46	48.23	-172.86	-168.94	44.31 29.18
79	13	128	0.32	1.42	-0.03	1.41	-0.02	-0.11	-1.25	-182.96	-1.26	-182.95 -1.24
		157	0.21	1.32	-0.41	1.17	-0.26	-0.48	127.42	15.37	60.70	82.10-54.99
		158	0.19	0.13	-1.14	-0.14	-0.87	0.52	70.48	-57.65	-39.99	52.81 44.17
		7	0.45	0.89	-1.06	-3.92e-03	-0.16	0.97	-18.54	-264.13	-91.76	-190.91
112.34												
79	14	128	0.47	1.29	-2.69	0.86	-2.27	-1.23	-14.90	-256.09	-26.17	-244.82-50.90
		157	0.17	1.29	-1.15	0.80	-0.65	-0.98	93.12	0.31	30.76	62.67-43.57
		158	0.24	1.62	-0.64	1.26	-0.27	0.83	126.60	-0.48	58.81	67.32 63.40
		7	0.51	1.08	-2.28	0.99	-2.19	0.55	19.68	-266.71	7.75	-254.78 57.21
79	15	128	0.57	9.48	-1.52	-1.24	9.20	1.71	225.55	-58.95	20.95	145.65
127.86												
		157	0.11	2.66	-2.67	-2.21	2.20	1.50	24.56	0.11	0.77	23.89 3.97
		158	0.51	1.94	-2.30	-2.28	1.92	-0.30	-24.97	-285.43	-279.66	-30.74-38.33
		7	0.72	9.21	-0.93	-0.93	9.21	-0.05	122.98	-283.24	-265.41	105.15 83.20
79	16	128	0.38	7.10	-1.79	-1.74	7.06	0.65	137.41	-49.60	-3.42	91.23 80.65
		157	0.14	2.03	-2.85	-2.65	1.82	0.98	11.22	-34.71	-29.09	5.60 15.05
		158	0.34	2.49	-0.92	-0.92	2.49	-0.03	-14.60	-190.33	-187.51	-17.42-22.10
		7	0.43	7.29	5.95e-03	0.03	7.26	-0.44	51.45	-176.08	-171.97	47.34 30.29
79	17	128	0.32	1.40	-0.09	1.39	-0.07	-0.14	-1.50	-186.71	-1.53	-186.68 -2.47
		157	0.21	1.34	-0.41	1.20	-0.27	-0.47	126.90	15.29	60.66	81.53-54.82
		158	0.19	0.16	-1.14	-0.12	-0.86	0.54	72.51	-55.77	-36.66	53.41 45.67
		7	0.45	0.87	-1.06	0.01	-0.20	0.95	-18.28	-264.38	-88.72	-193.94
111.24												
79	18	128	0.46	1.30	-2.63	0.89	-2.22	-1.20	-14.99	-252.01	-25.90	-241.10-49.67
		157	0.18	1.27	-1.15	0.77	-0.65	-0.98	93.67	0.36	30.80	63.24-43.74
		158	0.23	1.59	-0.63	1.24	-0.29	0.81	123.26	-1.05	55.48	66.73 61.90
		7	0.50	1.07	-2.25	0.97	-2.15	0.56	17.36	-264.39	4.72	-251.75 58.32
79	19	128	0.55	9.25	-1.54	-1.26	8.97	1.72	216.00	-63.14	20.25	132.60
127.77												
		157	0.11	2.58	-2.69	-2.25	2.15	1.45	27.05	3.48	3.73	26.80 2.42
		158	0.51	1.89	-2.33	-2.30	1.86	-0.30	-23.45	-287.32	-282.61	-28.17-34.97
		7	0.75	8.97	-0.99	-0.99	8.97	-0.03	124.17	-305.26	-272.40	91.32
114.14												
79	20	128	0.35	6.77	-1.85	-1.81	6.73	0.60	119.77	-53.70	-4.66	70.73 78.11
		157	0.13	1.95	-2.82	-2.63	1.76	0.95	12.35	-31.19	-26.21	7.38 13.85
		158	0.33	2.46	-0.90	-0.90	2.46	8.89e-03	-12.22	-185.26	-183.82	-13.67-15.74
		7	0.42	6.98	-0.02	4.50e-03	6.95	-0.45	43.54	-188.98	-172.89	27.45 59.01
79	21	128	0.29	1.46	0.25	1.46	0.26	-0.09	-0.29	-166.18	-0.29	-166.18 0.07
		157	0.21	1.31	-0.33	1.18	-0.20	-0.44	123.50	14.04	57.79	79.75-53.61
		158	0.18	0.12	-1.09	-0.14	-0.83	0.50	64.40	-55.11	-40.36	49.65 39.31
		7	0.36	1.04	-0.89	0.04	0.11	0.96	-37.82	-224.03	-87.80	-174.05 82.51
79	22	128	0.44	1.34	-2.43	0.90	-1.99	-1.21	-13.73	-239.52	-25.20	-228.05-49.58
		157	0.17	1.28	-1.07	0.81	-0.59	-0.94	89.30	-1.12	27.84	60.33-42.19
		158	0.22	1.62	-0.59	1.26	-0.23	0.81	119.90	2.69	58.43	64.16 58.54
		7	0.46	1.13	-2.00	1.03	-1.91	0.54	14.68	-240.89	11.71	-237.92 27.38
79	23	128	0.55	9.20	-1.56	-1.29	8.92	1.69	212.19	-63.33	19.98	128.87
126.54												
		157	0.11	2.59	-2.66	-2.22	2.14	1.46	26.53	3.39	3.69	26.24 2.60
		158	0.51	1.89	-2.30	-2.28	1.88	-0.28	-23.20	-283.66	-279.28	-27.58-33.47
		7	0.74	8.94	-0.97	-0.97	8.93	-0.04	121.02	-302.10	-269.37	88.29
113.03												
79	24	128	0.36	6.82	-1.83	-1.79	6.78	0.63	123.62	-53.55	-4.39	74.46 79.33
		157	0.13	1.96	-2.85	-2.66	1.76	0.95	12.75	-30.98	-26.18	7.95 13.67
		158	0.34	2.45	-0.92	-0.92	2.45	-9.90e-03	-12.56	-188.84	-187.14	-14.26-17.24
		7	0.43	7.01	-0.04	-0.01	6.99	-0.44	46.71	-192.16	-175.93	30.48 60.12
79	25	128	0.29	1.44	0.20	1.43	0.21	-0.12	-0.55	-169.91	-0.56	-169.91 -1.15
		157	0.21	1.34	-0.33	1.21	-0.21	-0.43	122.97	13.96	57.75	79.19-53.44
		158	0.18	0.16	-1.10	-0.12	-0.82	0.52	66.35	-53.14	-37.04	50.24 40.81
		7	0.37	1.02	-0.88	0.06	0.08	0.95	-37.34	-224.50	-84.76	-177.08 81.41
79	26	128	0.43	1.35	-2.36	0.93	-1.94	-1.18	-13.82	-235.43	-24.93	-224.32-48.36
		157	0.17	1.26	-1.07	0.78	-0.59	-0.95	89.86	-1.08	27.88	60.90-42.37
		158	0.22	1.59	-0.59	1.24	-0.24	0.79	116.54	2.14	55.11	63.56 57.04
		7	0.45	1.12	-1.97	1.02	-1.87	0.55	11.97	-238.18	8.68	-234.89 28.49

79	27	128	0.56	9.26	-0.30	0.34	8.62	2.40	218.67	-71.01	42.42	105.24
141.40												
		157	0.16	2.43	-1.24	-0.61	1.80	1.38	92.56	31.43	56.71	67.29-30.10
		158	0.57	0.28	-3.23	-3.18	0.24	-0.39	-15.19	-316.81	-313.19	-18.81-32.85
		7	0.88	8.38	-1.83	-1.77	8.31	0.81	133.09	-377.77	-322.70	78.01
158.44												
79	28	128	0.17	1.70	-2.04	-1.49	1.14	-1.33	-32.17	-109.44	-40.62	-100.99-24.12
		157	0.11	0.53	-1.89	-1.85	0.49	-0.28	3.90	-44.45	-43.10	2.55 7.97
		158	0.13	2.61	1.12	1.49	2.23	0.65	54.77	-9.11	16.12	29.55 31.22
		7	0.25	2.15	0.96	1.53	1.58	-0.60	13.33	-139.21	9.00	-134.89-25.33
79	29	128	0.36	6.47	0.50	1.13	5.84	1.84	124.01	-82.80	35.67	5.54
102.30												
		157	0.20	1.59	-0.12	0.41	1.06	0.79	127.62	31.63	74.67	84.58-47.74
		158	0.44	-0.58	-2.54	-2.53	-0.59	-0.14	6.68	-240.53	-240.29	6.44 -7.65
		7	0.73	5.66	-1.66	-1.49	5.49	1.11	70.19	-351.60	-269.69	-11.71
166.85												
79	30	128	0.40	0.77	-3.11	-0.70	-1.64	-1.88	-24.66	-223.39	-47.37	-200.69-63.21
		157	0.09	0.38	-1.45	-0.83	-0.25	-0.87	21.83	-27.12	-25.13	19.84 -9.67
		158	0.25	2.74	0.79	2.14	1.39	0.90	130.86	12.94	89.01	54.79 56.42
		7	0.48	1.84	-1.28	1.81	-1.25	-0.29	63.00	-225.61	62.01	-224.61-16.92
79	31	128	0.55	9.18	-0.31	0.33	8.54	2.39	215.13	-72.79	42.13	100.21
141.00												
		157	0.16	2.40	-1.24	-0.62	1.78	1.37	93.75	31.83	57.58	67.99-30.52
		158	0.57	0.27	-3.23	-3.18	0.23	-0.38	-14.56	-316.38	-313.08	-17.86-31.40
		7	0.89	8.29	-1.85	-1.78	8.23	0.81	134.13	-385.06	-323.89	72.96
167.39												
79	32	128	0.18	1.63	-2.07	-1.50	1.06	-1.34	-32.72	-114.22	-40.91	-106.02-24.51
		157	0.11	0.51	-1.89	-1.86	0.48	-0.29	4.48	-43.45	-42.23	3.25 7.56
		158	0.14	2.60	1.11	1.49	2.21	0.65	56.81	-10.09	16.23	30.50 32.68
		7	0.25	2.10	0.91	1.52	1.49	-0.59	9.61	-141.74	7.81	-139.95-16.38
79	33	128	0.36	6.55	0.52	1.15	5.92	1.85	126.75	-80.21	35.97	10.57
102.69												
		157	0.20	1.61	-0.12	0.41	1.08	0.80	126.43	31.24	73.80	83.88-47.33
		158	0.44	-0.57	-2.54	-2.53	-0.58	-0.14	5.83	-240.74	-240.40	5.49 -9.11
		7	0.71	5.74	-1.64	-1.47	5.57	1.11	67.54	-342.70	-268.50	-6.65
157.90												
79	34	128	0.39	0.81	-3.05	-0.69	-1.55	-1.88	-24.08	-218.66	-47.07	-195.66-62.82
		157	0.09	0.38	-1.44	-0.83	-0.23	-0.86	20.96	-27.83	-26.01	19.14 -9.25
		158	0.24	2.74	0.81	2.14	1.41	0.89	129.07	13.68	88.90	53.84 54.97
		7	0.48	1.86	-1.19	1.83	-1.16	-0.30	65.54	-221.90	63.20	-219.56-25.86
79	35	128	0.53	9.07	-0.35	0.26	8.46	2.31	206.87	-72.53	41.51	92.82
137.32												
		157	0.16	2.45	-1.17	-0.51	1.78	1.40	90.84	31.13	56.57	65.40-29.52
		158	0.55	0.31	-3.14	-3.11	0.28	-0.32	-14.13	-304.81	-302.11	-16.83-27.87
		7	0.85	8.25	-1.78	-1.72	8.19	0.76	122.91	-367.57	-312.58	67.92
154.75												
79	36	128	0.15	1.79	-1.89	-1.41	1.31	-1.24	-32.54	-95.74	-39.71	-88.57-20.04
		157	0.11	0.55	-2.00	-1.96	0.51	-0.30	5.57	-44.09	-42.97	4.44 7.39
		158	0.12	2.51	1.11	1.42	2.19	0.59	44.86	-12.26	5.04	27.57 26.24
		7	0.23	2.15	1.03	1.48	1.70	-0.55	2.56	-128.46	-1.12	-124.79-21.64
79	37	128	0.34	6.27	0.46	1.05	5.68	1.76	114.35	-86.46	34.77	-6.88 98.23
		157	0.20	1.63	-0.08	0.52	1.04	0.81	125.95	31.28	74.54	82.69-47.16
		158	0.43	-0.55	-2.47	-2.47	-0.56	-0.07	8.45	-229.25	-229.22	8.42 -2.67
		7	0.70	5.53	-1.60	-1.44	5.37	1.06	61.18	-342.57	-259.58	-21.81
163.16												
79	38	128	0.38	0.80	-2.90	-0.62	-1.48	-1.80	-25.03	-209.70	-46.46	-188.27-59.14
		157	0.10	0.38	-1.54	-0.93	-0.23	-0.89	23.88	-27.15	-25.00	21.73-10.25
		158	0.23	2.62	0.81	2.07	1.36	0.84	118.33	12.42	77.94	52.81 51.44
		7	0.45	1.78	-1.15	1.76	-1.13	-0.25	52.55	-215.17	51.89	-214.52-13.23
79	39	128	0.53	8.98	-0.36	0.25	8.38	2.30	203.40	-74.39	41.22	87.79
136.93												
		157	0.16	2.43	-1.17	-0.51	1.77	1.39	92.03	31.53	57.45	66.10-29.94
		158	0.55	0.29	-3.14	-3.11	0.26	-0.32	-13.46	-304.42	-302.00	-15.88-26.42
		7	0.86	8.17	-1.79	-1.73	8.11	0.77	124.06	-374.97	-313.77	62.86
163.70												
79	40	128	0.16	1.72	-1.92	-1.42	1.22	-1.25	-33.10	-100.51	-40.01	-93.60-20.44
		157	0.11	0.53	-2.00	-1.96	0.49	-0.31	6.15	-43.10	-42.09	5.14 6.98
		158	0.12	2.50	1.10	1.42	2.18	0.59	46.90	-13.23	5.15	28.52 27.70
		7	0.23	2.10	0.98	1.47	1.61	-0.55	-1.05	-131.10	-2.30	-129.85-12.69
79	41	128	0.35	6.35	0.48	1.06	5.76	1.76	116.94	-83.73	35.06	-1.85 98.62
		157	0.20	1.66	-0.08	0.52	1.06	0.82	124.76	30.89	73.66	81.99-46.75
		158	0.43	-0.54	-2.47	-2.47	-0.54	-0.08	7.54	-229.40	-229.33	7.47 -4.13

		7	0.68	5.61	-1.58	-1.42	5.45	1.06	58.33	-333.47	-258.39	-16.75
154.21												
79	42	128	0.37	0.84	-2.84	-0.60	-1.39	-1.79	-24.44	-204.97	-46.17	-183.24-58.75
		157	0.10	0.38	-1.52	-0.93	-0.21	-0.88	23.01	-27.85	-25.88	21.03 -9.83
		158	0.22	2.62	0.82	2.07	1.37	0.83	116.49	13.20	77.83	51.86 49.99
		7	0.44	1.80	-1.07	1.78	-1.05	-0.25	54.94	-211.32	53.08	-209.46-22.18
79	43	128	0.47	8.21	-1.22	-1.01	8.00	1.42	178.94	-57.77	15.97	105.19
109.63												
		157	0.10	2.25	-2.28	-1.93	1.89	1.22	28.46	4.10	4.16	28.41 -1.18
		158	0.45	1.69	-1.93	-1.92	1.68	-0.19	-17.06	-249.35	-245.89	-20.52-28.14
		7	0.62	8.00	-0.73	-0.73	8.00	0.03	87.87	-258.93	-238.57	67.51 81.53
79	44	128	0.31	6.28	-1.47	-1.44	6.24	0.54	104.87	-49.30	-3.75	59.31 70.34
		157	0.11	1.77	-2.39	-2.22	1.60	0.83	15.06	-21.00	-19.26	13.32 7.72
		158	0.31	2.14	-0.81	-0.81	2.14	0.05	-8.20	-168.97	-167.76	-9.41-13.90
		7	0.37	6.44	0.04	0.06	6.43	-0.30	27.78	-167.61	-159.81	19.99 38.24
79	45	128	0.26	1.08	0.74	1.08	0.74	-0.02	-0.79	-155.16	-1.19	-154.77 7.84
		157	0.18	0.88	-0.15	0.77	-0.04	-0.32	111.19	13.46	50.83	73.81-47.49
		158	0.19	0.11	-0.85	-0.23	-0.51	0.46	57.70	-68.72	-56.42	45.39 37.47
		7	0.40	1.19	-0.56	-0.01	0.64	0.81	-25.36	-242.11	-100.88	-166.59
103.28												
79	46	128	0.36	1.05	-1.41	0.65	-1.01	-0.91	-15.58	-205.98	-20.92	-200.64-31.44
		157	0.15	0.89	-0.75	0.48	-0.34	-0.71	84.72	1.42	27.41	58.73-38.59
		158	0.19	1.26	-0.42	0.88	-0.04	0.70	93.67	-15.45	21.71	56.51 51.71
		7	0.41	0.90	-1.07	0.77	-0.94	0.48	-4.91	-231.32	-22.12	-214.11 60.00
79	47	128	0.46	8.17	-1.24	-1.03	7.96	1.40	176.15	-57.84	15.76	102.55
108.65												
		157	0.10	2.26	-2.26	-1.90	1.89	1.23	28.06	4.12	4.16	28.02 -1.07
		158	0.44	1.69	-1.91	-1.90	1.68	-0.18	-16.87	-246.45	-243.22	-20.09-27.03
		7	0.61	7.98	-0.71	-0.71	7.98	0.02	85.74	-256.40	-236.16	65.50 80.72
79	48	128	0.32	6.32	-1.46	-1.42	6.28	0.56	107.69	-49.27	-3.53	61.95 71.32
		157	0.11	1.77	-2.41	-2.24	1.60	0.83	15.38	-20.94	-19.27	13.71 7.62
		158	0.31	2.13	-0.82	-0.82	2.13	0.04	-8.45	-171.81	-170.42	-9.84-15.01
		7	0.38	6.47	0.03	0.04	6.45	-0.29	29.94	-170.16	-162.22	22.00 39.05
79	49	128	0.27	1.06	0.70	1.06	0.71	-0.04	-1.11	-157.71	-1.41	-157.40 6.86
		157	0.18	0.90	-0.15	0.80	-0.05	-0.31	110.84	13.42	50.84	73.42-47.39
		158	0.19	0.14	-0.86	-0.22	-0.50	0.48	59.02	-66.95	-53.75	45.82 38.58
		7	0.40	1.17	-0.55	6.77e-04	0.61	0.80	-25.23	-241.84	-98.47	-168.60
102.48												
79	50	128	0.35	1.06	-1.37	0.67	-0.98	-0.89	-15.61	-203.09	-20.70	-198.00-30.46
		157	0.16	0.88	-0.76	0.46	-0.34	-0.72	85.09	1.44	27.41	59.12-38.70
		158	0.18	1.23	-0.42	0.86	-0.05	0.69	91.45	-16.32	19.05	56.08 50.60
		7	0.40	0.89	-1.05	0.76	-0.91	0.49	-6.55	-230.08	-24.54	-212.10 60.80
79	51	128	0.45	7.98	-1.26	-1.04	7.76	1.40	168.12	-61.53	15.13	91.46
108.30												
		157	0.10	2.19	-2.28	-1.93	1.85	1.19	30.50	6.30	6.52	30.28 -2.30
		158	0.45	1.65	-1.92	-1.91	1.64	-0.18	-15.36	-247.59	-245.04	-17.90-24.17
		7	0.63	7.77	-0.76	-0.76	7.77	0.03	87.15	-274.59	-241.27	53.82
104.62												
79	52	128	0.29	6.04	-1.51	-1.47	6.01	0.52	93.93	-52.94	-4.60	45.58 69.02
		157	0.11	1.71	-2.39	-2.22	1.55	0.80	16.50	-18.21	-16.90	15.19 6.60
		158	0.31	2.11	-0.81	-0.80	2.11	0.06	-6.17	-167.52	-166.91	-6.79 -9.93
		7	0.38	6.21	9.03e-03	0.02	6.19	-0.30	26.23	-182.43	-162.50	6.29 61.33
79	53	128	0.24	1.11	0.98	1.11	0.98	-4.69e-03	0.25	-141.63	-0.35	-141.04 9.17
		157	0.18	0.88	-0.09	0.78	6.18e-03	-0.29	108.04	12.37	48.47	71.94-46.37
		158	0.18	0.11	-0.82	-0.24	-0.47	0.45	52.96	-67.45	-57.27	42.77 33.51
		7	0.33	1.36	-0.47	0.02	0.87	0.81	-40.81	-210.27	-98.19	-152.89 80.19
79	54	128	0.33	1.10	-1.20	0.68	-0.78	-0.89	-14.80	-192.18	-20.07	-186.91-30.12
		157	0.15	0.88	-0.69	0.49	-0.29	-0.68	81.66	0.25	25.06	56.86-37.47
		158	0.18	1.25	-0.39	0.87	-7.47e-03	0.69	87.89	-13.14	20.87	53.88 47.74
		7	0.36	0.94	-0.85	0.80	-0.71	0.48	-12.19	-207.66	-19.43	-200.42 36.91
79	55	128	0.44	7.94	-1.27	-1.06	7.72	1.38	165.37	-61.64	14.91	88.82
107.32												
		157	0.10	2.19	-2.26	-1.91	1.84	1.20	30.09	6.32	6.52	29.89 -2.19
		158	0.44	1.66	-1.91	-1.90	1.65	-0.16	-15.13	-244.72	-242.38	-17.47-23.07
		7	0.63	7.74	-0.75	-0.75	7.74	0.02	85.08	-272.12	-238.85	51.81
103.81												
79	56	128	0.29	6.08	-1.49	-1.45	6.04	0.54	96.70	-52.85	-4.38	48.22 70.00
		157	0.11	1.71	-2.41	-2.25	1.55	0.79	16.83	-18.16	-16.91	15.58 6.50
		158	0.31	2.10	-0.82	-0.82	2.10	0.05	-6.47	-170.32	-169.58	-7.22-11.04
		7	0.39	6.23	-2.02e-03	0.01	6.22	-0.29	28.29	-184.90	-164.92	8.31 62.14
79	57	128	0.25	1.10	0.94	1.09	0.94	-0.02	-0.10	-144.14	-0.57	-143.67 8.19
		157	0.18	0.90	-0.09	0.81	3.60e-03	-0.28	107.70	12.33	48.48	71.55-46.27

		158	0.18	0.14	-0.82	-0.22	-0.46	0.46	54.21	-65.61	-54.60	43.20	34.61
		7	0.33	1.33	-0.46	0.03	0.84	0.80	-40.63	-210.06	-95.77	-154.91	79.39
79	58	128	0.33	1.11	-1.15	0.70	-0.74	-0.87	-14.84	-189.28	-19.85	-184.27	-29.14
		157	0.15	0.87	-0.70	0.46	-0.29	-0.69	82.03	0.26	25.05	57.25	-37.58
		158	0.17	1.22	-0.38	0.86	-0.02	0.68	85.69	-14.03	18.20	53.46	46.64
		7	0.35	0.94	-0.83	0.79	-0.68	0.49	-14.12	-206.12	-21.84	-198.41	37.71
79	59	128	0.46	7.99	-0.26	0.23	7.50	1.95	171.44	-70.73	32.98	67.73	
119.83													
		157	0.14	2.05	-1.13	-0.64	1.56	1.14	83.50	26.20	47.81	61.90	-27.77
		158	0.49	0.39	-2.64	-2.62	0.37	-0.24	-8.61	-272.54	-270.73	-10.42	-21.79
		7	0.74	7.32	-1.44	-1.39	7.26	0.69	92.99	-334.23	-282.27	41.03	
139.64													
79	60	128	0.16	1.97	-1.53	-1.21	1.66	-1.00	-30.52	-87.45	-32.78	-85.19	-11.12
		157	0.10	0.58	-1.63	-1.61	0.57	-0.17	11.70	-30.33	-30.24	11.61	1.90
		158	0.12	2.20	0.80	1.08	1.92	0.56	39.79	-23.45	-10.29	26.63	25.67
		7	0.21	2.19	1.04	1.22	2.01	-0.41	-19.51	-117.62	-19.73	-117.40	-4.64
79	61	128	0.31	5.79	0.39	0.85	5.33	1.51	100.09	-82.52	27.83	-10.26	89.30
		157	0.18	1.37	-0.22	0.17	0.98	0.68	110.89	26.44	61.81	75.52	-41.67
		158	0.40	-0.28	-2.12	-2.12	-0.29	-0.05	9.38	-213.91	-213.89	9.36	-2.10
		7	0.63	5.19	-1.31	-1.17	5.05	0.92	45.40	-315.57	-240.97	-29.20	
146.16													
79	62	128	0.30	0.88	-1.99	-0.58	-0.52	-1.44	-25.34	-175.76	-37.93	-163.18	-41.65
		157	0.09	0.34	-1.15	-0.80	-0.01	-0.63	28.46	-19.46	-16.24	25.24	-12.00
		158	0.18	2.20	0.65	1.58	1.26	0.76	91.84	1.12	46.55	46.40	45.36
		7	0.35	1.45	-0.22	1.43	-0.20	-0.18	21.60	-187.64	21.58	-187.63	1.89
79	63	128	0.45	7.92	-0.27	0.22	7.43	1.94	168.60	-72.26	32.73	63.61	
119.44													
		157	0.14	2.03	-1.12	-0.64	1.55	1.13	84.45	26.53	48.52	62.46	-28.11
		158	0.49	0.38	-2.64	-2.62	0.36	-0.24	-8.01	-272.09	-270.47	-9.63	-20.60
		7	0.75	7.25	-1.45	-1.40	7.19	0.69	93.90	-340.06	-283.08	36.92	
146.56													
79	64	128	0.16	1.91	-1.54	-1.22	1.58	-1.01	-30.77	-91.58	-33.03	-89.31	-11.51
		157	0.09	0.57	-1.63	-1.62	0.55	-0.18	12.23	-29.59	-29.53	12.17	1.56
		158	0.12	2.19	0.79	1.08	1.91	0.56	41.43	-24.06	-10.03	27.41	26.86
		7	0.21	2.12	1.03	1.21	1.94	-0.41	-20.48	-121.56	-20.53	-121.50	2.29
79	65	128	0.31	5.86	0.40	0.86	5.40	1.52	102.29	-80.34	28.08	-6.14	89.70
		157	0.17	1.39	-0.22	0.17	1.00	0.69	109.94	26.13	61.11	74.96	-41.33
		158	0.40	-0.27	-2.12	-2.12	-0.27	-0.05	8.62	-214.19	-214.14	8.57	-3.29
		7	0.62	5.26	-1.30	-1.17	5.12	0.92	43.30	-308.55	-240.16	-25.10	
139.24													
79	66	128	0.29	0.92	-1.94	-0.57	-0.45	-1.43	-24.98	-171.75	-37.67	-159.06	-41.25
		157	0.09	0.34	-1.14	-0.80	2.81e-03	-0.62	27.72	-19.99	-16.95	24.67	-11.66
		158	0.18	2.20	0.66	1.58	1.27	0.75	90.13	1.79	46.30	45.61	44.17
		7	0.34	1.46	-0.15	1.44	-0.13	-0.18	22.51	-183.64	22.39	-183.52	-5.04
79	67	128	0.44	7.84	-0.30	0.16	7.38	1.88	162.92	-71.74	32.25	58.93	
116.57													
		157	0.14	2.07	-1.07	-0.56	1.56	1.16	82.36	26.08	47.84	60.60	-27.41
		158	0.48	0.41	-2.58	-2.57	0.40	-0.20	-7.70	-263.13	-261.84	-8.99	-18.10
		7	0.72	7.23	-1.40	-1.35	7.18	0.65	86.33	-326.24	-274.22	34.31	
136.96													
79	68	128	0.14	2.05	-1.42	-1.14	1.77	-0.93	-30.70	-77.74	-32.05	-76.39	-7.85
		157	0.10	0.59	-1.71	-1.70	0.58	-0.19	12.97	-30.33	-30.27	12.92	1.53
		158	0.11	2.13	0.79	1.02	1.89	0.51	34.25	-28.22	-19.18	25.20	21.98
		7	0.20	2.23	1.04	1.18	2.10	-0.38	-27.73	-110.73	-27.78	-110.68	-1.96
79	69	128	0.30	5.64	0.35	0.78	5.21	1.45	93.10	-85.05	27.10	-19.06	86.03
		157	0.17	1.40	-0.17	0.25	0.97	0.70	109.79	26.27	61.84	74.22	-41.30
		158	0.38	-0.26	-2.06	-2.06	-0.26	3.86e-04	10.80	-205.01	-205.00	10.79	1.59
		7	0.61	5.10	-1.26	-1.13	4.97	0.89	39.62	-308.45	-232.91	-35.92	
143.48													
79	70	128	0.28	0.91	-1.83	-0.52	-0.40	-1.37	-25.74	-165.83	-37.20	-154.38	-38.38
		157	0.09	0.34	-1.23	-0.89	-3.29e-03	-0.65	29.85	-19.58	-16.27	26.54	-12.36
		158	0.17	2.10	0.66	1.53	1.24	0.71	83.15	-0.51	37.67	44.97	41.67
		7	0.33	1.41	-0.13	1.39	-0.11	-0.14	13.63	-181.02	13.53	-180.91	4.56
79	71	128	0.43	7.77	-0.31	0.15	7.31	1.87	160.13	-73.32	32.00	54.81	
116.17													
		157	0.14	2.05	-1.07	-0.56	1.54	1.15	83.30	26.40	48.55	61.16	-27.74
		158	0.48	0.40	-2.58	-2.57	0.39	-0.19	-7.08	-262.71	-261.59	-8.20	-16.91
		7	0.73	7.16	-1.41	-1.36	7.11	0.66	87.34	-332.16	-275.03	30.20	
143.89													
79	72	128	0.15	1.99	-1.43	-1.15	1.70	-0.94	-30.93	-81.88	-32.30	-80.51	-8.25
		157	0.10	0.58	-1.71	-1.70	0.56	-0.20	13.51	-29.60	-29.56	13.48	1.20
		158	0.12	2.12	0.78	1.02	1.88	0.51	35.80	-28.74	-18.92	25.98	23.17

		7	0.20	2.17	1.03	1.17	2.03	-0.38	-28.30	-115.07	-28.59	-114.79	4.97
79	73	128	0.30	5.71	0.37	0.80	5.28	1.45	95.19	-82.77	27.35	-14.94	86.43
		157	0.17	1.42	-0.18	0.25	0.99	0.71	108.84	25.95	61.13	73.66	-40.97
		158	0.38	-0.25	-2.07	-2.07	-0.25	-3.46e-03	10.00	-205.25	-205.25	10.00	0.40
		7	0.60	5.16	-1.25	-1.12	5.04	0.89	37.39	-301.30	-232.10	-31.81	
136.56													
79	74	128	0.27	0.95	-1.78	-0.51	-0.33	-1.36	-25.39	-161.82	-36.94	-150.26	-37.99
		157	0.09	0.35	-1.22	-0.88	0.01	-0.64	29.11	-20.11	-16.98	25.98	-12.03
		158	0.16	2.10	0.67	1.53	1.25	0.70	81.42	0.18	37.41	44.19	40.48
		7	0.32	1.42	-0.06	1.40	-0.04	-0.14	14.37	-176.83	14.34	-176.80	-2.36
79	75	128	0.40	7.41	-1.04	-0.86	7.23	1.22	149.07	-57.06	12.81	79.21	97.57
		157	0.09	2.00	-2.02	-1.72	1.70	1.06	31.76	5.36	6.11	31.01	-4.39
		158	0.41	1.53	-1.68	-1.68	1.53	-0.12	-11.79	-225.20	-223.04	-13.96	-21.37
		7	0.55	7.24	-0.60	-0.60	7.24	0.07	65.76	-242.25	-220.05	43.56	79.66
79	76	128	0.27	5.81	-1.25	-1.22	5.77	0.49	87.60	-50.02	-3.50	41.09	65.10
		157	0.10	1.61	-2.11	-1.96	1.46	0.73	18.80	-13.53	-13.25	18.52	2.98
		158	0.29	1.92	-0.76	-0.76	1.91	0.08	-4.15	-159.04	-158.45	-4.74	-9.54
		7	0.35	5.94	0.04	0.05	5.93	-0.21	15.39	-166.24	-154.94	4.09	43.87
79	77	128	0.24	1.21	0.86	0.86	1.21	0.02	-0.19	-137.79	-1.45	-136.54	13.08
		157	0.17	0.61	1.79e-03	0.51	0.10	-0.22	101.09	12.35	44.83	68.61	-42.75
		158	0.19	0.15	-0.71	-0.28	-0.28	0.43	50.18	-75.18	-65.72	40.73	33.11
		7	0.37	1.48	-0.35	-4.21e-03	1.13	0.72	-28.01	-228.42	-105.75	-150.69	97.65
79	78	128	0.30	0.93	-0.67	0.50	-0.24	-0.71	-15.39	-177.02	-17.75	-174.66	-19.39
		157	0.14	0.65	-0.52	0.27	-0.15	-0.55	79.35	2.23	25.46	56.12	-35.38
		158	0.17	1.05	-0.31	0.64	0.10	0.63	76.09	-27.28	-1.13	49.94	44.94
		7	0.35	0.84	-0.37	0.64	-0.17	0.44	-18.37	-212.44	-40.64	-190.16	61.86
79	79	128	0.40	7.37	-1.05	-0.88	7.20	1.20	146.80	-57.16	12.63	77.01	96.77
		157	0.09	2.01	-2.00	-1.70	1.70	1.06	31.41	5.39	6.12	30.68	-4.30
		158	0.40	1.54	-1.67	-1.66	1.54	-0.10	-11.60	-222.84	-220.84	-13.60	-20.45
		7	0.55	7.22	-0.59	-0.59	7.22	0.06	64.00	-240.18	-218.05	41.87	78.99
79	80	128	0.27	5.84	-1.24	-1.20	5.80	0.51	89.89	-49.92	-3.32	43.28	65.91
		157	0.10	1.61	-2.13	-1.98	1.46	0.73	19.11	-13.52	-13.26	18.85	2.88
		158	0.29	1.91	-0.78	-0.77	1.91	0.07	-4.40	-161.35	-160.65	-5.10	-10.46
		7	0.35	5.96	0.03	0.04	5.96	-0.20	17.17	-168.33	-156.94	5.77	44.54
79	81	128	0.25	1.18	0.84	0.84	1.18	5.29e-03	-0.54	-139.82	-1.63	-138.73	12.28
		157	0.17	0.62	6.34e-03	0.54	0.10	-0.22	100.79	12.32	44.83	68.28	-42.65
		158	0.19	0.17	-0.71	-0.27	-0.27	0.44	51.18	-73.62	-63.52	41.08	34.03
		7	0.37	1.45	-0.34	5.77e-03	1.11	0.71	-28.08	-228.05	-103.75	-152.37	96.99
79	82	128	0.29	0.94	-0.63	0.52	-0.21	-0.69	-15.37	-174.66	-17.57	-172.46	-18.58
		157	0.14	0.64	-0.53	0.25	-0.15	-0.55	79.66	2.24	25.45	56.45	-35.47
		158	0.17	1.03	-0.31	0.62	0.10	0.61	74.48	-28.23	-3.33	49.58	44.02
		7	0.35	0.84	-0.36	0.63	-0.15	0.45	-19.50	-211.61	-42.64	-188.47	62.53
79	83	128	0.39	7.21	-1.07	-0.89	7.03	1.20	140.39	-60.46	12.11	67.82	96.48
		157	0.09	1.95	-2.01	-1.72	1.66	1.03	33.67	6.97	8.07	32.56	-5.32
		158	0.40	1.50	-1.68	-1.68	1.50	-0.10	-10.24	-223.89	-222.35	-11.78	-18.08
		7	0.57	7.05	-0.63	-0.63	7.05	0.07	66.04	-256.12	-222.29	32.20	98.77
79	84	128	0.25	5.61	-1.28	-1.25	5.58	0.47	78.96	-53.46	-4.20	29.70	64.01
		157	0.10	1.56	-2.11	-1.96	1.41	0.71	20.21	-11.43	-11.30	20.08	2.05
		158	0.29	1.89	-0.76	-0.76	1.88	0.10	-2.32	-158.01	-157.76	-2.57	-6.25
		7	0.36	5.75	0.01	0.02	5.74	-0.20	15.68	-180.13	-157.18	-7.27	62.98
79	85	128	0.23	1.41	0.89	0.89	1.40	0.04	0.85	-126.75	-0.75	-125.15	14.18
		157	0.16	0.60	0.06	0.52	0.14	-0.20	98.49	11.43	42.87	67.05	-41.82
		158	0.18	0.15	-0.68	-0.28	-0.25	0.42	46.43	-74.30	-66.42	38.55	29.82
		7	0.31	1.64	-0.29	0.02	1.32	0.71	-40.86	-201.98	-103.51	-139.33	78.54
79	86	128	0.27	0.99	-0.51	0.53	-0.05	-0.69	-14.80	-165.53	-17.05	-163.27	-18.30
		157	0.14	0.64	-0.47	0.28	-0.11	-0.52	76.82	1.24	23.50	54.57	-34.45
		158	0.16	1.05	-0.28	0.63	0.13	0.62	71.44	-25.50	-1.83	47.77	41.65
		7	0.31	0.89	-0.20	0.67	0.02	0.44	-26.41	-190.79	-38.40	-178.80	42.75
79	87	128	0.38	7.18	-1.08	-0.91	7.00	1.19	138.14	-60.60	11.93	65.62	95.67
		157	0.09	1.95	-2.00	-1.70	1.66	1.04	33.32	6.99	8.08	32.24	-5.23
		158	0.40	1.51	-1.66	-1.66	1.51	-0.09	-10.03	-221.55	-220.15	-11.43	-17.16
		7	0.56	7.02	-0.62	-0.62	7.02	0.06	64.33	-254.11	-220.29	30.51	98.10
79	88	128	0.26	5.64	-1.26	-1.23	5.61	0.49	81.20	-53.32	-4.02	31.90	64.81
		157	0.10	1.56	-2.12	-1.99	1.42	0.70	20.52	-11.42	-11.30	20.40	1.95
		158	0.29	1.88	-0.77	-0.77	1.88	0.08	-2.60	-160.28	-159.96	-2.92	-7.17
		7	0.36	5.77	5.15e-03	0.01	5.76	-0.19	17.36	-182.13	-159.18	-5.58	63.65
79	89	128	0.23	1.38	0.87	0.87	1.37	0.02	0.47	-128.74	-0.93	-127.35	13.37
		157	0.16	0.62	0.06	0.54	0.14	-0.19	98.20	11.41	42.87	66.73	-41.72
		158	0.18	0.17	-0.69	-0.27	-0.24	0.43	47.37	-72.69	-64.22	38.91	30.74
		7	0.31	1.61	-0.28	0.03	1.30	0.70	-40.92	-201.60	-101.51	-141.02	77.87
79	90	128	0.27	1.00	-0.47	0.55	-0.02	-0.68	-14.78	-163.17	-16.87	-161.07	-17.49
		157	0.14	0.63	-0.48	0.26	-0.11	-0.52	77.14	1.25	23.49	54.90	-34.54

		158	0.16	1.03	-0.28	0.62	0.13	0.60	69.86	-26.48	-4.03	47.41	40.73
		7	0.30	0.89	-0.20	0.66	0.04	0.45	-27.77	-189.74	-40.40	-177.11	43.42
79	91	128	0.39	7.20	-0.23	0.16	6.81	1.65	143.93	-68.92	26.84	48.17	
105.89													
		157	0.13	1.82	-1.05	-0.65	1.43	0.99	78.16	22.83	42.26	58.73	-26.41
		158	0.45	0.46	-2.27	-2.26	0.45	-0.16	-4.48	-244.42	-243.34	-5.56	-16.10
		7	0.66	6.67	-1.19	-1.15	6.62	0.61	71.44	-305.81	-256.00	21.62	
127.72													
79	92	128	0.15	2.17	-1.22	-1.03	1.97	-0.78	-27.40	-79.01	-27.51	-78.90	-2.36
		157	0.09	0.61	-1.46	-1.46	0.60	-0.09	17.21	-22.39	-22.30	17.12	-1.85
		158	0.12	1.95	0.58	0.80	1.73	0.51	33.93	-36.82	-28.03	25.14	23.33
		7	0.20	2.34	0.95	1.01	2.27	-0.30	-38.00	-110.93	-38.99	-109.95	8.41
79	93	128	0.27	5.37	0.32	0.67	5.01	1.29	85.89	-79.88	22.56	-16.55	80.54
		157	0.16	1.25	-0.28	0.02	0.95	0.61	100.71	23.18	53.87	70.01	-37.91
		158	0.37	-0.10	-1.84	-1.84	-0.10	3.79e-03	10.84	-196.14	-196.14	10.84	0.24
		7	0.57	4.90	-1.08	-0.97	4.79	0.81	32.93	-291.29	-221.71	-36.65	
133.11													
79	94	128	0.24	1.02	-1.37	-0.51	0.17	-1.14	-25.30	-150.11	-31.78	-143.62	-27.71
		157	0.09	0.33	-0.99	-0.79	0.12	-0.48	32.53	-14.82	-10.69	28.40	-13.36
		158	0.15	1.87	0.53	1.22	1.19	0.67	71.58	-10.87	19.16	41.55	39.67
		7	0.28	1.20	0.43	1.19	0.44	-0.10	-3.54	-169.38	-4.70	-168.22	13.81
79	95	128	0.39	7.14	-0.24	0.15	6.76	1.65	141.64	-70.26	26.63	44.75	
105.56													
		157	0.13	1.81	-1.05	-0.66	1.42	0.98	78.94	23.11	42.85	59.20	-26.69
		158	0.45	0.45	-2.27	-2.26	0.44	-0.16	-3.96	-244.08	-243.13	-4.91	-15.11
		7	0.67	6.61	-1.20	-1.15	6.56	0.61	72.34	-310.79	-256.67	18.22	
133.45													
79	96	128	0.16	2.11	-1.24	-1.04	1.92	-0.79	-27.58	-82.45	-27.72	-82.31	-2.69
		157	0.09	0.60	-1.47	-1.46	0.59	-0.10	17.70	-21.83	-21.72	17.59	-2.13
		158	0.13	1.95	0.57	0.80	1.72	0.51	35.18	-37.21	-27.83	25.80	24.32
		7	0.20	2.28	0.94	1.00	2.22	-0.30	-37.04	-115.98	-39.66	-113.36	14.14
79	97	128	0.28	5.42	0.33	0.68	5.07	1.30	87.66	-78.02	22.77	-13.14	80.87
		157	0.16	1.26	-0.28	0.02	0.96	0.61	99.92	22.91	53.29	69.55	-37.64
		158	0.37	-0.09	-1.84	-1.84	-0.09	5.81e-04	10.19	-196.35	-196.35	10.19	-0.75
		7	0.56	4.96	-1.07	-0.96	4.85	0.81	31.11	-285.38	-221.03	-33.24	
127.38													
79	98	128	0.23	1.06	-1.33	-0.51	0.23	-1.14	-25.06	-146.72	-31.57	-140.20	-27.38
		157	0.09	0.33	-0.98	-0.79	0.14	-0.47	31.90	-15.24	-11.28	27.93	-13.08
		158	0.15	1.87	0.54	1.22	1.20	0.67	70.14	-10.29	18.95	40.90	38.69
		7	0.27	1.21	0.48	1.20	0.50	-0.10	-3.62	-165.22	-4.02	-164.82	8.08
79	99	128	0.38	7.08	-0.26	0.10	6.71	1.60	137.00	-69.91	26.24	40.85	
103.20													
		157	0.13	1.84	-1.00	-0.59	1.42	1.01	77.17	22.75	42.28	57.65	-26.10
		158	0.43	0.47	-2.22	-2.21	0.47	-0.12	-3.65	-236.73	-236.00	-4.38	-13.04
		7	0.64	6.60	-1.16	-1.11	6.55	0.59	65.94	-299.29	-249.35	16.00	
125.49													
79	100	128	0.14	2.24	-1.14	-0.98	2.07	-0.73	-26.90	-71.58	-26.90	-71.58	0.33
		157	0.09	0.62	-1.53	-1.53	0.61	-0.11	18.32	-22.43	-22.32	18.21	-2.16
		158	0.12	1.90	0.56	0.75	1.71	0.47	30.22	-41.63	-35.37	23.96	20.27
		7	0.19	2.40	0.93	0.98	2.34	-0.27	-43.77	-106.20	-45.64	-104.33	10.64
79	101	128	0.26	5.24	0.29	0.62	4.91	1.24	80.19	-82.11	21.96	-23.87	77.85
		157	0.16	1.27	-0.24	0.08	0.94	0.62	99.76	23.05	53.89	68.93	-37.61
		158	0.35	-0.07	-1.80	-1.80	-0.07	0.04	12.08	-188.86	-188.81	12.02	3.30
		7	0.55	4.82	-1.04	-0.93	4.72	0.78	28.16	-285.49	-215.06	-42.27	
130.88													
79	102	128	0.22	1.05	-1.24	-0.46	0.27	-1.09	-25.53	-141.95	-31.18	-136.30	-25.01
		157	0.09	0.33	-1.06	-0.86	0.13	-0.49	33.69	-14.91	-10.71	29.49	-13.67
		158	0.14	1.80	0.54	1.17	1.16	0.63	65.39	-13.20	11.83	40.36	36.61
		7	0.27	1.16	0.50	1.16	0.51	-0.07	-9.66	-164.28	-11.35	-162.60	16.04
79	103	128	0.38	7.02	-0.27	0.09	6.66	1.59	134.76	-71.30	26.03	37.43	
102.87													
		157	0.13	1.82	-1.00	-0.59	1.41	1.00	77.95	23.03	42.86	58.11	-26.38
		158	0.43	0.47	-2.22	-2.21	0.46	-0.11	-3.10	-236.42	-235.79	-3.73	-12.05
		7	0.65	6.54	-1.16	-1.12	6.49	0.59	66.92	-304.35	-250.02	12.59	
131.22													
79	104	128	0.15	2.18	-1.15	-0.98	2.01	-0.73	-27.12	-74.99	-27.12	-74.99	6.07e-
03													
		157	0.09	0.61	-1.54	-1.53	0.60	-0.12	18.82	-21.88	-21.73	18.67	-2.44
		158	0.13	1.89	0.56	0.75	1.70	0.47	31.40	-41.95	-35.16	24.61	21.25
		7	0.20	2.34	0.92	0.97	2.29	-0.27	-42.22	-111.82	-46.31	-107.73	16.37
79	105	128	0.27	5.30	0.30	0.63	4.97	1.24	81.89	-80.17	22.17	-20.46	78.18
		157	0.16	1.28	-0.25	0.09	0.95	0.63	98.97	22.79	53.30	68.46	-37.33

		158	0.35	-0.06	-1.80	-1.80	-0.06	0.04	11.40	-189.04	-189.02	11.37	2.32
		7	0.54	4.88	-1.03	-0.93	4.78	0.78	26.23	-279.48	-214.38	-38.87	
125.15													
79	106	128	0.22	1.09	-1.21	-0.45	0.33	-1.08	-25.31	-138.55	-30.97	-132.88	-24.69
		157	0.09	0.34	-1.05	-0.86	0.14	-0.49	33.06	-15.33	-11.29	29.02	-13.39
		158	0.14	1.80	0.55	1.17	1.17	0.63	63.96	-12.63	11.62	39.71	35.62
		7	0.26	1.17	0.56	1.16	0.57	-0.08	-9.96	-159.90	-10.67	-159.19	10.30

Elem.		**Von Mises**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-126.65	-54.88	-107.31	-53.71		-3651.27	-2227.76	-3169.74	-
1148.45												
		7.06	141.52		58.63	122.01	56.29	2909.99		1215.90	2490.46	
1313.95												

VERIFICHE PER ELEMENTI IN ACCIAIO

LEGENDA TABELLA VERIFICHE PER ELEMENTI IN ACCIAIO

Il programma consente la verifica dei seguenti tipi di elementi:

1. **aste** 2. **travi** 3. **pilastri**

L'esito delle verifiche è espresso con un codice come di seguito indicato

Ok: verifica con esito positivo

NV: verifica con esito negativo

Nr: verifica non richiesta.

Per comodità gli elementi vengono raggruppati in tabelle in relazione al tipo.

Ai fini delle verifiche (come da D.M. 17 Gennaio 2018 e circolare 21 Gennaio 2019 n.7) i tipi elementi differiscono per i seguenti aspetti:

Verifica		**Aste**	**Travi**	**Pilastri**
4.2.3.1	Classificazione	X	X	X
4.2.4.1.2.1	Trazione	X	X	X
4.2.4.1.2.2	Compressione	X	X	X
4.2.4.1.2.4	Taglio		X	X
4.2.4.1.2.5	Torsione		X	X
	Flessione, taglio e forza assiale		X	X
4.2.4.1.3.1	Aste compresse	X	X	X
4.2.4.1.3.2	Instabilità flesso-torsionale		X	X
4.2.4.1.3.3	Membrature inflesse e compresse		X	X

Ai fini delle verifiche per strutture dissipative (come da D.M. 17 Gennaio 2018 e 2018 e circolare 21 Gennaio 2019 n.7) per strutture intelaiate e a controventi concentrici) si considerano le verifiche del capitolo 4 con azioni amplificate e le verifiche del capitolo 7:

Verifica		**Travi**	**Pilastri**
4.2.4.1.2.1	Trazione	X	X
4.2.4.1.2.2	Compressione	X	X

4.2.4.1.2.4	Taglio	X	X
4.2.4.1.2.5	Torsione	X	X
	Flessione, taglio e forza assiale	X	X
4.2.4.1.3.1	Aste compresse	X	X
4.2.4.1.3.2	Instabilità flesso-torsionale	X	X
4.2.4.1.3.3	Membrature inflesse e compresse	X	X
7.5.3	Sfruttamento per momento	X	
7.5.4	Sfruttamento per sforzo normale	X	
7.5.5	Sfruttamento per taglio da capacità flessionale	X	
7.5.9	Sfruttamento per taglio amplificato		X

Viene inoltre riportata la verifica della “Gerarchia delle resistenze trave-colonna” per ogni colonna, considerando piede e testa in entrambe le direzioni globali X e Y.

L’ insieme delle verifiche sopra riportate è condotto sugli elementi purché dotati di sezione idonea come da tabella seguente:

	Azione	SEZIONI GENERICHE	PROFILI SEMPLICI	PROFILI ACCOPPIATI
4.2.3.1	Classificazione automatica	L, doppio T, C, rettangolare cava, circolare cava	Tutti	Da profilo semplice
4.2.3.1	Classificazione di default 2	Circolare		
4.2.3.1	Classificazione di default 3	restanti		
4.2.4.1.2.1	Trazione	si	si	si
4.2.4.1.2.2	Compressione	si	si	si
4.2.4.1.2.4	Taglio	si	si	si
4.2.4.1.2.5	Torsione	si	si	si
	Flessione, taglio e forza assiale	si	si	si
4.2.4.1.3.1	Aste compresse	si	si	per elementi ravvicinati e

			a croce o coppie calastrellate
4.2.4.1.3.2 Travi inflesse	doppio T simmetrica	doppio T	no

Le verifiche sono riportate in tabelle con il significato sotto indicato; le verifiche sono espresse dal rapporto tra l' azione di progetto e la capacità ultima, pertanto la verifica ha esito positivo per rapporti non superiori all' unità.

Asta **Trave** **Pilastro**	numero dell'elemento
Stato	codice di verifica per resistenza, stabilità, svergolamento
Note	sezione e materiali adottati per l'elemento
V N	(ASTE) verifica come da par. 4.2.4.1.2 per punto (4.2.6) e (4.2.10)
V V/T	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni taglio-torsione (4.2.16 e 4.2.28)
V N/M	(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni composte (4.2.33) con riduzione per taglio (4.2.40) ove richiesto
N **M3** **M2** **V2** **V3** **T**	sollecitazioni di interesse per la verifica
V stab	(ASTE) verifica come da par. 4.2.4.1.3.1 per punto (4.2.41)
V stab	(TRAVI E PILASTRI) verifica come da par. 4.2.4.1.3 per punti (C4.2.32) o (C4.2.36) (membrature inflesse e compresse senza/con presenza di instabilità flesso-torsionale)
BetaxL **B22xL** **B33xL**	lunghezze libere di inflessione (se indicato riferiti al piano di normale 22 o 33 rispettivamente)
Snellezza	snellezza massima
Classe	classe del profilo
Chi mn	coefficiente di riduzione (della capacità) per la modalità di instabilità pertinente
Rif. cmb	combinazioni in cui si sono rispettivamente attinti i valori di verifica più elevati
V flst	(TRAVI E PILASTRI) verifica di stabilità come da par. 4.2.4.1.3.2 per punto (4.2.48)
B1-1 x L	Beta1-1 x L: interasse tra i ritegni torsionali
Chi LT	coefficiente di riduzione (della capacità) per la modalità di instabilità flesso-torsionale

Snell adim	Valore della snellezza adimensionale, utilizzato per il controllo previsto al par. 7.5.5
v.Omeg	Valore del rapporto capacità/domanda per l' azione di interesse (momento per travi e azione assiale per aste) utilizzato per l' amplificazione delle azioni
f.Om. N	Fattore di amplificazione delle azioni assiali per travi e colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.5
f.Om. T	Fattore di amplificazione delle azioni (assiali, flettenti e taglianti) per colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.4
V.7.5.4 M Ed	Verifica come prevista al punto 7.5.4 e valore dell' azione flettente
V.7.5.5 N Ed	Verifica come prevista al punto 7.5.5 e valore dell' azione assiale
V.7.5.6 V Ed,G V Ed,M	Verifica come prevista al punto 7.5.6 e valore dei tagli dovuti ai carichi e alla capacità
V.7.5.10 V Ed	Verifica come prevista al punto 7.5.10 e valore dell' azione di taglio
sovr. Xi (Xf, Yi, Yf)	Valore della sovraresistenza come prevista al par. 7.5.4.2 (i valori non sono normalizzati pertanto saranno maggiori uguali a gamma rd in base alla classe di duttilità)

Nel caso in cui lambdaS sia minore di 0.2, oppure nel caso in cui la sollecitazione di calcolo NEd sia inferiore a 0.04 Ncr, gli effetti legati ai fenomeni di instabilità sono trascurati, come da paragrafo 4.2.4.1.3.1

Trave	Stato	Note	V V/T	V N/M	V stab	Cl.	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT	Rif. cmb
1	oks	m=12	0.08	0.25	0.25	1	0.5	0.2	45.4	0.83	0.24	0.1	1.00	
32,32,32,32														
3	oks	m=18	0.02	0.05	0.05	1	0.7	0.2	61.6	0.78	0.05	0.2	1.00	
24,24,24,24														
4	oks	m=12	7.69e-04	8.95e-03	7.58e-03	1	1.0	0.3	89.9	0.57	1.60e-03	0.5	1.00	2,31,34,2
5	oks	m=12	7.69e-04	2.71e-03	4.60e-03	1	1.0	0.3	89.9	0.57	1.60e-03	0.5	1.00	2,32,29,1
6	oks	m=18	0.02	0.04	0.03	1	0.7	0.2	61.6	0.78	0.04	0.2	1.00	
24,24,25,24														
8	oks	m=12	7.89e-03	2.63e-03	2.56e-03	1	0.1	3.31e-02	9.9	1.00	2.46e-03	7.54e-02	1.00	42,2,2,2
9	oks	m=18	0.03	0.08	0.07	1	0.7	0.2	61.6	0.78	0.08	0.2	1.00	
16,16,17,16														
10	oks	m=12	0.03	0.08	0.18	1	1.7	0.5	148.7	0.25	0.18	1.0	0.45	2,2,2,2
11	oks	m=12	0.02	0.08	0.05	1	0.4	0.1	36.0	0.89	0.08	0.1	1.00	
33,33,2,33														
12	oks	m=12	7.28e-03	0.07	0.04	1	0.9	0.3	81.8	0.63	1.32e-03	0.4	1.00	
39,24,25,1														
13	oks	m=12	0.07	0.15	0.12	1	0.4	0.1	32.4	0.91	0.14	0.1	1.00	
37,37,17,37														
14	oks	m=12	8.74e-03	0.01	0.01	1	1.0	0.3	89.0	0.58	0.01	0.5	1.00	2,2,2,2
15	oks	m=12	9.86e-03	0.06	0.08	1	1.0	0.3	89.0	0.58	0.01	0.5	1.00	
35,24,23,2														
16	oks	m=18	0.03	0.08	0.07	1	0.7	0.2	61.6	0.78	0.08	0.2	1.00	

16,16,17,16														
17	oks=15,m=12	0.14	0.20	0.20	1	0.3	7.94e-02	23.8	0.96	0.17	0.1	1.00		
35,27,27,27														
19	oks=15,m=12	0.03	0.08	0.19	1	1.7	0.5	148.7	0.25	0.18	1.0	0.45	2,2,2,2	
20	oks=15,m=12	0.03	0.15	0.37	1	1.2	0.3	103.0	0.44	0.37	1.1	0.40		
33,29,29,33														
23	oks=15,m=12	0.11	0.22	0.18	1	0.4	0.1	32.4	0.91	0.20	9.65e-02	1.00		
42,42,39,42														
26	oks=15,m=12	0.10	0.15	0.14	1	0.1	3.48e-02	10.4	1.00	0.13	4.55e-02	1.00		
36,32,32,32														
27	oks=18,m=12	0.04	0.09	0.09	1	0.7	0.2	61.6	0.78	0.09	0.3	1.00		
32,32,32,32														
28	oks=15,m=12	0.03	0.10	0.24	1	0.8	0.2	71.8	0.65	0.21	1.1	0.40		
38,38,38,38														
29	oks=15,m=12	0.03	0.11	0.11	1	0.4	0.1	34.7	0.90	0.11	0.2	1.00		
2,36,36,36														
30	oks=15,m=12	0.12	0.12	0.12	1	0.1	3.48e-02	10.4	1.00	0.10	4.57e-02	1.00		
39,35,35,2														
32	oks=15,m=12	0.06	0.07	0.05	1	9.92e-02	2.88e-02	8.6	1.00	0.05	3.10e-02	1.00		
32,32,33,32														
33	oks=15,m=12	6.80e-03	8.62e-03	5.31e-03	1	0.6	0.2	50.6	0.80	2.75e-03	0.4	0.87		
39,24,40,24														
36	oks=18,m=12	0.05	0.13	0.13	1	0.7	0.2	61.6	0.78	0.13	0.3	1.00		
42,42,42,42														
37	oks=18,m=12	0.08	0.21		1	0.7	0.2	61.6	0.78	0.21	0.3	1.00		
42,42,0,42														
38	oks=15,m=12	0.02	0.06	0.11	1	0.9	0.3	79.3	0.59	0.13	1.1	0.40		
2,24,11,24														
39	oks=15,m=12	7.95e-03	2.68e-03	2.66e-03	1	0.1	3.31e-02	9.9	1.00	2.60e-03	7.54e-02	1.00	42,2,2,2	
40	oks=15,m=12	0.02	0.04	0.07	1	1.1	0.3	97.9	0.47	0.09	1.1	0.40	2,2,33,2	
42	oks=15,m=12	0.03	0.10	0.28	1	2.1	0.6	183.4	0.18	0.22	1.1	0.41		
2,24,24,20														
43	oks=15,m=12	5.92e-03	1.79e-03	1.72e-03	1	0.6	0.2	50.6	0.80	8.40e-04	0.3	0.93		
26,15,18,2														
44	oks=15,m=12	0.10	0.13	0.13	1	0.2	5.30e-02	15.9	1.00	0.12	7.36e-02	1.00		
25,21,21,25														
45	oks=15,m=12	0.11	0.17	0.12	1	0.2	5.30e-02	15.9	1.00	0.14	5.36e-02	1.00		
26,26,2,26														
46	oks=15,m=12	0.03	0.09	0.27	1	2.1	0.6	183.4	0.18	0.21	1.1	0.41		
2,40,23,40														
51	oks=18,m=12	0.06	0.15	0.15	1	0.7	0.2	61.6	0.78	0.15	0.3	1.00		
36,36,36,36														
52	oks=18,m=12	0.10	0.25	0.25	1	0.7	0.2	61.6	0.78	0.25	0.3	1.00		
36,36,36,36														
53	oks=15,m=12	0.03	0.19	0.46	1	1.4	0.4	124.7	0.34	0.46	1.1	0.40		
37,37,37,37														
55	oks=15,m=12	0.05	0.13	0.10	1	0.2	4.38e-02	13.1	1.00	0.13	5.66e-02	1.00		
36,36,37,32														
56	oks=15,m=12	1.92e-03	1.01e-03	1.11e-03	1	0.6	0.2	50.6	0.80	9.05e-04	0.4	0.87		
36,23,26,2														
58	oks=15,m=12	0.01	0.18	0.22	1	0.8	0.2	71.8	0.65	0.23	1.1	0.40		
2,39,39,28														
61	oks=15,m=12	0.07	0.12	0.12	1	0.2	7.23e-02	21.6	0.98	0.09	6.88e-02	1.00		
32,33,32,33														
62	oks=18,m=12	0.02	0.06	0.06	1	0.7	0.2	61.6	0.78	0.06	0.3	1.00		
42,42,42,42														
63	oks=15,m=12	0.02	0.06	0.06	1	0.6	0.2	55.0	0.77	0.06	0.2	1.00		
36,37,37,37														
66	oks=18,m=12	0.04	0.11	0.10	1	0.7	0.2	61.6	0.78	0.11	0.3	1.00		
42,42,34,42														
67	oks=15,m=12	0.02	0.06	0.14	1	1.1	0.3	97.9	0.47	0.13	1.1	0.40	2,2,2,2	
69	oks=15,m=12	0.02	0.08	0.18	1	0.9	0.3	79.3	0.59	0.17	1.1	0.40		
2,30,30,30														
70	oks=15,m=12	0.02	0.03	0.03	1	0.2	5.04e-02	15.1	1.00	0.03	5.46e-02	1.00		
29,29,28,29														

Trave	**V V/T**	**V N/M**	**V stab**	**LamS 22**	**LamS 33**	**Snell.**	**Chi mn**	**V flst**	**LamS LT**	**Chi LT**
							0.18			0.40
	0.14	0.25	0.46	2.11	0.61	183.36		0.46	1.14	

Trave	**v.Omeg**	**f.Om. N**	**Stato**	**V N/M**	**V stab**	**Rif. cmb**	**V[7.5.4]**	**M Ed**	**V[7.5.5]**	**N Ed**	**V[7.5.6]**	**V Ed,G**	**V**

Ed,M													
						daN	cm		daN		daN	daN	
1					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
3					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
5					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
8					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
9					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
10					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
11					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
12					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
13					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
14					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
15					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
16					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
17					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
19					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
20					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
23					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
26					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
27					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
28					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
29					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
30					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
32					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
33					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
36					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
37					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
38					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
39					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
40					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
42					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
43					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
44					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
45					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
46					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
51					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
52					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
53					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
55					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
56					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
58					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
61					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
62					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
63					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
66					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
67					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
69					0.0	0.0	0.0	0.0	0.0	0.0	0.0		
70					0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Trave	**v.Omeg**	**V N/M**	**V stab**	**V[7.5.4]**	**M Ed**	**V[7.5.5]**	**N Ed**	**V[7.5.6]**	**V Ed,G**	**V Ed,M**
					0.0		0.0		0.0	0.0
				0.0	0.0	0.0	0.0	0.0	0.0	0.0

Pilas.	**Stato**	**Note**	**V V/T**	**V N/M**	**V stab**	**Cl.**	**LamS 22**	**LamS 33**	**Snell.**	**Chi mn**	**V flst**	**LamS LT**	**Chi LT**	**Rif. cmb**
2	ok	s=8,m=12	0.01	0.11	0.10	1	1.4	0.8	118.1	0.36	0.09	0.2	1.00	37,39,37,37
7	ok	s=8,m=12	0.02	0.08	0.08	1	0.7	0.4	63.6	0.70	0.06	9.69e-02	1.00	27,11,35,35
18	ok	s=8,m=12	8.96e-03	0.13	0.10	1	1.4	0.8	118.1	0.36	0.06	0.2	1.00	41,37,36,37
21	ok	s=15,m=12	0.04	0.11	0.08	1	0.2	6.09e-02	18.2	0.99	0.06	4.05e-02	1.00	24,31,31,2
22	ok	s=8,m=12	0.02	0.06	0.05	1	0.7	0.4	63.6	0.70	0.04	9.94e-02	1.00	31,19,32,31
24	ok	s=8,m=12	0.02	0.14	0.12	1	1.5	0.9	127.2	0.33	0.10	0.3	1.00	37,33,33,37
25	ok	s=8,m=12	0.02	0.13	0.13	1	1.5	0.9	127.2	0.33	0.12	0.2	1.00	

39,35,35,39													
31	ok	s=8,m=12	7.48e-03	0.10	0.10	1	1.4	0.8	118.1	0.36	0.06	0.2	1.00
25,26,26,25													
34	ok	s=8,m=12	6.21e-03	0.10	0.10	1	1.4	0.8	118.1	0.36	0.04	0.2	1.00
37,42,42,37													
35	ok	s=8,m=12	8.21e-03	0.09	0.08	1	1.4	0.8	118.1	0.36	0.05	0.2	1.00
25,26,26,25													
41	oks=15,m=12		0.05	0.11	0.11	1	0.2	6.09e-02	18.2	0.99	0.05	3.78e-02	1.00
27,27,31,2													
47	ok	s=8,m=12	0.01	0.09	0.09	1	1.4	0.8	118.1	0.36	0.08	0.2	1.00
29,37,37,33													
48	ok	s=8,m=12	8.61e-03	0.14	0.09	1	1.4	0.8	118.1	0.36	0.06	0.2	1.00
33,37,33,33													
49	ok	s=8,m=12	9.36e-03	0.17	0.14	1	1.4	0.8	118.1	0.36	0.07	0.2	1.00
37,37,36,37													
50	ok	s=8,m=12	8.86e-03	0.16	0.12	1	1.4	0.8	118.1	0.36	0.06	0.2	1.00
33,37,37,33													
54	ok	s=8,m=12	0.04	0.11	0.11	1	0.7	0.4	63.6	0.70	0.09	9.57e-02	1.00
32,32,32,32													
57	oks=15,m=12		0.08	0.43	0.29	1	0.4	0.1	36.4	0.89	0.09	5.48e-02	1.00
37,42,42,33													
59	ok	s=8,m=12	0.02	0.14	0.12	1	1.4	0.8	118.1	0.36	0.11	0.2	1.00
37,39,37,37													
60	ok	s=8,m=12	0.01	0.12	0.11	1	1.4	0.8	118.1	0.36	0.09	0.2	1.00
41,42,41,41													
64	ok	s=8,m=12	5.70e-03	0.09	0.09	1	1.4	0.8	118.1	0.36	0.05	0.2	1.00
37,39,26,37													
65	oks=15,m=12		0.14	0.67	0.48	1	0.4	0.1	36.4	0.89	0.13	9.63e-02	1.00
35,27,27,39													
68	ok	s=8,m=12	0.01	0.05	0.04	1	0.7	0.4	63.6	0.70	0.03	0.1	1.00
14,11,13,29													

Pilas.	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
							0.33			1.00
	0.14	0.67	0.48	1.47	0.88	127.22		0.13	0.32	

Pilas.	f.Om. N	f.Om. T	Stato	V V/T	V N/M	V stab	V flst	Rif. cmb	V[7.5.10]	V Ed	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf
										daN				
2	0.0	0.0	ok	0.0	0.0			0,0,0,0						
7	0.0	0.0	ok	0.0	0.0			0,0,0,0						
18	0.0	0.0	ok	0.0	0.0			0,0,0,0						
21	0.0	0.0	ok	0.0	0.0			0,0,0,0						
22	0.0	0.0	ok	0.0	0.0			0,0,0,0						
24	0.0	0.0	ok	0.0	0.0			0,0,0,0						
25	0.0	0.0	ok	0.0	0.0			0,0,0,0						
31	0.0	0.0	ok	0.0	0.0			0,0,0,0						
34	0.0	0.0	ok	0.0	0.0			0,0,0,0						
35	0.0	0.0	ok	0.0	0.0			0,0,0,0						
41	0.0	0.0	ok	0.0	0.0			0,0,0,0						
47	0.0	0.0	ok	0.0	0.0			0,0,0,0						
48	0.0	0.0	ok	0.0	0.0			0,0,0,0						
49	0.0	0.0	ok	0.0	0.0			0,0,0,0						
50	0.0	0.0	ok	0.0	0.0			0,0,0,0						
54	0.0	0.0	ok	0.0	0.0			0,0,0,0						
57	0.0	0.0	ok	0.0	0.0			0,0,0,0						
59	0.0	0.0	ok	0.0	0.0			0,0,0,0						
60	0.0	0.0	ok	0.0	0.0			0,0,0,0						
64	0.0	0.0	ok	0.0	0.0			0,0,0,0						
65	0.0	0.0	ok	0.0	0.0			0,0,0,0						
68	0.0	0.0	ok	0.0	0.0			0,0,0,0						

Pilas.	V V/T	V N/M	V stab	V flst	V[7.5.10]	V Ed	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf
	0.0	0.0								

VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata.*

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok e NV,** il rapporto x/d, la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.

Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.

Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale.

La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio

lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Per gli elementi di fondazione si fa riferimento al paragrafo 7.2.5 del D.M.17/01/2018 che prevede:

"*Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:*

- *quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;*
- *[…];*
- *quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B"*

[…]

Le strutture delle fondazioni superficiali devono essere progettate per le azioni definite al precedente capoverso, assumendo un comportamento non dissipativo; non sono quindi necessarie armature specifiche per ottenere un comportamento duttile."

Nel caso di comportamento strutturale dissipativo l'incremento delle sollecitazioni sopracitato viene eseguito come previsto dall'Eurocodice

$$E_{Fd} = E_{F,G} + \gamma_{Rd} \Omega E_{F,E}$$

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione di tipo "*Singolo Elemento …*" è presente una tabella con i simboli di seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento

Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Per gli elementi con progettazione di tipo "*Parete Sismica" e "Parete Debolmente Armata*" è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

Sia per le verifiche degli elementi con progettazione di tipo "*Singolo Elemento …*" e "*Parete …*" è presente una tabella con i simboli di seguito descritti:

Nodo	Numero del nodo
Stato	Codice di verifica dell'elemento **ok** o **NV**
x/d	Rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	Quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	Quantità di armatura richiesta in direzione principale relativa alla faccia

	negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	Quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	Quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e\o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx Mx Mxy	Sforzi flessionali per gusci orizzontali

Nodo	Numero del nodo
Stato	Codice di verifica dell'elemento **ok, NV oppure ok Av** (verificata, ma con richiesta di armatura a taglio)
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella con le verifiche per gli elementi con progettazione "*Singolo Elemento …*", è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)

Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione per alfaS minore di 2 secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature
Incli.	Angolo di inclinazione delle armature
Dist.	Distanza alla base tra le armature inclinate

Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato Ned/(bw fyd)

Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

Nodo	Numero del nodo
Stato	Codice di verifica dell'elemento **ok** o **NV**
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	Fattore di amplificazione per le fondazioni (solo per gusci di fondazione)

f. Uout	Fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)
Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	60.00	1	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
29	ok	0.09	2.36e-02	7.51e-04	18.7	18.7	18.7	18.7	9.4	-1.6	0.1	-566.0	-416.3	218.1
31	ok	0.09	4.64e-02	2.61e-03	18.7	18.7	18.7	18.7	-21.6	-1.4	-1.3	-1414.9	-436.8	-386.5
55	ok	0.09	2.35e-02	9.02e-04	18.7	18.7	18.7	18.7	-4.5	-1.3	-3.5	-543.4	-173.7	203.2
67	ok	0.09	4.62e-02	2.78e-03	18.7	18.7	18.7	18.7	26.7	3.8	8.1	-803.9	-109.2	-421.2
68	ok	0.09	2.17e-02	7.24e-04	18.7	18.7	18.7	18.7	2.6	2.9	1.3	-362.9	610.5	-210.7
69	ok	0.09	1.87e-02	8.99e-04	18.7	18.7	18.7	18.7	2.7	1.3	6.0	-389.1	163.8	-296.6
79	ok	0.09	2.36e-02	9.23e-04	18.7	18.7	18.7	18.7	9.8	-1.6	-2.6	-441.3	336.0	191.3
80	ok	0.09	4.66e-02	2.93e-03	18.7	18.7	18.7	18.7	-22.1	-4.2	6.7	-1365.5	38.0	132.8
90	ok	0.09	1.68e-02	8.39e-04	18.7	18.7	18.7	18.7	-1.0	8.23e-02	2.8	-353.0	352.0	344.9
145	ok	0.09	1.01e-02	4.98e-04	18.7	18.7	18.7	18.7	-1.1	-3.3	1.4	-156.9	-343.2	102.9
146	ok	0.09	8.99e-03	3.10e-04	18.7	18.7	18.7	18.7	-0.8	-0.3	2.5	118.3	153.1	-198.4
147	ok	0.09	5.55e-03	2.53e-04	18.7	18.7	18.7	18.7	-0.3	-0.3	-2.1	79.2	88.1	172.1

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-22.15	-4.16	-3.53	-1414.93	-436.76	-
421.21													
	0.09	0.05	2.93e-03	18.67	18.67	18.67	18.67	26.69	3.84	8.09	118.34	610.54	
344.91													

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
29	ok	0.23						
31	ok	0.40						
55	ok	0.19						
67	ok	0.26						
68	ok	0.40						
69	ok	0.26						
79	ok	0.23						
80	ok	0.40						
90	ok	0.40						
145	ok	0.19						

146	ok	0.19
147	ok	0.18

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.40						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
3	60.00	1	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
21	ok	0.09	4.39e-02	2.42e-03	18.7	18.7	18.7	18.7	23.4	-4.5	5.48e-02	-983.4	-443.4	307.7
23	ok	0.09	6.55e-02	5.45e-03	18.7	18.7	18.7	18.7	-50.0	-2.6	-3.4	-1436.2	-436.7	-559.9
60	ok	0.09	3.25e-02	3.19e-03	18.7	18.7	18.7	18.7	-26.1	-8.6	-7.4	-804.5	192.3	225.3
61	ok	0.09	2.24e-02	1.40e-03	18.7	18.7	18.7	18.7	-1.2	6.2	1.2	-445.7	-196.1	-423.3
62	ok	0.09	5.67e-02	6.25e-03	18.7	18.7	18.7	18.7	-51.7	-9.8	16.7	-1368.8	74.9	-105.0
74	ok	0.09	1.51e-02	1.60e-03	18.7	18.7	18.7	18.7	2.2	0.2	6.77e-02	-364.9	185.9	100.9
105	ok	0.09	4.45e-02	2.88e-03	18.7	18.7	18.7	18.7	23.1	5.7	9.4	-909.5	-59.7	-170.3
106	ok	0.09	6.94e-02	5.80e-03	18.7	18.7	18.7	18.7	30.8	1.2	11.1	-1173.6	-103.3	-157.0
107	ok	0.09	1.81e-02	2.09e-03	18.7	18.7	18.7	18.7	-1.4	6.0	-9.5	-407.6	93.6	50.3
148	ok	0.09	1.89e-02	1.22e-03	18.7	18.7	18.7	18.7	-3.6	-9.9	4.1	-291.2	-307.2	197.5
149	ok	0.09	1.65e-02	7.30e-04	18.7	18.7	18.7	18.7	1.1	-1.8	6.6	268.9	166.9	232.2
150	ok	0.09	1.74e-02	6.67e-04	18.7	18.7	18.7	18.7	-1.4	1.0	6.2	235.3	210.5	-309.7

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-51.71	-9.89	-9.45	-1436.22	-443.44	-
559.94													
	0.09	0.07	6.25e-03	18.67	18.67	18.67	18.67	30.77	6.17	16.72	268.91	210.48	
307.70													

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
21	ok	0.30						
23	ok	0.31						
60	ok	0.26						
61	ok	0.31						
62	ok	0.31						
74	ok	0.31						
105	ok	0.30						
106	ok	0.27						
107	ok	0.30						
148	ok	0.19						
149	ok	0.14						
150	ok	0.19						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.31						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
4	60.00	1	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
39	ok	0.09	2.73e-02	7.22e-04	18.7	18.7	18.7	18.7	3.5	-1.7	0.2	-795.9	-593.3	249.7
40	ok	0.09	6.84e-02	2.26e-03	18.7	18.7	18.7	18.7	20.2	3.1	-1.0	-2001.7	720.4	319.8
75	ok	0.09	2.92e-02	8.88e-04	18.7	18.7	18.7	18.7	3.8	-0.5	-2.7	-767.0	-457.4	233.3
84	ok	0.09	3.93e-02	2.36e-03	18.7	18.7	18.7	18.7	21.4	5.4	4.8	390.0	112.3	-411.8
85	ok	0.09	3.57e-02	5.85e-04	18.7	18.7	18.7	18.7	2.9	0.7	-1.7	-641.3	1046.8	-331.3
86	ok	0.09	2.75e-02	8.08e-04	18.7	18.7	18.7	18.7	3.3	1.6	4.2	-849.3	-69.4	136.4
92	ok	0.09	8.47e-02	2.86e-03	18.7	18.7	18.7	18.7	19.5	5.8	-6.9	-2222.1	-498.5	875.8
93	ok	0.09	4.32e-02	6.07e-04	18.7	18.7	18.7	18.7	-0.7	-1.5	0.5	-1115.2	-174.6	866.6
141	ok	0.09	1.52e-02	4.02e-04	18.7	18.7	18.7	18.7	-0.9	-2.5	1.1	-260.6	-491.6	154.3
142	ok	0.09	1.10e-02	1.78e-04	18.7	18.7	18.7	18.7	-0.6	-0.2	1.0	141.7	109.3	-291.8
144	ok	0.09	2.89e-02	9.76e-04	18.7	18.7	18.7	18.7	-6.1	-2.2	-1.2	-450.0	-192.7	811.4

161	ok	0.09	6.01e-03	1.98e-04	18.7	18.7	18.7	18.7	0.4	-0.4	1.3	144.7	-9.3	98.0

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-6.15	-2.53	-6.92	-2222.07	-593.31	-
411.84													
	0.09	0.08	2.86e-03	18.67	18.67	18.67	18.67	21.38	5.79	4.82	390.00	1046.80	
875.79													

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
39	ok	0.28						
40	ok	0.57						
75	ok	0.24						
84	ok	0.23						
85	ok	0.57						
86	ok	0.23						
92	ok	0.57						
93	ok	0.57						
141	ok	0.24						
142	ok	0.24						
144	ok	0.28						
161	ok	0.21						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.57						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
7	60.00	1	8	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N Ap	N As	N ps	M Ap	M As	M ps
									daN/cm	daN/cm	daN/cm	daN	daN	daN
47	ok	0.09	3.66e-02	1.62e-04	18.7	18.7	18.7	18.7	-0.8	0.5	-0.2	-417.6	-1191.3	-374.7
49	ok	0.09	5.95e-02	7.50e-04	18.7	18.7	18.7	18.7	1.7	9.2	0.8	547.5	1567.9	801.0
94	ok	0.09	3.39e-02	2.34e-04	18.7	18.7	18.7	18.7	0.9	0.3	-1.43e-02	99.7	1200.1	-230.1
100	ok	0.09	4.87e-02	8.36e-04	18.7	18.7	18.7	18.7	2.6	9.6	-2.2	75.3	1515.3	349.8
101	ok	0.09	3.16e-02	2.16e-04	18.7	18.7	18.7	18.7	0.6	1.9	0.7	347.4	605.0	629.2
102	ok	0.09	1.62e-02	3.56e-04	18.7	18.7	18.7	18.7	0.8	2.2	-2.2	-133.5	436.7	282.1
136	ok	0.09	1.73e-02	1.98e-04	18.7	18.7	18.7	18.7	-0.4	-1.4	-0.5	-33.1	-650.2	-123.5
137	ok	0.09	3.19e-02	1.59e-04	18.7	18.7	18.7	18.7	-1.3	-1.5	-4.49e-02	-221.1	-1140.9	-197.8
138	ok	0.09	1.55e-02	2.14e-04	18.7	18.7	18.7	18.7	-1.5	-0.4	-0.7	219.7	581.2	58.2
139	ok	0.09	1.47e-02	1.16e-04	18.7	18.7	18.7	18.7	-1.0	-0.3	-0.3	-242.8	-303.1	-242.5
140	ok	0.09	1.75e-02	8.23e-05	18.7	18.7	18.7	18.7	0.6	0.4	0.2	-213.6	-373.5	-328.3
143	ok	0.09	1.12e-02	2.78e-05	18.7	18.7	18.7	18.7	-0.1	-8.02e-02	-0.1	158.9	326.6	-147.0

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N Ap	N As	N ps	M Ap	M As	M ps
								-1.55	-1.49	-2.20	-417.57	-1191.26	-
374.70													
	0.09	0.06	8.36e-04	18.66	18.66	18.66	18.66	2.64	9.57	0.75	547.47	1567.92	
801.03													

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
47	ok	0.18						
49	ok	0.28						
94	ok	0.18						
100	ok	0.14						
101	ok	0.28						
102	ok	0.18						
136	ok	0.18						
137	ok	0.28						
138	ok	0.28						
139	ok	0.18						
140	ok	0.18						
143	ok	0.10						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.28						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
9	60.00	1	8	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N Ap	N As	N ps	M Ap	M As	M ps
									daN/cm	daN/cm	daN/cm	daN	daN	daN
14	ok	0.09	0.1	1.07e-02	18.7	18.7	18.7	18.7	38.7	-2.3	-0.4	-3160.2	-182.4	-241.9
15	ok	0.09	4.96e-02	3.40e-03	18.7	18.7	18.7	18.7	22.6	-5.2	0.8	-1254.4	-341.5	291.3
108	ok	0.09	0.1	1.30e-02	18.7	18.7	18.7	18.7	116.0	27.4	-38.3	-2024.5	222.7	255.4
115	ok	0.09	3.26e-02	4.30e-03	18.7	18.7	18.7	18.7	-23.0	-9.1	-5.7	-121.0	501.8	17.4
116	ok	0.09	2.53e-02	2.51e-03	18.7	18.7	18.7	18.7	-10.8	-14.9	9.0	-690.3	375.8	-120.1
117	ok	0.09	6.12e-02	3.21e-03	18.7	18.7	18.7	18.7	-23.0	-1.0	14.0	1214.7	58.8	-771.8
121	ok	0.09	0.1	7.80e-03	18.7	18.7	18.7	18.7	39.9	7.2	13.4	-3102.1	-256.1	-
1365.5														
122	ok	0.09	5.00e-02	2.22e-03	18.7	18.7	18.7	18.7	6.3	0.2	9.7	-440.5	301.4	-
1316.6														
151	ok	0.09	2.04e-02	7.64e-04	18.7	18.7	18.7	18.7	-0.7	1.8	6.0	183.1	264.7	-385.0
152	ok	0.09	2.09e-02	1.42e-03	18.7	18.7	18.7	18.7	-5.6	-10.7	5.2	-349.0	-174.8	200.5
153	ok	0.09	1.54e-02	9.69e-04	18.7	18.7	18.7	18.7	-1.6	0.9	-5.7	-310.8	-217.3	91.9
160	ok	0.09	3.80e-02	3.72e-03	18.7	18.7	18.7	18.7	-9.1	-0.8	-27.9	-616.1	520.1	366.6

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N Ap	N As	N ps	M Ap	M As	M ps
								-23.02	-14.90	-38.34	-3160.23	-341.54	-
1365.54													
	0.09	0.15	0.01	18.66	18.66	18.66	18.66	116.01	27.43	13.99	1214.70	520.08	
366.56													

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
14	ok	0.67						
15	ok	0.32						
108	ok	0.45						
115	ok	0.23						
116	ok	0.67						
117	ok	0.32						
121	ok	0.67						
122	ok	0.67						
151	ok	0.22						
152	ok	0.22						
153	ok	0.13						
160	ok	0.45						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.67						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
11	60.00	1	8	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N Ap	N As	N ps	M Ap	M As	M ps
									daN/cm	daN/cm	daN/cm	daN	daN	daN
3	ok	0.09	9.73e-02	7.74e-03	18.7	18.7	18.7	18.7	39.8	3.4	3.6	1918.3	-141.5	-625.7
10	ok	0.09	3.54e-02	2.34e-03	18.7	18.7	18.7	18.7	-20.2	8.0	-0.4	-768.4	-127.1	-542.5
118	ok	0.09	4.83e-02	3.08e-03	18.7	18.7	18.7	18.7	-21.2	-2.7	-14.1	-758.8	236.8	-833.9
119	ok	0.09	3.75e-02	1.93e-03	18.7	18.7	18.7	18.7	-0.7	-5.1	-1.8	1099.6	-306.2	-196.3
120	ok	0.09	0.1	8.13e-03	18.7	18.7	18.7	18.7	41.1	5.6	-11.4	2229.6	372.9	-
1262.1														
123	ok	0.09	4.57e-02	2.39e-03	18.7	18.7	18.7	18.7	6.9	1.7	-4.9	251.7	369.0	-
1146.4														
124	ok	0.09	9.40e-02	9.36e-03	18.7	18.7	18.7	18.7	30.4	6.8	12.9	-717.7	-1675.4	-
1255.7														
132	ok	0.09	2.98e-02	1.14e-03	18.7	18.7	18.7	18.7	-2.1	-2.6	3.1	1013.8	-712.0	-433.9
135	ok	0.09	2.34e-02	1.98e-03	18.7	18.7	18.7	18.7	-5.5	-1.6	3.3	-409.9	-287.1	-74.0
154	ok	0.09	1.62e-02	7.72e-04	18.7	18.7	18.7	18.7	0.5	-1.1	6.8	67.6	300.4	253.4
155	ok	0.09	1.14e-02	1.15e-03	18.7	18.7	18.7	18.7	2.6	6.5	-4.1	28.3	101.0	-126.5

156	ok	0.09	8.08e-03	4.60e-04	18.7	18.7	18.7	18.7	0.2	-0.4	-1.2	-98.1	-51.5	-177.8

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N Ap	N As	N ps	M Ap	M As	M ps
								-21.23	-5.12	-14.08	-768.42	-1675.45	-
1262.10													
	0.09	0.12	9.36e-03	18.66	18.66	18.66	18.66	41.07	8.01	12.87	2229.61	372.95	
253.38													

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
3	ok	0.63						
10	ok	0.38						
118	ok	0.38						
119	ok	0.63						
120	ok	0.52						
123	ok	0.52						
124	ok	0.63						
132	ok	0.63						
135	ok	0.26						
154	ok	0.14						
155	ok	0.14						
156	ok	0.08						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.63						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
13	60.00	1	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.09	1.98e-02	3.61e-03	18.7	18.7	18.7	18.7	10.1	-35.3	1.5	-71.4	-559.5	515.1
7	ok	0.09	1.92e-02	5.35e-04	18.7	18.7	18.7	18.7	7.37e-02	7.8	0.6	-285.4	-158.2	152.6
127	ok	0.09	1.90e-02	1.67e-03	18.7	18.7	18.7	18.7	-6.0	13.5	-4.2	268.4	91.3	169.1
128	ok	0.09	1.88e-02	8.49e-04	18.7	18.7	18.7	18.7	-3.2	8.6	-2.2	145.1	136.0	355.2
129	ok	0.09	2.93e-02	1.70e-03	18.7	18.7	18.7	18.7	12.3	0.4	2.7	289.7	185.8	257.6
130	ok	0.09	4.35e-02	4.54e-03	18.7	18.7	18.7	18.7	-1.0	2.8	2.9	405.0	1368.4	392.0
131	ok	0.09	5.20e-02	4.18e-03	18.7	18.7	18.7	18.7	-1.5	2.1	2.8	337.7	1357.7	841.9
133	ok	0.09	2.69e-02	1.25e-03	18.7	18.7	18.7	18.7	0.2	7.7	4.8	55.4	-611.4	411.2
134	ok	0.09	3.29e-02	2.94e-03	18.7	18.7	18.7	18.7	-8.8	-1.4	-6.1	112.5	-734.4	227.0
157	ok	0.09	5.49e-03	6.78e-04	18.7	18.7	18.7	18.7	0.8	-0.7	-1.0	30.8	62.7	-43.6
158	ok	0.09	6.61e-03	3.30e-04	18.7	18.7	18.7	18.7	-3.2	0.2	-0.4	-313.2	-18.8	-32.9
159	ok	0.09	9.23e-03	4.84e-04	18.7	18.7	18.7	18.7	5.0	3.6	1.5	88.0	25.5	39.5

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
								-8.80	-35.27	-6.13	-313.19	-734.41	-43.57
	0.09	0.05	4.54e-03	18.67	18.67	18.67	18.67	12.33	13.55	4.77	405.00	1368.44	
841.92													

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
1	ok	0.20						
7	ok	0.26						
127	ok	0.20						
128	ok	0.26						
129	ok	0.26						
130	ok	0.40						
131	ok	0.40						
133	ok	0.40						
134	ok	0.40						
157	ok	0.12						
158	ok	0.12						
159	ok	0.03						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.40						

STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [*normalizzato a 1*]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [*normalizzato a 1*]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [*normalizzato a 1*]
wR	apertura caratteristica delle fessure in combinazioni rare [*mm*]
wF	apertura caratteristica delle fessure in combinazioni frequenti [*mm*]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [*mm*]
dR	massima deformazione in combinazioni rare
dF	massima deformazione in combinazioni frequenti
dP	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
travi	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento

	wR	**wF**	**wP**	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	4.42e-03	9.90e-03	4.59e-03	6,6,10	0.0	0.0	0.0	0,0,0
2	5.49e-03	0.01	5.82e-03	6,6,10	0.0	0.0	0.0	0,0,0
13	5.09e-03	0.01	4.93e-03	6,6,10	0.0	0.0	0.0	0,0,0
14	7.59e-03	0.02	7.10e-03	6,6,10	0.0	0.0	0.0	0,0,0
15	4.62e-03	0.01	4.63e-03	6,6,10	0.0	0.0	0.0	0,0,0
16	4.20e-03	9.17e-03	4.32e-03	6,6,10	0.0	0.0	0.0	0,0,0
25	4.63e-03	9.88e-03	4.76e-03	6,6,10	0.0	0.0	0.0	0,0,0
26	8.65e-03	0.02	8.26e-03	6,6,10	0.0	0.0	0.0	0,0,0
27	7.14e-03	0.01	7.14e-03	6,6,10	0.0	0.0	0.0	0,0,0
28	0.01	0.03	0.01	6,6,10	0.0	0.0	0.0	0,0,0
30	1.92e-03	4.44e-03	1.63e-03	6,6,10	0.0	0.0	0.0	0,0,0
31	2.59e-03	6.51e-03	1.77e-03	6,6,10	0.0	0.0	0.0	0,0,0
38	4.33e-03	0.01	4.29e-03	6,6,10	0.0	0.0	0.0	0,0,0
39	4.34e-03	0.01	4.27e-03	6,6,10	0.0	0.0	0.0	0,0,0
45	2.93e-03	6.32e-03	2.82e-03	6,6,10	0.0	0.0	0.0	0,0,0
46	7.84e-03	0.03	7.35e-03	6,6,10	0.0	0.0	0.0	0,0,0
48	3.64e-03	7.52e-03	3.57e-03	6,6,10	0.0	0.0	0.0	0,0,0
49	7.69e-03	0.02	7.34e-03	6,6,10	0.0	0.0	0.0	0,0,0
52	2.15e-03	6.51e-03	2.13e-03	6,6,10	0.0	0.0	0.0	0,0,0
53	2.61e-03	4.22e-03	2.65e-03	6,6,10	0.0	0.0	0.0	0,0,0
55	3.97e-03	8.48e-03	3.58e-03	6,6,10	0.0	0.0	0.0	0,0,0
56	3.85e-03	8.93e-03	3.53e-03	6,6,10	0.0	0.0	0.0	0,0,0
57	0.01	0.01	9.29e-03	6,6,10	0.0	0.0	0.0	0,0,0
58	8.39e-03	0.02	7.48e-03	6,6,10	0.0	0.0	0.0	0,0,0
61	0.01	0.02	0.01	6,6,10	0.0	0.0	0.0	0,0,0
62	2.15e-03	5.87e-03	2.06e-03	6,6,10	0.0	0.0	0.0	0,0,0
64	2.55e-03	4.79e-03	2.32e-03	6,6,10	0.0	0.0	0.0	0,0,0
65	2.92e-03	5.51e-03	2.56e-03	6,6,10	0.0	0.0	0.0	0,0,0
66	2.08e-03	4.02e-03	1.96e-03	6,6,10	0.0	0.0	0.0	0,0,0
67	3.00e-03	5.72e-03	2.78e-03	6,6,10	0.0	0.0	0.0	0,0,0
68	2.60e-03	7.15e-03	2.83e-03	6,6,10	0.0	0.0	0.0	0,0,0
69	4.60e-03	0.01	4.51e-03	6,6,10	0.0	0.0	0.0	0,0,0
70	5.97e-03	0.01	5.73e-03	6,6,10	0.0	0.0	0.0	0,0,0
71	2.35e-03	5.51e-03	2.16e-03	6,6,10	0.0	0.0	0.0	0,0,0
72	1.92e-03	3.31e-03	2.03e-03	6,6,10	0.0	0.0	0.0	0,0,0
73	3.78e-03	6.32e-03	3.75e-03	6,6,10	0.0	0.0	0.0	0,0,0
74	2.98e-03	5.45e-03	2.95e-03	6,6,10	0.0	0.0	0.0	0,0,0
75	1.34e-03	2.58e-03	1.27e-03	6,6,10	0.0	0.0	0.0	0,0,0
76	1.92e-03	5.73e-03	1.85e-03	6,6,10	0.0	0.0	0.0	0,0,0
77	9.97e-04	5.98e-03	8.82e-04	6,6,10	0.0	0.0	0.0	0,0,0
78	4.99e-04	8.93e-03	4.38e-04	6,6,10	0.0	0.0	0.0	0,0,0
79	3.82e-03	9.00e-03	3.45e-03	6,6,10	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.01	0.03	0.01		0.0	0.0	0.0	

STATO LIMITE D' ESERCIZIO: SLD DANNO SISMICO

LEGENDA TABELLA STATI LIMITE DI DANNO (VERIFICHE RES)

Le verifiche RES per SLD sono effettuate in accordo alle Norme Tecniche 17 Gennaio 2018 e alla circolare n.7 del 21 gennaio 2019 nonché alle linee guida del Consiglio Superiore LL.PP. “Linee guida per la Progettazione, l’Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP”.
Le verifiche RES per SLD, sono riportate nelle successive tabelle nella forma di rapporto “domanda” su “capacità” e hanno esito positivo quando il rapporto è non superiore al valore unitario.
La “domanda” è ottenuta direttamente dall’analisi per le previste combinazioni SLD (NTC18 2.5.3. COMBINAZIONI DELLE AZIONI formula [2.5.5]).
Per “capacità” si intende qui il valore della sollecitazione corrispondente al raggiungimento dello stato limite di danno per la sezione: per la resistenza flessionale questo stato limite si identifica con la tensione di snervamento dell’acciaio o la resistenza massima a compressione per il calcestruzzo e la muratura. Lo stato limite di danno si ritiene attinto anche in caso di superamento della resistenza a taglio.
Le resistenze flessionali sono valutate utilizzando i legami costitutivi del materiale limitati al solo tratto elastico, ottenendo così resistenze sostanzialmente elastiche come previsto dalla norma.
La seguente tabella identifica per quali configurazioni (materiale nuovo, esistente, con rinforzi e metodo di analisi) sono state condotte le verifiche di seguito riportate.

Configurazione	Verifica SLD	NOTE
1) c.a. nuovo e esist. Verifica SLU con q>1	Verifica N/M SE Verifica V/T	Sono verifiche per struttura non dissipativa condotte secondo il cap.4 NTC18 in regime sostanzialmente elastico; si verificano travi,pilastri, setti e gusci.
2) Muratura nuova Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap.7
3) Muratura esis. AO Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8
4) Muratura esis. PO Verifica SLU con q>1	Verifica N/M SE Verifica V	Per N/M identificato SL elastico, per V formulazione secondo cap. 7 e 8; Anche per rinforzi FRP è prevista verifica N/M SE e V

SIMBOLOGIA ADOTTATA NELLE TABELLE DI VERIFICA

Per le verifiche agli SLD di pilastri, travi setti e gusci in *c.a*. è presente una tabella con i simboli di seguito descritti:

Pilas./Trave/ Setto/Guscio	numero identificativo dell'elemento D2 o D3
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Pos.	Posizione nell'elemento della sezione per la quale si riporta la verifica
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd lato cls: valore minore o uguale a 1 per verifica positiva
V V/T acc	Verifica a taglio/torsione con rapporto Ved/Vrd lato acciaio: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche agli SLD di maschi e fasce in *muratura*. è presente una tabella con i simboli di seguito descritti:

Setto/Fascia/Elem.	numero del macroelemento (D3) o elemento (D2) considerato	
Mat.	Materiale	
s=,m=	Indice della sezione e del materiale assegnati all' elemento (per D2)	
Spessore	spessore dell'elemento	
Stato	***ok***	elemento verificato (SLD)
	NV	elemento non verificato (SLD)

e a seguire:

Nodo/Pos.	numero del nodo appartenente al setto / posizione relativa al nodo I per D2
h0/t	valore della snellezza convenzionale
P/Ap	tensione verticale media utilizzata per la verifica a pressoflessione nel piano del muro
P/Acv	tensione verticale media nella parte compressa, utilizzata nella verifica a taglio nel piano del muro
Ver. Mp	rapporto tra il momento di progetto e il momento Mrd in relazione alla verifica Par. 7.8.2.2.1 (pressoflessione complanare) effettuato per tutte le combinazioni
Ver. V	rapporto il taglio di progetto e il taglio ultimo in relazione alla verifica Par. 7.8.2.2.2 (taglio complanare) o C8.7.1.16 della circolare 21-01-19 per edifici esistenti effettuato per tutte le combinazioni (solo per elementi maschi)

Ver. V	rapporto tra il taglio di progetto e il minore dei tagli resistenti Vp e Vt in relazione alla verifica del par. 7.8.2.2.3 (solo per elementi fasce)
Rif. cmb	Combinazioni in cui si hanno i massimi valori dei rapporti Ver. Mp, Ver. V

Per elementi consolidati secondo il paragrafo C8.5.3.1 il programma opera come per gli elementi non rinforzati, considerando ai fini delle analisi e delle verifiche gli opportuni coefficienti correttivi delle rigidezze e delle resistenze.

Per elementi consolidati con FRP il programma implementa le verifiche previste dalle “Linee guida per la Progettazione, l’Esecuzione ed il Collaudo di Interventi di Rinforzo di strutture di c.a., c.a.p. e murarie mediante FRP” approvate dal CSLLPP il 24/07/2009.

Per elementi consolidati con FRCM il programma implementa le verifiche previste dalle CNR-DT 215/2018 *“Istruzioni per la Progettazione, l’Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l’utilizzo di Compositi Fibrorinforzati a Matrice Inorganica”*

Per semplicità la simbologia adottata nelle tabelle è uniformata a quella degli elementi non rinforzati.

Le tabelle riportano inoltre i seguenti parametri:

Fibra	Tipo di fibra del fibrorinforzo
E fibra	Modulo elastico del fibrorinforzo
epsr	Dilatazione di rottura del fibrorinforzo
epsd	Dilatazione di calcolo
epsd(s)	Dilatazione di calcolo per combinazioni sismiche
Spess.	Spessore del fibrorinforzo, il programma prevede l’ applicazione di uno strato di spessore s su entrambe le facce della parete (o sui quattro lati della sezione in caso di confinamento)
AO fib.	Area orizzontale complessiva di fibrorinforzo per metro lineare
AV fib.	Area verticale complessiva di fibrorinforzo per metro lineare

Affinché l’elemento sia verificato deve essere:

Ver. Mp, Ver.V	non superiore a 1

TABELLA VERIFICHE ELEMENTI D3 GUSCI C.A.

Guscio cmb	Stato	Nodo	V N/M	V V/T cls	V V/T acc	Rif. cmb	Nodo	V N/M	V V/T cls	V V/T acc	Rif.
1	ok	29	0.02	0.0	0.0	72,0,0	55	0.02	0.0	0.0	72,0,0
		69	0.01	0.0	0.0	63,0,0	68	0.01	0.0	0.0	65,0,0
2	ok	68	0.02	0.0	0.0	73,0,0	69	0.02	0.0	0.0	59,0,0
		67	0.04	0.0	0.0	71,0,0	31	0.03	0.0	0.0	67,0,0
13	ok	60	0.02	0.0	0.0	64,0,0	21	0.02	0.0	0.0	64,0,0
		61	0.01	0.0	0.0	61,0,0	74	9.95e-03	0.0	0.0	72,0,0
14	ok	74	0.01	0.0	0.0	63,0,0	61	0.01	0.0	0.0	52,0,0
		23	0.05	0.0	0.0	63,0,0	62	0.04	0.0	0.0	63,0,0
15	ok	39	0.02	0.0	0.0	68,0,0	75	0.02	0.0	0.0	74,0,0
		86	0.02	0.0	0.0	71,0,0	85	0.03	0.0	0.0	67,0,0
16	ok	85	0.03	0.0	0.0	69,0,0	86	0.02	0.0	0.0	67,0,0
		84	0.03	0.0	0.0	55,0,0	40	0.04	0.0	0.0	73,0,0
25	ok	79	0.02	0.0	0.0	49,0,0	29	0.02	0.0	0.0	49,0,0
		68	0.01	0.0	0.0	69,0,0	90	0.01	0.0	0.0	73,0,0
26	ok	90	0.01	0.0	0.0	65,0,0	68	0.02	0.0	0.0	73,0,0
		31	0.04	0.0	0.0	73,0,0	80	0.04	0.0	0.0	73,0,0
27	ok	144	0.02	0.0	0.0	69,0,0	39	0.02	0.0	0.0	65,0,0
		85	0.03	0.0	0.0	71,0,0	93	0.04	0.0	0.0	71,0,0
28	ok	93	0.02	0.0	0.0	71,0,0	85	0.02	0.0	0.0	69,0,0
		40	0.06	0.0	0.0	67,0,0	92	0.07	0.0	0.0	73,0,0
30	ok	94	0.03	0.0	0.0	69,0,0	102	0.01	0.0	0.0	73,0,0
		101	0.02	0.0	0.0	73,0,0	47	0.03	0.0	0.0	69,0,0
31	ok	102	0.01	0.0	0.0	71,0,0	100	0.04	0.0	0.0	65,0,0
		49	0.05	0.0	0.0	73,0,0	101	0.03	0.0	0.0	69,0,0
38	ok	21	0.03	0.0	0.0	64,0,0	105	0.03	0.0	0.0	64,0,0
		107	0.01	0.0	0.0	65,0,0	61	0.01	0.0	0.0	61,0,0
39	ok	61	0.02	0.0	0.0	74,0,0	107	0.02	0.0	0.0	64,0,0
		106	0.06	0.0	0.0	63,0,0	23	0.05	0.0	0.0	63,0,0
45	ok	160	0.01	0.0	0.0	67,0,0	115	0.03	0.0	0.0	64,0,0
		15	0.02	0.0	0.0	52,0,0	116	0.02	0.0	0.0	59,0,0
46	ok	108	0.12	0.0	0.0	61,0,0	160	0.03	0.0	0.0	63,0,0
		116	0.02	0.0	0.0	52,0,0	14	0.11	0.0	0.0	61,0,0
48	ok	116	0.02	0.0	0.0	53,0,0	15	0.04	0.0	0.0	64,0,0
		117	0.05	0.0	0.0	64,0,0	122	0.04	0.0	0.0	65,0,0
49	ok	14	0.10	0.0	0.0	65,0,0	116	0.01	0.0	0.0	65,0,0
		122	0.04	0.0	0.0	65,0,0	121	0.11	0.0	0.0	65,0,0
52	ok	123	0.04	0.0	0.0	59,0,0	118	0.04	0.0	0.0	64,0,0
		10	0.03	0.0	0.0	64,0,0	119	0.02	0.0	0.0	65,0,0
53	ok	120	0.09	0.0	0.0	65,0,0	123	0.04	0.0	0.0	65,0,0
		119	0.02	0.0	0.0	67,0,0	3	0.08	0.0	0.0	65,0,0
55	ok	134	0.03	0.0	0.0	65,0,0	127	0.02	0.0	0.0	65,0,0
		128	0.01	0.0	0.0	43,0,0	133	0.02	0.0	0.0	55,0,0
56	ok	133	0.02	0.0	0.0	61,0,0	128	0.02	0.0	0.0	59,0,0
		7	0.02	0.0	0.0	43,0,0	129	0.01	0.0	0.0	44,0,0
57	ok	131	0.04	0.0	0.0	59,0,0	134	0.02	0.0	0.0	55,0,0
		133	0.02	0.0	0.0	55,0,0	130	0.04	0.0	0.0	67,0,0
58	ok	130	0.02	0.0	0.0	65,0,0	133	0.01	0.0	0.0	67,0,0
		129	0.02	0.0	0.0	56,0,0	1	0.01	0.0	0.0	55,0,0
61	ok	3	0.05	0.0	0.0	65,0,0	119	0.03	0.0	0.0	55,0,0
		132	0.02	0.0	0.0	55,0,0	124	0.08	0.0	0.0	65,0,0
62	ok	119	0.03	0.0	0.0	59,0,0	10	0.02	0.0	0.0	59,0,0
		135	0.02	0.0	0.0	52,0,0	132	0.02	0.0	0.0	67,0,0
64	ok	47	0.02	0.0	0.0	69,0,0	101	0.02	0.0	0.0	73,0,0
		138	0.01	0.0	0.0	69,0,0	136	0.01	0.0	0.0	73,0,0
65	ok	101	0.02	0.0	0.0	69,0,0	49	0.03	0.0	0.0	73,0,0
		137	0.03	0.0	0.0	69,0,0	138	0.01	0.0	0.0	73,0,0
66	ok	140	0.01	0.0	0.0	69,0,0	94	0.03	0.0	0.0	69,0,0
		47	0.03	0.0	0.0	69,0,0	139	0.01	0.0	0.0	69,0,0
67	ok	139	0.01	0.0	0.0	68,0,0	47	0.02	0.0	0.0	73,0,0
		136	0.01	0.0	0.0	69,0,0	143	9.12e-03	0.0	0.0	69,0,0
68	ok	145	5.95e-03	0.0	0.0	71,0,0	146	7.35e-03	0.0	0.0	60,0,0
		55	0.02	0.0	0.0	72,0,0	29	0.02	0.0	0.0	68,0,0
69	ok	147	4.84e-03	0.0	0.0	50,0,0	145	7.71e-03	0.0	0.0	69,0,0
		29	0.02	0.0	0.0	49,0,0	79	0.02	0.0	0.0	49,0,0
70	ok	149	0.01	0.0	0.0	65,0,0	148	0.01	0.0	0.0	65,0,0
		21	0.02	0.0	0.0	64,0,0	60	0.02	0.0	0.0	64,0,0

71	ok	148	0.01	0.0	0.0	65,0,0	150	0.01	0.0	0.0	65,0,0
		105	0.04	0.0	0.0	64,0,0	21	0.04	0.0	0.0	64,0,0
72	ok	141	9.06e-03	0.0	0.0	67,0,0	142	8.64e-03	0.0	0.0	69,0,0
		75	0.02	0.0	0.0	68,0,0	39	0.02	0.0	0.0	68,0,0
73	ok	161	5.05e-03	0.0	0.0	69,0,0	141	0.01	0.0	0.0	69,0,0
		39	9.32e-03	0.0	0.0	70,0,0	144	0.01	0.0	0.0	61,0,0
74	ok	115	0.02	0.0	0.0	64,0,0	153	0.01	0.0	0.0	65,0,0
		152	0.02	0.0	0.0	65,0,0	15	0.02	0.0	0.0	64,0,0
75	ok	15	0.04	0.0	0.0	64,0,0	152	0.01	0.0	0.0	65,0,0
		151	0.02	0.0	0.0	65,0,0	117	0.04	0.0	0.0	64,0,0
76	ok	118	0.03	0.0	0.0	64,0,0	154	0.01	0.0	0.0	65,0,0
		155	8.80e-03	0.0	0.0	65,0,0	10	0.03	0.0	0.0	64,0,0
77	ok	10	0.02	0.0	0.0	52,0,0	155	7.87e-03	0.0	0.0	61,0,0
		156	6.24e-03	0.0	0.0	64,0,0	135	0.02	0.0	0.0	64,0,0
78	ok	127	0.02	0.0	0.0	48,0,0	159	7.94e-03	0.0	0.0	43,0,0
		157	4.60e-03	0.0	0.0	65,0,0	128	0.01	0.0	0.0	44,0,0
79	ok	128	9.65e-03	0.0	0.0	43,0,0	157	3.40e-03	0.0	0.0	45,0,0
		158	5.76e-03	0.0	0.0	59,0,0	7	9.01e-03	0.0	0.0	63,0,0

Guscio	**V N/M**	**V V/T cls**	**V V/T acc**	**V N/M**	**V V/T cls**	**V V/T acc**
	0.12	0.0	0.0			