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Management for urban development

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COMMITTENTE

COMUNE DI CURNO
Provincia di Bergamo

DESCRIZIONE

**REALIZZAZIONE DI UN NUOVO BLOCCO
SPOGLIATOI A SERVIZIO DEL CENTRO
SPORTIVO "VIVERE INSIEME"**
Via 4 Novembre, 25/b - Curno (BG)
Progetto esecutivo

DATA

Aprile 2021

TAV. N.

S.6

CONTENUTO TAVOLA

**FASCICOLO DEI CALCOLI DELLE
STRUTTURE**

RISERVATO AGLI UFFICI

IL COMMITTENTE

Comune di Curno (BG)

I PROGETTISTI

Ing. Ilaria Bresciani
Ing. Matteo Bertoni

Ing. Silvia Rossi
Ing. Zeudi Bergomi
Ing. Sergio Consolandi



A NORMA DI LEGGE QUESTO DOCUMENTO E' DI PROPRIETA' ESCLUSIVA DI **Weproject s.r.l.**
NESSUNA SUA PARTE POTRA' ESSERE UTILIZZATA, RIPRODOTTA O CEDUTA A TERZI SENZA ESPLICITA AUTORIZZAZIONE

Fascicolo dei calcoli
impostato e redatto secondo le modalità previste nel D.M. 17 Gennaio
2018 cap. 10 “Redazione dei progetti strutturali esecutivi e delle relazioni
di calcolo”.

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2020-12-191)
Produttore- Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE (Italy) Tel. +39 0532 200091 www.2si.it
Codice Licenza:	Licenza dsi2049

In merito al punto 10.2 delle Norme Tecniche per le Costruzioni (*Affidabilità dei codici utilizzati*), si fa riferimento al **Documento di Affidabilità** “Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST” - versione Agosto 2020, disponibile per il download sul sito: <https://www.2si.it/it/prodotti/affidabilita/>

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RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

- | | |
|----------------|--|
| 9. Esk | caso di carico sismico con analisi statica equivalente |
| 10. Edk | caso di carico sismico con analisi dinamica |

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

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

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

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

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

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione η_T (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \eta_T/h$ da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione η_T , η_P e η_D degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità $1000 \cdot \eta_T/h$ da confrontare direttamente con il valore 2 o 4 per la verifica.

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento d_E , area ridotta e dimensione A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.

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

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata

dE	Spostamento relativo tra le due facce (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elastomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

- 1 $V > 0$
- 2 $Sig s < f_{yk}$
- 3 $Gam t < 5$
- 4 $Gam s < Gam * (caratteristica\ dell'\ elastomero)$
- 5 $Gam s < 2$
- 6 $V < 0.5 V_{cr}$

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.243 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.194 sec.
			fattore q: 1.500
			fattore per spost. mu d: 2.133
			classe di duttilità CD: ND
			numero di modi considerati: 13
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	1.762e+05	1615.90	317.50	0.0	-35.75	1433.50	317.50	0.097	0.596	0.0
213.33	3200.00	713.25	317.50	0.0	-31.75	1401.59	317.50	0.172	3.681	0.0
183.33	2050.00	3249.00	317.50	0.0	-31.75	3249.00	317.50	0.086	0.0	0.0
106.67	3200.00	713.25	317.50	0.0	-31.75	1401.59	317.50	0.172	3.681	0.0
46.67	2050.00	3249.00	317.50	0.0	-31.75	3249.00	317.50	0.086	0.0	0.0
0.0	1.210e+05	695.13	317.84	0.0	-31.75	1356.05	317.50	0.517	0.440	0.001
-90.00	3.253e+04	1027.67	320.05	0.0	-31.75	1335.25	317.50	0.147	0.180	0.008
-180.00	3.575e+04	714.94	319.89	0.0	-31.75	1335.25	317.50	0.517	0.363	0.007
-183.33	1753.65	1426.50	317.50	0.0	-10.58	0.0	0.0	0.0	0.0	0.0
Risulta	3.778e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.496	0.222	0.243	2.66	7.04e-04	2.666e+05	70.6	7.85	2.08e-03	0.0	0.0
2	4.939	0.202	0.243	7.344e+04	19.4	1.709e+04	4.5	81.13	2.15e-02	0.0	0.0
3	5.160	0.194	0.243	1.546e+05	40.9	8030.41	2.1	16.38	4.34e-03	0.0	0.0
4	12.772	0.078	0.200	906.64	0.2	821.08	0.2	2.024e+05	53.6	0.0	0.0
5	13.232	0.076	0.198	39.10	1.03e-02	2.830e+04	7.5	1.523e+04	4.0	0.0	0.0
6	13.643	0.073	0.197	9.88	2.62e-03	31.64	8.37e-03	2.798e+04	7.4	0.0	0.0
7	13.790	0.073	0.196	14.40	3.81e-03	3014.92	0.8	2207.23	0.6	0.0	0.0
8	14.459	0.069	0.194	283.22	7.50e-02	9445.68	2.5	506.17	0.1	0.0	0.0
9	15.055	0.066	0.192	2.729e+04	7.2	402.26	0.1	5.499e+04	14.6	0.0	0.0
10	16.290	0.061	0.189	1.33	3.53e-04	0.14	3.79e-05	0.13	3.55e-05	0.0	0.0
11	16.360	0.061	0.189	41.70	1.10e-02	0.06	1.51e-05	3.733e+04	9.9	0.0	0.0
12	16.952	0.059	0.187	10.05	2.66e-03	2.149e+04	5.7	10.54	2.79e-03	0.0	0.0
13	17.636	0.057	0.186	1.172e+05	31.0	70.68	1.87e-02	4309.37	1.1	0.0	0.0
Risulta				3.739e+05		3.553e+05		3.451e+05			
In percentuale				98.97		94.05		91.36			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C

										fattore di sito S = 1.500
										ordinata spettro (tratto Tb-Tc) = 0.243 g
										angolo di ingresso:0.0
										eccentricità aggiuntiva: negativa
										periodo proprio T1: 0.195 sec.
										fattore q: 1.500
										fattore per spost. mu d: 2.124
										classe di duttilità CD: ND
										numero di modi considerati: 13
										combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	1.762e+05	1615.90	317.50	0.0	35.75	1433.50	317.50	0.097	0.596	0.0
213.33	3200.00	713.25	317.50	0.0	31.75	1401.59	317.50	0.172	3.681	0.0
183.33	2050.00	3249.00	317.50	0.0	31.75	3249.00	317.50	0.086	0.0	0.0
106.67	3200.00	713.25	317.50	0.0	31.75	1401.59	317.50	0.172	3.681	0.0
46.67	2050.00	3249.00	317.50	0.0	31.75	3249.00	317.50	0.086	0.0	0.0
0.0	1.210e+05	695.13	317.84	0.0	31.75	1356.05	317.50	0.517	0.440	0.001
-90.00	3.253e+04	1027.67	320.05	0.0	31.75	1335.25	317.50	0.147	0.180	0.008
-180.00	3.575e+04	714.94	319.89	0.0	31.75	1335.25	317.50	0.517	0.363	0.007
-183.33	1753.65	1426.50	317.50	0.0	10.58	0.0	0.0	0.0	0.0	0.0
Risulta	3.778e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.495	0.222	0.243	386.45	0.1	2.655e+05	70.3	9.20	2.44e-03	0.0	0.0
2	4.980	0.201	0.243	4.460e+04	11.8	2.369e+04	6.3	2.45	6.50e-04	0.0	0.0
3	5.119	0.195	0.243	1.831e+05	48.5	2560.31	0.7	100.73	2.67e-02	0.0	0.0
4	12.780	0.078	0.200	721.03	0.2	396.45	0.1	2.082e+05	55.1	0.0	0.0
5	13.222	0.076	0.198	373.82	9.90e-02	2.881e+04	7.6	7489.08	2.0	0.0	0.0
6	13.643	0.073	0.197	8.69	2.30e-03	29.29	7.75e-03	2.991e+04	7.9	0.0	0.0
7	13.790	0.073	0.196	4.95	1.31e-03	3001.47	0.8	748.00	0.2	0.0	0.0
8	14.452	0.069	0.194	793.65	0.2	9240.07	2.4	4351.25	1.2	0.0	0.0
9	15.066	0.066	0.192	2.672e+04	7.1	231.08	6.12e-02	5.246e+04	13.9	0.0	0.0
10	16.290	0.061	0.189	0.54	1.44e-04	0.21	5.68e-05	0.57	1.51e-04	0.0	0.0
11	16.360	0.061	0.189	42.01	1.11e-02	0.24	6.31e-05	3.734e+04	9.9	0.0	0.0
12	16.934	0.059	0.187	2689.30	0.7	2.186e+04	5.8	436.03	0.1	0.0	0.0
13	17.645	0.057	0.186	1.142e+05	30.2	19.36	5.12e-03	4069.56	1.1	0.0	0.0
Risulta				3.736e+05		3.553e+05		3.451e+05			
In percentuale				98.89		94.05		91.36			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.243 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.233 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.941
			classe di duttilità CD: ND
			numero di modi considerati: 13
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	1.762e+05	1615.90	317.50	166.42	0.0	1433.50	317.50	0.097	0.596	0.0
213.33	3200.00	713.25	317.50	71.33	0.0	1401.59	317.50	0.172	3.681	0.0
183.33	2050.00	3249.00	317.50	0.0	0.0	3249.00	317.50	0.086	0.0	0.0
106.67	3200.00	713.25	317.50	71.33	0.0	1401.59	317.50	0.172	3.681	0.0
46.67	2050.00	3249.00	317.50	0.0	0.0	3249.00	317.50	0.086	0.0	0.0
0.0	1.210e+05	695.13	317.84	71.33	0.0	1356.05	317.50	0.517	0.440	0.001
-90.00	3.253e+04	1027.67	320.05	162.45	0.0	1335.25	317.50	0.147	0.180	0.008
-180.00	3.575e+04	714.94	319.89	71.33	0.0	1335.25	317.50	0.517	0.363	0.007
-183.33	1753.65	1426.50	317.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Risulta	3.778e+05									
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Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.288	0.233	0.243	3.27	8.65e-04	1.853e+05	49.1	0.42	1.12e-04	0.0	0.0
2	5.085	0.197	0.243	2.162e+05	57.2	5248.47	1.4	94.01	2.49e-02	0.0	0.0
3	5.208	0.192	0.243	1.187e+04	3.1	9.905e+04	26.2	19.31	5.11e-03	0.0	0.0
4	12.780	0.078	0.200	789.99	0.2	398.85	0.1	2.083e+05	55.1	0.0	0.0
5	13.378	0.075	0.197	29.81	7.89e-03	2.702e+04	7.2	9565.26	2.5	0.0	0.0
6	13.644	0.073	0.197	9.40	2.49e-03	0.02	4.48e-06	2.910e+04	7.7	0.0	0.0
7	13.790	0.073	0.196	0.36	9.45e-05	2676.30	0.7	894.37	0.2	0.0	0.0
8	14.650	0.068	0.193	77.65	2.06e-02	1.089e+04	2.9	1419.27	0.4	0.0	0.0
9	15.060	0.066	0.192	2.714e+04	7.2	2.58	6.83e-04	5.410e+04	14.3	0.0	0.0
10	16.291	0.061	0.189	1.46e-04	0.0	1.98	5.24e-04	0.10	2.73e-05	0.0	0.0
11	16.360	0.061	0.189	40.85	1.08e-02	0.09	2.43e-05	3.731e+04	9.9	0.0	0.0
12	17.221	0.058	0.187	1517.10	0.4	2.593e+04	6.9	251.71	6.66e-02	0.0	0.0
13	17.662	0.057	0.186	1.170e+05	31.0	194.98	5.16e-02	4135.39	1.1	0.0	0.0
Risulta				3.746e+05		3.567e+05		3.452e+05			
In percentuale				99.17		94.43		91.38			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.243 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.226 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.972
			classe di duttilità CD: ND
			numero di modi considerati: 13
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	1.762e+05	1615.90	317.50	-166.42	0.0	1433.50	317.50	0.097	0.596	0.0
213.33	3200.00	713.25	317.50	-71.33	0.0	1401.59	317.50	0.172	3.681	0.0
183.33	2050.00	3249.00	317.50	0.0	0.0	3249.00	317.50	0.086	0.0	0.0
106.67	3200.00	713.25	317.50	-71.33	0.0	1401.59	317.50	0.172	3.681	0.0
46.67	2050.00	3249.00	317.50	0.0	0.0	3249.00	317.50	0.086	0.0	0.0
0.0	1.210e+05	695.13	317.84	-71.33	0.0	1356.05	317.50	0.517	0.440	0.001
-90.00	3.253e+04	1027.67	320.05	-162.45	0.0	1335.25	317.50	0.147	0.180	0.008
-180.00	3.575e+04	714.94	319.89	-71.33	0.0	1335.25	317.50	0.517	0.363	0.007
-183.33	1753.65	1426.50	317.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	3.778e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.427	0.226	0.243	277.33	7.34e-02	2.849e+05	75.4	25.25	6.68e-03	0.0	0.0
2	5.091	0.196	0.243	2.252e+05	59.6	786.80	0.2	73.60	1.95e-02	0.0	0.0
3	5.228	0.191	0.243	2528.70	0.7	8206.68	2.2	6.23	1.65e-03	0.0	0.0
4	12.773	0.078	0.200	756.37	0.2	1174.63	0.3	2.004e+05	53.1	0.0	0.0
5	13.055	0.077	0.199	61.77	1.64e-02	3.200e+04	8.5	1.481e+04	3.9	0.0	0.0
6	13.644	0.073	0.197	9.39	2.48e-03	3.51e-03	0.0	2.912e+04	7.7	0.0	0.0
7	13.785	0.073	0.196	1.01	2.67e-04	2957.82	0.8	2101.69	0.6	0.0	0.0
8	14.279	0.070	0.194	12.89	3.41e-03	9114.24	2.4	2702.85	0.7	0.0	0.0
9	15.062	0.066	0.192	2.724e+04	7.2	2.98	7.88e-04	5.419e+04	14.3	0.0	0.0
10	16.290	0.061	0.189	0.17	4.53e-05	0.95	2.52e-04	6.56e-04	0.0	0.0	0.0
11	16.360	0.061	0.189	41.03	1.09e-02	0.11	2.91e-05	3.732e+04	9.9	0.0	0.0
12	16.851	0.059	0.188	395.88	0.1	1.546e+04	4.1	99.84	2.64e-02	0.0	0.0
13	17.659	0.057	0.186	1.181e+05	31.3	13.53	3.58e-03	4182.41	1.1	0.0	0.0
Risulta				3.747e+05		3.546e+05		3.451e+05			
In percentuale				99.17		93.87		91.35			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.134 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.194 sec.
			numero di modi considerati: 13
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	1.762e+05	1615.90	317.50	0.0	-35.75	1433.50	317.50	0.097	0.596	0.0
213.33	3200.00	713.25	317.50	0.0	-31.75	1401.59	317.50	0.172	3.681	0.0
183.33	2050.00	3249.00	317.50	0.0	-31.75	3249.00	317.50	0.086	0.0	0.0
106.67	3200.00	713.25	317.50	0.0	-31.75	1401.59	317.50	0.172	3.681	0.0
46.67	2050.00	3249.00	317.50	0.0	-31.75	3249.00	317.50	0.086	0.0	0.0
0.0	1.210e+05	695.13	317.84	0.0	-31.75	1356.05	317.50	0.517	0.440	0.001
-90.00	3.253e+04	1027.67	320.05	0.0	-31.75	1335.25	317.50	0.147	0.180	0.008
-180.00	3.575e+04	714.94	319.89	0.0	-31.75	1335.25	317.50	0.517	0.363	0.007
-183.33	1753.65	1426.50	317.50	0.0	-10.58	0.0	0.0	0.0	0.0	0.0
Risulta	3.778e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.496	0.222	0.134	2.66	7.04e-04	2.666e+05	70.6	7.85	2.08e-03	0.0	0.0
2	4.939	0.202	0.134	7.344e+04	19.4	1.709e+04	4.5	81.13	2.15e-02	0.0	0.0
3	5.160	0.194	0.134	1.546e+05	40.9	8030.41	2.1	16.38	4.34e-03	0.0	0.0
4	12.772	0.078	0.105	906.64	0.2	821.08	0.2	2.024e+05	53.6	0.0	0.0
5	13.232	0.076	0.103	39.10	1.03e-02	2.830e+04	7.5	1.523e+04	4.0	0.0	0.0
6	13.643	0.073	0.101	9.88	2.62e-03	31.64	8.37e-03	2.798e+04	7.4	0.0	0.0
7	13.790	0.073	0.101	14.40	3.81e-03	3014.92	0.8	2207.23	0.6	0.0	0.0
8	14.459	0.069	0.099	283.22	7.50e-02	9445.68	2.5	506.17	0.1	0.0	0.0
9	15.055	0.066	0.097	2.729e+04	7.2	402.26	0.1	5.499e+04	14.6	0.0	0.0
10	16.290	0.061	0.094	1.33	3.53e-04	0.14	3.79e-05	0.13	3.55e-05	0.0	0.0
11	16.360	0.061	0.093	41.70	1.10e-02	0.06	1.51e-05	3.733e+04	9.9	0.0	0.0
12	16.952	0.059	0.092	10.05	2.66e-03	2.149e+04	5.7	10.54	2.79e-03	0.0	0.0
13	17.636	0.057	0.091	1.172e+05	31.0	70.68	1.87e-02	4309.37	1.1	0.0	0.0
Risulta				3.739e+05		3.553e+05		3.451e+05			
In percentuale				98.97		94.05		91.36			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.134 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.195 sec.
			numero di modi considerati: 13
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	1.762e+05	1615.90	317.50	0.0	35.75	1433.50	317.50	0.097	0.596	0.0
213.33	3200.00	713.25	317.50	0.0	31.75	1401.59	317.50	0.172	3.681	0.0
183.33	2050.00	3249.00	317.50	0.0	31.75	3249.00	317.50	0.086	0.0	0.0
106.67	3200.00	713.25	317.50	0.0	31.75	1401.59	317.50	0.172	3.681	0.0
46.67	2050.00	3249.00	317.50	0.0	31.75	3249.00	317.50	0.086	0.0	0.0
0.0	1.210e+05	695.13	317.84	0.0	31.75	1356.05	317.50	0.517	0.440	0.001
-90.00	3.253e+04	1027.67	320.05	0.0	31.75	1335.25	317.50	0.147	0.180	0.008
-180.00	3.575e+04	714.94	319.89	0.0	31.75	1335.25	317.50	0.517	0.363	0.007
-183.33	1753.65	1426.50	317.50	0.0	10.58	0.0	0.0	0.0	0.0	0.0
Risulta	3.778e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.495	0.222	0.134	386.45	0.1	2.655e+05	70.3	9.20	2.44e-03	0.0	0.0
2	4.980	0.201	0.134	4.460e+04	11.8	2.369e+04	6.3	2.45	6.50e-04	0.0	0.0
3	5.119	0.195	0.134	1.831e+05	48.5	2560.31	0.7	100.73	2.67e-02	0.0	0.0
4	12.780	0.078	0.105	721.03	0.2	396.45	0.1	2.082e+05	55.1	0.0	0.0
5	13.222	0.076	0.103	373.82	9.90e-02	2.881e+04	7.6	7489.08	2.0	0.0	0.0
6	13.643	0.073	0.101	8.69	2.30e-03	29.29	7.75e-03	2.991e+04	7.9	0.0	0.0
7	13.790	0.073	0.101	4.95	1.31e-03	3001.47	0.8	748.00	0.2	0.0	0.0
8	14.452	0.069	0.099	793.65	0.2	9240.07	2.4	4351.25	1.2	0.0	0.0
9	15.066	0.066	0.097	2.672e+04	7.1	231.08	6.12e-02	5.246e+04	13.9	0.0	0.0
10	16.290	0.061	0.094	0.54	1.44e-04	0.21	5.68e-05	0.57	1.51e-04	0.0	0.0
11	16.360	0.061	0.093	42.01	1.11e-02	0.24	6.31e-05	3.734e+04	9.9	0.0	0.0
12	16.934	0.059	0.092	2689.30	0.7	2.186e+04	5.8	436.03	0.1	0.0	0.0
13	17.645	0.057	0.091	1.142e+05	30.2	19.36	5.12e-03	4069.56	1.1	0.0	0.0
Risulta				3.736e+05		3.553e+05		3.451e+05			
In percentuale				98.89		94.05		91.36			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.134 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.233 sec.
			numero di modi considerati: 13
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	1.762e+05	1615.90	317.50	166.42	0.0	1433.50	317.50	0.097	0.596	0.0
213.33	3200.00	713.25	317.50	71.33	0.0	1401.59	317.50	0.172	3.681	0.0
183.33	2050.00	3249.00	317.50	0.0	0.0	3249.00	317.50	0.086	0.0	0.0
106.67	3200.00	713.25	317.50	71.33	0.0	1401.59	317.50	0.172	3.681	0.0
46.67	2050.00	3249.00	317.50	0.0	0.0	3249.00	317.50	0.086	0.0	0.0
0.0	1.210e+05	695.13	317.84	71.33	0.0	1356.05	317.50	0.517	0.440	0.001
-90.00	3.253e+04	1027.67	320.05	162.45	0.0	1335.25	317.50	0.147	0.180	0.008
-180.00	3.575e+04	714.94	319.89	71.33	0.0	1335.25	317.50	0.517	0.363	0.007
-183.33	1753.65	1426.50	317.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	3.778e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.288	0.233	0.134	3.27	8.65e-04	1.853e+05	49.1	0.42	1.12e-04	0.0	0.0
2	5.085	0.197	0.134	2.162e+05	57.2	5248.47	1.4	94.01	2.49e-02	0.0	0.0
3	5.208	0.192	0.134	1.187e+04	3.1	9.905e+04	26.2	19.31	5.11e-03	0.0	0.0
4	12.780	0.078	0.105	789.99	0.2	398.85	0.1	2.083e+05	55.1	0.0	0.0
5	13.378	0.075	0.102	29.81	7.89e-03	2.702e+04	7.2	9565.26	2.5	0.0	0.0
6	13.644	0.073	0.101	9.40	2.49e-03	0.02	4.48e-06	2.910e+04	7.7	0.0	0.0
7	13.790	0.073	0.101	0.36	9.45e-05	2676.30	0.7	894.37	0.2	0.0	0.0
8	14.650	0.068	0.098	77.65	2.06e-02	1.089e+04	2.9	1419.27	0.4	0.0	0.0
9	15.060	0.066	0.097	2.714e+04	7.2	2.58	6.83e-04	5.410e+04	14.3	0.0	0.0
10	16.291	0.061	0.094	1.46e-04	0.0	1.98	5.24e-04	0.10	2.73e-05	0.0	0.0
11	16.360	0.061	0.093	40.85	1.08e-02	0.09	2.43e-05	3.731e+04	9.9	0.0	0.0
12	17.221	0.058	0.091	1517.10	0.4	2.593e+04	6.9	251.71	6.66e-02	0.0	0.0
13	17.662	0.057	0.090	1.170e+05	31.0	194.98	5.16e-02	4135.39	1.1	0.0	0.0
Risulta				3.746e+05		3.567e+05		3.452e+05			
In percentuale				99.17		94.43		91.38			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.134 g
			angolo di ingresso:90.00

			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.226 sec.
			numero di modi considerati: 13
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
320.00	1.762e+05	1615.90	317.50	-166.42	0.0	1433.50	317.50	0.097	0.596	0.0
213.33	3200.00	713.25	317.50	-71.33	0.0	1401.59	317.50	0.172	3.681	0.0
183.33	2050.00	3249.00	317.50	0.0	0.0	3249.00	317.50	0.086	0.0	0.0
106.67	3200.00	713.25	317.50	-71.33	0.0	1401.59	317.50	0.172	3.681	0.0
46.67	2050.00	3249.00	317.50	0.0	0.0	3249.00	317.50	0.086	0.0	0.0
0.0	1.210e+05	695.13	317.84	-71.33	0.0	1356.05	317.50	0.517	0.440	0.001
-90.00	3.253e+04	1027.67	320.05	-162.45	0.0	1335.25	317.50	0.147	0.180	0.008
-180.00	3.575e+04	714.94	319.89	-71.33	0.0	1335.25	317.50	0.517	0.363	0.007
-183.33	1753.65	1426.50	317.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	3.778e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.427	0.226	0.134	277.33	7.34e-02	2.849e+05	75.4	25.25	6.68e-03	0.0	0.0
2	5.091	0.196	0.134	2.252e+05	59.6	786.80	0.2	73.60	1.95e-02	0.0	0.0
3	5.228	0.191	0.134	2528.70	0.7	8206.68	2.2	6.23	1.65e-03	0.0	0.0
4	12.773	0.078	0.105	756.37	0.2	1174.63	0.3	2.004e+05	53.1	0.0	0.0
5	13.055	0.077	0.103	61.77	1.64e-02	3.200e+04	8.5	1.481e+04	3.9	0.0	0.0
6	13.644	0.073	0.101	9.39	2.48e-03	3.51e-03	0.0	2.912e+04	7.7	0.0	0.0
7	13.785	0.073	0.101	1.01	2.67e-04	2957.82	0.8	2101.69	0.6	0.0	0.0
8	14.279	0.070	0.099	12.89	3.41e-03	9114.24	2.4	2702.85	0.7	0.0	0.0
9	15.062	0.066	0.097	2.724e+04	7.2	2.98	7.88e-04	5.419e+04	14.3	0.0	0.0
10	16.290	0.061	0.094	0.17	4.53e-05	0.95	2.52e-04	6.56e-04	0.0	0.0	0.0
11	16.360	0.061	0.093	41.03	1.09e-02	0.11	2.91e-05	3.732e+04	9.9	0.0	0.0
12	16.851	0.059	0.092	395.88	0.1	1.546e+04	4.1	99.84	2.64e-02	0.0	0.0
13	17.659	0.057	0.090	1.181e+05	31.3	13.53	3.58e-03	4182.41	1.1	0.0	0.0
Risulta				3.747e+05		3.546e+05		3.451e+05			
In percentuale				99.17		93.87		91.35			

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
55	1	0.15	0.01	95.0	2	0.15	0.01	95.0	7	0.15	0.01	95.0
	8	0.19	0.02	95.0	11	0.34	0.11	320.0	13	0.098	0.03e-03	90.0
	14	0.097	6.7e-03	90.0	19	0.032	4.0e-03	90.0	20	0.032	3.7e-03	90.0
	23	0.29	0.12	410.0	24	0.35	0.14	410.0	25	0.022	2.17e-03	90.0
	26	0.021	8.7e-03	90.0	28	0.065	0.08e-03	90.0	31	0.087	2.27e-03	90.0
	32	0.098	3.4e-03	90.0	36	0.37	0.15	410.0	81	0.41	0.13	320.0
	129	0.35	0.11	320.0	130	0.35	0.11	320.0	132	0.34	0.14	410.0
	133	0.39	0.16	410.0	134	0.41	0.17	410.0	135	0.34	0.11	320.0
	136	0.32	0.13	410.0	137	0.36	0.15	410.0	138	0.033	2.20e-03	95.0
	139	0.22	0.02	95.0	140	0.35	0.11	320.0	141	0.076	0.32e-03	90.0
142	0.119	4.6e-03	90.0	143	0.087	6.0e-03	90.0					
56	1	0.25	0.02	95.0	2	0.26	0.02	95.0	7	0.109	4.8e-03	95.0
	8	0.077	0.00e-03	95.0	11	0.42	0.13	320.0	13	0.043	3.49e-03	90.0
	14	0.043	3.27e-03	90.0	19	0.14	0.01	90.0	20	0.098	0.24e-03	90.0
	23	0.34	0.14	410.0	24	0.35	0.14	410.0	25	0.043	3.51e-03	90.0
	26	0.054	2.5e-03	90.0	28	0.15	0.01	90.0	31	0.21	0.02	90.0
	32	0.21	0.02	90.0	36	0.35	0.14	410.0	81	0.34	0.11	320.0
	129	0.39	0.12	320.0	130	0.39	0.12	320.0	132	0.28	0.12	410.0
	133	0.29	0.12	410.0	134	0.29	0.12	410.0	135	0.41	0.13	320.0
	136	0.34	0.14	410.0	137	0.28	0.12	410.0	138	0.22	0.02	95.0
	139	0.088	0.00e-03	95.0	140	0.42	0.13	320.0	141	0.032	2.47e-03	90.0
142	0.032	9.6e-03	90.0	143	0.032	5.2e-03	90.0					
57	1	0.076	4.0e-03	95.0	2	0.087	9.3e-03	95.0	7	0.29	0.03	95.0
	8	0.29	0.03	95.0	11	0.42	0.13	320.0	13	0.20	0.02	90.0
	14	0.18	0.02	90.0	19	0.108	5.8e-03	90.0	20	0.087	2.24e-03	90.0
	23	0.35	0.14	410.0	24	0.35	0.14	410.0	25	0.28	0.03	90.0
	26	0.27	0.02	90.0	28	0.021	8.9e-03	90.0	31	0.043	3.50e-03	90.0
	32	0.021	7.5e-03	90.0	36	0.34	0.14	410.0	81	0.37	0.12	320.0
	129	0.42	0.13	320.0	130	0.41	0.13	320.0	132	0.31	0.13	410.0
	133	0.30	0.12	410.0	134	0.30	0.12	410.0	135	0.42	0.13	320.0
	136	0.35	0.14	410.0	137	0.30	0.12	410.0	138	0.033	2.21e-03	95.0
	139	0.16	0.02	95.0	140	0.42	0.13	320.0	141	0.14	0.01	90.0
142	0.15	0.01	90.0	143	0.19	0.02	90.0					
58	1	0.14	0.01	95.0	2	0.16	0.02	95.0	7	0.18	0.02	95.0
	8	0.17	0.02	95.0	11	0.32	0.10	320.0	13	0.086	7.8e-03	90.0

59	14	0.075.86e-03	90.0	19	0.032.64e-03	90.0	20	0.043.68e-03	90.0
	23	0.29 0.12	410.0	24	0.35 0.14	410.0	25	0.032.88e-03	90.0
	26	0.098.46e-03	90.0	28	0.076.32e-03	90.0	31	0.098.35e-03	90.0
	32	0.12 0.01	90.0	36	0.38 0.16	410.0	81	0.41 0.13	320.0
	129	0.36 0.11	320.0	130	0.36 0.11	320.0	132	0.35 0.14	410.0
	133	0.41 0.17	410.0	134	0.43 0.18	410.0	135	0.33 0.10	320.0
	136	0.31 0.13	410.0	137	0.37 0.15	410.0	138	0.11 0.01	95.0
	139	0.043.40e-03	95.0	140	0.33 0.10	320.0	141	0.054.18e-03	90.0
	142	0.065.23e-03	90.0	143	0.097.89e-03	90.0			
	1	0.076.71e-03	95.0	2	0.087.52e-03	95.0	7	0.23 0.02	95.0
60	8	0.24 0.02	95.0	11	0.38 0.12	320.0	13	0.087.02e-03	90.0
	14	0.109.43e-03	90.0	19	0.033.01e-03	90.0	20	0.032.67e-03	90.0
	23	0.32 0.13	410.0	24	0.35 0.14	410.0	25	0.20 0.02	90.0
	26	0.20 0.02	90.0	28	0.043.63e-03	90.0	31	0.054.37e-03	90.0
	32	0.065.60e-03	90.0	36	0.36 0.15	410.0	81	0.38 0.12	320.0
	129	0.36 0.12	320.0	130	0.37 0.12	320.0	132	0.31 0.13	410.0
	133	0.33 0.13	410.0	134	0.34 0.14	410.0	135	0.38 0.12	320.0
	136	0.33 0.14	410.0	137	0.32 0.13	410.0	138	4.51e-034.29e-04	95.0
	139	0.25 0.02	95.0	140	0.39 0.12	320.0	141	0.021.76e-03	90.0
	142	0.087.61e-03	90.0	143	0.14 0.01	90.0			
61	1	0.28 0.03	95.0	2	0.28 0.03	95.0	7	0.076.67e-03	95.0
	8	0.088.03e-03	95.0	11	0.40 0.13	320.0	13	0.076.49e-03	90.0
	14	0.075.99e-03	90.0	19	0.17 0.02	90.0	20	0.16 0.01	90.0
	23	0.31 0.13	410.0	24	0.30 0.12	410.0	25	0.022.25e-03	90.0
	26	0.022.21e-03	90.0	28	0.17 0.02	90.0	31	0.24 0.02	90.0
	32	0.25 0.02	90.0	36	0.30 0.12	410.0	81	0.39 0.12	320.0
	129	0.39 0.13	320.0	130	0.39 0.13	320.0	132	0.32 0.13	410.0
	133	0.31 0.13	410.0	134	0.31 0.13	410.0	135	0.39 0.13	320.0
	136	0.31 0.13	410.0	137	0.31 0.13	410.0	138	0.24 0.02	95.0
	139	0.054.43e-03	95.0	140	0.40 0.13	320.0	141	0.054.52e-03	90.0
62	142	0.054.83e-03	90.0	143	0.032.34e-03	90.0			
	1	0.043.98e-03	95.0	2	0.065.77e-03	95.0	7	0.32 0.03	95.0
	8	0.32 0.03	95.0	11	0.40 0.13	320.0	13	0.23 0.02	90.0
	14	0.21 0.02	90.0	19	0.13 0.01	90.0	20	0.119.99e-03	90.0
	23	0.32 0.13	410.0	24	0.31 0.13	410.0	25	0.32 0.03	90.0
	26	0.30 0.03	90.0	28	0.043.63e-03	90.0	31	0.076.67e-03	90.0
	32	0.044.05e-03	90.0	36	0.30 0.12	410.0	81	0.41 0.13	320.0
	129	0.43 0.14	320.0	130	0.42 0.14	320.0	132	0.34 0.14	410.0
	133	0.33 0.14	410.0	134	0.33 0.14	410.0	135	0.41 0.13	320.0
	136	0.31 0.13	410.0	137	0.34 0.14	410.0	138	0.043.53e-03	95.0
63	139	0.18 0.02	95.0	140	0.40 0.13	320.0	141	0.16 0.01	90.0
	142	0.17 0.02	90.0	143	0.21 0.02	90.0			
	1	0.19 0.02	95.0	2	0.20 0.02	95.0	7	0.098.43e-03	95.0
	8	0.109.87e-03	95.0	11	0.36 0.11	320.0	13	0.043.83e-03	90.0
	14	0.043.17e-03	90.0	19	0.065.64e-03	90.0	20	0.076.38e-03	90.0
	23	0.31 0.13	410.0	24	0.35 0.14	410.0	25	0.11 0.01	90.0
	26	0.11 0.01	90.0	28	0.076.64e-03	90.0	31	0.021.42e-03	90.0
	32	0.022.15e-03	90.0	36	0.36 0.15	410.0	81	0.37 0.12	320.0
	129	0.36 0.12	320.0	130	0.37 0.12	320.0	132	0.32 0.13	410.0
	133	0.35 0.14	410.0	134	0.36 0.15	410.0	135	0.36 0.11	320.0
64	136	0.33 0.14	410.0	137	0.33 0.14	410.0	138	0.13 0.01	95.0
	139	0.055.21e-03	95.0	140	0.36 0.12	320.0	141	0.022.15e-03	90.0
	142	0.032.71e-03	90.0	143	0.065.70e-03	90.0			
	1	0.087.76e-03	95.0	2	0.043.77e-03	95.0	7	0.27 0.03	95.0
	8	0.27 0.03	95.0	11	0.37 0.12	320.0	13	0.17 0.02	90.0
	14	0.108.56e-03	90.0	19	0.076.65e-03	90.0	20	0.065.56e-03	90.0
	23	0.30 0.12	410.0	24	0.30 0.12	410.0	25	0.25 0.02	90.0
	26	0.24 0.02	90.0	28	0.032.43e-03	90.0	31	0.032.94e-03	90.0
	32	0.032.64e-03	90.0	36	0.30 0.13	410.0	81	0.43 0.14	320.0
	129	0.38 0.12	320.0	130	0.38 0.12	320.0	132	0.34 0.14	410.0
65	133	0.35 0.14	410.0	134	0.35 0.14	410.0	135	0.37 0.12	320.0
	136	0.30 0.12	410.0	137	0.34 0.14	410.0	138	0.033.24e-03	95.0
	139	0.23 0.02	95.0	140	0.37 0.12	320.0	141	0.044.01e-03	90.0
	142	0.043.94e-03	90.0	143	0.25 0.02	90.0			
	1	0.18 0.02	95.0	2	0.20 0.02	95.0	7	0.109.58e-03	95.0
	8	0.12 0.01	95.0	11	0.42 0.13	320.0	13	0.054.36e-03	90.0
	14	0.043.77e-03	90.0	19	0.065.23e-03	90.0	20	0.065.64e-03	90.0
	23	0.36 0.15	410.0	24	0.39 0.16	410.0	25	0.12 0.01	90.0
	26	0.12 0.01	90.0	28	0.032.43e-03	90.0	31	0.065.74e-03	90.0
	32	0.054.45e-03	90.0	36	0.42 0.17	410.0	81	0.34 0.11	320.0
65	129	0.38 0.12	320.0	130	0.39 0.12	320.0	132	0.29 0.12	410.0
	133	0.34 0.14	410.0	134	0.36 0.15	410.0	135	0.41 0.13	320.0
	136	0.37 0.15	410.0	137	0.31 0.13	410.0	138	0.18 0.02	95.0
	139	0.054.37e-03	95.0	140	0.42 0.14	320.0	141	0.021.45e-03	90.0
	142	0.065.13e-03	90.0	143	0.15 0.01	90.0			
	1	0.098.22e-03	95.0	2	0.109.11e-03	95.0	7	0.22 0.02	95.0
	8	0.23 0.02	95.0	11	0.41 0.13	320.0	13	0.12 0.01	90.0
	14	0.119.99e-03	90.0	19	0.021.71e-03	90.0	20	0.021.38e-03	90.0
	23	0.36 0.15	410.0	24	0.39 0.16	410.0	25	0.19 0.02	90.0
	26	0.17 0.02	90.0	28	0.043.31e-03	90.0	31	0.054.68e-03	90.0

66	32	0.076.18e-03	90.0	36	0.41	0.17	410.0	81	0.36	0.12	320.0	
	129	0.40	0.13	320.0	130	0.40	0.13	320.0	132	0.32	0.13	410.0
	133	0.35	0.15	410.0	134	0.37	0.15	410.0	135	0.40	0.13	320.0
	136	0.38	0.15	410.0	137	0.33	0.14	410.0	138	0.043.86e-03		95.0
	139	0.16	0.02	95.0	140	0.42	0.13	320.0	141	0.098.41e-03		90.0
	142	0.011.29e-03	90.0	143	0.065.65e-03		90.0					
	1	0.23	0.02	95.0	2	0.24	0.02	95.0	7	0.098.53e-03		95.0
	8	0.022.15e-03	95.0	11	0.34	0.11	320.0	13	0.022.16e-03		90.0	
	14	0.022.08e-03	90.0	19	0.086.83e-03		90.0	20	0.021.91e-03		90.0	
	23	0.29	0.12	410.0	24	0.30	0.12	410.0	25	0.075.98e-03		90.0
	26	0.076.52e-03	90.0	28	0.14	0.01	90.0	31	0.18	0.02	90.0	
	32	0.19	0.02	90.0	36	0.31	0.13	410.0	81	0.42	0.14	320.0
67	129	0.37	0.12	320.0	130	0.37	0.12	320.0	132	0.35	0.15	410.0
	133	0.37	0.15	410.0	134	0.37	0.15	410.0	135	0.34	0.11	320.0
	136	0.30	0.12	410.0	137	0.36	0.15	410.0	138	0.15	0.01	95.0
	139	0.021.98e-03	95.0	140	0.34	0.11	320.0	141	0.032.94e-03		90.0	
	142	0.022.21e-03	90.0	143	0.054.80e-03		90.0					
	1	0.054.97e-03	95.0	2	0.076.65e-03		95.0	7	0.30	0.03	95.0	
	8	0.30	0.03	95.0	11	0.42	0.13	320.0	13	0.20	0.02	90.0
	14	0.19	0.02	90.0	19	0.119.63e-03		90.0	20	0.098.27e-03		90.0
	23	0.32	0.13	410.0	24	0.32	0.13	410.0	25	0.29	0.03	90.0
	26	0.28	0.02	90.0	28	0.043.49e-03		90.0	31	0.065.06e-03		90.0
	32	0.033.04e-03	90.0	36	0.32	0.13	410.0	81	0.40	0.13	320.0	
	129	0.40	0.13	320.0	130	0.40	0.13	320.0	132	0.31	0.13	410.0
68	133	0.30	0.12	410.0	134	0.29	0.12	410.0	135	0.42	0.13	320.0
	136	0.32	0.13	410.0	137	0.30	0.12	410.0	138	4.70e-034.47e-04		95.0
	139	0.25	0.02	95.0	140	0.41	0.13	320.0	141	0.043.63e-03		90.0
	142	0.075.97e-03	90.0	143	0.27	0.02	90.0					
	1	0.21	0.02	95.0	2	0.22	0.02	95.0	7	0.032.55e-03		95.0
	8	0.054.65e-03	95.0	11	0.39	0.12	320.0	13	0.021.93e-03		90.0	
	14	0.021.87e-03	90.0	19	0.076.05e-03		90.0	20	0.098.30e-03		90.0	
	23	0.33	0.13	410.0	24	0.34	0.14	410.0	25	0.087.56e-03		90.0
	26	0.097.95e-03	90.0	28	0.12	0.01	90.0	31	0.16	0.01	90.0	
	32	0.15	0.01	90.0	36	0.35	0.14	410.0	81	0.39	0.12	320.0
	129	0.38	0.12	320.0	130	0.38	0.12	320.0	132	0.32	0.13	410.0
	133	0.35	0.14	410.0	134	0.35	0.14	410.0	135	0.38	0.12	320.0
69	136	0.33	0.14	410.0	137	0.33	0.14	410.0	138	0.20	0.02	95.0
	139	9.95e-039.45e-04	95.0	140	0.40	0.13	320.0	141	0.043.26e-03		90.0	
	142	0.054.43e-03	90.0	143	0.13	0.01	90.0					
	1	0.032.53e-03	95.0	2	0.043.75e-03		95.0	7	0.25	0.02	95.0	
	8	0.26	0.02	95.0	11	0.38	0.12	320.0	13	0.065.00e-03		90.0
	14	0.032.89e-03	90.0	19	0.054.53e-03		90.0	20	0.043.66e-03		90.0	
	23	0.33	0.14	410.0	24	0.34	0.14	410.0	25	0.23	0.02	90.0
	26	0.23	0.02	90.0	28	0.011.30e-03		90.0	31	0.021.85e-03		90.0
	32	0.043.32e-03	90.0	36	0.34	0.14	410.0	81	0.41	0.13	320.0	
	129	0.40	0.13	320.0	130	0.40	0.13	320.0	132	0.35	0.14	410.0
	133	0.36	0.15	410.0	134	0.37	0.15	410.0	135	0.38	0.12	320.0
	136	0.34	0.14	410.0	137	0.36	0.15	410.0	138	0.054.95e-03		95.0
70	139	0.18	0.02	95.0	140	0.39	0.13	320.0	141	0.15	0.01	90.0
	142	0.032.70e-03	90.0	143	0.097.69e-03		90.0					
	1	0.26	0.02	95.0	2	0.26	0.03	95.0	7	0.098.54e-03		95.0
	8	0.098.13e-03	95.0	11	0.38	0.12	320.0	13	0.054.31e-03		90.0	
	14	0.044.00e-03	90.0	19	0.14	0.01	90.0	20	0.12	0.01	90.0	
	23	0.32	0.13	410.0	24	0.32	0.13	410.0	25	0.033.05e-03		90.0
	26	0.043.67e-03	90.0	28	0.16	0.01	90.0	31	0.21	0.02	90.0	
	32	0.22	0.02	90.0	36	0.32	0.13	410.0	81	0.39	0.13	320.0
	129	0.38	0.12	320.0	130	0.39	0.12	320.0	132	0.32	0.13	410.0
	133	0.32	0.13	410.0	134	0.31	0.13	410.0	135	0.38	0.12	320.0
	136	0.32	0.13	410.0	137	0.32	0.13	410.0	138	0.17	0.02	95.0
	139	0.043.66e-03	95.0	140	0.38	0.12	320.0	141	0.011.26e-03		90.0	
71	142	0.108.64e-03	90.0	143	0.076.66e-03		90.0					
	1	4.25e-034.04e-04	95.0	2	0.021.74e-03		95.0	7	0.35	0.03	95.0	
	8	0.36	0.03	95.0	11	0.25	0.08	320.0	13	0.27	0.02	90.0
	14	0.25	0.02	90.0	19	0.17	0.02	90.0	20	0.16	0.01	90.0
	23	0.34	0.14	410.0	24	0.50	0.21	410.0	25	0.36	0.03	90.0
	26	0.35	0.03	90.0	28	0.098.37e-03		90.0	31	0.11	0.01	90.0
	32	0.098.16e-03	90.0	36	0.57	0.23	410.0	81	0.34	0.11	320.0	
	129	0.25	0.08	320.0	130	0.25	0.08	320.0	132	0.38	0.15	410.0
	133	0.53	0.22	410.0	134	0.60	0.24	410.0	135	0.24	0.08	320.0
	136	0.41	0.17	410.0	137	0.44	0.18	410.0	138	0.022.04e-03		95.0
	139	0.31	0.03	95.0	140	0.28	0.09	320.0	141	0.20	0.02	90.0
	142	0.108.68e-03	90.0	143	0.26	0.02	90.0					
72	1	0.33	0.03	95.0	2	0.34	0.03	95.0	7	0.021.50e-03		95.0
	8	0.022.08e-03	95.0	11	0.31	0.10	320.0	13	0.14	0.01	90.0	
	14	0.14	0.01	90.0	19	0.24	0.02	90.0	20	0.23	0.02	90.0
	23	0.37	0.15	410.0	24	0.50	0.21	410.0	25	0.087.35e-03		90.0
	26	0.076.16e-03	90.0	28	0.24	0.02	90.0	31	0.31	0.03	90.0	
	32	0.32	0.03	90.0	36	0.56	0.23	410.0	81	0.26	0.08	320.0
	129	0.26	0.08	320.0	130	0.27	0.09	320.0	132	0.32	0.13	410.0
	133	0.47	0.19	410.0	134	0.53	0.22	410.0	135	0.30	0.10	320.0

73	136	0.42	0.17	410.0	137	0.38	0.16	410.0	138	0.29	0.03	95.0
	139	8.47e-03	8.05e-04	95.0	140	0.34	0.11	320.0	141	0.11	9.92e-03	90.0
	142	0.22	0.02	90.0	143	0.08	6.86e-03	90.0				
	1	0.03	2.50e-03	95.0	2	0.02	2.24e-03	95.0	7	0.38	0.04	95.0
	8	0.38	0.04	95.0	11	0.34	0.11	320.0	13	0.30	0.03	90.0
	14	0.28	0.03	90.0	19	0.20	0.02	90.0	20	0.18	0.02	90.0
	23	0.38	0.16	410.0	24	0.50	0.20	410.0	25	0.39	0.04	90.0
	26	0.38	0.03	90.0	28	0.11	9.86e-03	90.0	31	0.15	0.01	90.0
	32	0.12	0.01	90.0	36	0.55	0.22	410.0	81	0.30	0.10	320.0
	129	0.33	0.10	320.0	130	0.33	0.10	320.0	132	0.34	0.14	410.0
	133	0.47	0.19	410.0	134	0.52	0.21	410.0	135	0.34	0.11	320.0
	136	0.43	0.18	410.0	137	0.39	0.16	410.0	138	0.05	5.17e-03	95.0
74	139	0.29	0.03	95.0	140	0.36	0.12	320.0	141	0.22	0.02	90.0
	142	0.17	0.02	90.0	143	0.28	0.03	90.0				
	1	0.31	0.03	95.0	2	0.32	0.03	95.0	7	0.04	3.54e-03	95.0
	8	0.05	4.43e-03	95.0	11	0.20	0.06	320.0	13	0.11	9.76e-03	90.0
	14	0.11	9.73e-03	90.0	19	0.21	0.02	90.0	20	0.21	0.02	90.0
	23	0.32	0.13	410.0	24	0.50	0.21	410.0	25	0.05	4.18e-03	90.0
	26	0.04	3.34e-03	90.0	28	0.22	0.02	90.0	31	0.28	0.03	90.0
	32	0.29	0.03	90.0	36	0.58	0.24	410.0	81	0.33	0.10	320.0
	129	0.19	0.06	320.0	130	0.20	0.07	320.0	132	0.37	0.15	410.0
	133	0.54	0.22	410.0	134	0.61	0.25	410.0	135	0.18	0.06	320.0
	136	0.40	0.16	410.0	137	0.44	0.18	410.0	138	0.25	0.02	95.0
	139	0.02	1.89e-03	95.0	140	0.25	0.08	320.0	141	0.09	8.07e-03	90.0
75	142	0.15	0.01	90.0	143	0.05	4.87e-03	90.0				
	1	0.02	1.64e-03	95.0	2	0.01	1.10e-03	95.0	7	0.37	0.04	95.0
	8	0.37	0.04	95.0	11	0.27	0.09	320.0	13	0.29	0.03	90.0
	14	0.28	0.02	90.0	19	0.19	0.02	90.0	20	0.18	0.02	90.0
	23	0.34	0.14	410.0	24	0.47	0.19	410.0	25	0.38	0.03	90.0
	26	0.37	0.03	90.0	28	0.11	9.64e-03	90.0	31	0.14	0.01	90.0
	32	0.11	0.01	90.0	36	0.53	0.22	410.0	81	0.35	0.11	320.0
	129	0.28	0.09	320.0	130	0.28	0.09	320.0	132	0.37	0.15	410.0
	133	0.50	0.21	410.0	134	0.55	0.23	410.0	135	0.27	0.09	320.0
	136	0.39	0.16	410.0	137	0.43	0.18	410.0	138	0.03	2.93e-03	95.0
	139	0.31	0.03	95.0	140	0.30	0.09	320.0	141	0.21	0.02	90.0
	142	0.14	0.01	90.0	143	0.30	0.03	90.0				
76	1	0.31	0.03	95.0	2	0.32	0.03	95.0	7	0.03	3.12e-03	95.0
	8	0.04	3.80e-03	95.0	11	0.30	0.09	320.0	13	0.12	0.01	90.0
	14	0.12	0.01	90.0	19	0.21	0.02	90.0	20	0.21	0.02	90.0
	23	0.37	0.15	410.0	24	0.53	0.22	410.0	25	0.06	5.04e-03	90.0
	26	0.05	4.17e-03	90.0	28	0.23	0.02	90.0	31	0.29	0.03	90.0
	32	0.30	0.03	90.0	36	0.60	0.25	410.0	81	0.25	0.08	320.0
	129	0.24	0.08	320.0	130	0.25	0.08	320.0	132	0.32	0.13	410.0
	133	0.50	0.20	410.0	134	0.57	0.24	410.0	135	0.29	0.09	320.0
	136	0.44	0.18	410.0	137	0.40	0.16	410.0	138	0.27	0.03	95.0
	139	8.95e-03	8.51e-04	95.0	140	0.33	0.11	320.0	141	0.11	9.51e-03	90.0
	142	0.18	0.02	90.0	143	0.04	3.60e-03	90.0				
	1	0.01	1.32e-03	95.0	2	0.02	2.26e-03	95.0	7	0.36	0.03	95.0
77	8	0.36	0.03	95.0	11	0.33	0.10	320.0	13	0.28	0.02	90.0
	14	0.26	0.02	90.0	19	0.18	0.02	90.0	20	0.16	0.01	90.0
	23	0.39	0.16	410.0	24	0.53	0.22	410.0	25	0.37	0.03	90.0
	26	0.36	0.03	90.0	28	0.10	8.56e-03	90.0	31	0.12	0.01	90.0
	32	0.10	8.66e-03	90.0	36	0.59	0.24	410.0	81	0.29	0.09	320.0
	129	0.30	0.10	320.0	130	0.31	0.10	320.0	132	0.35	0.14	410.0
	133	0.50	0.20	410.0	134	0.56	0.23	410.0	135	0.32	0.10	320.0
	136	0.45	0.18	410.0	137	0.41	0.17	410.0	138	0.04	4.17e-03	95.0
	139	0.29	0.03	95.0	140	0.35	0.11	320.0	141	0.22	0.02	90.0
	142	0.13	0.01	90.0	143	0.24	0.02	90.0				
	1	0.33	0.03	95.0	2	0.34	0.03	95.0	7	0.02	1.59e-03	95.0
	8	0.03	2.75e-03	95.0	11	0.22	0.07	320.0	13	0.13	0.01	90.0
78	14	0.13	0.01	90.0	19	0.23	0.02	90.0	20	0.23	0.02	90.0
	23	0.31	0.13	410.0	24	0.47	0.19	410.0	25	0.07	6.51e-03	90.0
	26	0.06	5.39e-03	90.0	28	0.24	0.02	90.0	31	0.31	0.03	90.0
	32	0.32	0.03	90.0	36	0.54	0.22	410.0	81	0.34	0.11	320.0
	129	0.22	0.07	320.0	130	0.23	0.07	320.0	132	0.36	0.15	410.0
	133	0.51	0.21	410.0	134	0.57	0.23	410.0	135	0.21	0.07	320.0
	136	0.38	0.16	410.0	137	0.42	0.17	410.0	138	0.26	0.03	95.0
	139	0.02	1.96e-03	95.0	140	0.26	0.08	320.0	141	0.09	8.49e-03	90.0
	142	0.19	0.02	90.0	143	0.09	8.42e-03	90.0				
	1	0.10	9.10e-03	95.0	2	0.08	7.45e-03	95.0	7	0.45	0.04	95.0
	8	0.45	0.04	95.0	11	0.40	0.13	320.0	13	0.38	0.03	90.0
	14	0.36	0.03	90.0	19	0.28	0.03	90.0	20	0.26	0.02	90.0
	23	0.35	0.14	410.0	24	0.35	0.14	410.0	25	0.48	0.04	90.0
79	26	0.46	0.04	90.0	28	0.17	0.02	90.0	31	0.23	0.02	90.0
	32	0.20	0.02	90.0	36	0.33	0.14	410.0	81	0.38	0.12	320.0
	129	0.39	0.12	320.0	130	0.38	0.12	320.0	132	0.34	0.14	410.0
	133	0.33	0.14	410.0	134	0.31	0.13	410.0	135	0.40	0.13	320.0
	136	0.35	0.15	410.0	137	0.34	0.14	410.0	138	0.10	9.14e-03	95.0
	139	0.38	0.04	95.0	140	0.39	0.13	320.0	141	0.28	0.03	90.0
	142	0.17	0.02	90.0	143	0.34	0.03	90.0				

80	1	0.43	0.04	95.0	2	0.43	0.04	95.0	7	0.099.00e-03		95.0
	8	0.076.66e-03		95.0	11	0.36	0.12	320.0	13	0.26	0.02	90.0
	14	0.24	0.02	90.0	19	0.35	0.03	90.0	20	0.34	0.03	90.0
	23	0.33	0.13	410.0	24	0.30	0.12	410.0	25	0.21	0.02	90.0
	26	0.18	0.02	90.0	28	0.32	0.03	90.0	31	0.44	0.04	90.0
	32	0.43	0.04	90.0	36	0.28	0.11	410.0	81	0.37	0.12	320.0
	129	0.38	0.12	320.0	130	0.38	0.12	320.0	132	0.34	0.14	410.0
	133	0.32	0.13	410.0	134	0.30	0.12	410.0	135	0.37	0.12	320.0
	136	0.32	0.13	410.0	137	0.33	0.14	410.0	138	0.36	0.03	95.0
	139	0.076.92e-03		95.0	140	0.36	0.12	320.0	141	0.19	0.02	90.0
	142	0.30	0.03	90.0	143	0.16	0.01	90.0				
81	1	0.12	0.01	95.0	2	0.109.89e-03		95.0	7	0.48	0.05	95.0
	8	0.47	0.04	95.0	11	0.41	0.13	320.0	13	0.42	0.04	90.0
	14	0.39	0.03	90.0	19	0.31	0.03	90.0	20	0.29	0.03	90.0
	23	0.34	0.14	410.0	24	0.30	0.12	410.0	25	0.52	0.05	90.0
	26	0.49	0.04	90.0	28	0.19	0.02	90.0	31	0.27	0.02	90.0
	32	0.23	0.02	90.0	36	0.27	0.11	410.0	81	0.42	0.13	320.0
	129	0.45	0.14	320.0	130	0.44	0.14	320.0	132	0.36	0.15	410.0
	133	0.32	0.13	410.0	134	0.30	0.12	410.0	135	0.43	0.14	320.0
	136	0.33	0.13	410.0	137	0.35	0.14	410.0	138	0.13	0.01	95.0
	139	0.36	0.03	95.0	140	0.40	0.13	320.0	141	0.30	0.03	90.0
	142	0.25	0.02	90.0	143	0.36	0.03	90.0				
82	1	0.41	0.04	95.0	2	0.41	0.04	95.0	7	0.076.29e-03		95.0
	8	0.054.61e-03		95.0	11	0.34	0.11	320.0	13	0.23	0.02	90.0
	14	0.21	0.02	90.0	19	0.32	0.03	90.0	20	0.31	0.03	90.0
	23	0.33	0.14	410.0	24	0.35	0.14	410.0	25	0.17	0.02	90.0
	26	0.15	0.01	90.0	28	0.31	0.03	90.0	31	0.40	0.04	90.0
	32	0.40	0.04	90.0	36	0.34	0.14	410.0	81	0.34	0.11	320.0
	129	0.32	0.10	320.0	130	0.33	0.10	320.0	132	0.32	0.13	410.0
	133	0.33	0.14	410.0	134	0.33	0.13	410.0	135	0.34	0.11	320.0
	136	0.34	0.14	410.0	137	0.33	0.14	410.0	138	0.33	0.03	95.0
	139	0.098.91e-03		95.0	140	0.35	0.11	320.0	141	0.17	0.02	90.0
	142	0.22	0.02	90.0	143	0.14	0.01	90.0				
83	1	0.12	0.01	95.0	2	0.109.10e-03		95.0	7	0.47	0.05	95.0
	8	0.47	0.04	95.0	11	0.42	0.13	320.0	13	0.41	0.04	90.0
	14	0.38	0.03	90.0	19	0.31	0.03	90.0	20	0.28	0.03	90.0
	23	0.35	0.14	410.0	24	0.31	0.13	410.0	25	0.51	0.05	90.0
	26	0.48	0.04	90.0	28	0.19	0.02	90.0	31	0.26	0.02	90.0
	32	0.22	0.02	90.0	36	0.29	0.12	410.0	81	0.39	0.13	320.0
	129	0.42	0.13	320.0	130	0.41	0.13	320.0	132	0.34	0.14	410.0
	133	0.30	0.12	410.0	134	0.27	0.11	410.0	135	0.43	0.14	320.0
	136	0.34	0.14	410.0	137	0.32	0.13	410.0	138	0.11	0.01	95.0
	139	0.38	0.04	95.0	140	0.40	0.13	320.0	141	0.29	0.03	90.0
	142	0.22	0.02	90.0	143	0.38	0.03	90.0				
84	1	0.41	0.04	95.0	2	0.41	0.04	95.0	7	0.077.08e-03		95.0
	8	0.054.94e-03		95.0	11	0.34	0.11	320.0	13	0.23	0.02	90.0
	14	0.22	0.02	90.0	19	0.33	0.03	90.0	20	0.32	0.03	90.0
	23	0.33	0.14	410.0	24	0.33	0.14	410.0	25	0.18	0.02	90.0
	26	0.16	0.01	90.0	28	0.31	0.03	90.0	31	0.41	0.04	90.0
	32	0.41	0.04	90.0	36	0.32	0.13	410.0	81	0.36	0.12	320.0
	129	0.35	0.11	320.0	130	0.36	0.11	320.0	132	0.34	0.14	410.0
	133	0.35	0.14	410.0	134	0.34	0.14	410.0	135	0.34	0.11	320.0
	136	0.34	0.14	410.0	137	0.35	0.14	410.0	138	0.35	0.03	95.0
	139	0.076.84e-03		95.0	140	0.35	0.11	320.0	141	0.18	0.02	90.0
	142	0.25	0.02	90.0	143	0.12	0.01	90.0				
85	1	0.109.74e-03		95.0	2	0.098.29e-03		95.0	7	0.46	0.04	95.0
	8	0.45	0.04	95.0	11	0.39	0.13	320.0	13	0.39	0.04	90.0
	14	0.37	0.03	90.0	19	0.29	0.03	90.0	20	0.27	0.02	90.0
	23	0.35	0.14	410.0	24	0.33	0.14	410.0	25	0.49	0.04	90.0
	26	0.47	0.04	90.0	28	0.18	0.02	90.0	31	0.24	0.02	90.0
	32	0.21	0.02	90.0	36	0.31	0.13	410.0	81	0.41	0.13	320.0
	129	0.42	0.14	320.0	130	0.42	0.13	320.0	132	0.37	0.15	410.0
	133	0.35	0.15	410.0	134	0.34	0.14	410.0	135	0.40	0.13	320.0
	136	0.35	0.14	410.0	137	0.37	0.15	410.0	138	0.12	0.01	95.0
	139	0.36	0.03	95.0	140	0.38	0.12	320.0	141	0.30	0.03	90.0
	142	0.20	0.02	90.0	143	0.32	0.03	90.0				
86	1	0.43	0.04	95.0	2	0.43	0.04	95.0	7	0.098.24e-03		95.0
	8	0.076.27e-03		95.0	11	0.36	0.12	320.0	13	0.25	0.02	90.0
	14	0.23	0.02	90.0	19	0.35	0.03	90.0	20	0.33	0.03	90.0
	23	0.33	0.13	410.0	24	0.32	0.13	410.0	25	0.20	0.02	90.0
	26	0.17	0.02	90.0	28	0.32	0.03	90.0	31	0.43	0.04	90.0
	32	0.43	0.04	90.0	36	0.30	0.12	410.0	81	0.35	0.11	320.0
	129	0.35	0.11	320.0	130	0.35	0.11	320.0	132	0.32	0.13	410.0
	133	0.30	0.12	410.0	134	0.28	0.12	410.0	135	0.37	0.12	320.0
	136	0.33	0.13	410.0	137	0.31	0.13	410.0	138	0.34	0.03	95.0
	139	0.098.99e-03		95.0	140	0.36	0.12	320.0	141	0.17	0.02	90.0
	142	0.26	0.02	90.0	143	0.17	0.02	90.0				

Cmb 1000 etaT/h
0.61

RISULTATI NODALI

LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	4	-6.08e-03	0.01	-0.24	-2.60e-05	3.66e-05	-1.16e-05
1	11	-5.54e-03	0.01	-0.24	-2.47e-05	4.43e-05	-1.14e-05
1	34	-0.27	-0.05	-0.16	1.94e-04	-6.13e-04	-2.61e-05
1	48	0.10	-0.28	-0.21	6.84e-04	1.62e-04	4.59e-05
1	49	-0.10	0.29	-0.13	-7.19e-04	-1.03e-04	-6.17e-05
1	66	-0.15	-0.03	-0.16	1.06e-04	-3.24e-04	-1.33e-05
1	80	0.06	-0.17	-0.20	3.91e-04	9.97e-05	3.64e-05
1	81	-0.06	0.19	-0.15	-4.27e-04	-4.13e-05	-5.24e-05
1	88	-3.01e-03	8.01e-03	-0.17	-1.78e-05	2.92e-05	-8.00e-06
1	92	-4.24e-03	8.63e-03	-0.18	-1.94e-05	2.83e-05	-8.68e-06
1	95	-3.88e-03	8.65e-03	-0.18	-1.85e-05	3.34e-05	-8.55e-06
1	101	-3.33e-03	8.13e-03	-0.17	-1.83e-05	2.80e-05	-8.16e-06
1	104	-3.06e-03	8.10e-03	-0.17	-1.77e-05	3.05e-05	-8.04e-06
1	106	-3.01e-03	8.01e-03	-0.17	-1.78e-05	2.92e-05	-8.00e-06
2	9	1.69e-03	6.53e-04	-0.18	-2.58e-04	-1.01e-04	0.0
2	11	1.53e-03	6.89e-04	-0.18	-2.58e-04	-1.00e-04	0.0
2	35	0.03	4.73e-03	-0.13	-1.89e-04	-7.89e-05	0.0
2	44	5.43e-03	-0.02	-0.14	-1.57e-04	-8.29e-05	0.0
2	45	-2.70e-03	0.02	-0.13	-1.53e-04	-4.65e-05	0.0
2	67	0.02	3.92e-03	-0.13	-1.74e-04	-7.24e-05	0.0
2	76	1.76e-03	-0.02	-0.13	-1.56e-04	-7.49e-05	0.0
2	77	6.27e-04	0.02	-0.13	-1.54e-04	-5.44e-05	0.0
2	87	1.24e-03	4.68e-04	-0.13	-1.55e-04	-6.48e-05	0.0
2	88	1.19e-03	4.78e-04	-0.13	-1.55e-04	-6.46e-05	0.0
2	93	1.30e-03	4.93e-04	-0.14	-1.89e-04	-7.50e-05	0.0
2	95	1.19e-03	5.16e-04	-0.14	-1.89e-04	-7.45e-05	0.0
2	101	1.16e-03	4.85e-04	-0.13	-1.55e-04	-6.45e-05	0.0
2	102	1.25e-03	4.73e-04	-0.13	-1.62e-04	-6.69e-05	0.0
2	105	1.24e-03	4.68e-04	-0.13	-1.55e-04	-6.48e-05	0.0
2	106	1.19e-03	4.78e-04	-0.13	-1.55e-04	-6.46e-05	0.0
3	1	-2.36e-03	0.01	0.0	0.0	0.0	0.0
3	11	-2.78e-03	0.01	0.0	0.0	0.0	0.0
3	18	-2.96e-03	0.01	0.0	0.0	0.0	0.0
3	23	0.03	-0.01	0.0	0.0	0.0	0.0
3	37	-0.04	0.04	0.0	0.0	0.0	0.0
3	49	-0.02	0.20	0.0	0.0	0.0	0.0
3	55	0.02	7.50e-03	0.0	0.0	0.0	0.0
3	69	-0.02	0.03	0.0	0.0	0.0	0.0
3	81	-0.01	0.14	0.0	0.0	0.0	0.0
3	87	-1.77e-03	8.79e-03	0.0	0.0	0.0	0.0
3	88	-1.88e-03	8.99e-03	0.0	0.0	0.0	0.0
3	89	-1.77e-03	8.79e-03	0.0	0.0	0.0	0.0
3	95	-2.06e-03	9.80e-03	0.0	0.0	0.0	0.0
3	99	-2.18e-03	9.67e-03	0.0	0.0	0.0	0.0
3	100	-1.77e-03	8.79e-03	0.0	0.0	0.0	0.0
3	101	-1.95e-03	9.13e-03	0.0	0.0	0.0	0.0
3	105	-1.77e-03	8.79e-03	0.0	0.0	0.0	0.0
3	106	-1.88e-03	8.99e-03	0.0	0.0	0.0	0.0
4	9	-2.09e-03	-1.08e-04	-0.23	-3.55e-05	1.42e-05	0.0
4	11	-2.09e-03	-5.07e-05	-0.25	-3.72e-05	1.44e-05	0.0
4	16	-1.91e-03	-1.15e-04	-0.23	-3.50e-05	1.27e-05	0.0
4	29	-0.03	0.03	-0.19	-3.29e-04	-3.53e-05	0.0
4	49	-0.03	0.05	-0.12	-6.59e-04	-3.20e-05	0.0
4	54	7.64e-03	-0.05	-0.25	5.44e-04	3.02e-05	0.0
4	61	-0.02	0.02	-0.18	-2.04e-04	-1.46e-05	0.0

4	80	0.02	-0.05	-0.21	3.65e-04	3.26e-05	0.0
4	86	7.20e-03	-0.04	-0.22	3.34e-04	2.08e-05	0.0
4	87	-1.48e-03	-5.07e-05	-0.17	-2.49e-05	1.01e-05	0.0
4	88	-1.48e-03	-3.42e-05	-0.17	-2.53e-05	1.02e-05	0.0
4	93	-1.58e-03	-8.03e-05	-0.18	-2.67e-05	1.08e-05	0.0
4	95	-1.58e-03	-4.19e-05	-0.19	-2.78e-05	1.09e-05	0.0
4	97	-1.46e-03	-8.51e-05	-0.18	-2.63e-05	9.75e-06	0.0
4	101	-1.48e-03	-2.32e-05	-0.18	-2.57e-05	1.02e-05	0.0
4	102	-1.50e-03	-5.66e-05	-0.17	-2.52e-05	1.02e-05	0.0
4	105	-1.48e-03	-5.07e-05	-0.17	-2.49e-05	1.01e-05	0.0
4	106	-1.48e-03	-3.42e-05	-0.17	-2.53e-05	1.02e-05	0.0
5	9	-2.03e-03	-1.60e-04	-0.24	-5.75e-06	2.39e-05	0.0
5	11	-2.03e-03	-1.28e-04	-0.25	-5.91e-06	2.47e-05	0.0
5	16	-1.85e-03	-1.62e-04	-0.23	-5.58e-06	2.22e-05	0.0
5	29	-0.03	0.03	-0.19	-2.85e-04	-1.58e-05	0.0
5	49	-0.03	0.05	-0.12	-5.92e-04	1.20e-05	0.0
5	54	7.69e-03	-0.04	-0.25	5.22e-04	0.0	0.0
5	61	-0.02	0.02	-0.18	-1.70e-04	0.0	0.0
5	80	0.02	-0.04	-0.21	3.61e-04	1.87e-05	0.0
5	86	7.25e-03	-0.04	-0.22	3.33e-04	7.22e-06	0.0
5	87	-1.44e-03	-8.33e-05	-0.17	-3.26e-06	1.70e-05	0.0
5	88	-1.44e-03	-7.40e-05	-0.18	-3.30e-06	1.72e-05	0.0
5	93	-1.54e-03	-1.17e-04	-0.18	-4.16e-06	1.80e-05	0.0
5	95	-1.53e-03	-9.54e-05	-0.19	-4.27e-06	1.86e-05	0.0
5	97	-1.42e-03	-1.18e-04	-0.18	-4.05e-06	1.69e-05	0.0
5	101	-1.44e-03	-6.78e-05	-0.18	-3.33e-06	1.74e-05	0.0
5	102	-1.46e-03	-9.00e-05	-0.17	-3.44e-06	1.72e-05	0.0
5	105	-1.44e-03	-8.33e-05	-0.17	-3.26e-06	1.70e-05	0.0
5	106	-1.44e-03	-7.40e-05	-0.18	-3.30e-06	1.72e-05	0.0
6	3	-1.94e-03	3.18e-04	-0.25	2.04e-04	4.39e-05	0.0
6	9	-2.12e-03	2.81e-04	-0.24	1.98e-04	4.38e-05	0.0
6	11	-2.10e-03	2.83e-04	-0.25	2.09e-04	4.57e-05	0.0
6	29	-0.03	0.03	-0.19	1.01e-04	1.29e-05	0.0
6	49	-0.03	0.04	-0.13	-2.81e-04	7.03e-05	0.0
6	54	7.55e-03	-0.04	-0.25	5.88e-04	-3.32e-05	0.0
6	61	-0.02	0.02	-0.18	1.11e-04	2.26e-05	0.0
6	81	-0.02	0.04	-0.15	-1.26e-04	5.70e-05	0.0
6	86	7.12e-03	-0.04	-0.22	4.43e-04	-4.47e-06	0.0
6	87	-1.50e-03	2.45e-04	-0.18	1.43e-04	3.13e-05	0.0
6	88	-1.50e-03	2.46e-04	-0.18	1.47e-04	3.19e-05	0.0
6	91	-1.48e-03	2.47e-04	-0.19	1.54e-04	3.31e-05	0.0
6	93	-1.60e-03	2.22e-04	-0.18	1.49e-04	3.31e-05	0.0
6	95	-1.59e-03	2.23e-04	-0.19	1.57e-04	3.43e-05	0.0
6	101	-1.49e-03	2.46e-04	-0.18	1.49e-04	3.22e-05	0.0
6	102	-1.52e-03	2.40e-04	-0.18	1.45e-04	3.17e-05	0.0
6	105	-1.50e-03	2.45e-04	-0.18	1.43e-04	3.13e-05	0.0
6	106	-1.50e-03	2.46e-04	-0.18	1.47e-04	3.19e-05	0.0
7	1	-2.10e-03	4.57e-04	-0.24	3.68e-04	2.93e-05	0.0
7	9	-2.27e-03	4.31e-04	-0.25	3.87e-04	3.16e-05	0.0
7	11	-2.22e-03	4.18e-04	-0.26	4.09e-04	3.24e-05	0.0
7	29	-0.03	0.02	-0.19	2.56e-04	-1.16e-05	0.0
7	49	-0.03	0.04	-0.14	-6.08e-05	2.20e-05	0.0
7	54	7.06e-03	-0.03	-0.25	6.26e-04	-3.60e-06	0.0
7	61	-0.02	0.02	-0.19	2.60e-04	4.54e-06	0.0
7	81	-0.02	0.04	-0.15	6.31e-05	2.50e-05	0.0
7	86	6.74e-03	-0.03	-0.22	5.33e-04	7.52e-06	0.0
7	87	-1.61e-03	3.55e-04	-0.18	2.80e-04	2.23e-05	0.0
7	88	-1.59e-03	3.51e-04	-0.19	2.86e-04	2.25e-05	0.0
7	89	-1.61e-03	3.55e-04	-0.18	2.80e-04	2.23e-05	0.0
7	93	-1.72e-03	3.37e-04	-0.19	2.92e-04	2.39e-05	0.0
7	95	-1.69e-03	3.29e-04	-0.20	3.07e-04	2.43e-05	0.0
7	100	-1.61e-03	3.55e-04	-0.18	2.80e-04	2.23e-05	0.0
7	101	-1.58e-03	3.49e-04	-0.19	2.90e-04	2.27e-05	0.0
7	102	-1.63e-03	3.52e-04	-0.18	2.82e-04	2.26e-05	0.0
7	105	-1.61e-03	3.55e-04	-0.18	2.80e-04	2.23e-05	0.0
7	106	-1.59e-03	3.51e-04	-0.19	2.86e-04	2.25e-05	0.0
8	1	-2.08e-03	5.50e-04	-0.24	4.47e-04	1.15e-05	0.0
8	9	-2.25e-03	5.30e-04	-0.25	4.71e-04	1.30e-05	0.0
8	11	-2.17e-03	5.17e-04	-0.26	4.97e-04	1.21e-05	0.0
8	29	-0.03	0.02	-0.19	3.19e-04	-3.17e-05	0.0
8	49	-0.02	0.03	-0.14	1.52e-05	-2.19e-06	0.0
8	54	6.33e-03	-0.03	-0.25	6.62e-04	-7.12e-06	0.0
8	61	-0.02	0.02	-0.19	3.23e-04	-1.32e-05	0.0
8	81	-0.02	0.03	-0.16	1.34e-04	4.03e-06	0.0
8	86	6.26e-03	-0.03	-0.23	5.83e-04	0.0	0.0
8	87	-1.59e-03	4.26e-04	-0.18	3.39e-04	8.81e-06	0.0
8	88	-1.57e-03	4.22e-04	-0.19	3.47e-04	8.56e-06	0.0
8	89	-1.59e-03	4.26e-04	-0.18	3.39e-04	8.81e-06	0.0
8	93	-1.71e-03	4.12e-04	-0.19	3.55e-04	9.83e-06	0.0
8	95	-1.65e-03	4.04e-04	-0.20	3.73e-04	9.24e-06	0.0

8	100	-1.59e-03	4.26e-04	-0.18	3.39e-04	8.81e-06	0.0
8	101	-1.55e-03	4.20e-04	-0.19	3.52e-04	8.39e-06	0.0
8	102	-1.62e-03	4.23e-04	-0.19	3.43e-04	9.01e-06	0.0
8	105	-1.59e-03	4.26e-04	-0.18	3.39e-04	8.81e-06	0.0
8	106	-1.57e-03	4.22e-04	-0.19	3.47e-04	8.56e-06	0.0
9	1	-1.92e-03	6.14e-04	-0.24	4.51e-04	5.53e-06	0.0
9	9	-2.07e-03	5.98e-04	-0.25	4.75e-04	6.44e-06	0.0
9	11	-1.95e-03	5.91e-04	-0.27	5.02e-04	4.93e-06	0.0
9	29	-0.03	0.02	-0.19	3.18e-04	-4.05e-05	0.0
9	49	-0.02	0.03	-0.14	2.23e-05	-1.74e-05	0.0
9	50	5.23e-03	-0.02	-0.25	6.57e-04	0.0	0.0
9	61	-0.02	0.01	-0.19	3.23e-04	-2.04e-05	0.0
9	81	-0.02	0.03	-0.16	1.39e-04	-7.49e-06	0.0
9	82	5.63e-03	-0.02	-0.23	5.85e-04	1.48e-06	0.0
9	87	-1.48e-03	4.74e-04	-0.18	3.42e-04	4.32e-06	0.0
9	88	-1.44e-03	4.72e-04	-0.19	3.50e-04	3.89e-06	0.0
9	89	-1.48e-03	4.74e-04	-0.18	3.42e-04	4.32e-06	0.0
9	93	-1.58e-03	4.64e-04	-0.19	3.59e-04	4.92e-06	0.0
9	95	-1.50e-03	4.59e-04	-0.20	3.76e-04	3.92e-06	0.0
9	100	-1.48e-03	4.74e-04	-0.18	3.42e-04	4.32e-06	0.0
9	101	-1.42e-03	4.71e-04	-0.19	3.55e-04	3.60e-06	0.0
9	102	-1.50e-03	4.72e-04	-0.19	3.46e-04	4.44e-06	0.0
9	105	-1.48e-03	4.74e-04	-0.18	3.42e-04	4.32e-06	0.0
9	106	-1.44e-03	4.72e-04	-0.19	3.50e-04	3.89e-06	0.0
10	3	-1.43e-03	7.14e-04	-0.26	5.27e-04	-5.80e-06	0.0
10	9	-1.78e-03	7.01e-04	-0.25	5.14e-04	-2.52e-06	0.0
10	11	-1.62e-03	7.04e-04	-0.27	5.42e-04	-2.77e-06	0.0
10	29	-0.03	0.02	-0.19	3.42e-04	-4.66e-05	0.0
10	49	-0.02	0.02	-0.13	5.35e-05	-2.78e-05	0.0
10	50	4.22e-03	-0.01	-0.25	6.80e-04	-1.40e-06	0.0
10	61	-0.02	0.01	-0.19	3.50e-04	-2.69e-05	0.0
10	81	-0.02	0.03	-0.16	1.70e-04	-1.69e-05	0.0
10	82	5.06e-03	-0.02	-0.23	6.09e-04	-1.22e-06	0.0
10	87	-1.29e-03	5.45e-04	-0.19	3.71e-04	-1.79e-06	0.0
10	88	-1.24e-03	5.46e-04	-0.19	3.79e-04	-2.44e-06	0.0
10	91	-1.13e-03	5.49e-04	-0.20	3.97e-04	-3.94e-06	0.0
10	93	-1.36e-03	5.40e-04	-0.19	3.88e-04	-1.75e-06	0.0
10	95	-1.25e-03	5.43e-04	-0.20	4.07e-04	-3.25e-06	0.0
10	101	-1.21e-03	5.47e-04	-0.19	3.84e-04	-2.87e-06	0.0
10	102	-1.30e-03	5.44e-04	-0.19	3.74e-04	-1.78e-06	0.0
10	105	-1.29e-03	5.45e-04	-0.19	3.71e-04	-1.79e-06	0.0
10	106	-1.24e-03	5.46e-04	-0.19	3.79e-04	-2.44e-06	0.0
11	3	-1.15e-03	8.04e-04	-0.26	5.26e-04	-1.26e-05	0.0
11	9	-1.52e-03	7.89e-04	-0.25	5.14e-04	-8.92e-06	0.0
11	11	-1.32e-03	7.99e-04	-0.27	5.41e-04	-1.18e-05	0.0
11	29	-0.03	0.01	-0.18	3.37e-04	-5.54e-05	0.0
11	49	-0.02	0.02	-0.13	5.40e-05	-4.77e-05	0.0
11	50	3.18e-03	-0.01	-0.25	6.75e-04	1.01e-05	0.0
11	61	-0.02	0.01	-0.18	3.47e-04	-3.41e-05	0.0
11	81	-0.01	0.02	-0.15	1.71e-04	-3.12e-05	0.0
11	82	4.46e-03	-0.02	-0.23	6.06e-04	4.08e-06	0.0
11	87	-1.12e-03	6.06e-04	-0.19	3.70e-04	-6.19e-06	0.0
11	88	-1.06e-03	6.09e-04	-0.19	3.78e-04	-7.02e-06	0.0
11	91	-9.24e-04	6.16e-04	-0.20	3.96e-04	-8.96e-06	0.0
11	93	-1.18e-03	6.06e-04	-0.19	3.88e-04	-6.52e-06	0.0
11	95	-1.04e-03	6.13e-04	-0.20	4.06e-04	-8.45e-06	0.0
11	101	-1.02e-03	6.11e-04	-0.19	3.83e-04	-7.57e-06	0.0
11	102	-1.13e-03	6.06e-04	-0.19	3.74e-04	-6.26e-06	0.0
11	105	-1.12e-03	6.06e-04	-0.19	3.70e-04	-6.19e-06	0.0
11	106	-1.06e-03	6.09e-04	-0.19	3.78e-04	-7.02e-06	0.0
12	4	-8.92e-04	8.51e-04	-0.26	5.13e-04	-7.91e-06	0.0
12	9	-1.27e-03	8.36e-04	-0.25	4.89e-04	-4.02e-06	0.0
12	11	-1.02e-03	8.48e-04	-0.26	5.15e-04	-6.92e-06	0.0
12	29	-0.03	0.01	-0.18	1.95e-04	-5.17e-05	0.0
12	49	-0.02	0.01	-0.13	-4.85e-06	-4.88e-05	0.0
12	50	2.17e-03	-8.52e-03	-0.25	6.22e-04	1.99e-05	0.0
12	61	-0.02	0.01	-0.18	2.60e-04	-3.07e-05	0.0
12	81	-0.01	0.02	-0.15	1.29e-04	-3.11e-05	0.0
12	82	3.89e-03	-0.02	-0.23	5.70e-04	1.21e-05	0.0
12	87	-9.57e-04	6.39e-04	-0.18	3.52e-04	-2.40e-06	0.0
12	88	-8.86e-04	6.42e-04	-0.19	3.60e-04	-3.23e-06	0.0
12	92	-7.38e-04	6.51e-04	-0.20	3.85e-04	-5.34e-06	0.0
12	93	-9.91e-04	6.42e-04	-0.19	3.69e-04	-2.74e-06	0.0
12	95	-8.26e-04	6.49e-04	-0.20	3.86e-04	-4.68e-06	0.0
12	101	-8.38e-04	6.44e-04	-0.19	3.65e-04	-3.78e-06	0.0
12	102	-9.63e-04	6.39e-04	-0.19	3.56e-04	-2.47e-06	0.0
12	105	-9.57e-04	6.39e-04	-0.18	3.52e-04	-2.40e-06	0.0
12	106	-8.86e-04	6.42e-04	-0.19	3.60e-04	-3.23e-06	0.0
13	4	-5.22e-04	9.34e-04	-0.26	5.44e-04	-2.02e-05	0.0
13	9	-9.72e-04	9.19e-04	-0.25	5.20e-04	-1.52e-05	0.0

13	11	-6.64e-04	9.34e-04	-0.26	5.46e-04	-1.92e-05	0.0
13	29	-0.03	9.01e-03	-0.16	2.20e-04	-5.91e-05	0.0
13	48	0.02	-9.39e-03	-0.25	6.82e-04	4.21e-05	0.0
13	49	-0.02	0.01	-0.12	1.85e-05	-6.37e-05	0.0
13	61	-0.02	8.65e-03	-0.17	2.85e-04	-3.85e-05	0.0
13	80	0.01	-0.02	-0.23	6.11e-04	2.13e-05	0.0
13	81	-0.01	0.02	-0.14	1.54e-04	-4.37e-05	0.0
13	87	-7.57e-04	6.95e-04	-0.18	3.75e-04	-1.01e-05	0.0
13	88	-6.69e-04	6.99e-04	-0.19	3.83e-04	-1.12e-05	0.0
13	92	-4.71e-04	7.13e-04	-0.20	4.09e-04	-1.44e-05	0.0
13	93	-7.71e-04	7.03e-04	-0.19	3.93e-04	-1.11e-05	0.0
13	95	-5.66e-04	7.13e-04	-0.20	4.10e-04	-1.37e-05	0.0
13	101	-6.10e-04	7.02e-04	-0.19	3.88e-04	-1.20e-05	0.0
13	102	-7.60e-04	6.96e-04	-0.19	3.79e-04	-1.03e-05	0.0
13	105	-7.57e-04	6.95e-04	-0.18	3.75e-04	-1.01e-05	0.0
13	106	-6.69e-04	6.99e-04	-0.19	3.83e-04	-1.12e-05	0.0
14	9	-8.34e-04	9.64e-04	-0.25	5.19e-04	-1.33e-05	0.0
14	11	-4.73e-04	9.79e-04	-0.26	5.44e-04	-1.78e-05	0.0
14	29	-0.03	7.27e-03	-0.15	2.19e-04	-6.02e-05	0.0
14	48	0.02	-7.01e-03	-0.26	6.79e-04	5.52e-05	0.0
14	49	-0.02	8.96e-03	-0.11	1.95e-05	-7.35e-05	0.0
14	61	-0.02	7.51e-03	-0.17	2.84e-04	-3.90e-05	0.0
14	80	0.01	-0.01	-0.23	6.09e-04	2.97e-05	0.0
14	81	-0.01	0.02	-0.14	1.55e-04	-4.98e-05	0.0
14	87	-6.67e-04	7.26e-04	-0.18	3.74e-04	-8.77e-06	0.0
14	88	-5.64e-04	7.30e-04	-0.19	3.82e-04	-1.01e-05	0.0
14	93	-6.72e-04	7.37e-04	-0.19	3.92e-04	-9.59e-06	0.0
14	95	-4.32e-04	7.47e-04	-0.20	4.09e-04	-1.26e-05	0.0
14	101	-4.95e-04	7.33e-04	-0.19	3.86e-04	-1.09e-05	0.0
14	102	-6.68e-04	7.28e-04	-0.18	3.78e-04	-8.94e-06	0.0
14	105	-6.67e-04	7.26e-04	-0.18	3.74e-04	-8.77e-06	0.0
14	106	-5.64e-04	7.30e-04	-0.19	3.82e-04	-1.01e-05	0.0
15	1	-6.64e-04	9.84e-04	-0.24	4.58e-04	-2.14e-05	0.0
15	11	-2.31e-04	1.02e-03	-0.26	5.05e-04	-2.87e-05	0.0
15	29	-0.03	5.57e-03	-0.15	1.89e-04	-7.09e-05	0.0
15	48	0.01	-4.90e-03	-0.26	6.61e-04	6.05e-05	0.0
15	49	-0.01	6.87e-03	-0.10	-1.25e-05	-9.22e-05	0.0
15	61	-0.02	6.37e-03	-0.16	2.56e-04	-4.85e-05	0.0
15	80	0.01	-0.01	-0.23	5.84e-04	2.96e-05	0.0
15	81	-0.01	0.01	-0.13	1.25e-04	-6.45e-05	0.0
15	87	-5.49e-04	7.54e-04	-0.18	3.48e-04	-1.58e-05	0.0
15	88	-4.28e-04	7.59e-04	-0.18	3.54e-04	-1.74e-05	0.0
15	89	-5.49e-04	7.54e-04	-0.18	3.48e-04	-1.58e-05	0.0
15	95	-2.60e-04	7.79e-04	-0.19	3.79e-04	-2.07e-05	0.0
15	100	-5.49e-04	7.54e-04	-0.18	3.48e-04	-1.58e-05	0.0
15	101	-3.47e-04	7.62e-04	-0.19	3.59e-04	-1.85e-05	0.0
15	105	-5.49e-04	7.54e-04	-0.18	3.48e-04	-1.58e-05	0.0
15	106	-4.28e-04	7.59e-04	-0.18	3.54e-04	-1.74e-05	0.0
16	5	-3.94e-04	8.06e-04	-0.18	2.67e-04	-2.23e-05	0.0
16	11	1.62e-04	1.12e-03	-0.25	3.92e-04	-4.00e-05	0.0
16	28	0.03	2.09e-03	-0.22	4.20e-04	2.86e-05	0.0
16	47	1.38e-03	5.26e-03	-0.10	-4.69e-05	-7.84e-05	0.0
16	48	0.01	-1.81e-03	-0.27	5.79e-04	5.27e-05	0.0
16	61	-0.02	2.93e-03	-0.15	1.80e-04	-5.59e-05	0.0
16	79	-2.00e-03	0.01	-0.13	7.13e-05	-6.13e-05	0.0
16	80	9.87e-03	-9.95e-03	-0.24	4.99e-04	2.20e-05	0.0
16	87	-3.34e-04	8.12e-04	-0.18	2.71e-04	-2.33e-05	0.0
16	88	-1.92e-04	8.20e-04	-0.18	2.76e-04	-2.51e-05	0.0
16	89	-3.34e-04	8.12e-04	-0.18	2.71e-04	-2.33e-05	0.0
16	95	2.31e-05	8.51e-04	-0.19	2.95e-04	-2.91e-05	0.0
16	100	-3.34e-04	8.12e-04	-0.18	2.71e-04	-2.33e-05	0.0
16	101	-9.81e-05	8.26e-04	-0.18	2.79e-04	-2.64e-05	0.0
16	105	-3.34e-04	8.12e-04	-0.18	2.71e-04	-2.33e-05	0.0
16	106	-1.92e-04	8.20e-04	-0.18	2.76e-04	-2.51e-05	0.0
17	4	-7.29e-03	-8.31e-04	-0.25	-2.86e-05	-3.05e-05	-1.10e-05
17	11	-6.78e-03	-8.36e-04	-0.26	-4.73e-05	-3.26e-05	-1.10e-05
17	34	-0.28	-0.08	-0.18	2.41e-04	-9.80e-05	-3.50e-05
17	42	-0.15	-0.40	-0.19	1.28e-03	-7.62e-05	-2.47e-04
17	44	8.41e-03	-0.39	-0.19	1.26e-03	-3.67e-05	-2.38e-04
17	66	-0.16	-0.04	-0.19	1.35e-04	-6.32e-05	-1.82e-05
17	74	-0.08	-0.23	-0.19	7.16e-04	-5.06e-05	-1.25e-04
17	76	7.58e-03	-0.22	-0.19	7.08e-04	-2.89e-05	-1.20e-04
17	88	-3.85e-03	-5.56e-04	-0.19	-4.93e-06	-2.11e-05	-7.60e-06
17	92	-5.15e-03	-6.17e-04	-0.19	-1.72e-05	-2.28e-05	-8.20e-06
17	95	-4.81e-03	-6.20e-04	-0.20	-2.96e-05	-2.42e-05	-8.23e-06
17	101	-4.17e-03	-5.68e-04	-0.19	-4.89e-06	-2.12e-05	-7.71e-06
17	104	-3.91e-03	-5.65e-04	-0.19	-9.88e-06	-2.17e-05	-7.68e-06
17	106	-3.85e-03	-5.56e-04	-0.19	-4.93e-06	-2.11e-05	-7.60e-06
18	9	1.42e-03	-1.29e-03	-0.17	-1.25e-04	2.21e-04	0.0
18	11	1.25e-03	-1.36e-03	-0.17	-1.25e-04	2.21e-04	0.0

18	31	0.03	4.03e-03	-0.13	-8.06e-05	1.68e-04	0.0
18	40	6.44e-03	-0.03	-0.14	-6.77e-05	2.50e-04	0.0
18	42	-7.50e-03	-0.04	-0.14	-7.13e-05	2.20e-04	0.0
18	63	0.01	8.79e-04	-0.13	-8.13e-05	1.58e-04	0.0
18	72	3.21e-03	-0.02	-0.14	-7.43e-05	2.02e-04	0.0
18	74	-4.46e-03	-0.02	-0.14	-7.63e-05	1.86e-04	0.0
18	87	1.03e-03	-9.12e-04	-0.13	-8.22e-05	1.44e-04	0.0
18	88	9.81e-04	-9.33e-04	-0.13	-8.21e-05	1.44e-04	0.0
18	93	1.09e-03	-9.69e-04	-0.13	-9.29e-05	1.64e-04	0.0
18	95	9.76e-04	-1.02e-03	-0.13	-9.29e-05	1.64e-04	0.0
18	101	9.50e-04	-9.47e-04	-0.13	-8.21e-05	1.44e-04	0.0
18	102	1.04e-03	-9.24e-04	-0.13	-8.43e-05	1.48e-04	0.0
18	104	9.93e-04	-9.45e-04	-0.13	-8.43e-05	1.48e-04	0.0
18	105	1.03e-03	-9.12e-04	-0.13	-8.22e-05	1.44e-04	0.0
18	106	9.81e-04	-9.33e-04	-0.13	-8.21e-05	1.44e-04	0.0
19	9	1.67e-03	-8.31e-04	-0.18	-2.39e-04	-1.87e-04	0.0
19	11	1.52e-03	-8.81e-04	-0.18	-2.39e-04	-1.87e-04	0.0
19	35	0.03	-2.42e-03	-0.14	-1.95e-04	-1.19e-04	0.0
19	42	-8.68e-03	-0.03	-0.13	-5.23e-05	-1.40e-04	0.0
19	51	0.01	7.49e-03	-0.14	-1.96e-04	-1.06e-04	0.0
19	67	0.02	-2.11e-03	-0.14	-1.72e-04	-1.19e-04	0.0
19	74	-5.76e-03	-0.02	-0.13	-9.31e-05	-1.30e-04	0.0
19	87	1.21e-03	-5.91e-04	-0.13	-1.43e-04	-1.18e-04	0.0
19	88	1.17e-03	-6.06e-04	-0.13	-1.43e-04	-1.18e-04	0.0
19	93	1.28e-03	-6.26e-04	-0.14	-1.75e-04	-1.38e-04	0.0
19	95	1.18e-03	-6.59e-04	-0.14	-1.75e-04	-1.38e-04	0.0
19	101	1.14e-03	-6.15e-04	-0.13	-1.43e-04	-1.18e-04	0.0
19	102	1.22e-03	-5.98e-04	-0.14	-1.50e-04	-1.22e-04	0.0
19	105	1.21e-03	-5.91e-04	-0.13	-1.43e-04	-1.18e-04	0.0
19	106	1.17e-03	-6.06e-04	-0.13	-1.43e-04	-1.18e-04	0.0
20	9	1.69e-03	-1.04e-03	-0.17	-1.04e-04	3.59e-06	0.0
20	11	1.54e-03	-1.10e-03	-0.17	-1.04e-04	3.60e-06	0.0
20	35	0.03	-2.12e-03	-0.13	-1.03e-04	-1.28e-05	0.0
20	41	-2.68e-03	0.03	-0.14	-2.13e-04	1.21e-04	0.0
20	42	-8.68e-03	-0.04	-0.12	1.16e-04	-8.52e-05	0.0
20	67	0.02	-2.21e-03	-0.13	-8.30e-05	-3.77e-06	0.0
20	73	3.80e-04	0.01	-0.13	-1.43e-04	6.97e-05	0.0
20	74	-5.73e-03	-0.02	-0.13	3.73e-05	-4.32e-05	0.0
20	87	1.22e-03	-7.37e-04	-0.13	-5.87e-05	7.48e-06	0.0
20	88	1.18e-03	-7.54e-04	-0.13	-5.86e-05	7.49e-06	0.0
20	93	1.30e-03	-7.81e-04	-0.13	-7.56e-05	3.77e-06	0.0
20	95	1.19e-03	-8.21e-04	-0.13	-7.55e-05	3.78e-06	0.0
20	101	1.15e-03	-7.66e-04	-0.13	-5.86e-05	7.49e-06	0.0
20	102	1.24e-03	-7.46e-04	-0.13	-6.21e-05	6.74e-06	0.0
20	104	1.19e-03	-7.63e-04	-0.13	-6.20e-05	6.75e-06	0.0
20	105	1.22e-03	-7.37e-04	-0.13	-5.87e-05	7.48e-06	0.0
20	106	1.18e-03	-7.54e-04	-0.13	-5.86e-05	7.49e-06	0.0
21	1	1.17e-03	6.05e-04	-0.15	0.0	-1.25e-05	0.0
21	9	1.23e-03	6.42e-04	-0.15	0.0	-1.50e-05	0.0
21	11	1.04e-03	6.78e-04	-0.15	0.0	-1.44e-05	0.0
21	29	-0.02	4.94e-03	-0.12	2.61e-06	-7.85e-06	0.0
21	36	0.03	-7.13e-03	-0.12	-4.28e-06	-1.09e-05	0.0
21	45	-7.55e-03	0.02	-0.12	1.40e-05	-9.04e-06	0.0
21	61	-0.01	4.12e-03	-0.12	1.63e-06	-8.54e-06	0.0
21	68	0.01	-4.78e-03	-0.12	-2.43e-06	-1.01e-05	0.0
21	77	-3.89e-03	0.02	-0.12	8.23e-06	-9.16e-06	0.0
21	87	9.12e-04	4.60e-04	-0.12	0.0	-9.51e-06	0.0
21	88	8.58e-04	4.70e-04	-0.12	0.0	-9.34e-06	0.0
21	89	9.12e-04	4.60e-04	-0.12	0.0	-9.51e-06	0.0
21	93	9.52e-04	4.84e-04	-0.12	0.0	-1.12e-05	0.0
21	95	8.27e-04	5.08e-04	-0.12	0.0	-1.08e-05	0.0
21	100	9.12e-04	4.60e-04	-0.12	0.0	-9.51e-06	0.0
21	101	8.22e-04	4.76e-04	-0.12	0.0	-9.22e-06	0.0
21	102	9.20e-04	4.64e-04	-0.12	0.0	-9.84e-06	0.0
21	105	9.12e-04	4.60e-04	-0.12	0.0	-9.51e-06	0.0
21	106	8.58e-04	4.70e-04	-0.12	0.0	-9.34e-06	0.0
22	1	3.21e-04	1.51e-03	-0.22	2.35e-04	2.43e-05	-2.41e-06
22	11	6.31e-05	1.69e-03	-0.23	2.93e-04	2.59e-05	-2.70e-06
22	28	0.03	-0.01	-0.18	2.04e-04	1.40e-04	2.40e-05
22	48	0.02	-0.04	-0.19	3.14e-04	-2.13e-05	4.90e-05
22	49	-0.02	0.04	-0.14	3.86e-05	5.64e-05	-5.28e-05
22	60	0.02	-9.42e-03	-0.17	1.94e-04	8.34e-05	1.56e-05
22	80	0.02	-0.03	-0.18	2.59e-04	-7.91e-06	3.70e-05
22	81	-0.02	0.03	-0.15	9.34e-05	4.19e-05	-4.07e-05
22	87	2.69e-04	1.14e-03	-0.17	1.76e-04	1.86e-05	-1.83e-06
22	88	1.98e-04	1.17e-03	-0.17	1.76e-04	1.70e-05	-1.87e-06
22	89	2.69e-04	1.14e-03	-0.17	1.76e-04	1.86e-05	-1.83e-06
22	95	9.76e-05	1.27e-03	-0.18	2.15e-04	1.97e-05	-2.02e-06
22	100	2.69e-04	1.14e-03	-0.17	1.76e-04	1.86e-05	-1.83e-06
22	101	1.51e-04	1.19e-03	-0.17	1.76e-04	1.60e-05	-1.89e-06

22	104	1.97e-04	1.18e-03	-0.17	1.84e-04	1.80e-05	-1.89e-06
22	105	2.69e-04	1.14e-03	-0.17	1.76e-04	1.86e-05	-1.83e-06
22	106	1.98e-04	1.17e-03	-0.17	1.76e-04	1.70e-05	-1.87e-06
23	9	4.43e-04	1.11e-03	-0.24	3.76e-04	1.83e-04	0.0
23	11	2.06e-04	1.17e-03	-0.23	3.77e-04	1.82e-04	0.0
23	28	0.03	-6.38e-03	-0.17	2.29e-04	8.81e-05	0.0
23	46	-6.24e-04	-0.02	-0.17	2.85e-04	1.02e-04	0.0
23	53	-0.02	0.03	-0.17	1.81e-04	1.55e-04	0.0
23	60	0.02	-4.82e-03	-0.17	2.28e-04	1.01e-04	0.0
23	78	2.72e-03	-0.02	-0.17	2.60e-04	1.07e-04	0.0
23	85	-0.01	0.02	-0.17	2.00e-04	1.39e-04	0.0
23	87	3.57e-04	7.87e-04	-0.17	2.26e-04	1.17e-04	0.0
23	88	2.89e-04	8.05e-04	-0.17	2.26e-04	1.17e-04	0.0
23	93	3.61e-04	8.32e-04	-0.18	2.76e-04	1.36e-04	0.0
23	95	2.03e-04	8.74e-04	-0.18	2.76e-04	1.35e-04	0.0
23	101	2.44e-04	8.17e-04	-0.17	2.26e-04	1.17e-04	0.0
23	102	3.58e-04	7.96e-04	-0.17	2.36e-04	1.21e-04	0.0
23	105	3.57e-04	7.87e-04	-0.17	2.26e-04	1.17e-04	0.0
23	106	2.89e-04	8.05e-04	-0.17	2.26e-04	1.17e-04	0.0
24	9	4.48e-04	9.48e-04	-0.25	3.88e-04	-6.13e-05	-2.28e-06
24	11	2.13e-04	1.00e-03	-0.25	3.88e-04	-6.27e-05	-2.41e-06
24	32	0.03	-7.96e-03	-0.18	2.70e-04	1.00e-04	-1.08e-06
24	36	0.03	-8.28e-03	-0.18	2.67e-04	1.09e-04	4.48e-06
24	53	-0.02	0.03	-0.17	1.64e-04	-6.84e-05	-3.78e-05
24	60	0.02	-4.53e-03	-0.18	2.53e-04	4.11e-05	1.27e-05
24	64	0.02	-5.48e-03	-0.18	2.54e-04	3.76e-05	1.39e-06
24	85	-0.01	0.02	-0.18	1.92e-04	-5.71e-05	-3.06e-05
24	87	3.60e-04	6.74e-04	-0.18	2.34e-04	-3.95e-05	-1.62e-06
24	88	2.93e-04	6.90e-04	-0.18	2.34e-04	-3.99e-05	-1.66e-06
24	93	3.64e-04	7.14e-04	-0.19	2.85e-04	-4.54e-05	-1.72e-06
24	95	2.07e-04	7.49e-04	-0.19	2.85e-04	-4.64e-05	-1.81e-06
24	101	2.48e-04	7.00e-04	-0.18	2.34e-04	-4.02e-05	-1.68e-06
24	102	3.61e-04	6.82e-04	-0.18	2.44e-04	-4.07e-05	-1.64e-06
24	105	3.60e-04	6.74e-04	-0.18	2.34e-04	-3.95e-05	-1.62e-06
24	106	2.93e-04	6.90e-04	-0.18	2.34e-04	-3.99e-05	-1.66e-06
25	9	5.01e-04	6.39e-04	-0.21	2.62e-04	-2.27e-04	0.0
25	11	2.71e-04	6.76e-04	-0.21	2.62e-04	-2.26e-04	0.0
25	36	0.03	-7.19e-03	-0.16	1.93e-04	-2.36e-04	0.0
25	45	-0.01	0.02	-0.15	1.20e-04	-1.33e-04	0.0
25	68	0.02	-4.81e-03	-0.16	1.75e-04	-1.96e-04	0.0
25	77	-9.64e-03	0.02	-0.15	1.33e-04	-1.39e-04	0.0
25	87	3.92e-04	4.56e-04	-0.15	1.51e-04	-1.46e-04	0.0
25	88	3.27e-04	4.67e-04	-0.15	1.51e-04	-1.46e-04	0.0
25	93	4.03e-04	4.82e-04	-0.16	1.91e-04	-1.69e-04	0.0
25	95	2.49e-04	5.06e-04	-0.16	1.91e-04	-1.68e-04	0.0
25	101	2.83e-04	4.74e-04	-0.15	1.51e-04	-1.46e-04	0.0
25	102	3.94e-04	4.61e-04	-0.15	1.59e-04	-1.51e-04	0.0
25	105	3.92e-04	4.56e-04	-0.15	1.51e-04	-1.46e-04	0.0
25	106	3.27e-04	4.67e-04	-0.15	1.51e-04	-1.46e-04	0.0
26	9	5.36e-04	4.14e-04	-0.20	2.29e-04	1.13e-04	0.0
26	11	3.09e-04	4.38e-04	-0.20	2.29e-04	1.14e-04	0.0
26	34	-0.02	-4.48e-03	-0.15	1.66e-04	2.07e-04	0.0
26	36	0.03	-6.59e-03	-0.14	1.08e-04	-4.69e-05	0.0
26	39	2.58e-03	0.02	-0.14	9.42e-05	3.25e-06	0.0
26	66	-0.01	-3.08e-03	-0.15	1.50e-04	1.47e-04	0.0
26	68	0.02	-4.30e-03	-0.15	1.18e-04	7.28e-06	0.0
26	71	-1.15e-03	0.02	-0.15	1.10e-04	3.48e-05	0.0
26	87	4.13e-04	2.96e-04	-0.15	1.30e-04	7.33e-05	0.0
26	88	3.49e-04	3.02e-04	-0.15	1.30e-04	7.34e-05	0.0
26	93	4.28e-04	3.12e-04	-0.15	1.66e-04	8.42e-05	0.0
26	95	2.77e-04	3.28e-04	-0.15	1.67e-04	8.45e-05	0.0
26	101	3.05e-04	3.07e-04	-0.15	1.30e-04	7.35e-05	0.0
26	102	4.16e-04	2.99e-04	-0.15	1.38e-04	7.55e-05	0.0
26	105	4.13e-04	2.96e-04	-0.15	1.30e-04	7.33e-05	0.0
26	106	3.49e-04	3.02e-04	-0.15	1.30e-04	7.34e-05	0.0
27	9	5.89e-04	8.84e-05	-0.25	3.94e-04	5.14e-05	-1.91e-06
27	11	3.66e-04	9.08e-05	-0.25	3.94e-04	4.98e-05	-2.03e-06
27	18	2.82e-04	9.21e-05	-0.24	3.63e-04	4.64e-05	-2.00e-06
27	36	0.03	-6.03e-03	-0.17	2.39e-04	2.04e-04	2.19e-06
27	39	3.07e-03	0.02	-0.17	1.33e-04	1.15e-04	-1.28e-05
27	46	-1.99e-03	-0.02	-0.18	3.40e-04	-5.15e-05	1.42e-05
27	68	0.02	-3.71e-03	-0.18	2.39e-04	1.27e-04	2.83e-06
27	71	-6.84e-04	0.01	-0.17	1.78e-04	7.48e-05	-1.52e-05
27	78	1.43e-03	-0.01	-0.18	2.95e-04	-1.17e-05	1.47e-05
27	87	4.45e-04	6.17e-05	-0.18	2.37e-04	3.22e-05	-1.37e-06
27	88	3.81e-04	6.24e-05	-0.18	2.37e-04	3.17e-05	-1.40e-06
27	93	4.67e-04	6.65e-05	-0.19	2.89e-04	3.81e-05	-1.44e-06
27	95	3.18e-04	6.81e-05	-0.19	2.89e-04	3.70e-05	-1.52e-06
27	99	2.62e-04	6.90e-05	-0.18	2.68e-04	3.47e-05	-1.50e-06
27	102	4.50e-04	6.26e-05	-0.18	2.47e-04	3.34e-05	-1.38e-06

27	104	3.86e-04	6.33e-05	-0.18	2.47e-04	3.29e-05	-1.42e-06
27	105	4.45e-04	6.17e-05	-0.18	2.37e-04	3.22e-05	-1.37e-06
27	106	3.81e-04	6.24e-05	-0.18	2.37e-04	3.17e-05	-1.40e-06
28	9	5.83e-04	1.31e-05	-0.24	4.20e-04	-1.09e-04	0.0
28	16	4.98e-04	1.52e-05	-0.24	3.89e-04	-1.03e-04	0.0
28	36	0.03	-5.96e-03	-0.18	2.77e-04	-2.65e-05	0.0
28	42	-2.03e-03	-0.02	-0.18	3.16e-04	-7.76e-05	0.0
28	44	0.01	-0.02	-0.18	3.23e-04	-5.30e-05	0.0
28	68	0.02	-3.61e-03	-0.18	2.66e-04	-4.63e-05	0.0
28	71	-6.22e-04	0.01	-0.17	2.18e-04	-6.71e-05	0.0
28	76	9.38e-03	-0.01	-0.18	2.92e-04	-6.06e-05	0.0
28	87	4.41e-04	7.88e-06	-0.17	2.53e-04	-7.05e-05	0.0
28	93	4.62e-04	9.78e-06	-0.18	3.08e-04	-8.08e-05	0.0
28	97	4.06e-04	1.11e-05	-0.18	2.88e-04	-7.72e-05	0.0
28	102	4.45e-04	8.26e-06	-0.18	2.64e-04	-7.26e-05	0.0
28	105	4.41e-04	7.88e-06	-0.17	2.53e-04	-7.05e-05	0.0
29	9	1.46e-03	4.11e-04	-0.16	-1.36e-04	1.90e-05	0.0
29	11	1.29e-03	4.33e-04	-0.16	-1.36e-04	1.93e-05	0.0
29	35	0.03	3.25e-03	-0.12	-8.16e-05	8.71e-06	0.0
29	39	0.01	0.02	-0.12	-7.23e-05	1.24e-05	0.0
29	42	-7.88e-03	-0.02	-0.12	-9.18e-05	1.23e-05	0.0
29	67	0.02	2.76e-03	-0.12	-8.17e-05	1.04e-05	0.0
29	71	6.86e-03	0.02	-0.12	-7.64e-05	1.24e-05	0.0
29	74	-4.81e-03	-0.01	-0.12	-8.77e-05	1.23e-05	0.0
29	87	1.07e-03	2.95e-04	-0.12	-8.20e-05	1.23e-05	0.0
29	88	1.03e-03	3.01e-04	-0.12	-8.20e-05	1.24e-05	0.0
29	93	1.13e-03	3.10e-04	-0.12	-9.98e-05	1.41e-05	0.0
29	95	1.01e-03	3.25e-04	-0.12	-9.98e-05	1.43e-05	0.0
29	101	9.93e-04	3.05e-04	-0.12	-8.20e-05	1.24e-05	0.0
29	102	1.09e-03	2.98e-04	-0.12	-8.56e-05	1.26e-05	0.0
29	105	1.07e-03	2.95e-04	-0.12	-8.20e-05	1.23e-05	0.0
29	106	1.03e-03	3.01e-04	-0.12	-8.20e-05	1.24e-05	0.0
30	9	5.76e-04	-4.15e-04	-0.25	4.29e-04	1.77e-04	0.0
30	11	3.58e-04	-4.41e-04	-0.25	4.29e-04	1.77e-04	0.0
30	36	0.03	-6.14e-03	-0.17	2.52e-04	9.67e-05	0.0
30	42	-2.30e-03	-0.03	-0.19	3.68e-04	1.66e-04	0.0
30	68	0.02	-3.40e-03	-0.17	2.55e-04	1.04e-04	0.0
30	74	1.08e-03	-0.01	-0.18	3.19e-04	1.43e-04	0.0
30	87	4.33e-04	-2.96e-04	-0.18	2.59e-04	1.14e-04	0.0
30	88	3.71e-04	-3.04e-04	-0.18	2.59e-04	1.14e-04	0.0
30	93	4.56e-04	-3.12e-04	-0.19	3.15e-04	1.31e-04	0.0
30	95	3.11e-04	-3.30e-04	-0.19	3.15e-04	1.31e-04	0.0
30	101	3.29e-04	-3.09e-04	-0.18	2.59e-04	1.14e-04	0.0
30	102	4.38e-04	-3.00e-04	-0.18	2.70e-04	1.17e-04	0.0
30	104	3.76e-04	-3.07e-04	-0.18	2.70e-04	1.17e-04	0.0
30	105	4.33e-04	-2.96e-04	-0.18	2.59e-04	1.14e-04	0.0
30	106	3.71e-04	-3.04e-04	-0.18	2.59e-04	1.14e-04	0.0
31	9	5.58e-04	-5.58e-04	-0.26	4.22e-04	-1.36e-04	-2.07e-06
31	11	3.40e-04	-5.93e-04	-0.26	4.22e-04	-1.37e-04	-2.19e-06
31	36	0.03	-6.60e-03	-0.19	3.01e-04	9.02e-05	0.0
31	40	0.01	-0.03	-0.19	4.26e-04	-8.36e-05	1.44e-05
31	42	-2.34e-03	-0.03	-0.19	4.08e-04	-1.85e-04	8.60e-06
31	68	0.02	-3.55e-03	-0.18	2.81e-04	1.11e-05	1.23e-06
31	72	8.91e-03	-0.01	-0.19	3.50e-04	-8.26e-05	1.39e-05
31	74	1.01e-03	-0.02	-0.19	3.40e-04	-1.38e-04	1.07e-05
31	87	4.21e-04	-3.98e-04	-0.18	2.56e-04	-8.67e-05	-1.47e-06
31	88	3.58e-04	-4.08e-04	-0.18	2.56e-04	-8.71e-05	-1.50e-06
31	93	4.43e-04	-4.20e-04	-0.19	3.10e-04	-1.00e-04	-1.56e-06
31	95	2.97e-04	-4.43e-04	-0.19	3.10e-04	-1.01e-04	-1.64e-06
31	101	3.17e-04	-4.15e-04	-0.18	2.56e-04	-8.74e-05	-1.52e-06
31	102	4.25e-04	-4.03e-04	-0.18	2.66e-04	-8.94e-05	-1.49e-06
31	105	4.21e-04	-3.98e-04	-0.18	2.56e-04	-8.67e-05	-1.47e-06
31	106	3.58e-04	-4.08e-04	-0.18	2.56e-04	-8.71e-05	-1.50e-06
32	9	6.31e-04	-8.29e-04	-0.21	2.23e-04	-3.96e-04	0.0
32	11	4.15e-04	-8.78e-04	-0.21	2.23e-04	-3.96e-04	0.0
32	36	0.03	-8.11e-03	-0.16	1.94e-04	-3.27e-04	0.0
32	40	0.01	-0.03	-0.16	2.85e-04	-1.80e-04	0.0
32	42	-2.26e-03	-0.03	-0.16	2.56e-04	-1.27e-04	0.0
32	68	0.02	-4.22e-03	-0.15	1.64e-04	-2.93e-04	0.0
32	72	8.89e-03	-0.01	-0.16	2.15e-04	-2.12e-04	0.0
32	74	1.03e-03	-0.02	-0.16	1.99e-04	-1.83e-04	0.0
32	87	4.64e-04	-5.90e-04	-0.15	1.28e-04	-2.51e-04	0.0
32	88	4.03e-04	-6.04e-04	-0.15	1.28e-04	-2.51e-04	0.0
32	93	4.96e-04	-6.24e-04	-0.16	1.63e-04	-2.93e-04	0.0
32	95	3.52e-04	-6.57e-04	-0.16	1.62e-04	-2.93e-04	0.0
32	101	3.61e-04	-6.13e-04	-0.15	1.28e-04	-2.51e-04	0.0
32	102	4.71e-04	-5.97e-04	-0.15	1.35e-04	-2.60e-04	0.0
32	105	4.64e-04	-5.90e-04	-0.15	1.28e-04	-2.51e-04	0.0
32	106	4.03e-04	-6.04e-04	-0.15	1.28e-04	-2.51e-04	0.0
33	9	6.87e-04	-1.01e-03	-0.18	5.61e-05	-9.85e-05	0.0

33	11	4.72e-04	-1.07e-03	-0.18	5.63e-05	-9.81e-05	0.0
33	36	0.03	-9.76e-03	-0.14	9.14e-05	-7.57e-05	0.0
33	42	-2.17e-03	-0.04	-0.16	3.10e-04	2.02e-04	0.0
33	68	0.02	-5.00e-03	-0.14	6.03e-05	-6.63e-05	0.0
33	74	1.07e-03	-0.02	-0.15	1.80e-04	8.58e-05	0.0
33	87	4.97e-04	-7.19e-04	-0.13	2.25e-05	-5.43e-05	0.0
33	88	4.35e-04	-7.36e-04	-0.13	2.25e-05	-5.42e-05	0.0
33	93	5.37e-04	-7.58e-04	-0.14	3.87e-05	-7.12e-05	0.0
33	95	3.93e-04	-7.99e-04	-0.14	3.88e-05	-7.09e-05	0.0
33	101	3.94e-04	-7.48e-04	-0.13	2.26e-05	-5.41e-05	0.0
33	102	5.05e-04	-7.27e-04	-0.13	2.57e-05	-5.77e-05	0.0
33	104	4.43e-04	-7.44e-04	-0.13	2.58e-05	-5.76e-05	0.0
33	105	4.97e-04	-7.19e-04	-0.13	2.25e-05	-5.43e-05	0.0
33	106	4.35e-04	-7.36e-04	-0.13	2.25e-05	-5.42e-05	0.0
34	4	4.07e-04	-1.24e-03	-0.19	-2.35e-05	2.77e-04	0.0
34	9	7.52e-04	-1.17e-03	-0.19	-2.07e-05	2.89e-04	0.0
34	11	5.37e-04	-1.24e-03	-0.19	-2.02e-05	2.89e-04	0.0
34	36	0.03	-4.96e-03	-0.14	1.50e-04	3.48e-04	0.0
34	42	-2.07e-03	-0.04	-0.22	7.01e-04	8.16e-04	0.0
34	68	0.02	-2.20e-03	-0.14	7.22e-05	2.82e-04	0.0
34	74	1.14e-03	-0.02	-0.18	3.75e-04	5.39e-04	0.0
34	87	5.34e-04	-8.41e-04	-0.14	-2.21e-05	2.01e-04	0.0
34	88	4.73e-04	-8.62e-04	-0.14	-2.19e-05	2.02e-04	0.0
34	92	3.54e-04	-9.31e-04	-0.14	-1.92e-05	2.10e-04	0.0
34	93	5.84e-04	-8.80e-04	-0.15	-1.73e-05	2.18e-04	0.0
34	95	4.40e-04	-9.29e-04	-0.15	-1.69e-05	2.18e-04	0.0
34	101	4.32e-04	-8.76e-04	-0.14	-2.18e-05	2.02e-04	0.0
34	102	5.44e-04	-8.49e-04	-0.14	-2.11e-05	2.05e-04	0.0
34	104	4.83e-04	-8.70e-04	-0.14	-2.10e-05	2.05e-04	0.0
34	105	5.34e-04	-8.41e-04	-0.14	-2.21e-05	2.01e-04	0.0
34	106	4.73e-04	-8.62e-04	-0.14	-2.19e-05	2.02e-04	0.0
35	4	4.71e-04	-1.65e-03	-0.23	-2.27e-05	3.94e-04	2.71e-06
35	9	8.25e-04	-1.56e-03	-0.24	-2.46e-05	4.22e-04	2.69e-06
35	11	6.09e-04	-1.65e-03	-0.24	-2.37e-05	4.21e-04	2.66e-06
35	36	0.03	-5.46e-03	-0.21	3.07e-04	5.80e-04	-3.39e-05
35	40	0.01	-0.04	-0.31	1.19e-03	6.37e-04	6.59e-06
35	42	-1.97e-03	-0.05	-0.30	1.34e-03	4.84e-04	3.20e-05
35	68	0.02	-2.37e-03	-0.20	1.60e-04	4.45e-04	-1.58e-05
35	72	9.07e-03	-0.02	-0.25	6.46e-04	4.78e-04	1.10e-05
35	74	1.21e-03	-0.02	-0.24	7.29e-04	3.94e-04	2.50e-05
35	87	5.76e-04	-1.14e-03	-0.18	-1.78e-05	2.81e-04	2.19e-06
35	88	5.15e-04	-1.16e-03	-0.18	-1.76e-05	2.80e-04	2.18e-06
35	92	4.01e-04	-1.24e-03	-0.18	-1.75e-05	2.97e-04	2.11e-06
35	93	6.37e-04	-1.18e-03	-0.18	-1.87e-05	3.15e-04	2.10e-06
35	95	4.93e-04	-1.24e-03	-0.18	-1.82e-05	3.14e-04	2.07e-06
35	101	4.74e-04	-1.18e-03	-0.18	-1.74e-05	2.80e-04	2.17e-06
35	102	5.89e-04	-1.14e-03	-0.18	-1.80e-05	2.88e-04	2.17e-06
35	104	5.27e-04	-1.17e-03	-0.18	-1.78e-05	2.87e-04	2.16e-06
35	105	5.76e-04	-1.14e-03	-0.18	-1.78e-05	2.81e-04	2.19e-06
35	106	5.15e-04	-1.16e-03	-0.18	-1.76e-05	2.80e-04	2.18e-06
36	9	2.07e-03	1.51e-03	-0.22	-3.13e-04	0.0	0.0
36	11	1.92e-03	1.59e-03	-0.22	-3.14e-04	-2.09e-06	0.0
36	35	0.03	8.84e-03	-0.17	-2.38e-04	-1.28e-04	0.0
36	47	0.02	0.03	-0.17	-2.71e-04	-1.27e-04	0.0
36	51	0.02	0.03	-0.17	-2.71e-04	-1.28e-04	0.0
36	67	0.02	7.35e-03	-0.17	-2.16e-04	-7.28e-05	0.0
36	79	0.02	0.03	-0.17	-2.36e-04	-7.53e-05	0.0
36	83	0.02	0.02	-0.17	-2.36e-04	-7.59e-05	0.0
36	87	1.52e-03	1.08e-03	-0.16	-1.87e-04	-2.47e-06	0.0
36	88	1.48e-03	1.10e-03	-0.16	-1.87e-04	-3.08e-06	0.0
36	93	1.59e-03	1.14e-03	-0.17	-2.29e-04	0.0	0.0
36	95	1.49e-03	1.19e-03	-0.17	-2.30e-04	-1.78e-06	0.0
36	101	1.45e-03	1.12e-03	-0.16	-1.87e-04	-3.49e-06	0.0
36	102	1.53e-03	1.09e-03	-0.16	-1.95e-04	-2.05e-06	0.0
36	104	1.49e-03	1.12e-03	-0.16	-1.95e-04	-2.66e-06	0.0
36	105	1.52e-03	1.08e-03	-0.16	-1.87e-04	-2.47e-06	0.0
36	106	1.48e-03	1.10e-03	-0.16	-1.87e-04	-3.08e-06	0.0
37	3	8.71e-04	-1.05e-03	-0.16	0.0	5.08e-05	0.0
37	9	1.20e-03	-1.03e-03	-0.15	0.0	5.94e-05	0.0
37	11	1.02e-03	-1.09e-03	-0.15	0.0	5.94e-05	0.0
37	36	0.03	-9.80e-03	-0.12	-1.85e-05	4.51e-05	0.0
37	37	-0.02	8.19e-03	-0.12	1.72e-05	3.18e-05	0.0
37	42	-4.91e-03	-0.04	-0.12	-7.61e-05	3.68e-05	0.0
37	68	0.01	-5.02e-03	-0.12	-1.04e-05	4.21e-05	0.0
37	69	-0.01	3.52e-03	-0.12	9.18e-06	3.48e-05	0.0
37	74	-2.39e-03	-0.02	-0.12	-4.20e-05	3.75e-05	0.0
37	87	8.76e-04	-7.33e-04	-0.12	0.0	3.84e-05	0.0
37	88	8.25e-04	-7.50e-04	-0.12	0.0	3.84e-05	0.0
37	91	7.06e-04	-7.91e-04	-0.12	0.0	3.84e-05	0.0
37	93	9.24e-04	-7.75e-04	-0.12	0.0	4.41e-05	0.0

37	95	8.05e-04	-8.16e-04	-0.12	0.0	4.41e-05	0.0
37	101	7.91e-04	-7.62e-04	-0.12	0.0	3.84e-05	0.0
37	102	8.86e-04	-7.41e-04	-0.12	0.0	3.96e-05	0.0
37	105	8.76e-04	-7.33e-04	-0.12	0.0	3.84e-05	0.0
37	106	8.25e-04	-7.50e-04	-0.12	0.0	3.84e-05	0.0
38	4	4.41e-04	-1.58e-03	-0.25	-3.66e-05	3.75e-04	0.0
38	9	7.92e-04	-1.47e-03	-0.26	-4.01e-05	4.02e-04	0.0
38	36	0.03	-5.42e-03	-0.23	3.18e-04	5.42e-04	0.0
38	40	0.01	-0.04	-0.33	1.26e-03	5.27e-04	0.0
38	42	-1.99e-03	-0.05	-0.31	1.42e-03	3.83e-04	0.0
38	68	0.02	-2.25e-03	-0.21	1.62e-04	4.18e-04	0.0
38	72	9.05e-03	-0.02	-0.27	6.79e-04	4.11e-04	0.0
38	74	1.18e-03	-0.02	-0.26	7.67e-04	3.31e-04	0.0
38	87	5.54e-04	-1.08e-03	-0.19	-2.74e-05	2.66e-04	0.0
38	88	4.93e-04	-1.11e-03	-0.19	-2.71e-05	2.66e-04	0.0
38	92	3.78e-04	-1.18e-03	-0.19	-2.78e-05	2.82e-04	0.0
38	93	6.13e-04	-1.11e-03	-0.19	-3.02e-05	3.00e-04	0.0
38	101	4.52e-04	-1.12e-03	-0.19	-2.69e-05	2.66e-04	0.0
38	102	5.66e-04	-1.09e-03	-0.19	-2.80e-05	2.73e-04	0.0
38	105	5.54e-04	-1.08e-03	-0.19	-2.74e-05	2.66e-04	0.0
38	106	4.93e-04	-1.11e-03	-0.19	-2.71e-05	2.66e-04	0.0
39	9	2.58e-04	0.01	-0.23	-4.11e-06	1.72e-05	-1.10e-05
39	11	1.54e-04	0.01	-0.24	-3.85e-06	1.81e-05	-1.18e-05
39	35	0.04	0.08	-0.16	-2.19e-04	1.73e-05	-3.96e-05
39	49	1.37e-04	0.19	-0.24	-5.66e-04	-3.95e-05	-7.58e-05
39	67	0.02	0.06	-0.17	-1.30e-04	1.40e-05	-2.67e-05
39	81	2.54e-03	0.14	-0.21	-3.37e-04	-1.87e-05	-4.89e-05
39	87	1.37e-04	9.27e-03	-0.17	-3.96e-06	1.20e-05	-8.29e-06
39	88	1.07e-04	9.51e-03	-0.17	-3.89e-06	1.22e-05	-8.49e-06
39	93	1.93e-04	9.80e-03	-0.17	-3.35e-06	1.29e-05	-8.40e-06
39	95	1.23e-04	0.01	-0.18	-3.18e-06	1.35e-05	-8.87e-06
39	101	8.77e-05	9.67e-03	-0.17	-3.84e-06	1.24e-05	-8.63e-06
39	102	1.48e-04	9.38e-03	-0.17	-3.84e-06	1.22e-05	-8.31e-06
39	105	1.37e-04	9.27e-03	-0.17	-3.96e-06	1.20e-05	-8.29e-06
39	106	1.07e-04	9.51e-03	-0.17	-3.89e-06	1.22e-05	-8.49e-06
40	9	3.01e-04	0.01	-0.23	5.09e-05	1.89e-05	-5.68e-06
40	11	1.50e-04	0.01	-0.24	5.55e-05	1.92e-05	-6.16e-06
40	35	0.04	0.08	-0.17	-1.94e-04	4.37e-05	-3.04e-05
40	49	7.17e-04	0.18	-0.23	-5.66e-04	-2.33e-05	-5.87e-05
40	67	0.02	0.06	-0.17	-9.42e-05	-2.04e-05	-2.04e-05
40	81	2.96e-03	0.13	-0.21	-3.07e-04	-9.50e-06	-4.01e-05
40	87	1.53e-04	8.65e-03	-0.17	3.49e-05	1.28e-05	-4.17e-06
40	88	1.10e-04	8.88e-03	-0.17	3.62e-05	1.29e-05	-4.31e-06
40	93	2.25e-04	9.16e-03	-0.17	3.79e-05	1.42e-05	-4.30e-06
40	95	1.25e-04	9.68e-03	-0.18	4.10e-05	1.44e-05	-4.62e-06
40	101	8.16e-05	9.03e-03	-0.17	3.70e-05	1.30e-05	-4.40e-06
40	102	1.68e-04	8.76e-03	-0.17	3.55e-05	1.31e-05	-4.20e-06
40	105	1.53e-04	8.65e-03	-0.17	3.49e-05	1.28e-05	-4.17e-06
40	106	1.10e-04	8.88e-03	-0.17	3.62e-05	1.29e-05	-4.31e-06
41	9	3.58e-04	0.01	-0.23	9.78e-05	1.90e-05	-5.29e-06
41	11	1.58e-04	0.01	-0.24	1.05e-04	1.85e-05	-5.59e-06
41	35	0.04	0.08	-0.17	-1.69e-04	4.08e-05	-3.13e-05
41	49	1.49e-03	0.18	-0.23	-5.56e-04	-1.53e-05	-6.17e-05
41	67	0.02	0.05	-0.17	-6.37e-05	2.73e-05	-2.12e-05
41	81	3.51e-03	0.13	-0.21	-2.83e-04	-5.02e-06	-4.28e-05
41	87	1.94e-04	7.97e-03	-0.17	6.86e-05	1.27e-05	-3.86e-06
41	88	1.37e-04	8.17e-03	-0.17	7.08e-05	1.26e-05	-3.94e-06
41	93	2.72e-04	8.45e-03	-0.18	7.33e-05	1.42e-05	-4.00e-06
41	95	1.38e-04	8.91e-03	-0.18	7.83e-05	1.39e-05	-4.20e-06
41	101	9.91e-05	8.30e-03	-0.18	7.22e-05	1.25e-05	-4.00e-06
41	102	2.10e-04	8.06e-03	-0.17	6.96e-05	1.30e-05	-3.88e-06
41	105	1.94e-04	7.97e-03	-0.17	6.86e-05	1.27e-05	-3.86e-06
41	106	1.37e-04	8.17e-03	-0.17	7.08e-05	1.26e-05	-3.94e-06
42	9	2.88e-04	0.01	-0.24	1.14e-04	1.43e-05	-4.59e-06
42	11	4.51e-05	0.01	-0.25	1.22e-04	1.33e-05	-4.73e-06
42	35	0.04	0.07	-0.18	-1.55e-04	6.02e-05	-3.48e-05
42	49	2.37e-03	0.17	-0.23	-5.46e-04	-1.11e-05	-7.07e-05
42	67	0.02	0.05	-0.18	-5.10e-05	3.69e-05	-2.35e-05
42	81	4.12e-03	0.13	-0.21	-2.73e-04	-2.84e-06	-4.99e-05
42	87	1.59e-04	7.63e-03	-0.17	8.08e-05	9.63e-06	-3.23e-06
42	88	9.00e-05	7.83e-03	-0.17	8.31e-05	9.35e-06	-3.27e-06
42	93	2.25e-04	8.10e-03	-0.18	8.57e-05	1.07e-05	-3.46e-06
42	95	6.31e-05	8.55e-03	-0.19	9.12e-05	1.01e-05	-3.55e-06
42	101	4.39e-05	7.96e-03	-0.18	8.47e-05	9.17e-06	-3.30e-06
42	102	1.72e-04	7.73e-03	-0.17	8.18e-05	9.85e-06	-3.27e-06
42	105	1.59e-04	7.63e-03	-0.17	8.08e-05	9.63e-06	-3.23e-06
42	106	9.00e-05	7.83e-03	-0.17	8.31e-05	9.35e-06	-3.27e-06
43	9	-2.08e-03	-2.36e-04	-0.24	1.52e-05	-2.76e-05	7.49e-06
43	11	-2.06e-03	-2.07e-04	-0.25	1.64e-05	-2.98e-05	7.21e-06
43	16	-1.91e-03	-2.37e-04	-0.23	1.51e-05	-2.85e-05	7.55e-06

43	29	-0.03	0.03	-0.19	-2.79e-04	-6.83e-05	-3.20e-05
43	49	-0.02	0.05	-0.14	-5.97e-04	-6.33e-05	-5.74e-05
43	54	5.68e-03	-0.04	-0.22	5.59e-04	0.0	6.10e-05
43	61	-0.02	0.02	-0.18	-1.60e-04	-4.66e-05	-1.79e-05
43	80	0.01	-0.04	-0.20	3.88e-04	1.74e-06	5.05e-05
43	86	5.72e-03	-0.04	-0.21	3.59e-04	-1.07e-05	4.54e-05
43	87	-1.48e-03	-1.37e-04	-0.17	1.18e-05	-2.01e-05	5.58e-06
43	88	-1.48e-03	-1.28e-04	-0.18	1.21e-05	-2.07e-05	5.50e-06
43	93	-1.58e-03	-1.74e-04	-0.18	1.16e-05	-2.08e-05	5.74e-06
43	95	-1.56e-03	-1.55e-04	-0.19	1.25e-05	-2.23e-05	5.55e-06
43	97	-1.46e-03	-1.74e-04	-0.18	1.16e-05	-2.15e-05	5.78e-06
43	101	-1.47e-03	-1.23e-04	-0.18	1.24e-05	-2.11e-05	5.44e-06
43	102	-1.50e-03	-1.44e-04	-0.17	1.17e-05	-2.02e-05	5.61e-06
43	105	-1.48e-03	-1.37e-04	-0.17	1.18e-05	-2.01e-05	5.58e-06
43	106	-1.48e-03	-1.28e-04	-0.18	1.21e-05	-2.07e-05	5.50e-06
44	1	-2.06e-03	3.42e-04	-0.22	2.16e-04	-2.20e-05	-1.19e-05
44	9	-2.22e-03	3.08e-04	-0.23	2.27e-04	-2.29e-05	-1.26e-05
44	11	-2.19e-03	3.08e-04	-0.24	2.40e-04	-2.48e-05	-1.37e-05
44	29	-0.03	0.03	-0.19	1.25e-04	-5.95e-05	-3.88e-05
44	49	-0.02	0.04	-0.14	-2.50e-04	-1.59e-05	-5.71e-05
44	54	5.66e-03	-0.04	-0.22	5.99e-04	-4.71e-05	3.97e-05
44	61	-0.02	0.02	-0.18	1.33e-04	-3.99e-05	-2.84e-05
44	81	-0.02	0.04	-0.15	-9.98e-05	-1.45e-05	-4.66e-05
44	86	5.64e-03	-0.04	-0.20	4.60e-04	-3.56e-05	2.68e-05
44	87	-1.58e-03	2.66e-04	-0.17	1.64e-04	-1.67e-05	-8.96e-06
44	88	-1.57e-03	2.66e-04	-0.17	1.68e-04	-1.73e-05	-9.28e-06
44	89	-1.58e-03	2.66e-04	-0.17	1.64e-04	-1.67e-05	-8.96e-06
44	93	-1.68e-03	2.43e-04	-0.18	1.71e-04	-1.73e-05	-9.45e-06
44	95	-1.66e-03	2.43e-04	-0.18	1.80e-04	-1.85e-05	-1.02e-05
44	100	-1.58e-03	2.66e-04	-0.17	1.64e-04	-1.67e-05	-8.96e-06
44	101	-1.57e-03	2.66e-04	-0.18	1.70e-04	-1.76e-05	-9.50e-06
44	102	-1.60e-03	2.61e-04	-0.17	1.66e-04	-1.68e-05	-9.06e-06
44	105	-1.58e-03	2.66e-04	-0.17	1.64e-04	-1.67e-05	-8.96e-06
44	106	-1.57e-03	2.66e-04	-0.17	1.68e-04	-1.73e-05	-9.28e-06
45	1	-2.16e-03	4.90e-04	-0.22	3.98e-04	-3.56e-06	-8.16e-06
45	9	-2.33e-03	4.64e-04	-0.23	4.20e-04	-3.12e-06	-8.63e-06
45	11	-2.29e-03	4.48e-04	-0.24	4.44e-04	-4.33e-06	-9.23e-06
45	29	-0.03	0.02	-0.18	2.82e-04	-4.11e-05	-3.93e-05
45	49	-0.02	0.04	-0.14	-4.15e-05	-1.43e-05	-6.09e-05
45	54	5.26e-03	-0.03	-0.22	6.55e-04	-1.55e-05	4.70e-05
45	61	-0.02	0.02	-0.18	2.85e-04	-2.35e-05	-2.72e-05
45	81	-0.02	0.04	-0.15	8.38e-05	-7.39e-06	-4.67e-05
45	86	5.33e-03	-0.03	-0.20	5.61e-04	-1.14e-05	3.27e-05
45	87	-1.65e-03	3.80e-04	-0.17	3.03e-04	-2.66e-06	-6.19e-06
45	88	-1.64e-03	3.76e-04	-0.17	3.10e-04	-3.01e-06	-6.36e-06
45	89	-1.65e-03	3.80e-04	-0.17	3.03e-04	-2.66e-06	-6.19e-06
45	93	-1.77e-03	3.63e-04	-0.18	3.17e-04	-2.37e-06	-6.50e-06
45	95	-1.74e-03	3.52e-04	-0.18	3.33e-04	-3.18e-06	-6.90e-06
45	100	-1.65e-03	3.80e-04	-0.17	3.03e-04	-2.66e-06	-6.19e-06
45	101	-1.63e-03	3.73e-04	-0.18	3.14e-04	-3.24e-06	-6.48e-06
45	102	-1.68e-03	3.77e-04	-0.17	3.05e-04	-2.60e-06	-6.25e-06
45	105	-1.65e-03	3.80e-04	-0.17	3.03e-04	-2.66e-06	-6.19e-06
45	106	-1.64e-03	3.76e-04	-0.17	3.10e-04	-3.01e-06	-6.36e-06
46	1	-2.14e-03	5.67e-04	-0.22	4.71e-04	0.0	-2.80e-06
46	9	-2.32e-03	5.45e-04	-0.23	4.97e-04	1.10e-06	-2.97e-06
46	11	-2.24e-03	5.30e-04	-0.24	5.25e-04	0.0	-3.09e-06
46	29	-0.03	0.02	-0.18	3.39e-04	-3.77e-05	-3.10e-05
46	49	-0.02	0.03	-0.14	3.36e-05	-8.23e-06	-4.89e-05
46	54	4.60e-03	-0.03	-0.22	6.82e-04	-1.59e-05	4.25e-05
46	61	-0.02	0.02	-0.18	3.42e-04	-2.05e-05	-2.06e-05
46	81	-0.02	0.03	-0.15	1.52e-04	-3.49e-06	-3.76e-05
46	86	4.90e-03	-0.03	-0.20	6.04e-04	-9.64e-06	3.21e-05
46	87	-1.64e-03	4.39e-04	-0.17	3.58e-04	0.0	-2.13e-06
46	88	-1.62e-03	4.35e-04	-0.17	3.66e-04	0.0	-2.17e-06
46	89	-1.64e-03	4.39e-04	-0.17	3.58e-04	0.0	-2.13e-06
46	93	-1.76e-03	4.25e-04	-0.18	3.75e-04	0.0	-2.24e-06
46	95	-1.70e-03	4.14e-04	-0.18	3.94e-04	0.0	-2.32e-06
46	100	-1.64e-03	4.39e-04	-0.17	3.58e-04	0.0	-2.13e-06
46	101	-1.60e-03	4.32e-04	-0.18	3.71e-04	0.0	-2.19e-06
46	102	-1.67e-03	4.36e-04	-0.17	3.61e-04	0.0	-2.15e-06
46	105	-1.64e-03	4.39e-04	-0.17	3.58e-04	0.0	-2.13e-06
46	106	-1.62e-03	4.35e-04	-0.17	3.66e-04	0.0	-2.17e-06
47	1	-1.96e-03	5.99e-04	-0.22	4.42e-04	-2.38e-06	-3.06e-06
47	9	-2.12e-03	5.79e-04	-0.23	4.67e-04	-2.17e-06	-3.23e-06
47	11	-2.00e-03	5.68e-04	-0.24	4.93e-04	-4.16e-06	-3.29e-06
47	29	-0.03	0.02	-0.18	3.10e-04	-4.52e-05	-3.08e-05
47	49	-0.02	0.03	-0.14	7.58e-06	-2.61e-05	-4.80e-05
47	54	3.90e-03	-0.02	-0.22	6.52e-04	-2.19e-06	4.10e-05
47	61	-0.02	0.01	-0.17	3.16e-04	-2.59e-05	-2.04e-05
47	81	-0.02	0.03	-0.15	1.26e-04	-1.55e-05	-3.67e-05

47	86	4.50e-03	-0.03	-0.20	5.82e-04	-2.03e-06	3.09e-05
47	87	-1.51e-03	4.64e-04	-0.17	3.36e-04	-1.67e-06	-2.33e-06
47	88	-1.48e-03	4.60e-04	-0.17	3.43e-04	-2.24e-06	-2.35e-06
47	89	-1.51e-03	4.64e-04	-0.17	3.36e-04	-1.67e-06	-2.33e-06
47	93	-1.61e-03	4.50e-04	-0.18	3.52e-04	-1.53e-06	-2.45e-06
47	95	-1.53e-03	4.42e-04	-0.18	3.70e-04	-2.86e-06	-2.49e-06
47	100	-1.51e-03	4.64e-04	-0.17	3.36e-04	-1.67e-06	-2.33e-06
47	101	-1.45e-03	4.58e-04	-0.18	3.48e-04	-2.62e-06	-2.36e-06
47	102	-1.53e-03	4.61e-04	-0.17	3.39e-04	-1.65e-06	-2.36e-06
47	105	-1.51e-03	4.64e-04	-0.17	3.36e-04	-1.67e-06	-2.33e-06
47	106	-1.48e-03	4.60e-04	-0.17	3.43e-04	-2.24e-06	-2.35e-06
48	1	-1.69e-03	7.16e-04	-0.22	5.09e-04	-3.75e-06	0.0
48	9	-1.81e-03	7.06e-04	-0.23	5.37e-04	-3.80e-06	0.0
48	11	-1.65e-03	7.05e-04	-0.24	5.67e-04	-5.99e-06	0.0
48	29	-0.03	0.02	-0.17	3.59e-04	-4.49e-05	-2.56e-05
48	49	-0.02	0.02	-0.13	6.71e-05	-2.87e-05	-3.99e-05
48	50	2.86e-03	-0.01	-0.22	7.00e-04	0.0	3.10e-05
48	61	-0.02	0.01	-0.17	3.66e-04	-2.64e-05	-1.65e-05
48	81	-0.01	0.03	-0.15	1.84e-04	-1.81e-05	-3.09e-05
48	82	3.94e-03	-0.02	-0.20	6.28e-04	0.0	2.58e-05
48	87	-1.31e-03	5.52e-04	-0.17	3.87e-04	-2.69e-06	0.0
48	88	-1.26e-03	5.52e-04	-0.17	3.95e-04	-3.32e-06	0.0
48	89	-1.31e-03	5.52e-04	-0.17	3.87e-04	-2.69e-06	0.0
48	93	-1.39e-03	5.45e-04	-0.18	4.05e-04	-2.72e-06	0.0
48	95	-1.28e-03	5.45e-04	-0.18	4.25e-04	-4.18e-06	0.0
48	100	-1.31e-03	5.52e-04	-0.17	3.87e-04	-2.69e-06	0.0
48	101	-1.23e-03	5.52e-04	-0.18	4.01e-04	-3.73e-06	0.0
48	102	-1.32e-03	5.50e-04	-0.17	3.90e-04	-2.70e-06	0.0
48	105	-1.31e-03	5.52e-04	-0.17	3.87e-04	-2.69e-06	0.0
48	106	-1.26e-03	5.52e-04	-0.17	3.95e-04	-3.32e-06	0.0
49	3	-1.19e-03	8.05e-04	-0.24	5.50e-04	-9.57e-06	1.66e-06
49	9	-1.57e-03	7.92e-04	-0.23	5.37e-04	-6.18e-06	1.55e-06
49	11	-1.37e-03	7.98e-04	-0.24	5.65e-04	-8.80e-06	1.70e-06
49	29	-0.03	0.01	-0.17	3.53e-04	-4.86e-05	-2.23e-05
49	49	-0.02	0.02	-0.13	6.55e-05	-4.23e-05	-3.44e-05
49	50	1.94e-03	-0.01	-0.22	6.97e-04	1.14e-05	2.82e-05
49	61	-0.02	0.01	-0.17	3.63e-04	-2.94e-05	-1.40e-05
49	81	-0.01	0.02	-0.15	1.84e-04	-2.73e-05	-2.68e-05
49	82	3.42e-03	-0.02	-0.20	6.27e-04	5.64e-06	2.47e-05
49	87	-1.15e-03	6.12e-04	-0.17	3.86e-04	-4.22e-06	1.09e-06
49	88	-1.09e-03	6.14e-04	-0.17	3.95e-04	-4.97e-06	1.13e-06
49	91	-9.58e-04	6.18e-04	-0.18	4.14e-04	-6.71e-06	1.23e-06
49	93	-1.21e-03	6.09e-04	-0.18	4.05e-04	-4.46e-06	1.16e-06
49	95	-1.07e-03	6.14e-04	-0.18	4.24e-04	-6.21e-06	1.26e-06
49	101	-1.05e-03	6.15e-04	-0.17	4.00e-04	-5.47e-06	1.16e-06
49	102	-1.16e-03	6.11e-04	-0.17	3.90e-04	-4.27e-06	1.10e-06
49	105	-1.15e-03	6.12e-04	-0.17	3.86e-04	-4.22e-06	1.09e-06
49	106	-1.09e-03	6.14e-04	-0.17	3.95e-04	-4.97e-06	1.13e-06
50	3	-8.87e-04	8.24e-04	-0.24	4.91e-04	-1.10e-05	0.0
50	9	-1.29e-03	8.14e-04	-0.23	4.80e-04	-7.32e-06	0.0
50	11	-1.05e-03	8.21e-04	-0.24	5.06e-04	-1.03e-05	0.0
50	29	-0.03	0.01	-0.17	1.84e-04	-5.21e-05	-2.25e-05
50	49	-0.02	0.01	-0.13	-2.08e-05	-5.05e-05	-3.27e-05
50	50	1.11e-03	-8.43e-03	-0.22	6.20e-04	1.80e-05	2.32e-05
50	61	-0.02	0.01	-0.17	2.50e-04	-3.21e-05	-1.48e-05
50	81	-0.01	0.02	-0.14	1.16e-04	-3.35e-05	-2.64e-05
50	82	2.97e-03	-0.02	-0.20	5.69e-04	1.02e-05	2.11e-05
50	87	-9.70e-04	6.26e-04	-0.17	3.45e-04	-4.83e-06	0.0
50	88	-8.99e-04	6.28e-04	-0.17	3.53e-04	-5.69e-06	0.0
50	91	-7.36e-04	6.32e-04	-0.18	3.70e-04	-7.71e-06	0.0
50	93	-1.01e-03	6.26e-04	-0.18	3.62e-04	-5.25e-06	0.0
50	95	-8.42e-04	6.30e-04	-0.18	3.79e-04	-7.26e-06	0.0
50	101	-8.53e-04	6.29e-04	-0.17	3.57e-04	-6.27e-06	0.0
50	102	-9.77e-04	6.26e-04	-0.17	3.49e-04	-4.91e-06	0.0
50	105	-9.70e-04	6.26e-04	-0.17	3.45e-04	-4.83e-06	0.0
50	106	-8.99e-04	6.28e-04	-0.17	3.53e-04	-5.69e-06	0.0
51	4	1.07e-03	-2.47e-03	-0.24	-6.79e-05	-5.48e-05	0.0
51	11	8.59e-04	-2.45e-03	-0.24	-6.79e-05	-5.34e-05	0.0
51	31	0.03	-2.22e-03	-0.22	-1.24e-04	6.67e-06	0.0
51	44	2.77e-03	-4.91e-03	-0.12	1.33e-04	-6.33e-05	0.0
51	47	0.01	-1.69e-04	-0.28	-3.34e-04	3.56e-05	0.0
51	63	0.02	2.75e-04	-0.20	-9.74e-05	-1.07e-05	0.0
51	76	-1.01e-03	-0.01	-0.14	7.31e-05	-5.57e-05	0.0
51	79	9.35e-03	6.47e-03	-0.24	-2.32e-04	7.40e-06	0.0
51	88	2.29e-04	-1.65e-03	-0.18	-4.73e-05	-3.37e-05	0.0
51	92	6.69e-04	-1.83e-03	-0.18	-5.10e-05	-3.99e-05	0.0
51	95	5.27e-04	-1.82e-03	-0.18	-5.09e-05	-3.90e-05	0.0
51	101	3.46e-04	-1.69e-03	-0.18	-4.81e-05	-3.52e-05	0.0
51	106	2.29e-04	-1.65e-03	-0.18	-4.73e-05	-3.37e-05	0.0
52	9	-8.51e-04	9.85e-04	-0.23	5.45e-04	-1.05e-05	1.69e-06

52	11	-4.91e-04	9.95e-04	-0.24	5.72e-04	-1.46e-05	1.84e-06
52	29	-0.03	7.24e-03	-0.14	2.34e-04	-5.50e-05	-1.65e-05
52	48	0.01	-6.89e-03	-0.23	7.08e-04	5.38e-05	2.38e-05
52	49	-0.02	8.88e-03	-0.11	2.92e-05	-6.84e-05	-2.18e-05
52	61	-0.02	7.50e-03	-0.15	3.01e-04	-3.53e-05	-1.05e-05
52	80	0.01	-0.01	-0.21	6.34e-04	3.01e-05	2.14e-05
52	81	-0.01	0.02	-0.13	1.68e-04	-4.61e-05	-1.89e-05
52	87	-6.79e-04	7.44e-04	-0.17	3.93e-04	-6.84e-06	1.18e-06
52	88	-5.76e-04	7.46e-04	-0.17	4.01e-04	-8.01e-06	1.23e-06
52	93	-6.85e-04	7.54e-04	-0.17	4.12e-04	-7.54e-06	1.26e-06
52	95	-4.45e-04	7.61e-04	-0.18	4.30e-04	-1.03e-05	1.36e-06
52	101	-5.07e-04	7.48e-04	-0.17	4.06e-04	-8.80e-06	1.25e-06
52	102	-6.80e-04	7.46e-04	-0.17	3.97e-04	-6.98e-06	1.20e-06
52	104	-5.77e-04	7.49e-04	-0.17	4.05e-04	-8.15e-06	1.24e-06
52	105	-6.79e-04	7.44e-04	-0.17	3.93e-04	-6.84e-06	1.18e-06
52	106	-5.76e-04	7.46e-04	-0.17	4.01e-04	-8.01e-06	1.23e-06
53	1	-6.99e-04	1.00e-03	-0.22	4.81e-04	-9.12e-06	6.02e-06
53	11	-2.73e-04	1.03e-03	-0.24	5.32e-04	-1.48e-05	6.82e-06
53	29	-0.03	5.55e-03	-0.14	2.04e-04	-6.05e-05	-1.01e-05
53	48	0.01	-4.79e-03	-0.24	6.86e-04	6.96e-05	2.06e-05
53	49	-0.01	6.81e-03	-0.10	-1.47e-06	-8.37e-05	-1.26e-05
53	61	-0.02	6.36e-03	-0.15	2.72e-04	-3.85e-05	-5.39e-06
53	80	9.56e-03	-0.01	-0.21	6.08e-04	3.98e-05	2.14e-05
53	81	-0.01	0.01	-0.13	1.39e-04	-5.56e-05	-1.20e-05
53	87	-5.75e-04	7.66e-04	-0.17	3.66e-04	-6.52e-06	4.57e-06
53	88	-4.54e-04	7.70e-04	-0.17	3.73e-04	-7.89e-06	4.69e-06
53	89	-5.75e-04	7.66e-04	-0.17	3.66e-04	-6.52e-06	4.57e-06
53	95	-2.91e-04	7.87e-04	-0.18	4.00e-04	-1.03e-05	5.10e-06
53	100	-5.75e-04	7.66e-04	-0.17	3.66e-04	-6.52e-06	4.57e-06
53	101	-3.74e-04	7.72e-04	-0.17	3.78e-04	-8.79e-06	4.77e-06
53	104	-4.54e-04	7.72e-04	-0.17	3.77e-04	-8.01e-06	4.74e-06
53	105	-5.75e-04	7.66e-04	-0.17	3.66e-04	-6.52e-06	4.57e-06
53	106	-4.54e-04	7.70e-04	-0.17	3.73e-04	-7.89e-06	4.69e-06
54	5	-4.36e-04	7.97e-04	-0.16	2.68e-04	-4.37e-06	1.15e-05
54	11	8.86e-05	1.10e-03	-0.24	3.96e-04	-1.31e-05	1.74e-05
54	28	0.03	2.08e-03	-0.21	4.27e-04	4.63e-05	2.55e-05
54	47	1.85e-03	5.20e-03	-0.10	-5.68e-05	-5.94e-05	2.11e-06
54	48	0.01	-1.76e-03	-0.24	5.92e-04	6.82e-05	2.50e-05
54	61	-0.02	2.91e-03	-0.15	1.77e-04	-3.72e-05	1.80e-06
54	79	-1.49e-03	0.01	-0.13	6.52e-05	-4.27e-05	0.0
54	80	9.23e-03	-9.93e-03	-0.22	5.10e-04	4.07e-05	2.82e-05
54	87	-3.77e-04	8.02e-04	-0.17	2.72e-04	-5.03e-06	1.17e-05
54	88	-2.38e-04	8.08e-04	-0.17	2.78e-04	-6.44e-06	1.20e-05
54	89	-3.77e-04	8.02e-04	-0.17	2.72e-04	-5.03e-06	1.17e-05
54	95	-3.04e-05	8.34e-04	-0.18	2.98e-04	-8.99e-06	1.30e-05
54	100	-3.77e-04	8.02e-04	-0.17	2.72e-04	-5.03e-06	1.17e-05
54	101	-1.45e-04	8.13e-04	-0.17	2.81e-04	-7.38e-06	1.22e-05
54	105	-3.77e-04	8.02e-04	-0.17	2.72e-04	-5.03e-06	1.17e-05
54	106	-2.38e-04	8.08e-04	-0.17	2.78e-04	-6.44e-06	1.20e-05
55	1	3.21e-04	1.22e-03	-0.22	2.24e-04	-7.04e-06	0.0
55	11	6.95e-05	1.37e-03	-0.23	2.86e-04	-6.36e-06	0.0
55	28	0.03	-6.60e-03	-0.18	2.12e-04	-1.07e-04	0.0
55	47	-8.23e-03	0.03	-0.16	9.19e-05	8.01e-05	0.0
55	52	0.02	-0.03	-0.18	2.55e-04	-1.33e-04	0.0
55	60	0.02	-5.18e-03	-0.17	1.93e-04	-6.33e-05	0.0
55	79	-8.11e-03	0.03	-0.16	1.23e-04	4.71e-05	0.0
55	80	0.02	-0.02	-0.18	2.19e-04	-8.20e-05	0.0
55	87	2.69e-04	9.25e-04	-0.17	1.68e-04	-5.45e-06	0.0
55	88	1.98e-04	9.47e-04	-0.17	1.68e-04	-6.11e-06	0.0
55	89	2.69e-04	9.25e-04	-0.17	1.68e-04	-5.45e-06	0.0
55	95	1.01e-04	1.03e-03	-0.18	2.09e-04	-4.99e-06	0.0
55	100	2.69e-04	9.25e-04	-0.17	1.68e-04	-5.45e-06	0.0
55	101	1.51e-04	9.61e-04	-0.17	1.68e-04	-6.55e-06	0.0
55	104	1.98e-04	9.57e-04	-0.17	1.76e-04	-5.71e-06	0.0
55	105	2.69e-04	9.25e-04	-0.17	1.68e-04	-5.45e-06	0.0
55	106	1.98e-04	9.47e-04	-0.17	1.68e-04	-6.11e-06	0.0
56	9	3.55e-04	1.11e-03	-0.25	3.62e-04	2.17e-04	0.0
56	11	1.12e-04	1.17e-03	-0.25	3.62e-04	2.16e-04	0.0
56	28	0.03	-6.39e-03	-0.18	2.25e-04	1.06e-04	0.0
56	46	1.09e-04	-0.02	-0.18	2.78e-04	1.23e-04	0.0
56	53	-0.02	0.03	-0.17	1.64e-04	1.80e-04	0.0
56	60	0.02	-4.83e-03	-0.18	2.22e-04	1.20e-04	0.0
56	78	3.46e-03	-0.02	-0.18	2.52e-04	1.28e-04	0.0
56	85	-0.02	0.02	-0.17	1.86e-04	1.63e-04	0.0
56	87	2.94e-04	7.87e-04	-0.18	2.16e-04	1.38e-04	0.0
56	88	2.25e-04	8.05e-04	-0.18	2.16e-04	1.38e-04	0.0
56	93	2.94e-04	8.33e-04	-0.19	2.65e-04	1.61e-04	0.0
56	95	1.33e-04	8.75e-04	-0.19	2.65e-04	1.60e-04	0.0
56	101	1.79e-04	8.17e-04	-0.18	2.16e-04	1.38e-04	0.0
56	102	2.94e-04	7.96e-04	-0.18	2.25e-04	1.43e-04	0.0

56	105	2.94e-04	7.87e-04	-0.18	2.16e-04	1.38e-04	0.0
56	106	2.25e-04	8.05e-04	-0.18	2.16e-04	1.38e-04	0.0
57	9	3.60e-04	9.46e-04	-0.26	3.80e-04	-4.80e-05	0.0
57	11	1.19e-04	1.00e-03	-0.26	3.80e-04	-4.86e-05	0.0
57	28	0.03	-6.15e-03	-0.19	2.59e-04	7.93e-05	0.0
57	44	0.01	-0.02	-0.19	2.93e-04	-3.41e-05	0.0
57	53	-0.02	0.03	-0.18	1.70e-04	-5.19e-05	0.0
57	60	0.02	-4.55e-03	-0.19	2.45e-04	2.97e-05	0.0
57	76	0.01	-0.02	-0.19	2.66e-04	-3.26e-05	0.0
57	85	-0.02	0.02	-0.18	1.94e-04	-4.28e-05	0.0
57	87	2.97e-04	6.73e-04	-0.18	2.28e-04	-3.10e-05	0.0
57	88	2.29e-04	6.89e-04	-0.18	2.27e-04	-3.12e-05	0.0
57	93	2.98e-04	7.12e-04	-0.20	2.79e-04	-3.56e-05	0.0
57	95	1.38e-04	7.48e-04	-0.20	2.79e-04	-3.60e-05	0.0
57	101	1.83e-04	6.99e-04	-0.18	2.27e-04	-3.13e-05	0.0
57	102	2.97e-04	6.81e-04	-0.19	2.38e-04	-3.19e-05	0.0
57	105	2.97e-04	6.73e-04	-0.18	2.28e-04	-3.10e-05	0.0
57	106	2.29e-04	6.89e-04	-0.18	2.27e-04	-3.12e-05	0.0
58	9	4.13e-04	6.41e-04	-0.22	2.42e-04	-2.71e-04	0.0
58	11	1.78e-04	6.77e-04	-0.22	2.42e-04	-2.70e-04	0.0
58	28	0.03	-4.30e-03	-0.17	1.73e-04	-2.63e-04	0.0
58	36	0.03	-7.21e-03	-0.17	1.73e-04	-2.64e-04	0.0
58	45	-0.01	0.02	-0.16	1.01e-04	-1.38e-04	0.0
58	60	0.02	-3.26e-03	-0.16	1.58e-04	-2.23e-04	0.0
58	68	0.02	-4.82e-03	-0.16	1.58e-04	-2.24e-04	0.0
58	77	-0.01	0.02	-0.16	1.17e-04	-1.54e-04	0.0
58	87	3.30e-04	4.57e-04	-0.16	1.38e-04	-1.75e-04	0.0
58	88	2.63e-04	4.67e-04	-0.16	1.38e-04	-1.74e-04	0.0
58	93	3.37e-04	4.83e-04	-0.17	1.76e-04	-2.01e-04	0.0
58	95	1.80e-04	5.07e-04	-0.17	1.76e-04	-2.00e-04	0.0
58	101	2.18e-04	4.74e-04	-0.16	1.38e-04	-1.74e-04	0.0
58	102	3.31e-04	4.62e-04	-0.16	1.46e-04	-1.80e-04	0.0
58	105	3.30e-04	4.57e-04	-0.16	1.38e-04	-1.75e-04	0.0
58	106	2.63e-04	4.67e-04	-0.16	1.38e-04	-1.74e-04	0.0
59	9	4.52e-04	4.16e-04	-0.21	2.04e-04	1.48e-04	0.0
59	11	2.20e-04	4.39e-04	-0.21	2.04e-04	1.49e-04	0.0
59	34	-0.02	-4.49e-03	-0.16	1.44e-04	2.15e-04	0.0
59	36	0.03	-6.61e-03	-0.15	9.91e-05	-5.99e-06	0.0
59	39	1.95e-03	0.02	-0.15	7.14e-05	2.30e-05	0.0
59	66	-0.01	-3.08e-03	-0.16	1.30e-04	1.62e-04	0.0
59	68	0.02	-4.31e-03	-0.15	1.06e-04	3.99e-05	0.0
59	71	-1.85e-03	0.02	-0.15	8.99e-05	5.66e-05	0.0
59	87	3.54e-04	2.97e-04	-0.15	1.13e-04	9.60e-05	0.0
59	88	2.88e-04	3.03e-04	-0.15	1.13e-04	9.63e-05	0.0
59	93	3.65e-04	3.13e-04	-0.16	1.48e-04	1.10e-04	0.0
59	95	2.10e-04	3.29e-04	-0.16	1.48e-04	1.11e-04	0.0
59	101	2.43e-04	3.08e-04	-0.15	1.13e-04	9.64e-05	0.0
59	102	3.56e-04	3.00e-04	-0.15	1.20e-04	9.89e-05	0.0
59	105	3.54e-04	2.97e-04	-0.15	1.13e-04	9.60e-05	0.0
59	106	2.88e-04	3.03e-04	-0.15	1.13e-04	9.63e-05	0.0
60	4	-7.27e-03	-3.23e-03	-0.26	-2.31e-05	1.49e-05	-1.11e-05
60	11	-6.77e-03	-3.24e-03	-0.27	-4.12e-05	1.54e-05	-1.12e-05
60	34	-0.28	-0.08	-0.19	2.56e-04	2.10e-05	-3.38e-05
60	42	-0.15	-0.44	-0.19	1.39e-03	7.64e-05	-2.39e-04
60	46	-0.15	-0.41	-0.19	1.29e-03	7.79e-05	-2.08e-04
60	66	-0.16	-0.05	-0.19	1.43e-04	1.66e-05	-1.76e-05
60	74	-0.08	-0.25	-0.19	7.74e-04	4.70e-05	-1.20e-04
60	78	-0.08	-0.23	-0.19	7.16e-04	4.78e-05	-1.03e-04
60	88	-3.83e-03	-2.22e-03	-0.19	-1.46e-06	1.11e-05	-7.73e-06
60	92	-5.13e-03	-2.41e-03	-0.19	-1.32e-05	1.14e-05	-8.35e-06
60	95	-4.79e-03	-2.42e-03	-0.20	-2.53e-05	1.17e-05	-8.40e-06
60	101	-4.16e-03	-2.26e-03	-0.19	-1.38e-06	1.11e-05	-7.85e-06
60	104	-3.89e-03	-2.25e-03	-0.19	-6.26e-06	1.13e-05	-7.82e-06
60	106	-3.83e-03	-2.22e-03	-0.19	-1.46e-06	1.11e-05	-7.73e-06
61	4	-7.26e-03	-4.07e-03	-0.27	5.71e-06	3.80e-04	-1.11e-05
61	9	-5.05e-03	-3.86e-03	-0.28	-8.34e-06	4.13e-04	-1.05e-05
61	11	-6.76e-03	-4.09e-03	-0.28	-7.74e-06	4.12e-04	-1.11e-05
61	34	-0.28	-0.08	-0.20	2.76e-04	1.45e-04	-3.34e-05
61	40	8.14e-03	-0.41	-0.21	1.32e-03	4.27e-04	-1.97e-04
61	42	-0.15	-0.46	-0.21	1.45e-03	3.34e-04	-2.36e-04
61	66	-0.16	-0.05	-0.20	1.61e-04	1.98e-04	-1.74e-05
61	72	7.43e-03	-0.23	-0.20	7.40e-04	3.55e-04	-9.77e-05
61	74	-0.08	-0.25	-0.20	8.14e-04	3.04e-04	-1.19e-04
61	87	-3.34e-03	-2.74e-03	-0.20	1.59e-05	2.64e-04	-7.51e-06
61	88	-3.82e-03	-2.80e-03	-0.20	1.61e-05	2.63e-04	-7.68e-06
61	92	-5.12e-03	-3.04e-03	-0.20	7.69e-06	2.84e-04	-8.29e-06
61	93	-3.65e-03	-2.90e-03	-0.21	-1.68e-06	3.06e-04	-7.94e-06
61	95	-4.79e-03	-3.06e-03	-0.21	-1.28e-06	3.05e-04	-8.34e-06
61	101	-4.15e-03	-2.85e-03	-0.20	1.62e-05	2.63e-04	-7.79e-06
61	102	-3.40e-03	-2.77e-03	-0.20	1.24e-05	2.72e-04	-7.59e-06

61	105	-3.34e-03	-2.74e-03	-0.20	1.59e-05	2.64e-04	-7.51e-06
61	106	-3.82e-03	-2.80e-03	-0.20	1.61e-05	2.63e-04	-7.68e-06
62	4	-7.29e-03	-5.42e-03	-0.36	-2.75e-05	7.49e-04	-1.12e-05
62	9	-5.09e-03	-5.14e-03	-0.38	-4.55e-05	8.08e-04	-1.07e-05
62	11	-6.80e-03	-5.45e-03	-0.38	-4.48e-05	8.09e-04	-1.12e-05
62	34	-0.28	-0.09	-0.27	2.51e-04	7.06e-04	-3.33e-05
62	40	8.51e-03	-0.43	-0.31	1.31e-03	8.46e-04	-1.96e-04
62	42	-0.15	-0.48	-0.30	1.45e-03	9.03e-04	-2.35e-04
62	66	-0.16	-0.05	-0.26	1.36e-04	6.22e-04	-1.73e-05
62	72	7.62e-03	-0.24	-0.29	7.21e-04	6.98e-04	-9.73e-05
62	74	-0.08	-0.27	-0.28	8.00e-04	7.29e-04	-1.19e-04
62	87	-3.36e-03	-3.65e-03	-0.26	-6.35e-06	5.20e-04	-7.57e-06
62	88	-3.84e-03	-3.74e-03	-0.26	-6.13e-06	5.20e-04	-7.74e-06
62	92	-5.15e-03	-4.05e-03	-0.27	-1.69e-05	5.60e-04	-8.36e-06
62	93	-3.68e-03	-3.87e-03	-0.29	-2.89e-05	6.00e-04	-8.02e-06
62	95	-4.82e-03	-4.07e-03	-0.29	-2.84e-05	6.00e-04	-8.42e-06
62	101	-4.17e-03	-3.80e-03	-0.26	-5.98e-06	5.20e-04	-7.85e-06
62	102	-3.42e-03	-3.69e-03	-0.27	-1.09e-05	5.36e-04	-7.66e-06
62	105	-3.36e-03	-3.65e-03	-0.26	-6.35e-06	5.20e-04	-7.57e-06
62	106	-3.84e-03	-3.74e-03	-0.26	-6.13e-06	5.20e-04	-7.74e-06
63	4	-7.36e-03	-6.55e-03	-0.41	-3.25e-05	8.62e-05	-1.12e-05
63	11	-6.87e-03	-6.59e-03	-0.43	-4.86e-05	8.66e-05	-1.13e-05
63	34	-0.28	-0.09	-0.31	2.43e-04	2.78e-04	-3.29e-05
63	42	-0.14	-0.50	-0.38	1.45e-03	4.82e-04	-2.33e-04
63	66	-0.16	-0.05	-0.30	1.29e-04	1.82e-04	-1.71e-05
63	74	-0.08	-0.28	-0.34	7.94e-04	2.92e-04	-1.17e-04
63	88	-3.89e-03	-4.53e-03	-0.29	-1.11e-05	6.49e-05	-7.76e-06
63	92	-5.19e-03	-4.90e-03	-0.31	-2.11e-05	6.59e-05	-8.38e-06
63	95	-4.87e-03	-4.93e-03	-0.32	-3.18e-05	6.62e-05	-8.43e-06
63	101	-4.21e-03	-4.60e-03	-0.29	-1.10e-05	6.50e-05	-7.87e-06
63	104	-3.95e-03	-4.58e-03	-0.30	-1.53e-05	6.51e-05	-7.85e-06
63	106	-3.89e-03	-4.53e-03	-0.29	-1.11e-05	6.49e-05	-7.76e-06
64	4	-7.41e-03	-7.86e-03	-0.37	-5.02e-06	-7.91e-04	-1.33e-05
64	11	-6.94e-03	-7.92e-03	-0.39	-1.47e-05	-8.67e-04	-1.35e-05
64	34	-0.28	-0.09	-0.32	2.59e-04	-4.97e-04	-3.26e-05
64	42	-0.14	-0.52	-0.39	1.49e-03	-2.24e-04	-2.24e-04
64	66	-0.16	-0.05	-0.29	1.44e-04	-5.16e-04	-1.76e-05
64	74	-0.08	-0.29	-0.33	8.21e-04	-3.94e-04	-1.13e-04
64	88	-3.92e-03	-5.43e-03	-0.27	3.98e-06	-5.38e-04	-9.22e-06
64	92	-5.23e-03	-5.88e-03	-0.28	-1.64e-06	-5.89e-04	-9.93e-06
64	95	-4.92e-03	-5.92e-03	-0.29	-8.11e-06	-6.39e-04	-1.01e-05
64	101	-4.25e-03	-5.52e-03	-0.27	4.15e-06	-5.38e-04	-9.33e-06
64	104	-3.99e-03	-5.50e-03	-0.27	1.50e-06	-5.58e-04	-9.35e-06
64	106	-3.92e-03	-5.43e-03	-0.27	3.98e-06	-5.38e-04	-9.22e-06
65	1	-3.36e-03	3.88e-03	0.0	0.0	0.0	0.0
65	4	-5.90e-03	4.31e-03	0.0	0.0	0.0	0.0
65	11	-5.37e-03	4.33e-03	0.0	0.0	0.0	0.0
65	23	0.26	0.12	0.0	0.0	0.0	0.0
65	34	-0.27	-0.07	0.0	0.0	0.0	0.0
65	39	0.11	0.32	0.0	0.0	0.0	0.0
65	55	0.14	0.07	0.0	0.0	0.0	0.0
65	66	-0.15	-0.04	0.0	0.0	0.0	0.0
65	71	0.06	0.19	0.0	0.0	0.0	0.0
65	87	-2.41e-03	2.95e-03	0.0	0.0	0.0	0.0
65	88	-2.89e-03	3.01e-03	0.0	0.0	0.0	0.0
65	89	-2.41e-03	2.95e-03	0.0	0.0	0.0	0.0
65	92	-4.11e-03	3.24e-03	0.0	0.0	0.0	0.0
65	95	-3.75e-03	3.25e-03	0.0	0.0	0.0	0.0
65	100	-2.41e-03	2.95e-03	0.0	0.0	0.0	0.0
65	101	-3.20e-03	3.05e-03	0.0	0.0	0.0	0.0
65	105	-2.41e-03	2.95e-03	0.0	0.0	0.0	0.0
65	106	-2.89e-03	3.01e-03	0.0	0.0	0.0	0.0
66	3	8.93e-04	-2.45e-04	-0.16	0.0	5.45e-06	0.0
66	9	1.22e-03	-2.40e-04	-0.15	0.0	6.93e-06	0.0
66	11	1.04e-03	-2.55e-04	-0.15	0.0	6.89e-06	0.0
66	34	-0.02	-4.22e-03	-0.12	-4.12e-06	3.20e-06	0.0
66	36	0.03	-5.89e-03	-0.12	-5.68e-06	5.05e-06	0.0
66	42	-4.97e-03	-0.03	-0.12	-2.14e-05	3.89e-06	0.0
66	66	-0.01	-2.43e-03	-0.12	-2.33e-06	3.61e-06	0.0
66	68	0.01	-3.42e-03	-0.12	-3.19e-06	4.62e-06	0.0
66	74	-2.41e-03	-0.01	-0.12	-1.19e-05	3.99e-06	0.0
66	87	8.97e-04	-1.69e-04	-0.12	0.0	4.12e-06	0.0
66	88	8.45e-04	-1.74e-04	-0.12	0.0	4.11e-06	0.0
66	91	7.24e-04	-1.84e-04	-0.12	0.0	4.09e-06	0.0
66	93	9.44e-04	-1.80e-04	-0.12	0.0	5.07e-06	0.0
66	95	8.23e-04	-1.90e-04	-0.12	0.0	5.05e-06	0.0
66	101	8.10e-04	-1.77e-04	-0.12	0.0	4.10e-06	0.0
66	102	9.06e-04	-1.71e-04	-0.12	0.0	4.31e-06	0.0
66	105	8.97e-04	-1.69e-04	-0.12	0.0	4.12e-06	0.0
66	106	8.45e-04	-1.74e-04	-0.12	0.0	4.11e-06	0.0

67	4	-7.55e-03	-9.57e-03	-0.24	6.60e-05	-9.59e-04	0.0
67	11	-7.09e-03	-9.66e-03	-0.25	6.97e-05	-1.05e-03	1.99e-06
67	34	-0.28	-0.10	-0.20	2.97e-04	-9.73e-04	-1.00e-04
67	40	9.05e-03	-0.49	-0.33	1.38e-03	-4.93e-04	-1.87e-04
67	42	-0.14	-0.55	-0.31	1.54e-03	-6.88e-04	-2.27e-04
67	66	-0.16	-0.05	-0.19	1.83e-04	-8.29e-04	-5.04e-05
67	72	7.83e-03	-0.27	-0.26	7.76e-04	-5.64e-04	-8.82e-05
67	74	-0.08	-0.30	-0.25	8.65e-04	-6.72e-04	-1.10e-04
67	88	-4.02e-03	-6.62e-03	-0.18	4.61e-05	-6.54e-04	0.0
67	92	-5.34e-03	-7.16e-03	-0.18	4.95e-05	-7.14e-04	0.0
67	95	-5.03e-03	-7.22e-03	-0.19	5.19e-05	-7.73e-04	1.34e-06
67	101	-4.35e-03	-6.72e-03	-0.18	4.63e-05	-6.55e-04	0.0
67	104	-4.09e-03	-6.70e-03	-0.18	4.72e-05	-6.78e-04	0.0
67	106	-4.02e-03	-6.62e-03	-0.18	4.61e-05	-6.54e-04	0.0
68	4	-5.79e-03	0.03	-0.24	-1.16e-04	3.05e-04	0.0
68	11	-5.17e-03	0.03	-0.24	-1.19e-04	3.38e-04	0.0
68	34	-0.25	-0.09	-0.24	-7.15e-05	-4.05e-04	0.0
68	37	-0.26	0.09	-0.23	-3.41e-04	-3.76e-04	0.0
68	49	-0.10	0.43	-0.20	-6.96e-04	7.52e-05	0.0
68	66	-0.14	-0.05	-0.21	-6.81e-05	-1.28e-04	0.0
68	69	-0.15	0.07	-0.21	-2.34e-04	-1.14e-04	0.0
68	81	-0.06	0.29	-0.19	-4.50e-04	1.31e-04	0.0
68	88	-2.84e-03	0.02	-0.17	-8.27e-05	2.09e-04	0.0
68	92	-4.03e-03	0.02	-0.18	-8.76e-05	2.27e-04	0.0
68	95	-3.62e-03	0.02	-0.18	-8.96e-05	2.49e-04	0.0
68	101	-3.16e-03	0.02	-0.18	-8.33e-05	2.08e-04	0.0
68	106	-2.84e-03	0.02	-0.17	-8.27e-05	2.09e-04	0.0
69	4	-6.35e-03	-9.79e-03	-0.21	-6.82e-05	-6.21e-04	0.0
69	11	-5.88e-03	-9.87e-03	-0.22	-7.12e-05	-6.77e-04	0.0
69	16	-4.30e-03	-9.20e-03	-0.22	-7.83e-05	-6.21e-04	0.0
69	32	0.24	-0.23	-0.20	1.13e-04	7.75e-05	0.0
69	34	-0.28	-0.10	-0.13	3.68e-04	-8.78e-04	0.0
69	42	-0.12	-0.56	-0.16	9.77e-04	-4.91e-04	0.0
69	64	0.13	-0.13	-0.18	3.85e-05	-1.46e-04	0.0
69	66	-0.15	-0.05	-0.14	1.79e-04	-6.72e-04	0.0
69	74	-0.07	-0.30	-0.16	5.12e-04	-4.57e-04	0.0
69	87	-2.72e-03	-6.62e-03	-0.16	-5.11e-05	-4.20e-04	0.0
69	88	-3.19e-03	-6.77e-03	-0.16	-5.09e-05	-4.21e-04	0.0
69	92	-4.44e-03	-7.33e-03	-0.16	-5.20e-05	-4.62e-04	0.0
69	95	-4.13e-03	-7.38e-03	-0.17	-5.40e-05	-4.99e-04	0.0
69	97	-3.07e-03	-6.93e-03	-0.17	-5.88e-05	-4.62e-04	0.0
69	101	-3.50e-03	-6.87e-03	-0.16	-5.07e-05	-4.22e-04	0.0
69	102	-2.78e-03	-6.70e-03	-0.16	-5.18e-05	-4.36e-04	0.0
69	105	-2.72e-03	-6.62e-03	-0.16	-5.11e-05	-4.20e-04	0.0
69	106	-3.19e-03	-6.77e-03	-0.16	-5.09e-05	-4.21e-04	0.0
70	4	-5.64e-03	0.03	-0.26	-9.43e-05	2.83e-04	-8.33e-06
70	11	-5.03e-03	0.03	-0.26	-9.64e-05	3.14e-04	-7.86e-06
70	29	-0.26	0.23	-0.22	-2.77e-04	-4.63e-04	-7.32e-05
70	37	-0.26	0.09	-0.22	-1.40e-04	-4.80e-04	5.59e-06
70	49	-0.10	0.42	-0.22	-4.90e-04	3.32e-05	-7.93e-05
70	61	-0.14	0.15	-0.21	-1.90e-04	-1.68e-04	-4.71e-05
70	69	-0.15	0.07	-0.21	-1.15e-04	-1.77e-04	-3.80e-06
70	81	-0.06	0.29	-0.20	-3.24e-04	1.03e-04	-6.12e-05
70	88	-2.73e-03	0.02	-0.18	-6.87e-05	1.94e-04	-5.87e-06
70	92	-3.92e-03	0.02	-0.19	-7.15e-05	2.11e-04	-6.27e-06
70	95	-3.51e-03	0.02	-0.19	-7.29e-05	2.32e-04	-5.96e-06
70	101	-3.05e-03	0.02	-0.19	-6.90e-05	1.93e-04	-6.02e-06
70	106	-2.73e-03	0.02	-0.18	-6.87e-05	1.94e-04	-5.87e-06
71	9	1.74e-03	-1.32e-03	-0.19	-7.90e-05	2.85e-04	0.0
71	11	1.58e-03	-1.39e-03	-0.19	-7.87e-05	2.84e-04	0.0
71	35	0.03	-8.53e-03	-0.14	-4.79e-05	2.35e-04	0.0
71	41	-2.62e-03	0.03	-0.15	-4.49e-04	2.00e-04	0.0
71	42	-8.67e-03	-0.04	-0.13	4.03e-04	1.63e-04	0.0
71	67	0.02	-6.04e-03	-0.14	-4.75e-05	2.16e-04	0.0
71	73	4.11e-04	0.01	-0.15	-2.67e-04	1.96e-04	0.0
71	74	-5.70e-03	-0.02	-0.13	1.99e-04	1.76e-04	0.0
71	87	1.25e-03	-9.30e-04	-0.14	-4.79e-05	1.92e-04	0.0
71	88	1.20e-03	-9.51e-04	-0.14	-4.78e-05	1.92e-04	0.0
71	93	1.33e-03	-9.91e-04	-0.14	-5.80e-05	2.13e-04	0.0
71	95	1.23e-03	-1.04e-03	-0.14	-5.78e-05	2.13e-04	0.0
71	101	1.18e-03	-9.65e-04	-0.14	-4.77e-05	1.92e-04	0.0
71	102	1.26e-03	-9.42e-04	-0.14	-4.99e-05	1.96e-04	0.0
71	105	1.25e-03	-9.30e-04	-0.14	-4.79e-05	1.92e-04	0.0
71	106	1.20e-03	-9.51e-04	-0.14	-4.78e-05	1.92e-04	0.0
72	4	-7.39e-03	6.41e-03	-0.26	-5.01e-05	7.17e-05	-1.18e-05
72	9	-5.11e-03	6.10e-03	-0.27	-6.66e-05	8.24e-05	-1.12e-05
72	11	-6.85e-03	6.44e-03	-0.27	-6.75e-05	8.01e-05	-1.18e-05
72	34	-0.28	-0.06	-0.19	1.84e-04	9.75e-05	-3.66e-05
72	45	-0.02	0.29	-0.18	-9.19e-04	1.16e-04	2.27e-04
72	52	0.11	-0.26	-0.20	7.78e-04	-4.64e-05	4.24e-05

72	66	-0.15	-0.04	-0.19	9.94e-05	7.45e-05	-1.93e-05
72	77	-0.02	0.17	-0.19	-5.40e-04	9.14e-05	1.06e-04
72	84	0.06	-0.16	-0.19	4.43e-04	-7.92e-06	3.42e-05
72	87	-3.42e-03	4.37e-03	-0.19	-2.09e-05	5.09e-05	-7.98e-06
72	88	-3.92e-03	4.47e-03	-0.19	-2.12e-05	5.02e-05	-8.17e-06
72	92	-5.22e-03	4.81e-03	-0.20	-3.37e-05	5.37e-05	-8.82e-06
72	93	-3.70e-03	4.60e-03	-0.20	-4.47e-05	6.08e-05	-8.42e-06
72	95	-4.86e-03	4.83e-03	-0.20	-4.53e-05	5.94e-05	-8.85e-06
72	101	-4.25e-03	4.53e-03	-0.19	-2.13e-05	4.98e-05	-8.29e-06
72	102	-3.47e-03	4.42e-03	-0.19	-2.57e-05	5.29e-05	-8.07e-06
72	105	-3.42e-03	4.37e-03	-0.19	-2.09e-05	5.09e-05	-7.98e-06
72	106	-3.92e-03	4.47e-03	-0.19	-2.12e-05	5.02e-05	-8.17e-06
73	4	-6.08e-03	-9.15e-03	-0.24	-5.75e-05	-6.10e-04	-1.57e-05
73	9	-3.96e-03	-8.70e-03	-0.24	-5.96e-05	-6.63e-04	-1.56e-05
73	11	-5.60e-03	-9.21e-03	-0.24	-5.89e-05	-6.66e-04	-1.62e-05
73	27	0.24	0.16	-0.19	-2.84e-04	7.37e-05	2.95e-05
73	34	-0.27	-0.09	-0.16	8.75e-05	-9.21e-04	-3.40e-05
73	42	-0.12	-0.55	-0.17	7.47e-04	-5.07e-04	-2.30e-04
73	59	0.13	0.08	-0.19	-1.75e-04	-1.46e-04	7.06e-06
73	66	-0.15	-0.05	-0.17	2.76e-05	-6.93e-04	-1.91e-05
73	74	-0.06	-0.30	-0.17	3.89e-04	-4.63e-04	-1.17e-04
73	87	-2.53e-03	-6.18e-03	-0.18	-4.40e-05	-4.13e-04	-1.06e-05
73	88	-3.00e-03	-6.32e-03	-0.18	-4.38e-05	-4.14e-04	-1.08e-05
73	92	-4.23e-03	-6.85e-03	-0.18	-4.41e-05	-4.54e-04	-1.17e-05
73	93	-2.82e-03	-6.55e-03	-0.19	-4.55e-05	-4.89e-04	-1.17e-05
73	95	-3.91e-03	-6.89e-03	-0.19	-4.50e-05	-4.91e-04	-1.21e-05
73	101	-3.31e-03	-6.42e-03	-0.18	-4.37e-05	-4.14e-04	-1.09e-05
73	102	-2.59e-03	-6.25e-03	-0.18	-4.43e-05	-4.28e-04	-1.08e-05
73	105	-2.53e-03	-6.18e-03	-0.18	-4.40e-05	-4.13e-04	-1.06e-05
73	106	-3.00e-03	-6.32e-03	-0.18	-4.38e-05	-4.14e-04	-1.08e-05
74	4	-4.46e-03	0.03	-0.26	-8.47e-05	2.57e-04	0.0
74	11	-3.86e-03	0.03	-0.26	-8.92e-05	2.89e-04	0.0
74	29	-0.25	0.23	-0.26	4.48e-05	-5.31e-04	0.0
74	37	-0.26	0.09	-0.25	1.89e-05	-5.47e-04	0.0
74	49	-0.09	0.43	-0.24	1.20e-04	-8.46e-05	0.0
74	61	-0.14	0.15	-0.22	-4.44e-06	-2.15e-04	0.0
74	69	-0.14	0.07	-0.22	-1.88e-05	-2.23e-04	0.0
74	81	-0.05	0.29	-0.22	3.92e-05	2.91e-05	0.0
74	88	-1.91e-03	0.02	-0.18	-6.56e-05	1.74e-04	0.0
74	92	-3.03e-03	0.02	-0.19	-6.52e-05	1.91e-04	0.0
74	95	-2.63e-03	0.02	-0.19	-6.82e-05	2.12e-04	0.0
74	101	-2.21e-03	0.02	-0.19	-6.49e-05	1.73e-04	0.0
74	106	-1.91e-03	0.02	-0.18	-6.56e-05	1.74e-04	0.0
75	4	-4.45e-03	0.03	-0.27	-7.26e-05	2.70e-04	-1.39e-05
75	11	-3.85e-03	0.03	-0.27	-7.67e-05	3.01e-04	-1.39e-05
75	29	-0.25	0.23	-0.24	2.23e-05	-4.76e-04	-8.08e-05
75	37	-0.26	0.09	-0.23	-4.67e-05	-4.93e-04	0.0
75	49	-0.09	0.42	-0.24	7.22e-05	1.46e-05	-8.84e-05
75	69	-0.14	0.07	-0.22	-5.08e-05	-1.89e-04	-8.45e-06
75	81	-0.05	0.29	-0.22	1.55e-05	8.93e-05	-6.79e-05
75	88	-1.91e-03	0.02	-0.19	-5.64e-05	1.83e-04	-9.68e-06
75	92	-3.03e-03	0.02	-0.20	-5.59e-05	2.01e-04	-1.04e-05
75	95	-2.63e-03	0.02	-0.20	-5.87e-05	2.22e-04	-1.04e-05
75	101	-2.21e-03	0.02	-0.19	-5.57e-05	1.82e-04	-9.83e-06
75	106	-1.91e-03	0.02	-0.19	-5.64e-05	1.83e-04	-9.68e-06
76	4	-4.97e-03	-9.04e-03	-0.25	-1.17e-04	-5.94e-04	-1.16e-05
76	9	-2.89e-03	-8.59e-03	-0.25	-1.20e-04	-6.47e-04	-1.12e-05
76	11	-4.47e-03	-9.09e-03	-0.25	-1.20e-04	-6.50e-04	-1.18e-05
76	34	-0.27	-0.09	-0.16	-9.63e-05	-9.10e-04	-3.37e-05
76	39	0.10	0.54	-0.22	-2.31e-05	-2.90e-04	2.21e-04
76	42	-0.10	-0.55	-0.15	-1.51e-04	-5.12e-04	-2.37e-04
76	69	-0.15	0.06	-0.18	-7.69e-05	-6.97e-04	-4.15e-06
76	71	0.05	0.29	-0.21	-5.27e-05	-3.41e-04	1.04e-04
76	74	-0.06	-0.30	-0.17	-1.22e-04	-4.61e-04	-1.20e-04
76	87	-1.78e-03	-6.11e-03	-0.19	-8.72e-05	-4.00e-04	-7.85e-06
76	88	-2.23e-03	-6.25e-03	-0.19	-8.72e-05	-4.01e-04	-8.02e-06
76	92	-3.40e-03	-6.77e-03	-0.19	-8.92e-05	-4.41e-04	-8.69e-06
76	93	-2.02e-03	-6.47e-03	-0.19	-9.11e-05	-4.77e-04	-8.38e-06
76	95	-3.07e-03	-6.80e-03	-0.19	-9.12e-05	-4.78e-04	-8.78e-06
76	101	-2.53e-03	-6.35e-03	-0.19	-8.72e-05	-4.02e-04	-8.13e-06
76	102	-1.82e-03	-6.18e-03	-0.19	-8.80e-05	-4.16e-04	-7.96e-06
76	105	-1.78e-03	-6.11e-03	-0.19	-8.72e-05	-4.00e-04	-7.85e-06
76	106	-2.23e-03	-6.25e-03	-0.19	-8.72e-05	-4.01e-04	-8.02e-06
77	9	-2.12e-03	-7.38e-05	-0.18	5.85e-04	-3.38e-04	0.0
77	11	-2.02e-03	-8.79e-05	-0.19	6.17e-04	-3.57e-04	0.0
77	29	-0.03	0.03	-0.16	4.36e-04	-3.88e-04	0.0
77	34	-0.02	-0.01	-0.16	5.47e-04	-3.19e-04	0.0
77	49	-0.02	0.04	-0.13	2.18e-04	-4.07e-04	0.0
77	61	-0.02	0.02	-0.15	4.30e-04	-3.28e-04	0.0
77	66	-0.01	-0.01	-0.15	5.03e-04	-2.89e-04	0.0

77	80	9.83e-03	-0.04	-0.14	5.67e-04	-1.58e-04	0.0
77	87	-1.52e-03	-2.18e-05	-0.13	4.24e-04	-2.45e-04	0.0
77	88	-1.49e-03	-2.58e-05	-0.14	4.33e-04	-2.50e-04	0.0
77	93	-1.61e-03	-4.83e-05	-0.14	4.42e-04	-2.56e-04	0.0
77	95	-1.55e-03	-5.77e-05	-0.14	4.63e-04	-2.68e-04	0.0
77	101	-1.47e-03	-2.85e-05	-0.14	4.39e-04	-2.54e-04	0.0
77	102	-1.54e-03	-2.71e-05	-0.13	4.28e-04	-2.47e-04	0.0
77	104	-1.51e-03	-3.11e-05	-0.14	4.37e-04	-2.52e-04	0.0
77	105	-1.52e-03	-2.18e-05	-0.13	4.24e-04	-2.45e-04	0.0
77	106	-1.49e-03	-2.58e-05	-0.14	4.33e-04	-2.50e-04	0.0
78	5	-1.49e-03	3.69e-05	-0.11	5.75e-04	-1.11e-04	0.0
78	9	-2.08e-03	-3.14e-06	-0.16	8.06e-04	-1.56e-04	0.0
78	11	-1.98e-03	-3.26e-05	-0.16	8.49e-04	-1.65e-04	0.0
78	29	-0.03	0.02	-0.13	6.32e-04	-1.53e-04	0.0
78	38	-0.02	-0.02	-0.14	7.38e-04	-1.57e-04	0.0
78	49	-0.02	0.03	-0.11	4.45e-04	-1.18e-04	0.0
78	61	-0.02	0.02	-0.12	6.13e-04	-1.37e-04	0.0
78	70	-0.01	-0.01	-0.13	6.80e-04	-1.39e-04	0.0
78	81	-0.01	0.04	-0.11	5.02e-04	-1.18e-04	0.0
78	87	-1.49e-03	2.99e-05	-0.11	5.84e-04	-1.13e-04	0.0
78	88	-1.46e-03	2.15e-05	-0.12	5.96e-04	-1.15e-04	0.0
78	89	-1.49e-03	2.99e-05	-0.11	5.84e-04	-1.13e-04	0.0
78	93	-1.59e-03	6.53e-06	-0.12	6.09e-04	-1.18e-04	0.0
78	95	-1.52e-03	-1.31e-05	-0.12	6.38e-04	-1.24e-04	0.0
78	100	-1.49e-03	2.99e-05	-0.11	5.84e-04	-1.13e-04	0.0
78	101	-1.44e-03	1.59e-05	-0.12	6.04e-04	-1.17e-04	0.0
78	102	-1.51e-03	2.52e-05	-0.11	5.89e-04	-1.14e-04	0.0
78	105	-1.49e-03	2.99e-05	-0.11	5.84e-04	-1.13e-04	0.0
78	106	-1.46e-03	2.15e-05	-0.12	5.96e-04	-1.15e-04	0.0
79	1	-1.88e-03	1.13e-04	-0.14	8.62e-04	-4.32e-05	0.0
79	9	-2.01e-03	8.21e-05	-0.15	9.05e-04	-4.50e-05	0.0
79	11	-1.89e-03	5.34e-05	-0.15	9.53e-04	-4.84e-05	0.0
79	29	-0.03	0.02	-0.12	7.02e-04	-6.20e-05	0.0
79	49	-0.02	0.03	-0.10	5.16e-04	-3.90e-05	0.0
79	54	7.84e-05	-0.03	-0.13	8.59e-04	-4.29e-05	0.0
79	61	-0.02	0.02	-0.11	6.84e-04	-4.92e-05	0.0
79	81	-0.01	0.03	-0.10	5.75e-04	-3.65e-05	0.0
79	86	1.46e-03	-0.03	-0.12	7.92e-04	-4.07e-05	0.0
79	87	-1.45e-03	9.18e-05	-0.11	6.56e-04	-3.28e-05	0.0
79	88	-1.41e-03	8.36e-05	-0.11	6.69e-04	-3.37e-05	0.0
79	89	-1.45e-03	9.18e-05	-0.11	6.56e-04	-3.28e-05	0.0
79	93	-1.54e-03	7.12e-05	-0.11	6.84e-04	-3.40e-05	0.0
79	95	-1.45e-03	5.21e-05	-0.11	7.16e-04	-3.62e-05	0.0
79	100	-1.45e-03	9.18e-05	-0.11	6.56e-04	-3.28e-05	0.0
79	101	-1.39e-03	7.81e-05	-0.11	6.78e-04	-3.44e-05	0.0
79	102	-1.46e-03	8.76e-05	-0.11	6.61e-04	-3.30e-05	0.0
79	105	-1.45e-03	9.18e-05	-0.11	6.56e-04	-3.28e-05	0.0
79	106	-1.41e-03	8.36e-05	-0.11	6.69e-04	-3.37e-05	0.0
80	1	-1.77e-03	1.84e-04	-0.14	8.87e-04	-1.51e-05	0.0
80	9	-1.90e-03	1.57e-04	-0.14	9.32e-04	-1.57e-05	0.0
80	11	-1.74e-03	1.35e-04	-0.15	9.80e-04	-1.75e-05	0.0
80	29	-0.03	0.02	-0.11	7.08e-04	-3.73e-05	0.0
80	49	-0.02	0.02	-0.09	5.29e-04	-2.47e-05	0.0
80	54	-3.76e-04	-0.02	-0.13	8.76e-04	-1.26e-05	0.0
80	61	-0.02	0.01	-0.11	6.97e-04	-2.59e-05	0.0
80	81	-0.01	0.03	-0.10	5.91e-04	-1.91e-05	0.0
80	86	1.19e-03	-0.03	-0.12	8.11e-04	-1.27e-05	0.0
80	87	-1.37e-03	1.45e-04	-0.11	6.75e-04	-1.14e-05	0.0
80	88	-1.32e-03	1.39e-04	-0.11	6.89e-04	-1.20e-05	0.0
80	89	-1.37e-03	1.45e-04	-0.11	6.75e-04	-1.14e-05	0.0
80	93	-1.45e-03	1.27e-04	-0.11	7.05e-04	-1.18e-05	0.0
80	95	-1.35e-03	1.13e-04	-0.11	7.37e-04	-1.30e-05	0.0
80	100	-1.37e-03	1.45e-04	-0.11	6.75e-04	-1.14e-05	0.0
80	101	-1.29e-03	1.35e-04	-0.11	6.98e-04	-1.23e-05	0.0
80	102	-1.38e-03	1.42e-04	-0.11	6.81e-04	-1.15e-05	0.0
80	105	-1.37e-03	1.45e-04	-0.11	6.75e-04	-1.14e-05	0.0
80	106	-1.32e-03	1.39e-04	-0.11	6.89e-04	-1.20e-05	0.0
81	1	-1.64e-03	2.66e-04	-0.14	8.91e-04	-6.48e-06	0.0
81	9	-1.75e-03	2.46e-04	-0.14	9.36e-04	-6.73e-06	0.0
81	11	-1.56e-03	2.32e-04	-0.15	9.84e-04	-8.20e-06	0.0
81	29	-0.03	0.02	-0.11	6.91e-04	-3.24e-05	0.0
81	49	-0.02	0.02	-0.09	5.15e-04	-2.91e-05	0.0
81	54	-8.68e-04	-0.02	-0.13	8.84e-04	5.77e-06	0.0
81	61	-0.02	0.01	-0.11	6.88e-04	-2.04e-05	0.0
81	81	-0.01	0.03	-0.10	5.85e-04	-1.91e-05	0.0
81	86	9.12e-04	-0.02	-0.12	8.16e-04	1.38e-06	0.0
81	87	-1.27e-03	2.08e-04	-0.10	6.77e-04	-4.84e-06	0.0
81	88	-1.22e-03	2.04e-04	-0.11	6.91e-04	-5.26e-06	0.0
81	89	-1.27e-03	2.08e-04	-0.10	6.77e-04	-4.84e-06	0.0
81	93	-1.34e-03	1.94e-04	-0.11	7.08e-04	-5.00e-06	0.0

81	95	-1.22e-03	1.85e-04	-0.11	7.39e-04	-5.98e-06	0.0
81	100	-1.27e-03	2.08e-04	-0.10	6.77e-04	-4.84e-06	0.0
81	101	-1.18e-03	2.01e-04	-0.11	7.00e-04	-5.54e-06	0.0
81	102	-1.28e-03	2.05e-04	-0.11	6.83e-04	-4.87e-06	0.0
81	105	-1.27e-03	2.08e-04	-0.10	6.77e-04	-4.84e-06	0.0
81	106	-1.22e-03	2.04e-04	-0.11	6.91e-04	-5.26e-06	0.0
82	1	-1.48e-03	3.42e-04	-0.14	8.88e-04	2.08e-06	0.0
82	9	-1.57e-03	3.28e-04	-0.14	9.33e-04	2.09e-06	0.0
82	11	-1.35e-03	3.21e-04	-0.15	9.79e-04	0.0	0.0
82	29	-0.03	0.01	-0.11	6.72e-04	-2.42e-05	0.0
82	49	-0.02	0.02	-0.09	5.01e-04	-2.25e-05	0.0
82	54	-1.40e-03	-0.01	-0.13	8.85e-04	1.38e-05	0.0
82	61	-0.02	0.01	-0.11	6.77e-04	-1.30e-05	0.0
82	81	-0.01	0.02	-0.10	5.75e-04	-1.30e-05	0.0
82	86	6.19e-04	-0.02	-0.12	8.16e-04	9.14e-06	0.0
82	87	-1.15e-03	2.65e-04	-0.10	6.75e-04	1.70e-06	0.0
82	88	-1.09e-03	2.63e-04	-0.11	6.88e-04	1.37e-06	0.0
82	89	-1.15e-03	2.65e-04	-0.10	6.75e-04	1.70e-06	0.0
82	93	-1.21e-03	2.56e-04	-0.11	7.05e-04	1.71e-06	0.0
82	95	-1.07e-03	2.51e-04	-0.11	7.36e-04	0.0	0.0
82	100	-1.15e-03	2.65e-04	-0.10	6.75e-04	1.70e-06	0.0
82	101	-1.05e-03	2.62e-04	-0.11	6.97e-04	1.15e-06	0.0
82	102	-1.16e-03	2.63e-04	-0.11	6.81e-04	1.70e-06	0.0
82	105	-1.15e-03	2.65e-04	-0.10	6.75e-04	1.70e-06	0.0
82	106	-1.09e-03	2.63e-04	-0.11	6.88e-04	1.37e-06	0.0
83	1	-1.33e-03	4.02e-04	-0.14	8.83e-04	-7.14e-06	0.0
83	9	-1.39e-03	3.95e-04	-0.14	9.27e-04	-7.78e-06	0.0
83	11	-1.14e-03	3.91e-04	-0.15	9.73e-04	-9.55e-06	0.0
83	29	-0.03	0.01	-0.10	6.58e-04	-3.28e-05	0.0
83	49	-0.01	0.01	-0.09	4.87e-04	-3.70e-05	0.0
83	50	-1.99e-03	-8.54e-03	-0.13	8.87e-04	1.44e-05	0.0
83	61	-0.02	9.61e-03	-0.10	6.67e-04	-2.13e-05	0.0
83	81	-0.01	0.02	-0.10	5.65e-04	-2.52e-05	0.0
83	82	2.98e-04	-0.02	-0.12	8.16e-04	7.24e-06	0.0
83	87	-1.04e-03	3.10e-04	-0.10	6.72e-04	-5.29e-06	0.0
83	88	-9.66e-04	3.09e-04	-0.11	6.84e-04	-5.79e-06	0.0
83	89	-1.04e-03	3.10e-04	-0.10	6.72e-04	-5.29e-06	0.0
83	93	-1.08e-03	3.06e-04	-0.11	7.01e-04	-5.71e-06	0.0
83	95	-9.15e-04	3.03e-04	-0.11	7.31e-04	-6.89e-06	0.0
83	100	-1.04e-03	3.10e-04	-0.10	6.72e-04	-5.29e-06	0.0
83	101	-9.18e-04	3.08e-04	-0.11	6.93e-04	-6.13e-06	0.0
83	102	-1.05e-03	3.09e-04	-0.10	6.77e-04	-5.37e-06	0.0
83	105	-1.04e-03	3.10e-04	-0.10	6.72e-04	-5.29e-06	0.0
83	106	-9.66e-04	3.09e-04	-0.11	6.84e-04	-5.79e-06	0.0
84	9	-1.22e-03	4.79e-04	-0.14	9.28e-04	-2.14e-05	0.0
84	11	-9.28e-04	4.76e-04	-0.15	9.72e-04	-2.40e-05	0.0
84	29	-0.03	8.54e-03	-0.09	5.77e-04	-4.51e-05	0.0
84	48	0.01	-9.56e-03	-0.13	9.11e-04	2.48e-05	0.0
84	49	-0.01	0.01	-0.08	4.42e-04	-5.59e-05	0.0
84	61	-0.02	8.24e-03	-0.10	6.22e-04	-3.28e-05	0.0
84	80	8.08e-03	-0.02	-0.12	8.30e-04	9.39e-06	0.0
84	81	-9.76e-03	0.02	-0.09	5.39e-04	-4.09e-05	0.0
84	87	-9.24e-04	3.67e-04	-0.10	6.72e-04	-1.50e-05	0.0
84	88	-8.40e-04	3.66e-04	-0.10	6.85e-04	-1.58e-05	0.0
84	93	-9.56e-04	3.68e-04	-0.11	7.02e-04	-1.60e-05	0.0
84	95	-7.61e-04	3.66e-04	-0.11	7.31e-04	-1.77e-05	0.0
84	101	-7.85e-04	3.66e-04	-0.11	6.93e-04	-1.63e-05	0.0
84	102	-9.31e-04	3.67e-04	-0.10	6.78e-04	-1.52e-05	0.0
84	105	-9.24e-04	3.67e-04	-0.10	6.72e-04	-1.50e-05	0.0
84	106	-8.40e-04	3.66e-04	-0.10	6.85e-04	-1.58e-05	0.0
85	9	-1.09e-03	5.31e-04	-0.14	9.24e-04	2.34e-06	0.0
85	11	-7.57e-04	5.29e-04	-0.14	9.66e-04	0.0	0.0
85	29	-0.03	6.81e-03	-0.09	5.61e-04	-2.90e-05	0.0
85	48	0.01	-7.21e-03	-0.13	9.31e-04	4.65e-05	0.0
85	49	-0.01	8.34e-03	-0.08	4.18e-04	-4.33e-05	0.0
85	61	-0.02	7.10e-03	-0.10	6.12e-04	-1.64e-05	0.0
85	80	7.78e-03	-0.01	-0.12	8.41e-04	3.01e-05	0.0
85	81	-9.26e-03	0.02	-0.09	5.23e-04	-2.69e-05	0.0
85	87	-8.37e-04	4.03e-04	-0.10	6.70e-04	2.18e-06	0.0
85	88	-7.42e-04	4.03e-04	-0.10	6.82e-04	1.61e-06	0.0
85	93	-8.59e-04	4.08e-04	-0.11	6.99e-04	2.02e-06	0.0
85	95	-6.39e-04	4.06e-04	-0.11	7.27e-04	0.0	0.0
85	101	-6.79e-04	4.02e-04	-0.10	6.90e-04	1.23e-06	0.0
85	102	-8.41e-04	4.04e-04	-0.10	6.76e-04	2.15e-06	0.0
85	105	-8.37e-04	4.03e-04	-0.10	6.70e-04	2.18e-06	0.0
85	106	-7.42e-04	4.03e-04	-0.10	6.82e-04	1.61e-06	0.0
86	9	-9.66e-04	5.60e-04	-0.14	8.97e-04	4.73e-05	0.0
86	11	-5.97e-04	5.60e-04	-0.15	9.36e-04	4.65e-05	0.0
86	29	-0.03	5.12e-03	-0.09	5.22e-04	-3.78e-06	0.0
86	48	0.01	-5.13e-03	-0.14	9.40e-04	8.96e-05	0.0

86	49	-0.01	6.28e-03	-0.07	3.70e-04	-2.21e-05	0.0
86	61	-0.02	5.97e-03	-0.10	5.81e-04	1.22e-05	0.0
86	80	7.47e-03	-0.01	-0.12	8.38e-04	7.06e-05	0.0
86	81	-8.77e-03	0.01	-0.09	4.85e-04	-1.27e-06	0.0
86	87	-7.58e-04	4.23e-04	-0.10	6.51e-04	3.49e-05	0.0
86	88	-6.53e-04	4.23e-04	-0.11	6.62e-04	3.47e-05	0.0
86	93	-7.72e-04	4.29e-04	-0.11	6.79e-04	3.61e-05	0.0
86	95	-5.26e-04	4.29e-04	-0.11	7.05e-04	3.56e-05	0.0
86	101	-5.82e-04	4.23e-04	-0.11	6.69e-04	3.45e-05	0.0
86	102	-7.61e-04	4.24e-04	-0.10	6.56e-04	3.51e-05	0.0
86	105	-7.58e-04	4.23e-04	-0.10	6.51e-04	3.49e-05	0.0
86	106	-6.53e-04	4.23e-04	-0.11	6.62e-04	3.47e-05	0.0
87	9	-9.29e-04	5.73e-04	-0.14	7.76e-04	1.58e-04	0.0
87	11	-5.38e-04	5.83e-04	-0.14	8.08e-04	1.61e-04	0.0
87	37	-0.03	2.89e-03	-0.09	4.35e-04	6.79e-05	0.0
87	47	3.07e-03	4.67e-03	-0.07	3.01e-04	6.76e-05	0.0
87	48	0.01	-2.20e-03	-0.14	8.72e-04	1.79e-04	0.0
87	69	-0.02	4.52e-03	-0.09	4.93e-04	8.80e-05	0.0
87	79	-1.23e-04	0.01	-0.08	4.05e-04	8.36e-05	0.0
87	80	6.93e-03	-0.01	-0.12	7.59e-04	1.60e-04	0.0
87	87	-7.36e-04	4.26e-04	-0.10	5.63e-04	1.15e-04	0.0
87	88	-6.25e-04	4.29e-04	-0.10	5.72e-04	1.16e-04	0.0
87	93	-7.46e-04	4.37e-04	-0.11	5.87e-04	1.20e-04	0.0
87	95	-4.86e-04	4.44e-04	-0.11	6.09e-04	1.22e-04	0.0
87	101	-5.50e-04	4.31e-04	-0.10	5.78e-04	1.17e-04	0.0
87	102	-7.38e-04	4.28e-04	-0.10	5.67e-04	1.16e-04	0.0
87	104	-6.27e-04	4.31e-04	-0.10	5.77e-04	1.17e-04	0.0
87	105	-7.36e-04	4.26e-04	-0.10	5.63e-04	1.15e-04	0.0
87	106	-6.25e-04	4.29e-04	-0.10	5.72e-04	1.16e-04	0.0
88	9	5.11e-04	8.66e-05	-0.26	3.82e-04	4.05e-05	0.0
88	11	2.83e-04	8.92e-05	-0.26	3.82e-04	3.97e-05	0.0
88	18	2.00e-04	9.02e-05	-0.25	3.52e-04	3.69e-05	0.0
88	36	0.03	-6.05e-03	-0.18	2.24e-04	1.44e-04	0.0
88	39	2.47e-03	0.02	-0.18	1.41e-04	4.53e-05	0.0
88	46	-1.49e-03	-0.02	-0.19	3.14e-04	3.88e-06	0.0
88	68	0.02	-3.72e-03	-0.18	2.26e-04	9.04e-05	0.0
88	71	-1.34e-03	0.01	-0.18	1.79e-04	3.48e-05	0.0
88	78	1.98e-03	-0.01	-0.19	2.76e-04	1.45e-05	0.0
88	87	3.89e-04	6.03e-05	-0.19	2.28e-04	2.50e-05	0.0
88	88	3.24e-04	6.11e-05	-0.19	2.28e-04	2.47e-05	0.0
88	93	4.08e-04	6.51e-05	-0.20	2.80e-04	2.99e-05	0.0
88	95	2.56e-04	6.68e-05	-0.20	2.80e-04	2.94e-05	0.0
88	99	2.00e-04	6.75e-05	-0.19	2.60e-04	2.75e-05	0.0
88	102	3.93e-04	6.13e-05	-0.19	2.38e-04	2.60e-05	0.0
88	104	3.28e-04	6.20e-05	-0.19	2.38e-04	2.57e-05	0.0
88	105	3.89e-04	6.03e-05	-0.19	2.28e-04	2.50e-05	0.0
88	106	3.24e-04	6.11e-05	-0.19	2.28e-04	2.47e-05	0.0
89	9	7.96e-04	-4.31e-04	-0.20	4.16e-04	5.44e-05	0.0
89	11	5.91e-04	-4.58e-04	-0.20	4.16e-04	5.43e-05	0.0
89	36	0.03	-6.13e-03	-0.15	2.45e-04	4.62e-05	0.0
89	42	-3.42e-03	-0.03	-0.15	3.14e-04	1.73e-05	0.0
89	53	-0.01	7.93e-03	-0.15	2.34e-04	3.80e-05	0.0
89	68	0.02	-3.40e-03	-0.15	2.49e-04	4.12e-05	0.0
89	74	-1.99e-04	-0.01	-0.15	2.88e-04	2.54e-05	0.0
89	85	-8.50e-03	3.86e-03	-0.15	2.44e-04	3.62e-05	0.0
89	87	5.90e-04	-3.07e-04	-0.15	2.55e-04	3.48e-05	0.0
89	88	5.31e-04	-3.15e-04	-0.15	2.55e-04	3.48e-05	0.0
89	93	6.22e-04	-3.24e-04	-0.15	3.06e-04	4.04e-05	0.0
89	95	4.85e-04	-3.42e-04	-0.15	3.06e-04	4.03e-05	0.0
89	101	4.92e-04	-3.20e-04	-0.15	2.55e-04	3.48e-05	0.0
89	102	5.96e-04	-3.11e-04	-0.15	2.65e-04	3.59e-05	0.0
89	104	5.38e-04	-3.18e-04	-0.15	2.65e-04	3.59e-05	0.0
89	105	5.90e-04	-3.07e-04	-0.15	2.55e-04	3.48e-05	0.0
89	106	5.31e-04	-3.15e-04	-0.15	2.55e-04	3.48e-05	0.0
90	9	5.06e-04	1.34e-05	-0.26	3.93e-04	-1.09e-04	0.0
90	16	4.22e-04	1.54e-05	-0.25	3.63e-04	-1.03e-04	0.0
90	36	0.03	-5.96e-03	-0.19	2.60e-04	-1.58e-06	0.0
90	40	0.01	-0.02	-0.19	3.14e-04	-6.65e-05	0.0
90	42	-1.56e-03	-0.02	-0.19	3.07e-04	-1.09e-04	0.0
90	68	0.02	-3.61e-03	-0.19	2.49e-04	-3.25e-05	0.0
90	71	-1.27e-03	0.01	-0.18	1.94e-04	-5.00e-05	0.0
90	72	9.93e-03	-0.01	-0.19	2.80e-04	-6.79e-05	0.0
90	87	3.86e-04	8.02e-06	-0.18	2.35e-04	-7.06e-05	0.0
90	93	4.04e-04	9.96e-06	-0.20	2.88e-04	-8.10e-05	0.0
90	97	3.49e-04	1.13e-05	-0.19	2.68e-04	-7.72e-05	0.0
90	102	3.89e-04	8.41e-06	-0.19	2.46e-04	-7.27e-05	0.0
90	105	3.86e-04	8.02e-06	-0.18	2.35e-04	-7.06e-05	0.0
91	4	1.66e-04	-2.26e-04	-0.24	3.00e-04	-2.82e-06	0.0
91	9	5.01e-04	-2.12e-04	-0.25	3.36e-04	-3.32e-06	0.0
91	11	2.76e-04	-2.26e-04	-0.25	3.36e-04	-3.09e-06	0.0

91	36	0.03	-5.92e-03	-0.18	2.17e-04	-6.91e-05	0.0
91	40	0.01	-0.02	-0.18	2.64e-04	2.23e-05	0.0
91	42	-1.77e-03	-0.03	-0.18	2.57e-04	6.55e-05	0.0
91	68	0.02	-3.44e-03	-0.18	2.09e-04	-3.93e-05	0.0
91	72	9.65e-03	-0.01	-0.18	2.35e-04	1.07e-05	0.0
91	74	1.69e-03	-0.01	-0.18	2.31e-04	3.45e-05	0.0
91	87	3.81e-04	-1.52e-04	-0.18	1.98e-04	-2.28e-06	0.0
91	88	3.17e-04	-1.56e-04	-0.18	1.98e-04	-2.22e-06	0.0
91	92	1.77e-04	-1.69e-04	-0.18	2.22e-04	-2.18e-06	0.0
91	93	4.00e-04	-1.60e-04	-0.19	2.46e-04	-2.51e-06	0.0
91	95	2.50e-04	-1.69e-04	-0.19	2.46e-04	-2.36e-06	0.0
91	101	2.74e-04	-1.59e-04	-0.18	1.98e-04	-2.17e-06	0.0
91	102	3.85e-04	-1.53e-04	-0.18	2.07e-04	-2.33e-06	0.0
91	104	3.21e-04	-1.58e-04	-0.18	2.07e-04	-2.26e-06	0.0
91	105	3.81e-04	-1.52e-04	-0.18	1.98e-04	-2.28e-06	0.0
91	106	3.17e-04	-1.56e-04	-0.18	1.98e-04	-2.22e-06	0.0
92	9	1.73e-03	-2.00e-03	-0.23	-1.84e-04	3.95e-04	-2.96e-06
92	11	1.57e-03	-2.09e-03	-0.23	-1.83e-04	3.94e-04	-2.98e-06
92	35	0.03	-0.01	-0.19	-3.17e-04	4.67e-04	-5.39e-05
92	42	-8.50e-03	-0.05	-0.16	6.53e-04	2.39e-04	4.78e-05
92	67	0.02	-7.49e-03	-0.18	-2.30e-04	3.74e-04	-3.26e-05
92	74	-5.52e-03	-0.02	-0.17	3.02e-04	2.46e-04	3.22e-05
92	87	1.24e-03	-1.39e-03	-0.17	-1.24e-04	2.59e-04	-2.00e-06
92	88	1.20e-03	-1.41e-03	-0.17	-1.24e-04	2.59e-04	-2.00e-06
92	93	1.32e-03	-1.50e-03	-0.18	-1.38e-04	2.94e-04	-2.22e-06
92	95	1.22e-03	-1.56e-03	-0.18	-1.37e-04	2.94e-04	-2.23e-06
92	102	1.26e-03	-1.41e-03	-0.17	-1.27e-04	2.66e-04	-2.04e-06
92	104	1.21e-03	-1.44e-03	-0.17	-1.27e-04	2.66e-04	-2.05e-06
92	105	1.24e-03	-1.39e-03	-0.17	-1.24e-04	2.59e-04	-2.00e-06
92	106	1.20e-03	-1.41e-03	-0.17	-1.24e-04	2.59e-04	-2.00e-06
93	9	1.18e-03	-1.25e-03	-0.17	-1.79e-06	1.64e-04	0.0
93	11	9.98e-04	-1.32e-03	-0.17	-1.90e-06	1.63e-04	0.0
93	16	1.08e-03	-1.23e-03	-0.17	-1.77e-06	1.59e-04	0.0
93	36	0.03	-4.99e-03	-0.13	-4.45e-05	1.50e-04	0.0
93	42	-4.91e-03	-0.04	-0.13	-1.87e-04	9.33e-05	0.0
93	68	0.01	-2.24e-03	-0.13	-2.49e-05	1.29e-04	0.0
93	74	-2.40e-03	-0.02	-0.13	-1.03e-04	9.83e-05	0.0
93	87	8.61e-04	-8.87e-04	-0.13	-1.28e-06	1.04e-04	0.0
93	88	8.10e-04	-9.08e-04	-0.13	-1.31e-06	1.04e-04	0.0
93	93	9.07e-04	-9.38e-04	-0.13	-1.35e-06	1.21e-04	0.0
93	95	7.89e-04	-9.87e-04	-0.13	-1.42e-06	1.21e-04	0.0
93	97	8.44e-04	-9.26e-04	-0.13	-1.33e-06	1.18e-04	0.0
93	101	7.76e-04	-9.22e-04	-0.13	-1.33e-06	1.04e-04	0.0
93	102	8.70e-04	-8.97e-04	-0.13	-1.29e-06	1.08e-04	0.0
93	105	8.61e-04	-8.87e-04	-0.13	-1.28e-06	1.04e-04	0.0
93	106	8.10e-04	-9.08e-04	-0.13	-1.31e-06	1.04e-04	0.0
94	4	-2.95e-03	0.03	-0.26	9.04e-05	2.46e-04	0.0
94	11	-2.35e-03	0.03	-0.26	9.08e-05	2.77e-04	0.0
94	18	-2.59e-03	0.03	-0.26	8.92e-05	2.32e-04	0.0
94	37	-0.26	0.09	-0.25	2.25e-04	-5.32e-04	0.0
94	49	-0.09	0.43	-0.21	4.40e-04	-6.88e-05	0.0
94	69	-0.14	0.07	-0.22	1.55e-04	-2.19e-04	0.0
94	81	-0.05	0.29	-0.20	2.82e-04	3.60e-05	0.0
94	88	-8.62e-04	0.02	-0.18	6.18e-05	1.65e-04	0.0
94	92	-1.90e-03	0.02	-0.19	6.75e-05	1.82e-04	0.0
94	95	-1.50e-03	0.02	-0.19	6.77e-05	2.03e-04	0.0
94	99	-1.66e-03	0.02	-0.19	6.67e-05	1.73e-04	0.0
94	101	-1.15e-03	0.02	-0.19	6.29e-05	1.64e-04	0.0
94	106	-8.62e-04	0.02	-0.18	6.18e-05	1.65e-04	0.0
95	4	-2.95e-03	0.03	-0.27	8.95e-05	2.64e-04	-1.45e-05
95	11	-2.35e-03	0.03	-0.27	8.99e-05	2.96e-04	-1.46e-05
95	37	-0.26	0.09	-0.23	2.13e-04	-5.25e-04	0.0
95	49	-0.09	0.42	-0.21	4.15e-04	-5.51e-05	-8.91e-05
95	69	-0.14	0.07	-0.21	1.48e-04	-2.08e-04	-8.91e-06
95	81	-0.05	0.29	-0.20	2.67e-04	4.98e-05	-6.85e-05
95	88	-8.63e-04	0.02	-0.19	6.12e-05	1.79e-04	-1.01e-05
95	92	-1.90e-03	0.02	-0.20	6.68e-05	1.96e-04	-1.09e-05
95	95	-1.50e-03	0.02	-0.20	6.71e-05	2.18e-04	-1.09e-05
95	101	-1.15e-03	0.02	-0.19	6.22e-05	1.78e-04	-1.02e-05
95	106	-8.63e-04	0.02	-0.19	6.12e-05	1.79e-04	-1.01e-05
96	4	-3.74e-03	-8.91e-03	-0.26	-6.92e-06	-5.89e-04	-1.12e-05
96	11	-3.23e-03	-8.95e-03	-0.26	-6.95e-06	-6.45e-04	-1.13e-05
96	16	-1.83e-03	-8.33e-03	-0.26	-6.46e-06	-5.81e-04	-1.05e-05
96	36	0.26	-0.13	-0.21	-1.03e-04	-2.26e-04	-2.26e-05
96	37	-0.26	0.12	-0.18	9.36e-05	-9.28e-04	6.77e-06
96	42	-0.06	-0.55	-0.19	-4.35e-04	-5.25e-04	-2.35e-04
96	68	0.14	-0.07	-0.20	-5.85e-05	-1.05e-04	-1.16e-05
96	69	-0.15	0.06	-0.18	4.90e-05	-6.90e-04	-3.89e-06
96	74	-0.04	-0.30	-0.19	-2.40e-04	-4.68e-04	-1.19e-04
96	87	-9.44e-04	-6.02e-03	-0.19	-4.67e-06	-3.97e-04	-7.59e-06

96	88	-1.38e-03	-6.16e-03	-0.19	-4.79e-06	-3.98e-04	-7.77e-06
96	92	-2.48e-03	-6.67e-03	-0.20	-5.18e-06	-4.38e-04	-8.38e-06
96	95	-2.15e-03	-6.70e-03	-0.20	-5.20e-06	-4.75e-04	-8.42e-06
96	97	-1.21e-03	-6.28e-03	-0.20	-4.88e-06	-4.32e-04	-7.92e-06
96	101	-1.67e-03	-6.26e-03	-0.19	-4.86e-06	-3.98e-04	-7.88e-06
96	102	-9.82e-04	-6.09e-03	-0.19	-4.73e-06	-4.12e-04	-7.68e-06
96	105	-9.44e-04	-6.02e-03	-0.19	-4.67e-06	-3.97e-04	-7.59e-06
96	106	-1.38e-03	-6.16e-03	-0.19	-4.79e-06	-3.98e-04	-7.77e-06
97	9	1.72e-03	-1.91e-03	-0.25	-2.15e-04	3.64e-04	0.0
97	11	1.57e-03	-2.00e-03	-0.25	-2.14e-04	3.63e-04	0.0
97	35	0.03	-0.01	-0.21	-3.62e-04	4.46e-04	0.0
97	42	-8.52e-03	-0.05	-0.17	6.83e-04	2.08e-04	0.0
97	67	0.02	-7.76e-03	-0.19	-2.64e-04	3.53e-04	0.0
97	74	-5.53e-03	-0.02	-0.18	3.09e-04	2.20e-04	0.0
97	87	1.23e-03	-1.32e-03	-0.18	-1.46e-04	2.38e-04	0.0
97	88	1.19e-03	-1.35e-03	-0.18	-1.46e-04	2.37e-04	0.0
97	93	1.32e-03	-1.43e-03	-0.19	-1.61e-04	2.71e-04	0.0
97	95	1.21e-03	-1.49e-03	-0.19	-1.61e-04	2.71e-04	0.0
97	102	1.25e-03	-1.35e-03	-0.18	-1.49e-04	2.44e-04	0.0
97	104	1.21e-03	-1.37e-03	-0.18	-1.49e-04	2.44e-04	0.0
97	105	1.23e-03	-1.32e-03	-0.18	-1.46e-04	2.38e-04	0.0
97	106	1.19e-03	-1.35e-03	-0.18	-1.46e-04	2.37e-04	0.0
98	4	-1.51e-03	0.03	-0.24	2.07e-04	2.60e-04	0.0
98	11	-8.94e-04	0.03	-0.24	2.12e-04	2.91e-04	0.0
98	32	0.26	0.01	-0.12	1.41e-04	8.73e-04	0.0
98	38	-0.25	-0.14	-0.24	4.59e-05	-5.45e-04	0.0
98	49	-0.07	0.43	-0.17	3.80e-04	-7.86e-06	0.0
98	64	0.14	4.32e-03	-0.14	1.44e-04	5.58e-04	0.0
98	70	-0.14	-0.08	-0.21	9.09e-05	-2.22e-04	0.0
98	81	-0.04	0.29	-0.17	2.80e-04	7.63e-05	0.0
98	87	5.45e-04	0.02	-0.17	1.47e-04	1.77e-04	0.0
98	88	1.36e-04	0.02	-0.17	1.49e-04	1.76e-04	0.0
98	92	-8.22e-04	0.02	-0.18	1.56e-04	1.93e-04	0.0
98	95	-4.14e-04	0.02	-0.18	1.60e-04	2.14e-04	0.0
98	100	5.45e-04	0.02	-0.17	1.47e-04	1.77e-04	0.0
98	101	-1.38e-04	0.02	-0.17	1.50e-04	1.75e-04	0.0
98	105	5.45e-04	0.02	-0.17	1.47e-04	1.77e-04	0.0
98	106	1.36e-04	0.02	-0.17	1.49e-04	1.76e-04	0.0
99	4	-1.51e-03	0.03	-0.25	1.91e-04	2.65e-04	-1.50e-05
99	11	-8.94e-04	0.03	-0.25	1.95e-04	2.97e-04	-1.52e-05
99	32	0.26	0.01	-0.15	6.58e-05	8.90e-04	-8.77e-05
99	38	-0.25	-0.14	-0.22	1.27e-04	-5.03e-04	3.69e-05
99	49	-0.07	0.42	-0.17	3.01e-04	-6.13e-05	-8.75e-05
99	64	0.14	3.66e-03	-0.17	9.72e-05	5.70e-04	-4.84e-05
99	70	-0.14	-0.08	-0.20	1.30e-04	-1.96e-04	2.04e-05
99	81	-0.04	0.29	-0.18	2.31e-04	4.75e-05	-6.78e-05
99	87	5.47e-04	0.02	-0.18	1.35e-04	1.81e-04	-1.01e-05
99	88	1.37e-04	0.02	-0.18	1.37e-04	1.80e-04	-1.04e-05
99	92	-8.21e-04	0.02	-0.19	1.44e-04	1.97e-04	-1.12e-05
99	95	-4.13e-04	0.02	-0.19	1.47e-04	2.18e-04	-1.13e-05
99	100	5.47e-04	0.02	-0.18	1.35e-04	1.81e-04	-1.01e-05
99	101	-1.36e-04	0.02	-0.18	1.37e-04	1.79e-04	-1.05e-05
99	105	5.47e-04	0.02	-0.18	1.35e-04	1.81e-04	-1.01e-05
99	106	1.37e-04	0.02	-0.18	1.37e-04	1.80e-04	-1.04e-05
100	9	2.04e-03	2.34e-03	-0.22	-1.34e-04	1.60e-04	0.0
100	11	1.89e-03	2.47e-03	-0.22	-1.32e-04	1.40e-04	0.0
100	35	0.03	0.01	-0.18	-9.04e-05	-8.05e-05	0.0
100	49	9.54e-03	0.05	-0.21	-2.64e-04	-1.69e-04	0.0
100	67	0.02	0.01	-0.17	-8.51e-05	-1.05e-05	0.0
100	81	9.64e-03	0.04	-0.19	-1.85e-04	-7.47e-05	0.0
100	87	1.50e-03	1.67e-03	-0.16	-7.45e-05	9.47e-05	0.0
100	88	1.46e-03	1.71e-03	-0.16	-7.40e-05	8.89e-05	0.0
100	93	1.57e-03	1.76e-03	-0.17	-9.69e-05	1.19e-04	0.0
100	95	1.47e-03	1.85e-03	-0.17	-9.58e-05	1.05e-04	0.0
100	101	1.43e-03	1.73e-03	-0.16	-7.37e-05	8.51e-05	0.0
100	102	1.51e-03	1.69e-03	-0.16	-7.90e-05	9.95e-05	0.0
100	104	1.47e-03	1.73e-03	-0.16	-7.85e-05	9.37e-05	0.0
100	105	1.50e-03	1.67e-03	-0.16	-7.45e-05	9.47e-05	0.0
100	106	1.46e-03	1.71e-03	-0.16	-7.40e-05	8.89e-05	0.0
101	9	1.20e-03	-1.57e-03	-0.20	-4.69e-06	1.54e-04	0.0
101	11	1.02e-03	-1.66e-03	-0.20	-4.97e-06	1.53e-04	0.0
101	36	0.03	-5.28e-03	-0.16	-9.94e-05	1.74e-04	0.0
101	42	-4.89e-03	-0.05	-0.14	-4.22e-04	7.32e-05	0.0
101	68	0.01	-2.18e-03	-0.15	-5.58e-05	1.38e-04	0.0
101	74	-2.38e-03	-0.02	-0.14	-2.32e-04	8.20e-05	0.0
101	87	8.74e-04	-1.12e-03	-0.15	-3.35e-06	9.29e-05	0.0
101	88	8.24e-04	-1.14e-03	-0.15	-3.43e-06	9.27e-05	0.0
101	93	9.24e-04	-1.18e-03	-0.15	-3.53e-06	1.13e-04	0.0
101	95	8.05e-04	-1.24e-03	-0.15	-3.72e-06	1.13e-04	0.0
101	101	7.90e-04	-1.16e-03	-0.15	-3.48e-06	9.27e-05	0.0

101	102	8.84e-04	-1.13e-03	-0.15	-3.38e-06	9.69e-05	0.0
101	105	8.74e-04	-1.12e-03	-0.15	-3.35e-06	9.29e-05	0.0
101	106	8.24e-04	-1.14e-03	-0.15	-3.43e-06	9.27e-05	0.0
102	9	2.10e-03	0.03	-0.23	6.38e-05	3.14e-04	-2.11e-05
102	11	7.54e-04	0.03	-0.24	6.41e-05	3.10e-04	-2.19e-05
102	32	0.27	0.01	-0.13	6.25e-05	9.17e-04	-3.24e-05
102	33	-0.26	0.03	-0.20	2.89e-05	-5.34e-04	2.63e-06
102	49	-0.07	0.42	-0.17	-3.70e-04	-6.64e-05	-8.76e-05
102	64	0.15	3.68e-03	-0.15	6.16e-05	5.90e-04	-2.00e-05
102	65	-0.14	0.04	-0.19	2.98e-05	-2.07e-04	-9.41e-06
102	81	-0.03	0.29	-0.17	-2.05e-04	5.07e-05	-6.98e-05
102	87	1.65e-03	0.02	-0.17	4.57e-05	1.92e-04	-1.44e-05
102	88	1.26e-03	0.02	-0.17	4.57e-05	1.91e-04	-1.47e-05
102	93	1.72e-03	0.02	-0.17	4.84e-05	2.31e-04	-1.58e-05
102	95	8.18e-04	0.02	-0.18	4.85e-05	2.28e-04	-1.64e-05
102	101	1.00e-03	0.02	-0.17	4.58e-05	1.90e-04	-1.49e-05
102	102	1.66e-03	0.02	-0.17	4.62e-05	2.00e-04	-1.47e-05
102	105	1.65e-03	0.02	-0.17	4.57e-05	1.92e-04	-1.44e-05
102	106	1.26e-03	0.02	-0.17	4.57e-05	1.91e-04	-1.47e-05
103	9	2.07e-03	-1.69e-03	-0.25	6.96e-05	3.98e-04	0.0
103	11	1.93e-03	-1.78e-03	-0.25	7.04e-05	3.97e-04	0.0
103	35	0.03	-0.01	-0.23	4.60e-05	5.44e-04	0.0
103	39	0.01	0.04	-0.33	-1.40e-03	5.19e-04	0.0
103	42	-0.01	-0.05	-0.04	1.50e-03	8.22e-06	0.0
103	67	0.02	-7.61e-03	-0.21	4.80e-05	4.18e-04	0.0
103	71	9.95e-03	0.02	-0.26	-7.46e-04	4.05e-04	0.0
103	74	-7.10e-03	-0.02	-0.10	8.43e-04	1.22e-04	0.0
103	87	1.46e-03	-1.17e-03	-0.18	4.84e-05	2.64e-04	0.0
103	88	1.42e-03	-1.20e-03	-0.18	4.87e-05	2.63e-04	0.0
103	93	1.57e-03	-1.26e-03	-0.19	5.24e-05	2.97e-04	0.0
103	95	1.48e-03	-1.32e-03	-0.19	5.29e-05	2.96e-04	0.0
103	102	1.49e-03	-1.19e-03	-0.19	4.92e-05	2.70e-04	0.0
103	104	1.45e-03	-1.21e-03	-0.19	4.95e-05	2.70e-04	0.0
103	105	1.46e-03	-1.17e-03	-0.18	4.84e-05	2.64e-04	0.0
103	106	1.42e-03	-1.20e-03	-0.18	4.87e-05	2.63e-04	0.0
104	9	2.17e-03	6.28e-03	-0.27	3.62e-05	7.48e-05	-1.12e-05
104	11	8.48e-04	6.61e-03	-0.27	3.55e-05	7.22e-05	-1.18e-05
104	32	0.28	-0.10	-0.19	3.20e-04	-4.90e-06	-1.14e-04
104	45	-0.15	0.29	-0.19	-8.99e-04	1.76e-05	2.27e-04
104	47	0.09	0.27	-0.20	-7.98e-04	-4.60e-05	-5.03e-05
104	64	0.15	-0.05	-0.19	1.83e-04	1.89e-05	-6.21e-05
104	77	-0.08	0.17	-0.19	-5.20e-04	2.49e-05	1.07e-04
104	79	0.05	0.17	-0.19	-4.65e-04	-1.01e-05	-4.60e-05
104	87	1.78e-03	4.48e-03	-0.19	0.0	4.55e-05	-8.00e-06
104	88	1.40e-03	4.58e-03	-0.19	-1.08e-06	4.47e-05	-8.18e-06
104	93	1.78e-03	4.73e-03	-0.20	2.17e-05	5.52e-05	-8.44e-06
104	95	9.03e-04	4.95e-03	-0.20	2.13e-05	5.34e-05	-8.87e-06
104	101	1.15e-03	4.65e-03	-0.19	-1.21e-06	4.42e-05	-8.31e-06
104	102	1.78e-03	4.53e-03	-0.19	3.65e-06	4.74e-05	-8.09e-06
104	105	1.78e-03	4.48e-03	-0.19	0.0	4.55e-05	-8.00e-06
104	106	1.40e-03	4.58e-03	-0.19	-1.08e-06	4.47e-05	-8.18e-06
105	4	-1.69e-03	-8.65e-03	-0.24	8.18e-05	-6.07e-04	-6.01e-06
105	9	2.13e-04	-8.16e-03	-0.24	8.27e-05	-6.60e-04	-4.92e-06
105	11	-1.18e-03	-8.66e-03	-0.24	8.33e-05	-6.63e-04	-5.54e-06
105	32	0.27	-0.22	-0.20	3.77e-04	9.55e-05	-1.00e-04
105	36	0.26	-0.13	-0.20	2.48e-04	9.66e-05	-1.77e-05
105	42	-0.03	-0.55	-0.18	8.51e-04	-6.19e-04	-2.23e-04
105	64	0.15	-0.12	-0.19	2.34e-04	-1.33e-04	-5.28e-05
105	68	0.14	-0.07	-0.19	1.63e-04	-1.33e-04	-7.41e-06
105	74	-0.02	-0.30	-0.18	4.94e-04	-5.27e-04	-1.10e-04
105	87	4.50e-04	-5.84e-03	-0.18	6.05e-05	-4.11e-04	-4.07e-06
105	88	5.04e-05	-5.99e-03	-0.18	6.06e-05	-4.12e-04	-4.25e-06
105	92	-9.45e-04	-6.48e-03	-0.18	6.23e-05	-4.52e-04	-4.53e-06
105	93	3.22e-04	-6.15e-03	-0.19	6.29e-05	-4.87e-04	-3.81e-06
105	95	-6.10e-04	-6.48e-03	-0.19	6.33e-05	-4.89e-04	-4.22e-06
105	100	4.50e-04	-5.84e-03	-0.18	6.05e-05	-4.11e-04	-4.07e-06
105	101	-2.16e-04	-6.08e-03	-0.18	6.08e-05	-4.13e-04	-4.37e-06
105	102	4.24e-04	-5.90e-03	-0.18	6.09e-05	-4.27e-04	-4.02e-06
105	105	4.50e-04	-5.84e-03	-0.18	6.05e-05	-4.11e-04	-4.07e-06
105	106	5.04e-05	-5.99e-03	-0.18	6.06e-05	-4.12e-04	-4.25e-06
106	4	-7.63e-03	0.02	-0.31	7.85e-05	4.77e-04	-1.46e-05
106	11	-7.06e-03	0.02	-0.32	7.23e-05	5.21e-04	-1.46e-05
106	33	-0.27	0.05	-0.19	-3.56e-05	3.88e-04	-1.30e-05
106	48	0.10	-0.33	-0.28	7.34e-04	3.64e-04	8.18e-05
106	49	-0.11	0.36	-0.16	-6.32e-04	2.99e-04	-1.02e-04
106	65	-0.15	0.04	-0.21	6.06e-06	3.59e-04	-1.60e-05
106	80	0.06	-0.20	-0.26	4.59e-04	3.53e-04	5.55e-05
106	81	-0.07	0.23	-0.19	-3.31e-04	3.08e-04	-7.57e-05
106	88	-4.10e-03	0.01	-0.22	6.38e-05	3.31e-04	-1.01e-05
106	92	-5.40e-03	0.01	-0.24	6.14e-05	3.56e-04	-1.09e-05

106	95	-5.03e-03	0.02	-0.24	5.72e-05	3.86e-04	-1.10e-05
106	101	-4.43e-03	0.01	-0.22	6.42e-05	3.30e-04	-1.02e-05
106	104	-4.15e-03	0.01	-0.22	6.24e-05	3.42e-04	-1.02e-05
106	106	-4.10e-03	0.01	-0.22	6.38e-05	3.31e-04	-1.01e-05
107	11	-2.42e-04	0.01	-0.25	1.51e-04	7.63e-06	-7.29e-06
107	17	-4.50e-04	0.01	-0.24	1.44e-04	7.68e-06	-6.97e-06
107	35	0.04	0.07	-0.18	-1.32e-04	3.78e-05	-3.43e-05
107	49	3.11e-03	0.16	-0.23	-5.23e-04	-6.15e-06	-6.71e-05
107	70	-0.02	-0.03	-0.17	2.34e-04	-1.15e-05	1.40e-05
107	81	4.57e-03	0.12	-0.21	-2.49e-04	-1.26e-06	-4.86e-05
107	88	-6.16e-05	7.31e-03	-0.17	1.02e-04	5.78e-06	-5.01e-06
107	95	-1.39e-04	7.99e-03	-0.19	1.12e-04	5.95e-06	-5.45e-06
107	98	-2.78e-04	7.66e-03	-0.18	1.08e-04	4.72e-06	-5.24e-06
107	101	-1.18e-04	7.44e-03	-0.18	1.04e-04	5.51e-06	-5.09e-06
107	106	-6.16e-05	7.31e-03	-0.17	1.02e-04	5.78e-06	-5.01e-06
108	4	1.01e-03	9.90e-04	-0.24	-2.71e-05	-1.49e-05	6.28e-06
108	11	9.67e-04	1.01e-03	-0.24	-2.72e-05	-1.30e-05	6.39e-06
108	35	0.03	6.54e-03	-0.22	-1.27e-04	8.23e-05	-1.03e-05
108	47	0.02	0.03	-0.27	-2.85e-04	1.15e-04	-8.15e-06
108	67	0.02	6.84e-03	-0.20	-8.51e-05	4.36e-05	-7.91e-06
108	79	0.01	0.03	-0.23	-1.89e-04	6.53e-05	-1.79e-05
108	88	5.91e-04	6.99e-04	-0.17	-1.82e-05	-6.38e-06	4.67e-06
108	92	7.29e-04	7.45e-04	-0.18	-2.02e-05	-1.01e-05	4.78e-06
108	95	6.99e-04	7.56e-04	-0.18	-2.02e-05	-8.88e-06	4.86e-06
108	101	6.25e-04	7.06e-04	-0.17	-1.86e-05	-7.39e-06	4.67e-06
108	104	5.99e-04	7.08e-04	-0.17	-1.85e-05	-6.48e-06	4.70e-06
108	106	5.91e-04	6.99e-04	-0.17	-1.82e-05	-6.38e-06	4.67e-06
109	9	-2.11e-03	-8.06e-05	-0.24	3.00e-04	-2.90e-04	0.0
109	11	-2.02e-03	-3.94e-05	-0.25	3.16e-04	-3.07e-04	0.0
109	16	-1.96e-03	-8.55e-05	-0.24	2.96e-04	-2.88e-04	0.0
109	29	-0.03	0.03	-0.22	2.00e-04	-3.10e-04	0.0
109	49	-0.02	0.05	-0.20	-9.82e-06	-3.25e-04	0.0
109	61	-0.02	0.02	-0.20	2.04e-04	-2.70e-04	0.0
109	80	9.36e-03	-0.05	-0.16	3.70e-04	-1.45e-04	0.0
109	87	-1.52e-03	-3.26e-05	-0.17	2.17e-04	-2.10e-04	0.0
109	88	-1.49e-03	-2.09e-05	-0.18	2.22e-04	-2.15e-04	0.0
109	93	-1.61e-03	-5.86e-05	-0.18	2.26e-04	-2.19e-04	0.0
109	95	-1.55e-03	-3.11e-05	-0.19	2.38e-04	-2.30e-04	0.0
109	97	-1.50e-03	-6.18e-05	-0.18	2.24e-04	-2.18e-04	0.0
109	101	-1.47e-03	-1.30e-05	-0.18	2.25e-04	-2.18e-04	0.0
109	102	-1.54e-03	-3.78e-05	-0.18	2.19e-04	-2.12e-04	0.0
109	105	-1.52e-03	-3.26e-05	-0.17	2.17e-04	-2.10e-04	0.0
109	106	-1.49e-03	-2.09e-05	-0.18	2.22e-04	-2.15e-04	0.0
110	3	-1.84e-03	5.22e-04	-0.23	3.69e-04	-3.34e-04	3.73e-05
110	9	-2.11e-03	4.30e-04	-0.23	3.57e-04	-3.24e-04	3.69e-05
110	11	-2.02e-03	4.84e-04	-0.24	3.77e-04	-3.42e-04	3.85e-05
110	29	-0.03	0.03	-0.20	2.41e-04	-3.50e-04	0.0
110	49	-0.02	0.05	-0.19	1.49e-05	-3.70e-04	-1.33e-05
110	61	-0.02	0.02	-0.19	2.46e-04	-3.03e-04	1.03e-05
110	81	-0.01	0.05	-0.18	1.08e-04	-3.19e-04	-4.22e-06
110	87	-1.52e-03	3.40e-04	-0.17	2.59e-04	-2.34e-04	2.68e-05
110	88	-1.49e-03	3.55e-04	-0.17	2.65e-04	-2.40e-04	2.72e-05
110	91	-1.43e-03	3.91e-04	-0.18	2.78e-04	-2.52e-04	2.82e-05
110	93	-1.61e-03	3.29e-04	-0.17	2.70e-04	-2.45e-04	2.80e-05
110	95	-1.54e-03	3.65e-04	-0.18	2.83e-04	-2.57e-04	2.90e-05
110	101	-1.47e-03	3.65e-04	-0.17	2.68e-04	-2.43e-04	2.75e-05
110	102	-1.54e-03	3.37e-04	-0.17	2.61e-04	-2.37e-04	2.70e-05
110	105	-1.52e-03	3.40e-04	-0.17	2.59e-04	-2.34e-04	2.68e-05
110	106	-1.49e-03	3.55e-04	-0.17	2.65e-04	-2.40e-04	2.72e-05
111	9	4.94e-04	-4.15e-04	-0.26	4.15e-04	2.13e-04	0.0
111	11	2.71e-04	-4.41e-04	-0.26	4.15e-04	2.13e-04	0.0
111	36	0.03	-6.14e-03	-0.18	2.47e-04	1.63e-04	0.0
111	42	-1.88e-03	-0.03	-0.20	3.68e-04	1.84e-04	0.0
111	68	0.02	-3.40e-03	-0.18	2.48e-04	1.51e-04	0.0
111	74	1.55e-03	-0.01	-0.19	3.15e-04	1.63e-04	0.0
111	87	3.75e-04	-2.97e-04	-0.19	2.49e-04	1.38e-04	0.0
111	88	3.12e-04	-3.04e-04	-0.19	2.49e-04	1.38e-04	0.0
111	93	3.95e-04	-3.12e-04	-0.20	3.04e-04	1.59e-04	0.0
111	95	2.46e-04	-3.30e-04	-0.20	3.04e-04	1.59e-04	0.0
111	101	2.69e-04	-3.09e-04	-0.19	2.49e-04	1.38e-04	0.0
111	102	3.79e-04	-3.00e-04	-0.19	2.60e-04	1.42e-04	0.0
111	104	3.15e-04	-3.07e-04	-0.19	2.60e-04	1.42e-04	0.0
111	105	3.75e-04	-2.97e-04	-0.19	2.49e-04	1.38e-04	0.0
111	106	3.12e-04	-3.04e-04	-0.19	2.49e-04	1.38e-04	0.0
112	4	4.83e-04	0.03	-0.22	5.99e-05	2.95e-04	0.0
112	9	2.46e-03	0.03	-0.21	6.29e-05	3.31e-04	0.0
112	11	1.13e-03	0.03	-0.22	6.27e-05	3.27e-04	0.0
112	32	0.27	0.01	-0.10	3.78e-05	8.51e-04	0.0
112	33	-0.26	0.03	-0.22	4.95e-05	-4.46e-04	0.0
112	49	-0.07	0.43	-0.18	-4.36e-04	-3.46e-05	0.0

112	64	0.15	4.53e-03	-0.13	4.85e-05	5.58e-04	0.0
112	65	-0.14	0.04	-0.19	3.91e-05	-1.53e-04	0.0
112	81	-0.03	0.29	-0.17	-2.46e-04	7.51e-05	0.0
112	87	1.89e-03	0.02	-0.16	4.38e-05	2.03e-04	0.0
112	88	1.51e-03	0.02	-0.16	4.38e-05	2.02e-04	0.0
112	92	6.66e-04	0.03	-0.17	4.54e-05	2.20e-04	0.0
112	93	1.99e-03	0.02	-0.16	4.74e-05	2.44e-04	0.0
112	95	1.10e-03	0.03	-0.17	4.73e-05	2.41e-04	0.0
112	101	1.25e-03	0.02	-0.16	4.37e-05	2.01e-04	0.0
112	102	1.91e-03	0.02	-0.16	4.46e-05	2.11e-04	0.0
112	105	1.89e-03	0.02	-0.16	4.38e-05	2.03e-04	0.0
112	106	1.51e-03	0.02	-0.16	4.38e-05	2.02e-04	0.0
113	9	4.81e-04	-5.61e-04	-0.27	4.18e-04	-1.26e-04	0.0
113	11	2.59e-04	-5.95e-04	-0.27	4.18e-04	-1.27e-04	0.0
113	36	0.03	-6.61e-03	-0.20	2.91e-04	2.79e-05	0.0
113	40	0.01	-0.03	-0.21	3.96e-04	-4.06e-05	0.0
113	42	-1.91e-03	-0.03	-0.21	3.80e-04	-1.02e-04	0.0
113	68	0.02	-3.56e-03	-0.19	2.74e-04	-2.05e-05	0.0
113	72	9.41e-03	-0.01	-0.20	3.31e-04	-5.73e-05	0.0
113	74	1.48e-03	-0.02	-0.20	3.23e-04	-9.09e-05	0.0
113	87	3.65e-04	-4.00e-04	-0.19	2.52e-04	-8.02e-05	0.0
113	88	3.02e-04	-4.10e-04	-0.19	2.52e-04	-8.04e-05	0.0
113	93	3.84e-04	-4.22e-04	-0.21	3.07e-04	-9.33e-05	0.0
113	95	2.36e-04	-4.45e-04	-0.21	3.07e-04	-9.39e-05	0.0
113	101	2.59e-04	-4.17e-04	-0.19	2.52e-04	-8.05e-05	0.0
113	102	3.69e-04	-4.05e-04	-0.19	2.63e-04	-8.28e-05	0.0
113	105	3.65e-04	-4.00e-04	-0.19	2.52e-04	-8.02e-05	0.0
113	106	3.02e-04	-4.10e-04	-0.19	2.52e-04	-8.04e-05	0.0
114	9	3.97e-03	0.03	-0.23	-1.02e-04	6.81e-04	0.0
114	11	2.72e-03	0.03	-0.24	-1.04e-04	6.79e-04	0.0
114	32	0.27	0.01	-0.13	-2.82e-05	8.49e-04	-8.02e-05
114	49	-0.06	0.42	-0.25	-9.38e-04	2.73e-04	-3.91e-05
114	64	0.15	4.02e-03	-0.15	-3.77e-05	6.59e-04	-4.02e-05
114	81	-0.03	0.29	-0.22	-5.80e-04	3.45e-04	-3.73e-05
114	87	2.97e-03	0.02	-0.17	-6.96e-05	4.28e-04	-1.24e-06
114	88	2.61e-03	0.02	-0.17	-7.01e-05	4.28e-04	-1.46e-06
114	93	3.12e-03	0.02	-0.18	-7.65e-05	5.03e-04	0.0
114	95	2.29e-03	0.02	-0.18	-7.77e-05	5.02e-04	0.0
114	101	2.37e-03	0.02	-0.17	-7.05e-05	4.27e-04	-1.60e-06
114	102	3.00e-03	0.02	-0.17	-7.10e-05	4.43e-04	-1.06e-06
114	105	2.97e-03	0.02	-0.17	-6.96e-05	4.28e-04	-1.24e-06
114	106	2.61e-03	0.02	-0.17	-7.01e-05	4.28e-04	-1.46e-06
115	11	-5.21e-04	0.01	-0.25	1.58e-04	5.19e-06	-6.38e-06
115	17	-6.88e-04	9.57e-03	-0.24	1.51e-04	3.68e-06	-6.11e-06
115	35	0.04	0.07	-0.18	-1.20e-04	4.10e-05	-3.62e-05
115	49	4.18e-03	0.15	-0.23	-5.07e-04	6.95e-06	-7.36e-05
115	70	-0.02	-0.03	-0.17	2.35e-04	-1.56e-05	1.66e-05
115	81	5.27e-03	0.12	-0.21	-2.37e-04	5.40e-06	-5.40e-05
115	88	-2.08e-04	6.86e-03	-0.18	1.08e-04	4.44e-06	-4.37e-06
115	95	-3.35e-04	7.50e-03	-0.19	1.18e-04	4.22e-06	-4.77e-06
115	98	-4.47e-04	7.18e-03	-0.18	1.13e-04	3.21e-06	-4.59e-06
115	101	-2.76e-04	6.98e-03	-0.18	1.10e-04	4.07e-06	-4.43e-06
115	106	-2.08e-04	6.86e-03	-0.18	1.08e-04	4.44e-06	-4.37e-06
116	4	-1.02e-03	9.46e-03	-0.25	1.51e-04	-2.00e-06	-4.57e-06
116	11	-8.61e-04	9.51e-03	-0.25	1.51e-04	-1.18e-06	-4.51e-06
116	35	0.04	0.06	-0.19	-1.17e-04	5.72e-05	-3.62e-05
116	49	5.07e-03	0.15	-0.23	-4.98e-04	7.21e-06	-7.36e-05
116	70	-0.02	-0.03	-0.17	2.27e-04	-3.09e-05	1.87e-05
116	81	5.84e-03	0.11	-0.21	-2.34e-04	5.92e-06	-5.42e-05
116	88	-3.94e-04	6.49e-03	-0.18	1.03e-04	0.0	-3.15e-06
116	92	-6.83e-04	7.07e-03	-0.19	1.12e-04	0.0	-3.42e-06
116	95	-5.77e-04	7.10e-03	-0.19	1.13e-04	0.0	-3.38e-06
116	101	-4.73e-04	6.60e-03	-0.18	1.05e-04	0.0	-3.21e-06
116	106	-3.94e-04	6.49e-03	-0.18	1.03e-04	0.0	-3.15e-06
117	4	-4.97e-03	3.50e-03	-0.23	2.85e-06	-3.55e-05	-2.63e-06
117	11	-4.79e-03	3.52e-03	-0.23	3.10e-06	-3.40e-05	-2.50e-06
117	37	-0.04	0.03	-0.14	-9.04e-05	-1.79e-04	-3.18e-05
117	48	0.02	-0.08	-0.20	2.47e-04	8.74e-05	6.37e-05
117	49	-0.02	0.09	-0.13	-2.45e-04	-1.27e-04	-6.84e-05
117	69	-0.02	0.02	-0.15	-5.53e-05	-1.10e-04	-2.16e-05
117	80	9.00e-03	-0.06	-0.19	1.59e-04	4.14e-05	4.68e-05
117	81	-0.01	0.06	-0.14	-1.56e-04	-8.51e-05	-5.03e-05
117	88	-2.86e-03	2.46e-03	-0.17	1.59e-06	-2.18e-05	-1.76e-06
117	92	-3.57e-03	2.63e-03	-0.17	2.03e-06	-2.58e-05	-1.96e-06
117	95	-3.44e-03	2.65e-03	-0.17	2.19e-06	-2.48e-05	-1.87e-06
117	101	-3.02e-03	2.49e-03	-0.17	1.64e-06	-2.28e-05	-1.82e-06
117	106	-2.86e-03	2.46e-03	-0.17	1.59e-06	-2.18e-05	-1.76e-06
118	9	-2.18e-03	-5.86e-04	-0.19	4.39e-04	-3.98e-04	0.0
118	11	-2.06e-03	-6.02e-04	-0.20	4.64e-04	-4.20e-04	0.0
118	37	-0.03	2.69e-03	-0.18	5.13e-04	-4.04e-04	0.0

118	48	0.01	-0.05	-0.13	-8.62e-05	-1.88e-04	0.0
118	69	-0.02	6.85e-03	-0.16	4.35e-04	-3.57e-04	0.0
118	80	6.10e-03	-0.05	-0.13	7.26e-05	-2.34e-04	0.0
118	87	-1.57e-03	-3.99e-04	-0.14	3.16e-04	-2.88e-04	0.0
118	88	-1.54e-03	-4.04e-04	-0.14	3.23e-04	-2.95e-04	0.0
118	93	-1.66e-03	-4.39e-04	-0.15	3.31e-04	-3.01e-04	0.0
118	95	-1.58e-03	-4.49e-04	-0.15	3.48e-04	-3.15e-04	0.0
118	101	-1.51e-03	-4.07e-04	-0.15	3.28e-04	-2.99e-04	0.0
118	102	-1.59e-03	-4.07e-04	-0.14	3.19e-04	-2.91e-04	0.0
118	104	-1.56e-03	-4.12e-04	-0.15	3.26e-04	-2.97e-04	0.0
118	105	-1.57e-03	-3.99e-04	-0.14	3.16e-04	-2.88e-04	0.0
118	106	-1.54e-03	-4.04e-04	-0.14	3.23e-04	-2.95e-04	0.0
119	9	-2.11e-03	-5.81e-04	-0.18	4.23e-04	-4.39e-04	0.0
119	11	-1.99e-03	-6.04e-04	-0.19	4.47e-04	-4.63e-04	0.0
119	37	-0.03	2.49e-03	-0.16	4.94e-04	-4.34e-04	0.0
119	48	0.01	-0.05	-0.12	-5.86e-05	-2.29e-04	0.0
119	69	-0.02	6.63e-03	-0.15	4.19e-04	-3.87e-04	0.0
119	80	6.14e-03	-0.04	-0.12	8.73e-05	-2.72e-04	0.0
119	87	-1.52e-03	-3.95e-04	-0.13	3.05e-04	-3.18e-04	0.0
119	88	-1.49e-03	-4.01e-04	-0.13	3.12e-04	-3.25e-04	0.0
119	93	-1.61e-03	-4.34e-04	-0.13	3.19e-04	-3.32e-04	0.0
119	95	-1.53e-03	-4.49e-04	-0.14	3.35e-04	-3.48e-04	0.0
119	101	-1.46e-03	-4.06e-04	-0.13	3.17e-04	-3.29e-04	0.0
119	102	-1.54e-03	-4.03e-04	-0.13	3.08e-04	-3.21e-04	0.0
119	104	-1.50e-03	-4.09e-04	-0.13	3.15e-04	-3.28e-04	0.0
119	105	-1.52e-03	-3.95e-04	-0.13	3.05e-04	-3.18e-04	0.0
119	106	-1.49e-03	-4.01e-04	-0.13	3.12e-04	-3.25e-04	0.0
120	9	-2.01e-03	-5.67e-04	-0.12	4.36e-04	-4.77e-04	0.0
120	11	-1.87e-03	-6.08e-04	-0.13	4.60e-04	-5.03e-04	0.0
120	33	-0.03	-5.38e-03	-0.11	4.01e-04	-4.49e-04	0.0
120	37	-0.03	1.89e-03	-0.11	4.15e-04	-4.56e-04	0.0
120	48	0.01	-0.04	-0.09	1.77e-04	-2.63e-04	0.0
120	65	-0.02	2.00e-03	-0.10	3.69e-04	-4.07e-04	0.0
120	69	-0.02	6.00e-03	-0.10	3.77e-04	-4.11e-04	0.0
120	80	6.19e-03	-0.04	-0.09	2.32e-04	-3.06e-04	0.0
120	87	-1.44e-03	-3.86e-04	-0.09	3.15e-04	-3.46e-04	0.0
120	88	-1.41e-03	-3.97e-04	-0.09	3.22e-04	-3.53e-04	0.0
120	93	-1.53e-03	-4.23e-04	-0.09	3.29e-04	-3.61e-04	0.0
120	95	-1.44e-03	-4.50e-04	-0.10	3.45e-04	-3.78e-04	0.0
120	101	-1.38e-03	-4.05e-04	-0.09	3.27e-04	-3.58e-04	0.0
120	102	-1.46e-03	-3.93e-04	-0.09	3.18e-04	-3.49e-04	0.0
120	105	-1.44e-03	-3.86e-04	-0.09	3.15e-04	-3.46e-04	0.0
120	106	-1.41e-03	-3.97e-04	-0.09	3.22e-04	-3.53e-04	0.0
121	9	-1.98e-03	-4.56e-04	-0.08	4.85e-04	-2.64e-04	0.0
121	11	-1.84e-03	-4.99e-04	-0.09	5.11e-04	-2.78e-04	0.0
121	34	-0.02	-0.01	-0.07	3.95e-04	-2.50e-04	0.0
121	37	-0.03	1.35e-03	-0.07	4.08e-04	-2.49e-04	0.0
121	48	0.01	-0.03	-0.07	3.31e-04	-1.77e-04	0.0
121	66	-0.01	-0.01	-0.07	3.78e-04	-2.27e-04	0.0
121	69	-0.02	5.45e-03	-0.07	3.87e-04	-2.25e-04	0.0
121	80	6.16e-03	-0.04	-0.06	3.39e-04	-1.89e-04	0.0
121	87	-1.42e-03	-3.07e-04	-0.06	3.52e-04	-1.91e-04	0.0
121	88	-1.39e-03	-3.19e-04	-0.06	3.59e-04	-1.95e-04	0.0
121	93	-1.51e-03	-3.38e-04	-0.06	3.67e-04	-2.00e-04	0.0
121	95	-1.42e-03	-3.67e-04	-0.07	3.84e-04	-2.09e-04	0.0
121	101	-1.36e-03	-3.27e-04	-0.06	3.64e-04	-1.98e-04	0.0
121	102	-1.44e-03	-3.13e-04	-0.06	3.55e-04	-1.93e-04	0.0
121	105	-1.42e-03	-3.07e-04	-0.06	3.52e-04	-1.91e-04	0.0
121	106	-1.39e-03	-3.19e-04	-0.06	3.59e-04	-1.95e-04	0.0
122	9	-1.92e-03	-3.33e-04	-0.07	5.39e-04	-9.51e-05	0.0
122	11	-1.77e-03	-3.70e-04	-0.07	5.67e-04	-1.00e-04	0.0
122	37	-0.03	8.77e-04	-0.05	4.35e-04	-8.75e-05	0.0
122	46	-6.78e-03	-8.39e-03	-0.06	4.60e-04	-8.23e-05	0.0
122	48	0.01	-0.03	-0.05	4.29e-04	-7.42e-05	0.0
122	66	-0.01	-9.86e-03	-0.05	4.33e-04	-8.36e-05	0.0
122	69	-0.02	4.95e-03	-0.05	4.20e-04	-7.98e-05	0.0
122	80	6.08e-03	-0.03	-0.05	4.11e-04	-7.47e-05	0.0
122	87	-1.39e-03	-2.19e-04	-0.05	3.90e-04	-6.89e-05	0.0
122	88	-1.34e-03	-2.30e-04	-0.05	3.98e-04	-7.04e-05	0.0
122	93	-1.47e-03	-2.46e-04	-0.05	4.07e-04	-7.19e-05	0.0
122	95	-1.37e-03	-2.70e-04	-0.05	4.26e-04	-7.54e-05	0.0
122	101	-1.31e-03	-2.37e-04	-0.05	4.04e-04	-7.15e-05	0.0
122	102	-1.40e-03	-2.25e-04	-0.05	3.94e-04	-6.95e-05	0.0
122	105	-1.39e-03	-2.19e-04	-0.05	3.90e-04	-6.89e-05	0.0
122	106	-1.34e-03	-2.30e-04	-0.05	3.98e-04	-7.04e-05	0.0
123	9	-1.83e-03	-2.27e-04	-0.06	5.59e-04	-2.14e-05	0.0
123	11	-1.66e-03	-2.55e-04	-0.06	5.87e-04	-2.29e-05	0.0
123	37	-0.03	4.63e-04	-0.05	4.40e-04	-2.67e-05	0.0
123	45	-0.01	2.33e-03	-0.05	3.77e-04	-2.14e-05	0.0
123	48	0.01	-0.02	-0.05	4.53e-04	-7.04e-06	0.0

123	69	-0.02	4.49e-03	-0.05	4.29e-04	-2.18e-05	0.0
123	77	-7.26e-03	0.02	-0.05	3.97e-04	-1.90e-05	0.0
123	80	5.98e-03	-0.03	-0.04	4.32e-04	-1.17e-05	0.0
123	87	-1.33e-03	-1.45e-04	-0.05	4.05e-04	-1.55e-05	0.0
123	88	-1.28e-03	-1.53e-04	-0.05	4.13e-04	-1.59e-05	0.0
123	93	-1.40e-03	-1.66e-04	-0.05	4.23e-04	-1.62e-05	0.0
123	95	-1.29e-03	-1.85e-04	-0.05	4.42e-04	-1.71e-05	0.0
123	101	-1.25e-03	-1.58e-04	-0.05	4.18e-04	-1.62e-05	0.0
123	102	-1.34e-03	-1.49e-04	-0.05	4.08e-04	-1.57e-05	0.0
123	105	-1.33e-03	-1.45e-04	-0.05	4.05e-04	-1.55e-05	0.0
123	106	-1.28e-03	-1.53e-04	-0.05	4.13e-04	-1.59e-05	0.0
124	9	-1.73e-03	-1.34e-04	-0.06	5.59e-04	0.0	0.0
124	11	-1.54e-03	-1.55e-04	-0.06	5.87e-04	0.0	0.0
124	37	-0.03	1.49e-04	-0.05	4.28e-04	-7.25e-06	0.0
124	45	-0.01	8.45e-04	-0.05	3.72e-04	-4.77e-06	0.0
124	49	-0.01	0.02	-0.05	3.65e-04	-7.37e-06	0.0
124	69	-0.02	4.11e-03	-0.05	4.22e-04	-4.13e-06	0.0
124	77	-7.11e-03	0.01	-0.05	3.94e-04	-3.03e-06	0.0
124	80	5.89e-03	-0.03	-0.04	4.36e-04	4.11e-06	0.0
124	87	-1.26e-03	-7.96e-05	-0.05	4.05e-04	0.0	0.0
124	88	-1.20e-03	-8.57e-05	-0.05	4.13e-04	0.0	0.0
124	93	-1.33e-03	-9.64e-05	-0.05	4.23e-04	0.0	0.0
124	95	-1.20e-03	-1.11e-04	-0.05	4.41e-04	0.0	0.0
124	101	-1.17e-03	-8.97e-05	-0.05	4.18e-04	0.0	0.0
124	102	-1.27e-03	-8.30e-05	-0.05	4.08e-04	0.0	0.0
124	105	-1.26e-03	-7.96e-05	-0.05	4.05e-04	0.0	0.0
124	106	-1.20e-03	-8.57e-05	-0.05	4.13e-04	0.0	0.0
125	9	-1.61e-03	-4.93e-05	-0.06	5.56e-04	1.47e-06	0.0
125	11	-1.39e-03	-6.41e-05	-0.06	5.84e-04	1.26e-06	0.0
125	37	-0.03	-9.07e-05	-0.05	4.14e-04	-7.17e-06	0.0
125	49	-0.01	0.02	-0.04	3.53e-04	-1.14e-05	0.0
125	54	-4.86e-03	-0.02	-0.05	4.82e-04	1.08e-05	0.0
125	69	-0.02	3.77e-03	-0.05	4.13e-04	-3.62e-06	0.0
125	80	5.79e-03	-0.02	-0.05	4.40e-04	8.61e-06	0.0
125	86	-2.25e-03	-0.02	-0.05	4.47e-04	6.91e-06	0.0
125	87	-1.18e-03	-2.10e-05	-0.05	4.03e-04	1.14e-06	0.0
125	88	-1.12e-03	-2.53e-05	-0.05	4.11e-04	1.08e-06	0.0
125	93	-1.24e-03	-3.33e-05	-0.05	4.21e-04	1.15e-06	0.0
125	95	-1.09e-03	-4.32e-05	-0.05	4.39e-04	1.01e-06	0.0
125	101	-1.07e-03	-2.81e-05	-0.05	4.16e-04	1.04e-06	0.0
125	102	-1.19e-03	-2.35e-05	-0.05	4.06e-04	1.14e-06	0.0
125	105	-1.18e-03	-2.10e-05	-0.05	4.03e-04	1.14e-06	0.0
125	106	-1.12e-03	-2.53e-05	-0.05	4.11e-04	1.08e-06	0.0
126	1	-1.41e-03	3.67e-05	-0.06	5.29e-04	-6.04e-06	0.0
126	9	-1.49e-03	2.50e-05	-0.06	5.55e-04	-6.46e-06	0.0
126	11	-1.24e-03	1.44e-05	-0.06	5.82e-04	-7.04e-06	0.0
126	37	-0.03	-2.56e-04	-0.05	4.02e-04	-1.28e-05	0.0
126	49	-0.01	0.01	-0.04	3.39e-04	-1.80e-05	0.0
126	50	-5.02e-03	-8.84e-03	-0.05	4.89e-04	5.81e-06	0.0
126	69	-0.02	3.49e-03	-0.05	4.06e-04	-9.48e-06	0.0
126	81	-7.73e-03	0.02	-0.04	3.73e-04	-1.30e-05	0.0
126	82	-2.32e-03	-0.02	-0.05	4.51e-04	1.91e-06	0.0
126	87	-1.10e-03	3.01e-05	-0.05	4.02e-04	-4.56e-06	0.0
126	88	-1.03e-03	2.71e-05	-0.05	4.10e-04	-4.73e-06	0.0
126	89	-1.10e-03	3.01e-05	-0.05	4.02e-04	-4.56e-06	0.0
126	93	-1.15e-03	2.23e-05	-0.05	4.20e-04	-4.84e-06	0.0
126	95	-9.85e-04	1.52e-05	-0.05	4.37e-04	-5.23e-06	0.0
126	100	-1.10e-03	3.01e-05	-0.05	4.02e-04	-4.56e-06	0.0
126	101	-9.81e-04	2.51e-05	-0.05	4.15e-04	-4.84e-06	0.0
126	102	-1.11e-03	2.86e-05	-0.05	4.06e-04	-4.62e-06	0.0
126	105	-1.10e-03	3.01e-05	-0.05	4.02e-04	-4.56e-06	0.0
126	106	-1.03e-03	2.71e-05	-0.05	4.10e-04	-4.73e-06	0.0
127	1	-1.30e-03	1.03e-04	-0.06	5.25e-04	-1.29e-05	0.0
127	9	-1.36e-03	9.81e-05	-0.06	5.52e-04	-1.37e-05	0.0
127	11	-1.08e-03	9.05e-05	-0.06	5.77e-04	-1.47e-05	0.0
127	37	-0.03	-3.51e-04	-0.04	3.68e-04	-1.86e-05	0.0
127	48	9.43e-03	-9.87e-03	-0.05	5.00e-04	6.16e-06	0.0
127	49	-0.01	0.01	-0.04	3.14e-04	-2.63e-05	0.0
127	69	-0.02	3.23e-03	-0.04	3.87e-04	-1.52e-05	0.0
127	80	5.55e-03	-0.02	-0.05	4.57e-04	0.0	0.0
127	81	-7.43e-03	0.02	-0.04	3.57e-04	-2.04e-05	0.0
127	87	-1.02e-03	8.03e-05	-0.04	4.00e-04	-9.78e-06	0.0
127	88	-9.40e-04	7.82e-05	-0.04	4.07e-04	-1.01e-05	0.0
127	89	-1.02e-03	8.03e-05	-0.04	4.00e-04	-9.78e-06	0.0
127	93	-1.06e-03	7.70e-05	-0.05	4.17e-04	-1.03e-05	0.0
127	95	-8.75e-04	7.19e-05	-0.05	4.34e-04	-1.10e-05	0.0
127	100	-1.02e-03	8.03e-05	-0.04	4.00e-04	-9.78e-06	0.0
127	101	-8.86e-04	7.67e-05	-0.04	4.12e-04	-1.03e-05	0.0
127	102	-1.03e-03	7.97e-05	-0.04	4.03e-04	-9.89e-06	0.0
127	105	-1.02e-03	8.03e-05	-0.04	4.00e-04	-9.78e-06	0.0

127	106	-9.40e-04	7.82e-05	-0.04	4.07e-04	-1.01e-05	0.0
128	1	-1.22e-03	1.49e-04	-0.06	5.21e-04	9.43e-06	0.0
128	9	-1.28e-03	1.49e-04	-0.06	5.47e-04	9.72e-06	0.0
128	11	-9.69e-04	1.43e-04	-0.06	5.71e-04	9.44e-06	0.0
128	37	-0.03	-3.74e-04	-0.04	3.55e-04	-4.09e-06	0.0
128	48	9.21e-03	-7.52e-03	-0.05	5.16e-04	2.76e-05	0.0
128	49	-0.01	7.92e-03	-0.04	2.91e-04	-1.40e-05	0.0
128	69	-0.02	3.04e-03	-0.04	3.77e-04	0.0	0.0
128	80	5.43e-03	-0.01	-0.05	4.66e-04	2.05e-05	0.0
128	81	-7.19e-03	0.02	-0.04	3.41e-04	-6.15e-06	0.0
128	87	-9.64e-04	1.15e-04	-0.04	3.97e-04	7.26e-06	0.0
128	88	-8.76e-04	1.14e-04	-0.04	4.04e-04	7.18e-06	0.0
128	89	-9.64e-04	1.15e-04	-0.04	3.97e-04	7.26e-06	0.0
128	93	-9.99e-04	1.15e-04	-0.04	4.14e-04	7.45e-06	0.0
128	95	-7.95e-04	1.11e-04	-0.05	4.30e-04	7.26e-06	0.0
128	100	-9.64e-04	1.15e-04	-0.04	3.97e-04	7.26e-06	0.0
128	101	-8.18e-04	1.13e-04	-0.04	4.08e-04	7.13e-06	0.0
128	102	-9.71e-04	1.15e-04	-0.04	4.00e-04	7.30e-06	0.0
128	105	-9.64e-04	1.15e-04	-0.04	3.97e-04	7.26e-06	0.0
128	106	-8.76e-04	1.14e-04	-0.04	4.04e-04	7.18e-06	0.0
129	9	9.32e-04	2.97e-03	-0.23	-1.86e-05	-6.41e-05	-1.65e-06
129	11	7.05e-04	3.15e-03	-0.24	-2.02e-05	-7.63e-05	-1.95e-06
129	35	0.03	0.02	-0.22	-1.25e-04	-1.04e-04	-3.42e-05
129	47	0.02	0.05	-0.27	-3.03e-04	-9.02e-05	-5.01e-05
129	49	6.87e-03	0.06	-0.25	-3.26e-04	-6.33e-05	-3.58e-05
129	67	0.02	0.02	-0.20	-8.14e-05	-8.02e-05	-2.50e-05
129	79	0.02	0.04	-0.23	-1.94e-04	-7.47e-05	-4.77e-05
129	81	7.53e-03	0.04	-0.23	-2.07e-04	-5.98e-05	-3.96e-05
129	87	7.15e-04	2.10e-03	-0.17	-1.25e-05	-4.56e-05	0.0
129	88	6.51e-04	2.15e-03	-0.17	-1.30e-05	-4.90e-05	0.0
129	93	7.32e-04	2.23e-03	-0.18	-1.38e-05	-4.77e-05	-1.17e-06
129	95	5.81e-04	2.35e-03	-0.18	-1.49e-05	-5.58e-05	-1.37e-06
129	101	6.07e-04	2.19e-03	-0.17	-1.33e-05	-5.14e-05	-1.04e-06
129	102	7.19e-04	2.13e-03	-0.17	-1.28e-05	-4.60e-05	0.0
129	105	7.15e-04	2.10e-03	-0.17	-1.25e-05	-4.56e-05	0.0
129	106	6.51e-04	2.15e-03	-0.17	-1.30e-05	-4.90e-05	0.0
130	9	-1.25e-03	2.52e-04	-0.08	4.58e-04	2.72e-04	0.0
130	11	-9.04e-04	2.58e-04	-0.08	4.77e-04	2.80e-04	0.0
130	37	-0.03	2.61e-03	-0.05	2.65e-04	1.60e-04	0.0
130	47	4.31e-03	4.33e-03	-0.05	1.93e-04	1.77e-04	0.0
130	48	8.73e-03	-2.49e-03	-0.08	5.04e-04	2.36e-04	0.0
130	69	-0.01	4.26e-03	-0.06	2.96e-04	1.77e-04	0.0
130	79	1.14e-03	0.01	-0.05	2.51e-04	1.85e-04	0.0
130	80	5.12e-03	-0.01	-0.07	4.36e-04	2.26e-04	0.0
130	87	-9.54e-04	1.85e-04	-0.06	3.33e-04	1.98e-04	0.0
130	88	-8.55e-04	1.87e-04	-0.06	3.38e-04	2.00e-04	0.0
130	93	-9.82e-04	1.92e-04	-0.06	3.47e-04	2.06e-04	0.0
130	95	-7.53e-04	1.95e-04	-0.06	3.60e-04	2.11e-04	0.0
130	101	-7.90e-04	1.88e-04	-0.06	3.42e-04	2.02e-04	0.0
130	102	-9.59e-04	1.87e-04	-0.06	3.35e-04	2.00e-04	0.0
130	104	-8.61e-04	1.88e-04	-0.06	3.41e-04	2.02e-04	0.0
130	105	-9.54e-04	1.85e-04	-0.06	3.33e-04	1.98e-04	0.0
130	106	-8.55e-04	1.87e-04	-0.06	3.38e-04	2.00e-04	0.0
131	9	5.55e-04	-8.26e-04	-0.21	2.06e-04	-4.73e-04	0.0
131	11	3.34e-04	-8.76e-04	-0.21	2.06e-04	-4.73e-04	0.0
131	36	0.03	-8.11e-03	-0.17	1.80e-04	-3.32e-04	0.0
131	40	0.01	-0.03	-0.18	2.80e-04	-2.36e-04	0.0
131	42	-1.83e-03	-0.03	-0.17	2.52e-04	-2.11e-04	0.0
131	68	0.02	-4.22e-03	-0.16	1.51e-04	-3.18e-04	0.0
131	72	9.39e-03	-0.01	-0.17	2.06e-04	-2.66e-04	0.0
131	74	1.51e-03	-0.02	-0.16	1.91e-04	-2.52e-04	0.0
131	87	4.10e-04	-5.88e-04	-0.15	1.16e-04	-3.01e-04	0.0
131	88	3.46e-04	-6.03e-04	-0.15	1.15e-04	-3.00e-04	0.0
131	93	4.38e-04	-6.22e-04	-0.16	1.49e-04	-3.50e-04	0.0
131	95	2.91e-04	-6.55e-04	-0.16	1.49e-04	-3.50e-04	0.0
131	101	3.04e-04	-6.12e-04	-0.15	1.15e-04	-3.00e-04	0.0
131	102	4.15e-04	-5.95e-04	-0.16	1.22e-04	-3.11e-04	0.0
131	105	4.10e-04	-5.88e-04	-0.15	1.16e-04	-3.01e-04	0.0
131	106	3.46e-04	-6.03e-04	-0.15	1.15e-04	-3.00e-04	0.0
132	9	6.21e-04	-1.00e-03	-0.18	2.37e-05	-1.32e-04	0.0
132	11	4.01e-04	-1.06e-03	-0.18	2.38e-05	-1.32e-04	0.0
132	36	0.03	-9.76e-03	-0.14	6.88e-05	-1.29e-04	0.0
132	42	-1.71e-03	-0.04	-0.18	2.53e-04	3.00e-04	0.0
132	68	0.02	-5.00e-03	-0.14	3.79e-05	-1.05e-04	0.0
132	74	1.57e-03	-0.02	-0.16	1.39e-04	1.30e-04	0.0
132	87	4.48e-04	-7.15e-04	-0.13	0.0	-7.51e-05	0.0
132	88	3.85e-04	-7.33e-04	-0.13	0.0	-7.50e-05	0.0
132	93	4.86e-04	-7.54e-04	-0.14	1.44e-05	-9.61e-05	0.0
132	95	3.40e-04	-7.94e-04	-0.14	1.45e-05	-9.58e-05	0.0
132	101	3.43e-04	-7.44e-04	-0.13	0.0	-7.49e-05	0.0

132	102	4.55e-04	-7.23e-04	-0.13	3.11e-06	-7.93e-05	0.0
132	104	3.92e-04	-7.40e-04	-0.13	3.15e-06	-7.92e-05	0.0
132	105	4.48e-04	-7.15e-04	-0.13	0.0	-7.51e-05	0.0
132	106	3.85e-04	-7.33e-04	-0.13	0.0	-7.50e-05	0.0
133	4	3.36e-04	-1.23e-03	-0.19	-5.45e-05	2.75e-04	0.0
133	9	6.89e-04	-1.15e-03	-0.19	-5.33e-05	2.85e-04	0.0
133	11	4.68e-04	-1.22e-03	-0.19	-5.27e-05	2.85e-04	0.0
133	36	0.03	-4.96e-03	-0.17	-4.76e-05	3.82e-04	0.0
133	42	-1.55e-03	-0.04	-0.25	7.13e-04	8.51e-04	0.0
133	68	0.02	-2.20e-03	-0.15	-4.65e-05	3.00e-04	0.0
133	74	1.66e-03	-0.02	-0.20	3.71e-04	5.57e-04	0.0
133	87	4.85e-04	-8.31e-04	-0.14	-4.44e-05	2.01e-04	0.0
133	88	4.22e-04	-8.52e-04	-0.14	-4.42e-05	2.01e-04	0.0
133	92	3.00e-04	-9.19e-04	-0.14	-4.26e-05	2.08e-04	0.0
133	93	5.35e-04	-8.68e-04	-0.14	-4.17e-05	2.15e-04	0.0
133	95	3.88e-04	-9.17e-04	-0.14	-4.14e-05	2.15e-04	0.0
133	101	3.80e-04	-8.66e-04	-0.14	-4.41e-05	2.01e-04	0.0
133	102	4.95e-04	-8.38e-04	-0.14	-4.39e-05	2.04e-04	0.0
133	104	4.32e-04	-8.59e-04	-0.14	-4.37e-05	2.04e-04	0.0
133	105	4.85e-04	-8.31e-04	-0.14	-4.44e-05	2.01e-04	0.0
133	106	4.22e-04	-8.52e-04	-0.14	-4.42e-05	2.01e-04	0.0
134	4	3.66e-04	-1.59e-03	-0.23	-5.28e-05	3.92e-04	0.0
134	9	7.24e-04	-1.49e-03	-0.24	-5.61e-05	4.18e-04	0.0
134	11	5.04e-04	-1.58e-03	-0.24	-5.52e-05	4.17e-04	0.0
134	36	0.03	-5.41e-03	-0.22	-4.40e-05	5.61e-04	0.0
134	40	0.01	-0.04	-0.36	1.08e-03	7.89e-04	0.0
134	42	-1.47e-03	-0.05	-0.34	1.22e-03	6.55e-04	0.0
134	68	0.02	-2.32e-03	-0.20	-4.27e-05	4.35e-04	0.0
134	72	9.60e-03	-0.02	-0.28	5.72e-04	5.61e-04	0.0
134	74	1.71e-03	-0.02	-0.26	6.50e-04	4.87e-04	0.0
134	87	5.02e-04	-1.09e-03	-0.17	-3.99e-05	2.80e-04	0.0
134	88	4.39e-04	-1.12e-03	-0.17	-3.96e-05	2.79e-04	0.0
134	92	3.22e-04	-1.19e-03	-0.18	-4.03e-05	2.95e-04	0.0
134	93	5.60e-04	-1.13e-03	-0.18	-4.25e-05	3.12e-04	0.0
134	95	4.14e-04	-1.19e-03	-0.18	-4.19e-05	3.12e-04	0.0
134	101	3.97e-04	-1.13e-03	-0.17	-3.95e-05	2.79e-04	0.0
134	102	5.14e-04	-1.10e-03	-0.18	-4.04e-05	2.86e-04	0.0
134	104	4.51e-04	-1.12e-03	-0.18	-4.02e-05	2.86e-04	0.0
134	105	5.02e-04	-1.09e-03	-0.17	-3.99e-05	2.80e-04	0.0
134	106	4.39e-04	-1.12e-03	-0.17	-3.96e-05	2.79e-04	0.0
135	9	2.19e-03	1.94e-03	-0.25	-2.80e-04	5.60e-05	0.0
135	11	2.05e-03	2.05e-03	-0.25	-2.80e-04	4.93e-05	0.0
135	35	0.03	0.01	-0.19	-1.91e-04	9.33e-05	0.0
135	47	0.02	0.04	-0.20	-2.82e-04	-4.56e-05	0.0
135	49	9.15e-03	0.04	-0.20	-2.92e-04	-1.02e-04	0.0
135	67	0.02	8.83e-03	-0.18	-1.82e-04	6.31e-05	0.0
135	79	0.02	0.03	-0.19	-2.36e-04	-1.85e-05	0.0
135	81	9.34e-03	0.03	-0.19	-2.41e-04	-4.94e-05	0.0
135	87	1.60e-03	1.39e-03	-0.18	-1.67e-04	3.30e-05	0.0
135	88	1.56e-03	1.42e-03	-0.18	-1.67e-04	3.11e-05	0.0
135	93	1.68e-03	1.46e-03	-0.19	-2.05e-04	4.14e-05	0.0
135	95	1.58e-03	1.54e-03	-0.19	-2.05e-04	3.69e-05	0.0
135	101	1.54e-03	1.44e-03	-0.18	-1.67e-04	2.98e-05	0.0
135	102	1.62e-03	1.40e-03	-0.18	-1.75e-04	3.47e-05	0.0
135	104	1.58e-03	1.44e-03	-0.18	-1.75e-04	3.27e-05	0.0
135	105	1.60e-03	1.39e-03	-0.18	-1.67e-04	3.30e-05	0.0
135	106	1.56e-03	1.42e-03	-0.18	-1.67e-04	3.11e-05	0.0
136	9	4.08e-04	1.30e-03	-0.22	3.08e-04	6.04e-06	0.0
136	11	1.66e-04	1.37e-03	-0.22	3.09e-04	4.23e-06	0.0
136	28	0.03	-6.58e-03	-0.17	2.34e-04	-1.24e-04	0.0
136	47	-6.39e-03	0.03	-0.15	1.13e-04	7.77e-05	0.0
136	52	0.02	-0.03	-0.17	2.70e-04	-1.31e-04	0.0
136	60	0.02	-5.17e-03	-0.16	2.12e-04	-6.88e-05	0.0
136	79	-6.66e-03	0.03	-0.16	1.42e-04	4.75e-05	0.0
136	80	0.02	-0.02	-0.17	2.34e-04	-7.58e-05	0.0
136	87	3.34e-04	9.26e-04	-0.16	1.83e-04	1.81e-06	0.0
136	88	2.65e-04	9.47e-04	-0.16	1.84e-04	1.30e-06	0.0
136	93	3.35e-04	9.78e-04	-0.17	2.26e-04	4.16e-06	0.0
136	95	1.74e-04	1.03e-03	-0.17	2.26e-04	2.96e-06	0.0
136	101	2.19e-04	9.62e-04	-0.16	1.84e-04	0.0	0.0
136	102	3.34e-04	9.36e-04	-0.16	1.92e-04	2.28e-06	0.0
136	105	3.34e-04	9.26e-04	-0.16	1.83e-04	1.81e-06	0.0
136	106	2.65e-04	9.47e-04	-0.16	1.84e-04	1.30e-06	0.0
137	9	3.77e-03	0.03	-0.32	-7.72e-05	6.33e-04	-1.77e-05
137	11	2.52e-03	0.03	-0.33	-8.01e-05	6.34e-04	-1.86e-05
137	32	0.27	8.27e-03	-0.20	1.70e-04	3.69e-04	-8.33e-05
137	49	-0.06	0.42	-0.30	-9.09e-04	3.71e-04	-7.11e-05
137	64	0.15	1.96e-03	-0.21	7.33e-05	3.86e-04	-4.70e-05
137	81	-0.03	0.28	-0.27	-5.60e-04	3.82e-04	-6.00e-05
137	87	2.84e-03	0.02	-0.22	-6.25e-05	4.00e-04	-1.24e-05

137	88	2.48e-03	0.02	-0.23	-6.33e-05	4.00e-04	-1.27e-05
137	93	2.97e-03	0.02	-0.24	-5.99e-05	4.68e-04	-1.33e-05
137	95	2.14e-03	0.02	-0.25	-6.18e-05	4.69e-04	-1.39e-05
137	101	2.24e-03	0.02	-0.23	-6.39e-05	4.01e-04	-1.28e-05
137	102	2.86e-03	0.02	-0.23	-6.20e-05	4.14e-04	-1.26e-05
137	104	2.51e-03	0.02	-0.23	-6.28e-05	4.14e-04	-1.29e-05
137	105	2.84e-03	0.02	-0.22	-6.25e-05	4.00e-04	-1.24e-05
137	106	2.48e-03	0.02	-0.23	-6.33e-05	4.00e-04	-1.27e-05
138	9	3.65e-03	0.03	-0.35	-8.60e-05	-9.10e-05	-1.50e-05
138	11	2.40e-03	0.03	-0.36	-9.01e-05	-8.92e-05	-1.59e-05
138	32	0.27	4.70e-03	-0.21	-2.29e-05	-1.83e-04	-8.29e-05
138	49	-0.06	0.41	-0.32	-8.71e-04	-8.48e-05	-7.55e-05
138	64	0.15	-8.23e-05	-0.23	-3.92e-05	-1.24e-04	-4.60e-05
138	81	-0.03	0.27	-0.29	-5.43e-04	-7.49e-05	-6.16e-05
138	87	2.76e-03	0.02	-0.24	-7.32e-05	-5.61e-05	-1.07e-05
138	88	2.41e-03	0.02	-0.25	-7.44e-05	-5.56e-05	-1.09e-05
138	93	2.89e-03	0.02	-0.26	-6.74e-05	-6.72e-05	-1.13e-05
138	95	2.05e-03	0.02	-0.27	-7.01e-05	-6.60e-05	-1.19e-05
138	101	2.17e-03	0.02	-0.25	-7.51e-05	-5.52e-05	-1.11e-05
138	102	2.79e-03	0.02	-0.25	-7.20e-05	-5.83e-05	-1.08e-05
138	104	2.43e-03	0.02	-0.25	-7.32e-05	-5.78e-05	-1.10e-05
138	105	2.76e-03	0.02	-0.24	-7.32e-05	-5.61e-05	-1.07e-05
138	106	2.41e-03	0.02	-0.25	-7.44e-05	-5.56e-05	-1.09e-05
139	9	3.52e-03	0.03	-0.30	-1.37e-04	-6.30e-04	-1.43e-05
139	11	2.26e-03	0.03	-0.31	-1.42e-04	-6.29e-04	-1.51e-05
139	32	0.27	1.07e-03	-0.17	-5.56e-05	-4.30e-04	-8.40e-05
139	49	-0.06	0.40	-0.28	-8.75e-04	-4.99e-04	-8.25e-05
139	64	0.15	-2.11e-03	-0.19	-7.38e-05	-4.11e-04	-4.64e-05
139	81	-0.03	0.27	-0.26	-5.60e-04	-4.53e-04	-6.52e-05
139	87	2.68e-03	0.02	-0.21	-1.07e-04	-3.96e-04	-1.02e-05
139	88	2.32e-03	0.02	-0.22	-1.08e-04	-3.96e-04	-1.04e-05
139	93	2.79e-03	0.02	-0.23	-1.05e-04	-4.66e-04	-1.08e-05
139	95	1.95e-03	0.02	-0.24	-1.09e-04	-4.65e-04	-1.13e-05
139	101	2.08e-03	0.02	-0.22	-1.09e-04	-3.96e-04	-1.06e-05
139	102	2.70e-03	0.02	-0.22	-1.07e-04	-4.10e-04	-1.03e-05
139	104	2.34e-03	0.02	-0.22	-1.08e-04	-4.10e-04	-1.05e-05
139	105	2.68e-03	0.02	-0.21	-1.07e-04	-3.96e-04	-1.02e-05
139	106	2.32e-03	0.02	-0.22	-1.08e-04	-3.96e-04	-1.04e-05
140	9	3.37e-03	0.02	-0.25	-1.96e-04	-2.10e-04	-1.46e-05
140	11	2.11e-03	0.03	-0.26	-2.02e-04	-2.12e-04	-1.54e-05
140	32	0.27	-2.42e-03	-0.16	5.20e-05	2.73e-04	-8.52e-05
140	49	-0.06	0.39	-0.24	-8.77e-04	-2.76e-04	-8.69e-05
140	64	0.15	-4.05e-03	-0.17	-3.21e-05	8.98e-05	-4.71e-05
140	81	-0.03	0.26	-0.22	-5.77e-04	-2.08e-04	-6.77e-05
140	87	2.58e-03	0.02	-0.18	-1.42e-04	-1.31e-04	-1.04e-05
140	88	2.22e-03	0.02	-0.18	-1.44e-04	-1.32e-04	-1.06e-05
140	93	2.68e-03	0.02	-0.19	-1.48e-04	-1.55e-04	-1.10e-05
140	95	1.84e-03	0.02	-0.19	-1.53e-04	-1.56e-04	-1.16e-05
140	101	1.98e-03	0.02	-0.18	-1.45e-04	-1.32e-04	-1.08e-05
140	102	2.60e-03	0.02	-0.18	-1.44e-04	-1.36e-04	-1.05e-05
140	105	2.58e-03	0.02	-0.18	-1.42e-04	-1.31e-04	-1.04e-05
140	106	2.22e-03	0.02	-0.18	-1.44e-04	-1.32e-04	-1.06e-05
141	9	3.36e-03	0.02	-0.25	-1.60e-04	5.04e-05	-1.41e-05
141	11	2.10e-03	0.02	-0.26	-1.66e-04	4.93e-05	-1.49e-05
141	32	0.27	-6.35e-03	-0.17	6.77e-05	-7.33e-05	-8.56e-05
141	49	-0.06	0.38	-0.24	-8.49e-04	6.92e-05	-8.84e-05
141	64	0.15	-6.24e-03	-0.17	-1.54e-05	-2.55e-05	-4.72e-05
141	81	-0.03	0.25	-0.22	-5.52e-04	5.15e-05	-6.84e-05
141	87	2.58e-03	0.02	-0.18	-1.23e-04	3.23e-05	-1.00e-05
141	88	2.21e-03	0.02	-0.18	-1.25e-04	3.20e-05	-1.03e-05
141	93	2.67e-03	0.02	-0.19	-1.22e-04	3.75e-05	-1.06e-05
141	95	1.83e-03	0.02	-0.19	-1.27e-04	3.67e-05	-1.11e-05
141	101	1.97e-03	0.02	-0.18	-1.27e-04	3.18e-05	-1.04e-05
141	102	2.59e-03	0.02	-0.18	-1.23e-04	3.34e-05	-1.01e-05
141	105	2.58e-03	0.02	-0.18	-1.23e-04	3.23e-05	-1.00e-05
141	106	2.21e-03	0.02	-0.18	-1.25e-04	3.20e-05	-1.03e-05
142	9	3.32e-03	0.02	-0.25	-1.65e-04	-3.74e-05	-1.38e-05
142	11	2.05e-03	0.02	-0.26	-1.72e-04	-3.88e-05	-1.46e-05
142	32	0.27	-0.01	-0.16	-5.90e-05	-8.76e-05	-8.78e-05
142	49	-0.06	0.38	-0.24	-7.84e-04	3.86e-06	-9.43e-05
142	64	0.15	-8.34e-03	-0.17	-8.72e-05	-5.85e-05	-4.83e-05
142	81	-0.03	0.25	-0.22	-5.17e-04	-9.25e-06	-7.16e-05
142	87	2.55e-03	0.02	-0.18	-1.28e-04	-2.32e-05	-9.87e-06
142	88	2.19e-03	0.02	-0.18	-1.29e-04	-2.36e-05	-1.01e-05
142	93	2.64e-03	0.02	-0.19	-1.27e-04	-2.75e-05	-1.04e-05
142	95	1.80e-03	0.02	-0.19	-1.31e-04	-2.84e-05	-1.09e-05
142	101	1.94e-03	0.02	-0.18	-1.31e-04	-2.39e-05	-1.03e-05
142	102	2.57e-03	0.02	-0.18	-1.27e-04	-2.41e-05	-9.98e-06
142	105	2.55e-03	0.02	-0.18	-1.28e-04	-2.32e-05	-9.87e-06
142	106	2.19e-03	0.02	-0.18	-1.29e-04	-2.36e-05	-1.01e-05

143	9	3.28e-03	0.02	-0.25	-2.00e-04	2.06e-04	-1.35e-05
143	11	2.01e-03	0.02	-0.26	-2.07e-04	2.03e-04	-1.43e-05
143	32	0.27	-0.01	-0.17	-5.88e-05	5.40e-04	-7.51e-06
143	49	-0.06	0.37	-0.24	-8.60e-04	-3.37e-06	-9.75e-05
143	64	0.15	-0.01	-0.17	-9.62e-05	3.55e-04	-4.08e-06
143	81	-0.03	0.24	-0.22	-5.67e-04	5.93e-05	-7.32e-05
143	87	2.52e-03	0.01	-0.18	-1.47e-04	1.31e-04	-9.69e-06
143	88	2.16e-03	0.02	-0.18	-1.49e-04	1.30e-04	-9.92e-06
143	93	2.61e-03	0.02	-0.19	-1.52e-04	1.52e-04	-1.02e-05
143	95	1.76e-03	0.02	-0.19	-1.56e-04	1.51e-04	-1.07e-05
143	101	1.92e-03	0.02	-0.18	-1.50e-04	1.30e-04	-1.01e-05
143	102	2.54e-03	0.01	-0.18	-1.48e-04	1.35e-04	-9.79e-06
143	105	2.52e-03	0.01	-0.18	-1.47e-04	1.31e-04	-9.69e-06
143	106	2.16e-03	0.02	-0.18	-1.49e-04	1.30e-04	-9.92e-06
144	9	1.87e-03	2.54e-03	-0.22	-5.14e-05	-4.73e-05	0.0
144	11	1.70e-03	2.69e-03	-0.22	-5.02e-05	-7.63e-05	0.0
144	35	0.03	0.01	-0.19	-5.49e-05	-2.87e-04	0.0
144	47	0.03	0.05	-0.23	-2.18e-04	-4.17e-04	0.0
144	49	9.55e-03	0.05	-0.22	-2.41e-04	-3.37e-04	0.0
144	67	0.02	0.01	-0.18	-4.42e-05	-1.90e-04	0.0
144	79	0.02	0.04	-0.20	-1.41e-04	-2.83e-04	0.0
144	81	9.67e-03	0.04	-0.20	-1.54e-04	-2.39e-04	0.0
144	87	1.38e-03	1.81e-03	-0.16	-2.42e-05	-4.44e-05	0.0
144	88	1.33e-03	1.86e-03	-0.16	-2.39e-05	-5.27e-05	0.0
144	93	1.43e-03	1.91e-03	-0.17	-3.63e-05	-3.61e-05	0.0
144	95	1.32e-03	2.01e-03	-0.17	-3.56e-05	-5.54e-05	0.0
144	101	1.30e-03	1.88e-03	-0.16	-2.37e-05	-5.82e-05	0.0
144	102	1.39e-03	1.83e-03	-0.16	-2.66e-05	-4.27e-05	0.0
144	104	1.34e-03	1.88e-03	-0.16	-2.63e-05	-5.10e-05	0.0
144	105	1.38e-03	1.81e-03	-0.16	-2.42e-05	-4.44e-05	0.0
144	106	1.33e-03	1.86e-03	-0.16	-2.39e-05	-5.27e-05	0.0
145	9	3.03e-03	0.02	-0.34	-1.17e-04	4.80e-06	-1.35e-05
145	11	1.75e-03	0.02	-0.35	-1.22e-04	0.0	-1.43e-05
145	32	0.27	-0.02	-0.24	9.22e-05	-1.70e-04	-7.00e-06
145	47	0.09	0.32	-0.31	-7.82e-04	3.42e-06	-7.25e-05
145	49	-0.06	0.35	-0.30	-8.22e-04	9.50e-05	-1.06e-04
145	64	0.15	-0.02	-0.24	9.12e-06	-9.38e-05	-3.79e-06
145	79	0.05	0.21	-0.28	-5.03e-04	6.42e-06	-5.96e-05
145	81	-0.03	0.22	-0.28	-5.24e-04	5.67e-05	-7.79e-05
145	87	2.36e-03	0.01	-0.24	-9.90e-05	3.44e-06	-9.68e-06
145	88	1.99e-03	0.01	-0.24	-1.01e-04	2.33e-06	-9.90e-06
145	93	2.43e-03	0.01	-0.26	-9.14e-05	3.91e-06	-1.02e-05
145	95	1.57e-03	0.01	-0.26	-9.49e-05	1.31e-06	-1.07e-05
145	101	1.75e-03	0.01	-0.24	-1.02e-04	1.58e-06	-1.01e-05
145	102	2.37e-03	0.01	-0.24	-9.75e-05	3.53e-06	-9.78e-06
145	104	2.01e-03	0.01	-0.25	-9.90e-05	2.42e-06	-1.00e-05
145	105	2.36e-03	0.01	-0.24	-9.90e-05	3.44e-06	-9.68e-06
145	106	1.99e-03	0.01	-0.24	-1.01e-04	2.33e-06	-9.90e-06
146	9	2.90e-03	0.02	-0.31	-1.29e-04	-5.57e-04	-1.30e-05
146	11	1.61e-03	0.02	-0.32	-1.34e-04	-5.61e-04	-1.37e-05
146	32	0.27	-0.03	-0.19	1.30e-05	-4.04e-04	-6.13e-06
146	49	-0.06	0.34	-0.29	-7.99e-04	-2.84e-04	-1.10e-04
146	64	0.15	-0.02	-0.20	-3.61e-05	-3.81e-04	-3.14e-06
146	81	-0.03	0.22	-0.26	-5.14e-04	-3.11e-04	-7.96e-05
146	87	2.27e-03	0.01	-0.22	-1.04e-04	-3.51e-04	-9.28e-06
146	88	1.90e-03	0.01	-0.22	-1.05e-04	-3.52e-04	-9.50e-06
146	93	2.33e-03	0.01	-0.23	-1.00e-04	-4.12e-04	-9.77e-06
146	95	1.47e-03	0.01	-0.24	-1.03e-04	-4.14e-04	-1.03e-05
146	101	1.66e-03	0.01	-0.22	-1.06e-04	-3.53e-04	-9.65e-06
146	102	2.28e-03	0.01	-0.22	-1.03e-04	-3.63e-04	-9.38e-06
146	104	1.91e-03	0.01	-0.22	-1.05e-04	-3.64e-04	-9.60e-06
146	105	2.27e-03	0.01	-0.22	-1.04e-04	-3.51e-04	-9.28e-06
146	106	1.90e-03	0.01	-0.22	-1.05e-04	-3.52e-04	-9.50e-06
147	9	2.76e-03	0.01	-0.25	-1.63e-04	-2.02e-04	-1.25e-05
147	11	1.46e-03	0.02	-0.26	-1.67e-04	-2.04e-04	-1.33e-05
147	32	0.28	-0.03	-0.18	8.76e-05	2.61e-04	-5.40e-06
147	47	0.09	0.30	-0.26	-8.39e-04	6.89e-05	-7.61e-05
147	49	-0.06	0.32	-0.25	-8.68e-04	-1.67e-04	-1.11e-04
147	64	0.15	-0.02	-0.18	-1.29e-06	8.51e-05	-2.62e-06
147	79	0.05	0.20	-0.23	-5.43e-04	-1.49e-05	-6.12e-05
147	81	-0.03	0.21	-0.23	-5.59e-04	-1.45e-04	-8.04e-05
147	87	2.18e-03	0.01	-0.18	-1.19e-04	-1.26e-04	-8.99e-06
147	88	1.81e-03	0.01	-0.18	-1.20e-04	-1.27e-04	-9.20e-06
147	93	2.22e-03	0.01	-0.19	-1.24e-04	-1.49e-04	-9.45e-06
147	95	1.36e-03	0.01	-0.19	-1.26e-04	-1.51e-04	-9.95e-06
147	101	1.56e-03	0.01	-0.18	-1.21e-04	-1.28e-04	-9.35e-06
147	102	2.19e-03	0.01	-0.18	-1.20e-04	-1.31e-04	-9.08e-06
147	105	2.18e-03	0.01	-0.18	-1.19e-04	-1.26e-04	-8.99e-06
147	106	1.81e-03	0.01	-0.18	-1.20e-04	-1.27e-04	-9.20e-06
148	9	2.67e-03	0.01	-0.25	-1.02e-04	-1.63e-05	-1.02e-05

148	11	1.37e-03	0.01	-0.25	-1.04e-04	-2.30e-05	-1.09e-05
148	32	0.28	-0.07	-0.19	1.30e-04	-1.99e-04	-3.43e-06
148	49	-0.06	0.31	-0.27	-8.02e-04	2.63e-04	-1.15e-04
148	51	0.09	0.30	-0.29	-7.85e-04	1.90e-04	-1.07e-04
148	64	0.15	-0.04	-0.18	4.23e-05	-1.17e-04	0.0
148	81	-0.03	0.20	-0.24	-5.01e-04	1.47e-04	-8.18e-05
148	83	0.06	0.19	-0.25	-4.92e-04	1.07e-04	-7.75e-05
148	87	2.11e-03	9.34e-03	-0.18	-7.70e-05	-9.54e-06	-7.46e-06
148	88	1.74e-03	9.54e-03	-0.18	-7.76e-05	-1.15e-05	-7.66e-06
148	93	2.15e-03	9.86e-03	-0.19	-7.79e-05	-1.14e-05	-7.69e-06
148	95	1.29e-03	0.01	-0.19	-7.92e-05	-1.59e-05	-8.17e-06
148	101	1.49e-03	9.68e-03	-0.18	-7.80e-05	-1.27e-05	-7.80e-06
148	102	2.12e-03	9.44e-03	-0.18	-7.72e-05	-9.91e-06	-7.51e-06
148	105	2.11e-03	9.34e-03	-0.18	-7.70e-05	-9.54e-06	-7.46e-06
148	106	1.74e-03	9.54e-03	-0.18	-7.76e-05	-1.15e-05	-7.66e-06
149	9	2.55e-03	0.01	-0.24	-1.08e-04	8.35e-05	-1.19e-05
149	11	1.25e-03	0.01	-0.25	-1.08e-04	7.11e-05	-1.28e-05
149	32	0.28	-0.07	-0.18	7.88e-05	1.84e-04	-1.02e-04
149	49	-0.06	0.30	-0.28	-7.75e-04	-5.19e-05	-1.01e-04
149	51	0.09	0.29	-0.30	-7.80e-04	2.41e-05	-9.34e-05
149	64	0.15	-0.04	-0.18	1.72e-05	1.23e-04	-5.56e-05
149	81	-0.03	0.19	-0.24	-4.82e-04	-1.40e-05	-7.45e-05
149	83	0.06	0.18	-0.25	-4.85e-04	2.77e-05	-7.04e-05
149	87	2.04e-03	8.48e-03	-0.18	-7.30e-05	4.93e-05	-8.63e-06
149	88	1.66e-03	8.66e-03	-0.18	-7.30e-05	4.58e-05	-8.90e-06
149	93	2.07e-03	8.98e-03	-0.18	-8.07e-05	6.19e-05	-8.97e-06
149	95	1.20e-03	9.41e-03	-0.19	-8.07e-05	5.36e-05	-9.61e-06
149	101	1.42e-03	8.79e-03	-0.18	-7.30e-05	4.34e-05	-9.09e-06
149	102	2.04e-03	8.58e-03	-0.18	-7.45e-05	5.18e-05	-8.70e-06
149	104	1.67e-03	8.77e-03	-0.18	-7.45e-05	4.83e-05	-8.97e-06
149	105	2.04e-03	8.48e-03	-0.18	-7.30e-05	4.93e-05	-8.63e-06
149	106	1.66e-03	8.66e-03	-0.18	-7.30e-05	4.58e-05	-8.90e-06
150	9	2.38e-03	9.95e-03	-0.27	-3.51e-05	8.01e-05	-1.42e-05
150	11	1.07e-03	0.01	-0.27	-3.56e-05	5.65e-05	-1.50e-05
150	32	0.28	-0.08	-0.19	2.08e-04	-3.78e-05	-1.14e-04
150	51	0.09	0.28	-0.28	-7.65e-04	-3.70e-04	-8.09e-05
150	53	-0.06	0.29	-0.27	-7.86e-04	-2.81e-04	-5.80e-05
150	64	0.15	-0.04	-0.19	1.05e-04	0.0	-6.31e-05
150	83	0.05	0.18	-0.25	-4.62e-04	-2.12e-04	-6.39e-05
150	85	-0.03	0.18	-0.24	-4.73e-04	-1.63e-04	-5.13e-05
150	87	1.92e-03	7.09e-03	-0.19	-3.66e-05	4.06e-05	-1.00e-05
150	88	1.55e-03	7.25e-03	-0.19	-3.67e-05	3.39e-05	-1.02e-05
150	93	1.94e-03	7.50e-03	-0.20	-2.90e-05	5.87e-05	-1.07e-05
150	95	1.07e-03	7.86e-03	-0.21	-2.93e-05	4.30e-05	-1.12e-05
150	101	1.30e-03	7.35e-03	-0.19	-3.68e-05	2.94e-05	-1.04e-05
150	102	1.93e-03	7.17e-03	-0.19	-3.51e-05	4.42e-05	-1.01e-05
150	104	1.55e-03	7.33e-03	-0.19	-3.52e-05	3.75e-05	-1.04e-05
150	105	1.92e-03	7.09e-03	-0.19	-3.66e-05	4.06e-05	-1.00e-05
150	106	1.55e-03	7.25e-03	-0.19	-3.67e-05	3.39e-05	-1.02e-05
151	9	2.24e-03	7.78e-03	-0.25	-1.40e-05	-1.01e-05	-1.19e-05
151	11	9.21e-04	8.20e-03	-0.25	-1.52e-05	-2.11e-05	-1.26e-05
151	32	0.28	-0.09	-0.18	2.65e-04	1.31e-04	-1.13e-04
151	47	0.09	0.27	-0.20	-8.22e-04	-1.80e-04	-5.03e-05
151	53	-0.06	0.28	-0.20	-8.27e-04	-2.39e-04	-5.89e-05
151	64	0.15	-0.05	-0.18	1.41e-04	6.84e-05	-6.14e-05
151	79	0.05	0.17	-0.19	-4.91e-04	-1.17e-04	-4.63e-05
151	85	-0.03	0.17	-0.19	-4.94e-04	-1.49e-04	-5.09e-05
151	87	1.83e-03	5.56e-03	-0.18	-2.69e-05	-1.14e-05	-8.47e-06
151	88	1.45e-03	5.68e-03	-0.18	-2.73e-05	-1.46e-05	-8.66e-06
151	93	1.84e-03	5.87e-03	-0.19	-1.41e-05	-7.76e-06	-8.97e-06
151	95	9.58e-04	6.15e-03	-0.19	-1.50e-05	-1.51e-05	-9.42e-06
151	101	1.20e-03	5.76e-03	-0.18	-2.75e-05	-1.67e-05	-8.79e-06
151	102	1.83e-03	5.62e-03	-0.18	-2.44e-05	-1.07e-05	-8.57e-06
151	104	1.45e-03	5.74e-03	-0.18	-2.47e-05	-1.38e-05	-8.76e-06
151	105	1.83e-03	5.56e-03	-0.18	-2.69e-05	-1.14e-05	-8.47e-06
151	106	1.45e-03	5.68e-03	-0.18	-2.73e-05	-1.46e-05	-8.66e-06
152	9	7.72e-04	6.36e-04	-0.18	2.58e-04	-1.01e-04	0.0
152	11	5.57e-04	6.72e-04	-0.18	2.58e-04	-1.00e-04	0.0
152	31	0.02	5.47e-03	-0.14	1.83e-04	-8.61e-05	0.0
152	36	0.03	-7.16e-03	-0.13	1.89e-04	-7.95e-05	0.0
152	45	-0.01	0.02	-0.13	1.38e-04	-7.23e-05	0.0
152	68	0.02	-4.80e-03	-0.13	1.73e-04	-7.28e-05	0.0
152	75	8.74e-04	0.02	-0.13	1.55e-04	-7.48e-05	0.0
152	77	-7.29e-03	0.02	-0.13	1.45e-04	-6.91e-05	0.0
152	87	5.85e-04	4.54e-04	-0.13	1.55e-04	-6.49e-05	0.0
152	88	5.23e-04	4.65e-04	-0.13	1.55e-04	-6.47e-05	0.0
152	93	6.06e-04	4.79e-04	-0.14	1.89e-04	-7.51e-05	0.0
152	95	4.63e-04	5.03e-04	-0.14	1.89e-04	-7.46e-05	0.0
152	101	4.83e-04	4.71e-04	-0.13	1.55e-04	-6.46e-05	0.0
152	102	5.89e-04	4.59e-04	-0.13	1.62e-04	-6.70e-05	0.0

152	105	5.85e-04	4.54e-04	-0.13	1.55e-04	-6.49e-05	0.0
152	106	5.23e-04	4.65e-04	-0.13	1.55e-04	-6.47e-05	0.0
153	4	-9.03e-04	-5.80e-04	-0.14	-2.80e-04	6.29e-04	0.0
153	9	-1.42e-03	-5.52e-04	-0.14	-2.70e-04	6.15e-04	0.0
153	11	-1.08e-03	-5.79e-04	-0.14	-2.82e-04	6.34e-04	0.0
153	34	-0.03	3.66e-04	-0.09	-1.36e-04	3.67e-04	0.0
153	50	-9.59e-03	-3.19e-03	-0.08	1.66e-05	3.63e-04	0.0
153	51	8.03e-03	1.51e-03	-0.13	-4.13e-04	5.33e-04	0.0
153	66	-0.02	-2.39e-03	-0.10	-1.60e-04	4.05e-04	0.0
153	82	-6.57e-03	-0.01	-0.09	-6.69e-05	3.99e-04	0.0
153	83	4.71e-03	8.89e-03	-0.12	-3.30e-04	5.08e-04	0.0
153	87	-1.08e-03	-4.05e-04	-0.10	-1.96e-04	4.48e-04	0.0
153	88	-9.83e-04	-4.13e-04	-0.10	-1.99e-04	4.53e-04	0.0
153	92	-7.69e-04	-4.37e-04	-0.11	-2.11e-04	4.75e-04	0.0
153	93	-1.12e-03	-4.19e-04	-0.11	-2.04e-04	4.67e-04	0.0
153	95	-8.85e-04	-4.36e-04	-0.11	-2.12e-04	4.79e-04	0.0
153	101	-9.17e-04	-4.18e-04	-0.11	-2.01e-04	4.57e-04	0.0
153	102	-1.09e-03	-4.08e-04	-0.10	-1.97e-04	4.52e-04	0.0
153	105	-1.08e-03	-4.05e-04	-0.10	-1.96e-04	4.48e-04	0.0
153	106	-9.83e-04	-4.13e-04	-0.10	-1.99e-04	4.53e-04	0.0
154	4	-1.30e-03	8.03e-03	-0.24	1.65e-04	-4.29e-06	-6.06e-06
154	11	-1.10e-03	8.07e-03	-0.25	1.66e-04	-3.07e-06	-6.02e-06
154	35	0.04	0.05	-0.20	-3.72e-06	3.15e-05	-4.07e-05
154	47	0.03	0.12	-0.24	-3.88e-04	5.29e-05	-7.13e-05
154	49	7.71e-03	0.13	-0.23	-4.34e-04	3.68e-05	-8.71e-05
154	70	-0.02	-0.03	-0.16	1.76e-04	-2.39e-05	2.08e-05
154	79	0.02	0.09	-0.21	-1.59e-04	3.27e-05	-5.68e-05
154	81	7.63e-03	0.10	-0.21	-1.84e-04	2.39e-05	-6.55e-05
154	88	-4.68e-04	5.51e-03	-0.18	1.13e-04	0.0	-4.10e-06
154	92	-8.61e-04	6.00e-03	-0.18	1.23e-04	-2.46e-06	-4.51e-06
154	95	-7.27e-04	6.02e-03	-0.19	1.24e-04	-1.65e-06	-4.48e-06
154	101	-5.74e-04	5.60e-03	-0.18	1.15e-04	0.0	-4.19e-06
154	106	-4.68e-04	5.51e-03	-0.18	1.13e-04	0.0	-4.10e-06
155	9	1.10e-03	1.65e-03	-0.17	1.55e-04	-6.67e-05	0.0
155	11	8.84e-04	1.74e-03	-0.17	1.56e-04	-7.48e-05	0.0
155	36	0.03	-0.01	-0.13	1.01e-04	-9.15e-05	0.0
155	47	2.71e-03	0.04	-0.12	5.19e-05	-3.64e-06	0.0
155	48	0.01	-0.04	-0.13	1.35e-04	-1.05e-04	0.0
155	68	0.02	-8.69e-03	-0.13	1.00e-04	-7.14e-05	0.0
155	79	6.23e-04	0.03	-0.13	6.89e-05	-1.90e-05	0.0
155	80	9.27e-03	-0.03	-0.13	1.21e-04	-8.15e-05	0.0
155	87	8.25e-04	1.18e-03	-0.13	9.60e-05	-4.27e-05	0.0
155	88	7.65e-04	1.20e-03	-0.13	9.62e-05	-4.50e-05	0.0
155	93	8.53e-04	1.24e-03	-0.13	1.14e-04	-4.89e-05	0.0
155	95	7.13e-04	1.30e-03	-0.13	1.15e-04	-5.43e-05	0.0
155	101	7.24e-04	1.22e-03	-0.13	9.64e-05	-4.65e-05	0.0
155	102	8.30e-04	1.19e-03	-0.13	9.96e-05	-4.39e-05	0.0
155	104	7.70e-04	1.22e-03	-0.13	9.98e-05	-4.62e-05	0.0
155	105	8.25e-04	1.18e-03	-0.13	9.60e-05	-4.27e-05	0.0
155	106	7.65e-04	1.20e-03	-0.13	9.62e-05	-4.50e-05	0.0
156	9	-2.23e-03	-1.49e-03	-0.18	-2.27e-04	-4.38e-04	0.0
156	11	-2.11e-03	-1.59e-03	-0.19	-2.37e-04	-4.61e-04	0.0
156	34	-0.03	-0.02	-0.17	-3.08e-04	-4.42e-04	0.0
156	48	4.87e-03	-0.05	-0.16	-5.78e-04	-4.48e-04	0.0
156	54	-9.72e-03	-0.05	-0.18	-6.30e-04	-5.03e-04	0.0
156	66	-0.02	-0.02	-0.16	-2.57e-04	-3.95e-04	0.0
156	80	1.93e-03	-0.05	-0.15	-4.28e-04	-4.07e-04	0.0
156	86	-6.04e-03	-0.05	-0.16	-4.57e-04	-4.38e-04	0.0
156	87	-1.61e-03	-1.05e-03	-0.13	-1.67e-04	-3.18e-04	0.0
156	88	-1.57e-03	-1.08e-03	-0.14	-1.70e-04	-3.25e-04	0.0
156	93	-1.70e-03	-1.12e-03	-0.14	-1.72e-04	-3.31e-04	0.0
156	95	-1.62e-03	-1.19e-03	-0.14	-1.79e-04	-3.47e-04	0.0
156	101	-1.55e-03	-1.10e-03	-0.14	-1.72e-04	-3.29e-04	0.0
156	102	-1.63e-03	-1.07e-03	-0.13	-1.68e-04	-3.21e-04	0.0
156	105	-1.61e-03	-1.05e-03	-0.13	-1.67e-04	-3.18e-04	0.0
156	106	-1.57e-03	-1.08e-03	-0.14	-1.70e-04	-3.25e-04	0.0
157	9	-2.16e-03	-1.43e-03	-0.16	-1.93e-04	-4.87e-04	0.0
157	11	-2.03e-03	-1.52e-03	-0.17	-2.02e-04	-5.12e-04	0.0
157	34	-0.03	-0.01	-0.15	-2.74e-04	-4.81e-04	0.0
157	48	4.92e-03	-0.05	-0.15	-5.11e-04	-4.72e-04	0.0
157	54	-9.67e-03	-0.04	-0.16	-5.60e-04	-5.30e-04	0.0
157	66	-0.02	-0.01	-0.14	-2.25e-04	-4.32e-04	0.0
157	80	1.98e-03	-0.05	-0.14	-3.75e-04	-4.36e-04	0.0
157	86	-5.99e-03	-0.04	-0.15	-4.02e-04	-4.68e-04	0.0
157	87	-1.56e-03	-1.01e-03	-0.12	-1.42e-04	-3.53e-04	0.0
157	88	-1.52e-03	-1.04e-03	-0.12	-1.44e-04	-3.61e-04	0.0
157	93	-1.65e-03	-1.07e-03	-0.12	-1.47e-04	-3.68e-04	0.0
157	95	-1.56e-03	-1.14e-03	-0.13	-1.52e-04	-3.85e-04	0.0
157	101	-1.50e-03	-1.05e-03	-0.12	-1.46e-04	-3.66e-04	0.0
157	102	-1.58e-03	-1.02e-03	-0.12	-1.43e-04	-3.56e-04	0.0

157	105	-1.56e-03	-1.01e-03	-0.12	-1.42e-04	-3.53e-04	0.0
157	106	-1.52e-03	-1.04e-03	-0.12	-1.44e-04	-3.61e-04	0.0
158	9	-2.05e-03	-1.13e-03	-0.11	-9.08e-05	-5.35e-04	0.0
158	11	-1.91e-03	-1.20e-03	-0.11	-9.46e-05	-5.63e-04	0.0
158	34	-0.03	-0.01	-0.10	-1.23e-04	-5.10e-04	0.0
158	48	5.00e-03	-0.04	-0.09	-2.46e-04	-5.01e-04	0.0
158	54	-9.58e-03	-0.04	-0.10	-2.41e-04	-5.56e-04	0.0
158	66	-0.02	-0.01	-0.09	-1.03e-04	-4.64e-04	0.0
158	80	2.06e-03	-0.04	-0.09	-1.82e-04	-4.67e-04	0.0
158	86	-5.91e-03	-0.04	-0.09	-1.79e-04	-4.98e-04	0.0
158	87	-1.48e-03	-7.98e-04	-0.08	-6.70e-05	-3.89e-04	0.0
158	88	-1.44e-03	-8.19e-04	-0.08	-6.80e-05	-3.97e-04	0.0
158	93	-1.57e-03	-8.49e-04	-0.08	-6.90e-05	-4.05e-04	0.0
158	95	-1.47e-03	-8.98e-04	-0.08	-7.15e-05	-4.24e-04	0.0
158	101	-1.41e-03	-8.33e-04	-0.08	-6.87e-05	-4.02e-04	0.0
158	102	-1.50e-03	-8.09e-04	-0.08	-6.74e-05	-3.92e-04	0.0
158	105	-1.48e-03	-7.98e-04	-0.08	-6.70e-05	-3.89e-04	0.0
158	106	-1.44e-03	-8.19e-04	-0.08	-6.80e-05	-3.97e-04	0.0
159	9	-2.02e-03	-8.99e-04	-0.06	-1.83e-05	-3.15e-04	0.0
159	11	-1.87e-03	-9.56e-04	-0.06	-1.87e-05	-3.31e-04	0.0
159	34	-0.03	-0.01	-0.05	-1.18e-05	-3.03e-04	0.0
159	38	-0.03	-0.02	-0.05	-1.42e-05	-3.11e-04	0.0
159	48	5.07e-03	-0.04	-0.05	-4.44e-05	-2.73e-04	0.0
159	66	-0.02	-0.01	-0.05	-1.54e-05	-2.74e-04	0.0
159	70	-0.01	-0.02	-0.05	-1.68e-05	-2.78e-04	0.0
159	80	2.09e-03	-0.04	-0.05	-3.98e-05	-2.62e-04	0.0
159	87	-1.45e-03	-6.36e-04	-0.04	-1.38e-05	-2.28e-04	0.0
159	88	-1.41e-03	-6.52e-04	-0.05	-1.39e-05	-2.33e-04	0.0
159	93	-1.54e-03	-6.76e-04	-0.05	-1.40e-05	-2.38e-04	0.0
159	95	-1.45e-03	-7.14e-04	-0.05	-1.43e-05	-2.49e-04	0.0
159	101	-1.39e-03	-6.63e-04	-0.05	-1.40e-05	-2.36e-04	0.0
159	102	-1.47e-03	-6.44e-04	-0.04	-1.39e-05	-2.30e-04	0.0
159	105	-1.45e-03	-6.36e-04	-0.04	-1.38e-05	-2.28e-04	0.0
159	106	-1.41e-03	-6.52e-04	-0.05	-1.39e-05	-2.33e-04	0.0
160	9	-1.96e-03	-7.32e-04	-0.04	2.32e-06	-1.19e-04	0.0
160	11	-1.80e-03	-7.76e-04	-0.04	2.73e-06	-1.25e-04	0.0
160	34	-0.03	-8.97e-03	-0.03	2.33e-06	-1.09e-04	0.0
160	48	5.14e-03	-0.03	-0.03	-6.32e-06	-8.81e-05	0.0
160	54	-9.50e-03	-0.03	-0.03	-3.58e-06	-1.00e-04	0.0
160	66	-0.02	-0.01	-0.03	0.0	-1.00e-04	0.0
160	70	-0.01	-0.01	-0.03	0.0	-1.01e-04	0.0
160	80	2.14e-03	-0.03	-0.03	-1.00e-05	-9.08e-05	0.0
160	87	-1.41e-03	-5.20e-04	-0.03	1.35e-06	-8.61e-05	0.0
160	88	-1.37e-03	-5.32e-04	-0.03	1.47e-06	-8.79e-05	0.0
160	93	-1.50e-03	-5.51e-04	-0.03	1.66e-06	-8.98e-05	0.0
160	95	-1.39e-03	-5.80e-04	-0.03	1.94e-06	-9.40e-05	0.0
160	101	-1.34e-03	-5.41e-04	-0.03	1.55e-06	-8.91e-05	0.0
160	102	-1.43e-03	-5.26e-04	-0.03	1.42e-06	-8.69e-05	0.0
160	105	-1.41e-03	-5.20e-04	-0.03	1.35e-06	-8.61e-05	0.0
160	106	-1.37e-03	-5.32e-04	-0.03	1.47e-06	-8.79e-05	0.0
161	9	-1.87e-03	-5.95e-04	-0.03	6.72e-06	-2.51e-05	0.0
161	11	-1.70e-03	-6.29e-04	-0.03	7.26e-06	-2.65e-05	0.0
161	34	-0.03	-7.37e-03	-0.02	5.83e-06	-2.26e-05	0.0
161	47	6.71e-03	0.02	-0.03	7.48e-06	-1.19e-05	0.0
161	48	5.23e-03	-0.02	-0.02	0.0	-2.21e-05	0.0
161	66	-0.01	-8.89e-03	-0.02	3.28e-06	-2.10e-05	0.0
161	79	3.11e-03	0.02	-0.02	1.33e-05	-1.50e-05	0.0
161	80	2.21e-03	-0.03	-0.02	-5.31e-06	-2.13e-05	0.0
161	87	-1.35e-03	-4.25e-04	-0.02	4.64e-06	-1.82e-05	0.0
161	88	-1.31e-03	-4.34e-04	-0.02	4.80e-06	-1.86e-05	0.0
161	93	-1.43e-03	-4.48e-04	-0.02	5.02e-06	-1.90e-05	0.0
161	95	-1.32e-03	-4.71e-04	-0.02	5.38e-06	-1.99e-05	0.0
161	101	-1.27e-03	-4.41e-04	-0.02	4.90e-06	-1.89e-05	0.0
161	102	-1.37e-03	-4.29e-04	-0.02	4.72e-06	-1.84e-05	0.0
161	105	-1.35e-03	-4.25e-04	-0.02	4.64e-06	-1.82e-05	0.0
161	106	-1.31e-03	-4.34e-04	-0.02	4.80e-06	-1.86e-05	0.0
162	9	-1.77e-03	-4.88e-04	-0.03	6.48e-06	1.96e-06	0.0
162	11	-1.58e-03	-5.14e-04	-0.03	6.96e-06	2.06e-06	0.0
162	34	-0.03	-6.02e-03	-0.02	5.20e-06	2.80e-06	0.0
162	48	5.32e-03	-0.02	-0.02	0.0	4.66e-06	0.0
162	51	6.94e-03	0.02	-0.03	7.39e-06	-1.92e-06	0.0
162	66	-0.01	-7.80e-03	-0.02	2.88e-06	2.20e-06	0.0
162	80	2.29e-03	-0.03	-0.02	-5.00e-06	3.17e-06	0.0
162	83	3.26e-03	0.02	-0.02	1.32e-05	0.0	0.0
162	87	-1.29e-03	-3.51e-04	-0.02	4.52e-06	1.41e-06	0.0
162	88	-1.23e-03	-3.58e-04	-0.02	4.66e-06	1.44e-06	0.0
162	93	-1.36e-03	-3.69e-04	-0.02	4.85e-06	1.48e-06	0.0
162	95	-1.23e-03	-3.85e-04	-0.02	5.17e-06	1.55e-06	0.0
162	101	-1.20e-03	-3.63e-04	-0.02	4.75e-06	1.46e-06	0.0
162	102	-1.30e-03	-3.54e-04	-0.02	4.59e-06	1.42e-06	0.0

162	105	-1.29e-03	-3.51e-04	-0.02	4.52e-06	1.41e-06	0.0
162	106	-1.23e-03	-3.58e-04	-0.02	4.66e-06	1.44e-06	0.0
163	9	-1.66e-03	-3.98e-04	-0.03	5.17e-06	3.08e-06	0.0
163	11	-1.44e-03	-4.17e-04	-0.03	5.54e-06	3.32e-06	0.0
163	34	-0.03	-4.81e-03	-0.02	3.73e-06	3.76e-06	0.0
163	47	6.90e-03	0.01	-0.03	7.06e-06	0.0	0.0
163	48	5.41e-03	-0.02	-0.02	-1.48e-06	3.44e-06	0.0
163	66	-0.01	-6.81e-03	-0.02	1.72e-06	3.14e-06	0.0
163	79	3.27e-03	0.02	-0.02	1.24e-05	1.23e-06	0.0
163	80	2.37e-03	-0.02	-0.02	-5.97e-06	3.01e-06	0.0
163	87	-1.22e-03	-2.88e-04	-0.02	3.61e-06	2.24e-06	0.0
163	88	-1.15e-03	-2.93e-04	-0.02	3.72e-06	2.31e-06	0.0
163	93	-1.28e-03	-3.01e-04	-0.02	3.87e-06	2.33e-06	0.0
163	95	-1.13e-03	-3.13e-04	-0.02	4.12e-06	2.49e-06	0.0
163	101	-1.11e-03	-2.97e-04	-0.02	3.79e-06	2.36e-06	0.0
163	102	-1.23e-03	-2.90e-04	-0.02	3.66e-06	2.26e-06	0.0
163	105	-1.22e-03	-2.88e-04	-0.02	3.61e-06	2.24e-06	0.0
163	106	-1.15e-03	-2.93e-04	-0.02	3.72e-06	2.31e-06	0.0
164	4	-1.16e-03	-3.34e-04	-0.03	3.90e-06	-5.23e-06	0.0
164	9	-1.55e-03	-3.23e-04	-0.03	3.66e-06	-5.24e-06	0.0
164	11	-1.31e-03	-3.36e-04	-0.03	3.93e-06	-5.34e-06	0.0
164	34	-0.03	-3.75e-03	-0.02	1.60e-06	-2.45e-06	0.0
164	48	5.50e-03	-0.01	-0.02	-6.68e-06	-2.87e-06	0.0
164	49	-7.58e-03	0.01	-0.02	1.18e-05	-4.50e-06	0.0
164	66	-0.01	-5.92e-03	-0.02	0.0	-3.05e-06	0.0
164	80	2.46e-03	-0.02	-0.02	-8.90e-06	-3.27e-06	0.0
164	81	-4.60e-03	0.02	-0.02	1.42e-05	-4.33e-06	0.0
164	87	-1.14e-03	-2.35e-04	-0.02	2.55e-06	-3.78e-06	0.0
164	88	-1.07e-03	-2.39e-04	-0.02	2.63e-06	-3.80e-06	0.0
164	92	-9.38e-04	-2.52e-04	-0.02	2.90e-06	-3.96e-06	0.0
164	93	-1.20e-03	-2.44e-04	-0.02	2.74e-06	-3.97e-06	0.0
164	95	-1.04e-03	-2.53e-04	-0.02	2.92e-06	-4.03e-06	0.0
164	101	-1.03e-03	-2.41e-04	-0.02	2.68e-06	-3.82e-06	0.0
164	102	-1.15e-03	-2.37e-04	-0.02	2.59e-06	-3.81e-06	0.0
164	105	-1.14e-03	-2.35e-04	-0.02	2.55e-06	-3.78e-06	0.0
164	106	-1.07e-03	-2.39e-04	-0.02	2.63e-06	-3.80e-06	0.0
165	4	-1.01e-03	-2.60e-04	-0.03	2.11e-06	-1.01e-05	0.0
165	9	-1.44e-03	-2.53e-04	-0.03	1.98e-06	-9.91e-06	0.0
165	11	-1.17e-03	-2.61e-04	-0.03	2.13e-06	-1.03e-05	0.0
165	34	-0.03	-2.78e-03	-0.02	1.49e-05	-6.23e-06	0.0
165	48	5.58e-03	-0.01	-0.02	4.21e-05	-7.32e-06	0.0
165	53	-7.62e-03	7.28e-03	-0.02	-3.94e-05	-7.33e-06	0.0
165	66	-0.01	-5.07e-03	-0.02	7.08e-06	-6.68e-06	0.0
165	69	-0.01	2.96e-03	-0.02	-2.44e-06	-6.77e-06	0.0
165	80	2.53e-03	-0.02	-0.02	1.79e-05	-7.21e-06	0.0
165	87	-1.07e-03	-1.86e-04	-0.02	1.36e-06	-7.15e-06	0.0
165	88	-9.94e-04	-1.89e-04	-0.02	1.41e-06	-7.25e-06	0.0
165	92	-8.35e-04	-1.97e-04	-0.02	1.57e-06	-7.65e-06	0.0
165	93	-1.12e-03	-1.92e-04	-0.02	1.47e-06	-7.50e-06	0.0
165	95	-9.37e-04	-1.98e-04	-0.02	1.58e-06	-7.73e-06	0.0
165	101	-9.42e-04	-1.90e-04	-0.02	1.44e-06	-7.31e-06	0.0
165	102	-1.08e-03	-1.88e-04	-0.02	1.38e-06	-7.22e-06	0.0
165	105	-1.07e-03	-1.86e-04	-0.02	1.36e-06	-7.15e-06	0.0
165	106	-9.94e-04	-1.89e-04	-0.02	1.41e-06	-7.25e-06	0.0
166	4	-9.16e-04	-2.03e-04	-0.03	0.0	1.43e-05	0.0
166	9	-1.37e-03	-1.99e-04	-0.03	0.0	1.40e-05	0.0
166	11	-1.07e-03	-2.03e-04	-0.03	0.0	1.44e-05	0.0
166	34	-0.03	-2.10e-03	-0.02	1.61e-05	9.95e-06	0.0
166	46	-9.47e-03	7.16e-04	-0.02	4.48e-05	9.88e-06	0.0
166	48	5.64e-03	-7.85e-03	-0.02	5.43e-05	1.01e-05	0.0
166	66	-0.01	-4.42e-03	-0.02	7.67e-06	1.02e-05	0.0
166	80	2.58e-03	-0.02	-0.02	2.56e-05	1.05e-05	0.0
166	87	-1.03e-03	-1.48e-04	-0.02	0.0	1.02e-05	0.0
166	88	-9.43e-04	-1.50e-04	-0.02	0.0	1.04e-05	0.0
166	92	-7.66e-04	-1.54e-04	-0.02	0.0	1.08e-05	0.0
166	93	-1.07e-03	-1.52e-04	-0.02	0.0	1.06e-05	0.0
166	95	-8.71e-04	-1.55e-04	-0.02	0.0	1.09e-05	0.0
166	101	-8.86e-04	-1.51e-04	-0.02	0.0	1.04e-05	0.0
166	102	-1.04e-03	-1.49e-04	-0.02	0.0	1.03e-05	0.0
166	105	-1.03e-03	-1.48e-04	-0.02	0.0	1.02e-05	0.0
166	106	-9.43e-04	-1.50e-04	-0.02	0.0	1.04e-05	0.0
167	9	-1.35e-03	-1.46e-04	-0.04	-1.32e-06	1.07e-04	0.0
167	11	-1.03e-03	-1.48e-04	-0.04	-1.38e-06	1.11e-04	0.0
167	34	-0.03	-1.60e-03	-0.03	1.82e-05	7.02e-05	0.0
167	44	5.38e-03	1.92e-03	-0.03	4.96e-05	8.07e-05	0.0
167	48	5.65e-03	-5.77e-03	-0.03	6.93e-05	8.07e-05	0.0
167	64	0.01	-1.80e-03	-0.03	4.83e-06	8.41e-05	0.0
167	66	-0.01	-3.84e-03	-0.03	9.03e-06	7.45e-05	0.0
167	80	2.59e-03	-0.01	-0.03	3.56e-05	8.09e-05	0.0
167	87	-1.02e-03	-1.11e-04	-0.03	0.0	7.82e-05	0.0

167	88	-9.28e-04	-1.12e-04	-0.03	0.0	7.92e-05	0.0
167	93	-1.05e-03	-1.12e-04	-0.03	-1.01e-06	8.14e-05	0.0
167	95	-8.45e-04	-1.13e-04	-0.03	-1.04e-06	8.37e-05	0.0
167	101	-8.68e-04	-1.12e-04	-0.03	-1.00e-06	7.99e-05	0.0
167	102	-1.02e-03	-1.12e-04	-0.03	0.0	7.89e-05	0.0
167	105	-1.02e-03	-1.11e-04	-0.03	0.0	7.82e-05	0.0
167	106	-9.28e-04	-1.12e-04	-0.03	0.0	7.92e-05	0.0
168	1	-1.35e-03	-9.97e-05	-0.06	-3.35e-06	3.13e-04	0.0
168	9	-1.41e-03	-9.77e-05	-0.06	-3.54e-06	3.28e-04	0.0
168	11	-1.09e-03	-9.64e-05	-0.06	-3.72e-06	3.38e-04	0.0
168	34	-0.03	1.52e-03	-0.04	2.27e-05	2.10e-04	0.0
168	36	0.02	-2.55e-03	-0.05	1.94e-05	2.72e-04	0.0
168	50	-8.89e-03	-4.17e-03	-0.04	8.72e-05	2.31e-04	0.0
168	66	-0.01	-1.90e-03	-0.04	1.20e-05	2.25e-04	0.0
168	68	0.01	-4.14e-03	-0.04	1.01e-05	2.59e-04	0.0
168	82	-5.38e-03	-0.01	-0.04	4.87e-05	2.38e-04	0.0
168	87	-1.06e-03	-7.70e-05	-0.04	-2.55e-06	2.39e-04	0.0
168	88	-9.73e-04	-7.66e-05	-0.04	-2.60e-06	2.42e-04	0.0
168	89	-1.06e-03	-7.70e-05	-0.04	-2.55e-06	2.39e-04	0.0
168	93	-1.10e-03	-7.57e-05	-0.04	-2.67e-06	2.48e-04	0.0
168	95	-8.88e-04	-7.48e-05	-0.04	-2.79e-06	2.55e-04	0.0
168	100	-1.06e-03	-7.70e-05	-0.04	-2.55e-06	2.39e-04	0.0
168	101	-9.11e-04	-7.63e-05	-0.04	-2.64e-06	2.44e-04	0.0
168	102	-1.07e-03	-7.67e-05	-0.04	-2.57e-06	2.41e-04	0.0
168	105	-1.06e-03	-7.70e-05	-0.04	-2.55e-06	2.39e-04	0.0
168	106	-9.73e-04	-7.66e-05	-0.04	-2.60e-06	2.42e-04	0.0
169	4	4.11e-04	-1.61e-03	-0.25	-4.91e-05	3.76e-04	0.0
169	9	7.71e-04	-1.50e-03	-0.25	-5.27e-05	4.02e-04	0.0
169	11	5.51e-04	-1.60e-03	-0.25	-5.17e-05	4.02e-04	0.0
169	36	0.03	-5.45e-03	-0.24	-4.13e-05	5.66e-04	0.0
169	40	0.01	-0.04	-0.39	1.21e-03	6.45e-04	0.0
169	42	-1.44e-03	-0.05	-0.36	1.37e-03	4.95e-04	0.0
169	68	0.02	-2.27e-03	-0.22	-3.99e-05	4.32e-04	0.0
169	72	9.63e-03	-0.02	-0.30	6.48e-04	4.76e-04	0.0
169	74	1.74e-03	-0.02	-0.28	7.35e-04	3.94e-04	0.0
169	87	5.35e-04	-1.10e-03	-0.19	-3.68e-05	2.68e-04	0.0
169	88	4.72e-04	-1.13e-03	-0.19	-3.66e-05	2.68e-04	0.0
169	92	3.56e-04	-1.21e-03	-0.19	-3.74e-05	2.83e-04	0.0
169	93	5.96e-04	-1.14e-03	-0.19	-3.98e-05	3.01e-04	0.0
169	95	4.49e-04	-1.20e-03	-0.19	-3.92e-05	3.00e-04	0.0
169	101	4.30e-04	-1.15e-03	-0.19	-3.64e-05	2.67e-04	0.0
169	102	5.47e-04	-1.11e-03	-0.19	-3.74e-05	2.74e-04	0.0
169	104	4.84e-04	-1.14e-03	-0.19	-3.72e-05	2.74e-04	0.0
169	105	5.35e-04	-1.10e-03	-0.19	-3.68e-05	2.68e-04	0.0
169	106	4.72e-04	-1.13e-03	-0.19	-3.66e-05	2.68e-04	0.0
170	1	1.16e-03	3.86e-04	-0.15	0.0	5.84e-06	0.0
170	9	1.22e-03	4.09e-04	-0.15	0.0	6.63e-06	0.0
170	11	1.04e-03	4.31e-04	-0.15	0.0	6.91e-06	0.0
170	36	0.03	-6.55e-03	-0.12	-4.15e-06	3.57e-06	0.0
170	37	-0.02	6.99e-03	-0.12	4.35e-06	5.38e-06	0.0
170	39	7.12e-03	0.02	-0.12	1.40e-05	4.13e-06	0.0
170	68	0.01	-4.27e-03	-0.12	-2.34e-06	4.00e-06	0.0
170	69	-0.01	4.87e-03	-0.12	2.53e-06	4.97e-06	0.0
170	71	4.18e-03	0.02	-0.12	8.06e-06	4.30e-06	0.0
170	87	9.04e-04	2.93e-04	-0.12	0.0	4.40e-06	0.0
170	88	8.51e-04	3.00e-04	-0.12	0.0	4.48e-06	0.0
170	89	9.04e-04	2.93e-04	-0.12	0.0	4.40e-06	0.0
170	93	9.46e-04	3.08e-04	-0.12	0.0	4.93e-06	0.0
170	95	8.22e-04	3.23e-04	-0.12	0.0	5.12e-06	0.0
170	100	9.04e-04	2.93e-04	-0.12	0.0	4.40e-06	0.0
170	101	8.15e-04	3.04e-04	-0.12	0.0	4.54e-06	0.0
170	102	9.12e-04	2.96e-04	-0.12	0.0	4.51e-06	0.0
170	105	9.04e-04	2.93e-04	-0.12	0.0	4.40e-06	0.0
170	106	8.51e-04	3.00e-04	-0.12	0.0	4.48e-06	0.0
171	9	1.83e-03	2.26e-03	-0.18	-1.06e-04	-1.76e-04	0.0
171	11	1.66e-03	2.39e-03	-0.18	-1.07e-04	-1.96e-04	0.0
171	35	0.03	0.01	-0.15	-9.24e-05	-2.26e-04	0.0
171	49	-2.22e-03	0.05	-0.15	-1.97e-04	-1.90e-04	0.0
171	51	0.01	0.04	-0.15	-1.87e-04	-2.36e-04	0.0
171	67	0.02	0.01	-0.14	-8.38e-05	-1.80e-04	0.0
171	81	3.18e-04	0.04	-0.14	-1.47e-04	-1.67e-04	0.0
171	83	8.81e-03	0.03	-0.15	-1.42e-04	-1.92e-04	0.0
171	87	1.35e-03	1.61e-03	-0.14	-6.67e-05	-1.14e-04	0.0
171	88	1.30e-03	1.65e-03	-0.14	-6.71e-05	-1.20e-04	0.0
171	93	1.41e-03	1.70e-03	-0.14	-7.83e-05	-1.29e-04	0.0
171	95	1.29e-03	1.79e-03	-0.14	-7.92e-05	-1.43e-04	0.0
171	101	1.27e-03	1.67e-03	-0.14	-6.74e-05	-1.24e-04	0.0
171	102	1.36e-03	1.63e-03	-0.14	-6.90e-05	-1.17e-04	0.0
171	104	1.31e-03	1.67e-03	-0.14	-6.94e-05	-1.23e-04	0.0
171	105	1.35e-03	1.61e-03	-0.14	-6.67e-05	-1.14e-04	0.0

171	106	1.30e-03	1.65e-03	-0.14	-6.71e-05	-1.20e-04	0.0
172	9	6.95e-04	1.31e-03	-0.19	3.10e-04	-7.78e-06	0.0
172	11	4.68e-04	1.39e-03	-0.19	3.11e-04	-9.26e-06	0.0
172	36	0.03	-0.01	-0.14	2.32e-04	-2.55e-05	0.0
172	47	-1.72e-03	0.03	-0.14	1.42e-04	2.13e-05	0.0
172	52	0.02	-0.03	-0.14	2.52e-04	-3.94e-05	0.0
172	68	0.02	-7.24e-03	-0.14	2.13e-04	-1.71e-05	0.0
172	79	-2.94e-03	0.03	-0.14	1.61e-04	1.17e-05	0.0
172	84	0.01	-0.02	-0.14	2.26e-04	-2.69e-05	0.0
172	87	5.38e-04	9.34e-04	-0.14	1.89e-04	-5.60e-06	0.0
172	88	4.73e-04	9.55e-04	-0.14	1.89e-04	-6.03e-06	0.0
172	93	5.51e-04	9.87e-04	-0.14	2.28e-04	-5.80e-06	0.0
172	95	4.00e-04	1.04e-03	-0.14	2.29e-04	-6.79e-06	0.0
172	101	4.30e-04	9.70e-04	-0.14	1.90e-04	-6.31e-06	0.0
172	102	5.41e-04	9.44e-04	-0.14	1.97e-04	-5.64e-06	0.0
172	105	5.38e-04	9.34e-04	-0.14	1.89e-04	-5.60e-06	0.0
172	106	4.73e-04	9.55e-04	-0.14	1.89e-04	-6.03e-06	0.0
173	4	-7.30e-03	4.29e-03	-0.26	-2.74e-05	2.00e-04	-1.16e-05
173	9	-5.04e-03	4.08e-03	-0.27	-4.20e-05	2.18e-04	-1.10e-05
173	11	-6.78e-03	4.30e-03	-0.27	-4.28e-05	2.18e-04	-1.17e-05
173	32	0.23	-0.11	-0.19	3.64e-04	2.81e-04	-1.13e-04
173	34	-0.28	-0.07	-0.19	2.14e-04	-2.28e-05	-3.62e-05
173	39	0.14	0.32	-0.19	-1.01e-03	2.10e-04	2.34e-04
173	64	0.13	-0.06	-0.19	2.05e-04	2.17e-04	-6.17e-05
173	66	-0.16	-0.04	-0.19	1.22e-04	4.95e-05	-1.90e-05
173	71	0.07	0.19	-0.19	-5.84e-04	1.77e-04	1.11e-04
173	87	-3.36e-03	2.93e-03	-0.19	-5.55e-06	1.38e-04	-7.88e-06
173	88	-3.86e-03	2.99e-03	-0.19	-5.77e-06	1.38e-04	-8.06e-06
173	92	-5.16e-03	3.22e-03	-0.19	-1.68e-05	1.49e-04	-8.70e-06
173	93	-3.65e-03	3.08e-03	-0.20	-2.66e-05	1.62e-04	-8.31e-06
173	95	-4.80e-03	3.23e-03	-0.20	-2.71e-05	1.61e-04	-8.74e-06
173	101	-4.19e-03	3.04e-03	-0.19	-5.91e-06	1.37e-04	-8.18e-06
173	102	-3.42e-03	2.96e-03	-0.19	-9.75e-06	1.42e-04	-7.97e-06
173	105	-3.36e-03	2.93e-03	-0.19	-5.55e-06	1.38e-04	-7.88e-06
173	106	-3.86e-03	2.99e-03	-0.19	-5.77e-06	1.38e-04	-8.06e-06
174	9	8.88e-04	2.66e-03	-0.22	1.09e-05	-1.12e-04	-9.85e-06
174	11	6.57e-04	2.80e-03	-0.23	1.18e-05	-1.25e-04	-1.03e-05
174	36	0.03	-0.02	-0.20	1.20e-04	-1.01e-04	2.27e-05
174	48	0.02	-0.05	-0.23	3.28e-04	-9.27e-05	4.62e-05
174	49	-0.02	0.06	-0.11	-3.14e-04	-6.43e-05	-6.18e-05
174	68	0.02	-0.01	-0.19	7.56e-05	-9.22e-05	1.27e-05
174	80	0.01	-0.04	-0.20	2.06e-04	-8.91e-05	3.39e-05
174	81	-0.01	0.04	-0.13	-1.92e-04	-7.12e-05	-4.82e-05
174	87	6.83e-04	1.90e-03	-0.16	6.87e-06	-7.65e-05	-7.04e-06
174	88	6.17e-04	1.94e-03	-0.17	7.12e-06	-8.02e-05	-7.18e-06
174	93	6.99e-04	2.00e-03	-0.17	8.00e-06	-8.34e-05	-7.43e-06
174	95	5.45e-04	2.10e-03	-0.17	8.61e-06	-9.19e-05	-7.74e-06
174	101	5.73e-04	1.96e-03	-0.17	7.30e-06	-8.26e-05	-7.27e-06
174	102	6.86e-04	1.92e-03	-0.17	7.09e-06	-7.79e-05	-7.12e-06
174	105	6.83e-04	1.90e-03	-0.16	6.87e-06	-7.65e-05	-7.04e-06
174	106	6.17e-04	1.94e-03	-0.17	7.12e-06	-8.02e-05	-7.18e-06
175	9	1.71e-03	4.13e-04	-0.18	-2.33e-04	6.76e-05	0.0
175	11	1.55e-03	4.35e-04	-0.18	-2.33e-04	6.81e-05	0.0
175	35	0.03	3.27e-03	-0.13	-1.15e-04	1.69e-05	0.0
175	38	-0.03	-2.82e-03	-0.14	-1.61e-04	7.02e-05	0.0
175	39	0.01	0.02	-0.13	-1.54e-04	3.01e-05	0.0
175	67	0.02	2.77e-03	-0.13	-1.25e-04	2.89e-05	0.0
175	70	-0.01	-2.16e-03	-0.13	-1.50e-04	5.82e-05	0.0
175	71	8.80e-03	0.02	-0.13	-1.47e-04	3.61e-05	0.0
175	87	1.25e-03	2.97e-04	-0.13	-1.38e-04	4.34e-05	0.0
175	88	1.20e-03	3.03e-04	-0.13	-1.38e-04	4.36e-05	0.0
175	93	1.31e-03	3.12e-04	-0.14	-1.71e-04	5.02e-05	0.0
175	95	1.20e-03	3.26e-04	-0.14	-1.71e-04	5.05e-05	0.0
175	101	1.17e-03	3.08e-04	-0.13	-1.38e-04	4.37e-05	0.0
175	102	1.26e-03	3.00e-04	-0.13	-1.44e-04	4.48e-05	0.0
175	105	1.25e-03	2.97e-04	-0.13	-1.38e-04	4.34e-05	0.0
175	106	1.20e-03	3.03e-04	-0.13	-1.38e-04	4.36e-05	0.0
176	1	2.11e-03	4.81e-03	-0.25	0.0	-5.10e-05	-1.02e-05
176	9	2.11e-03	5.11e-03	-0.27	3.39e-05	-6.02e-05	-1.09e-05
176	11	7.88e-04	5.38e-03	-0.26	3.34e-05	-6.02e-05	-1.15e-05
176	32	0.28	-0.10	-0.18	2.06e-04	-2.37e-05	-1.14e-04
176	41	-0.14	0.29	-0.19	-9.18e-04	-5.31e-05	1.95e-04
176	45	-0.15	0.30	-0.19	-9.19e-04	-5.22e-05	2.27e-04
176	64	0.15	-0.06	-0.19	1.19e-04	-3.06e-05	-6.18e-05
176	73	-0.07	0.18	-0.19	-5.31e-04	-4.76e-05	8.90e-05
176	77	-0.08	0.18	-0.19	-5.31e-04	-4.72e-05	1.07e-04
176	87	1.74e-03	3.65e-03	-0.19	-3.25e-06	-3.85e-05	-7.77e-06
176	88	1.36e-03	3.73e-03	-0.19	-3.38e-06	-3.85e-05	-7.95e-06
176	89	1.74e-03	3.65e-03	-0.19	-3.25e-06	-3.85e-05	-7.77e-06
176	93	1.74e-03	3.85e-03	-0.20	1.98e-05	-4.47e-05	-8.19e-06

176	95	8.58e-04	4.03e-03	-0.20	1.95e-05	-4.47e-05	-8.61e-06
176	100	1.74e-03	3.65e-03	-0.19	-3.25e-06	-3.85e-05	-7.77e-06
176	101	1.11e-03	3.78e-03	-0.19	-3.46e-06	-3.85e-05	-8.08e-06
176	102	1.74e-03	3.69e-03	-0.19	1.36e-06	-3.97e-05	-7.85e-06
176	105	1.74e-03	3.65e-03	-0.19	-3.25e-06	-3.85e-05	-7.77e-06
176	106	1.36e-03	3.73e-03	-0.19	-3.38e-06	-3.85e-05	-7.95e-06
177	1	2.08e-03	4.04e-03	-0.25	-9.48e-06	1.85e-04	-1.03e-05
177	9	2.07e-03	4.29e-03	-0.27	2.08e-05	2.21e-04	-1.10e-05
177	11	7.48e-04	4.51e-03	-0.27	2.05e-05	2.21e-04	-1.16e-05
177	31	0.24	0.07	-0.19	-2.30e-04	2.83e-04	1.98e-05
177	32	0.28	-0.11	-0.19	3.59e-04	3.02e-04	-1.13e-04
177	39	5.76e-03	0.32	-0.19	-1.02e-03	1.53e-04	2.34e-04
177	63	0.13	0.05	-0.19	-1.38e-04	2.19e-04	2.89e-06
177	64	0.15	-0.06	-0.19	2.00e-04	2.29e-04	-6.16e-05
177	71	8.14e-03	0.19	-0.19	-5.88e-04	1.47e-04	1.11e-04
177	87	1.72e-03	3.07e-03	-0.19	-9.65e-06	1.40e-04	-7.84e-06
177	88	1.34e-03	3.13e-03	-0.19	-9.75e-06	1.40e-04	-8.02e-06
177	89	1.72e-03	3.07e-03	-0.19	-9.65e-06	1.40e-04	-7.84e-06
177	93	1.71e-03	3.24e-03	-0.20	1.05e-05	1.64e-04	-8.27e-06
177	95	8.29e-04	3.38e-03	-0.20	1.03e-05	1.64e-04	-8.69e-06
177	100	1.72e-03	3.07e-03	-0.19	-9.65e-06	1.40e-04	-7.84e-06
177	101	1.09e-03	3.17e-03	-0.19	-9.82e-06	1.40e-04	-8.14e-06
177	102	1.71e-03	3.10e-03	-0.19	-5.61e-06	1.45e-04	-7.93e-06
177	105	1.72e-03	3.07e-03	-0.19	-9.65e-06	1.40e-04	-7.84e-06
177	106	1.34e-03	3.13e-03	-0.19	-9.75e-06	1.40e-04	-8.02e-06
178	1	1.99e-03	2.64e-03	-0.30	3.60e-05	3.47e-04	-1.04e-05
178	9	1.96e-03	2.80e-03	-0.33	8.33e-05	4.14e-04	-1.11e-05
178	11	6.41e-04	2.94e-03	-0.33	8.31e-05	4.15e-04	-1.17e-05
178	31	0.24	0.07	-0.24	-2.06e-04	1.95e-04	1.96e-05
178	32	0.28	-0.12	-0.24	4.28e-04	1.77e-04	-1.13e-04
178	39	5.47e-03	0.34	-0.23	-1.07e-03	2.70e-04	2.34e-04
178	63	0.13	0.04	-0.23	-1.09e-04	2.25e-04	2.77e-06
178	64	0.15	-0.07	-0.23	2.53e-04	2.16e-04	-6.17e-05
178	71	7.94e-03	0.20	-0.23	-5.97e-04	2.66e-04	1.11e-04
178	87	1.65e-03	2.00e-03	-0.23	2.40e-05	2.62e-04	-7.92e-06
178	88	1.27e-03	2.04e-03	-0.23	2.39e-05	2.62e-04	-8.10e-06
178	89	1.65e-03	2.00e-03	-0.23	2.40e-05	2.62e-04	-7.92e-06
178	93	1.63e-03	2.11e-03	-0.25	5.55e-05	3.07e-04	-8.37e-06
178	95	7.50e-04	2.20e-03	-0.25	5.54e-05	3.07e-04	-8.79e-06
178	100	1.65e-03	2.00e-03	-0.23	2.40e-05	2.62e-04	-7.92e-06
178	101	1.02e-03	2.07e-03	-0.23	2.39e-05	2.62e-04	-8.22e-06
178	102	1.64e-03	2.03e-03	-0.23	3.03e-05	2.71e-04	-8.01e-06
178	105	1.65e-03	2.00e-03	-0.23	2.40e-05	2.62e-04	-7.92e-06
178	106	1.27e-03	2.04e-03	-0.23	2.39e-05	2.62e-04	-8.10e-06
179	1	1.93e-03	1.55e-03	-0.31	5.08e-05	-1.60e-04	-1.00e-05
179	9	1.89e-03	1.64e-03	-0.35	1.02e-04	-1.90e-04	-1.07e-05
179	11	5.69e-04	1.71e-03	-0.35	1.02e-04	-1.89e-04	-1.13e-05
179	32	0.28	-0.13	-0.23	4.69e-04	-1.13e-04	-1.13e-04
179	39	5.43e-03	0.36	-0.24	-1.12e-03	-1.20e-04	2.33e-04
179	41	-0.15	0.33	-0.25	-1.04e-03	-5.96e-05	1.93e-04
179	64	0.15	-0.08	-0.24	2.79e-04	-1.83e-04	-6.13e-05
179	71	7.88e-03	0.21	-0.24	-6.17e-04	-1.21e-04	1.10e-04
179	73	-0.08	0.19	-0.24	-5.74e-04	-8.75e-05	8.81e-05
179	87	1.60e-03	1.18e-03	-0.24	3.50e-05	-1.21e-04	-7.62e-06
179	88	1.22e-03	1.20e-03	-0.24	3.50e-05	-1.21e-04	-7.80e-06
179	89	1.60e-03	1.18e-03	-0.24	3.50e-05	-1.21e-04	-7.62e-06
179	93	1.58e-03	1.24e-03	-0.26	6.91e-05	-1.41e-04	-8.03e-06
179	95	6.96e-04	1.29e-03	-0.26	6.91e-05	-1.40e-04	-8.45e-06
179	100	1.60e-03	1.18e-03	-0.24	3.50e-05	-1.21e-04	-7.62e-06
179	101	9.72e-04	1.21e-03	-0.24	3.50e-05	-1.21e-04	-7.92e-06
179	102	1.60e-03	1.19e-03	-0.24	4.18e-05	-1.25e-04	-7.71e-06
179	105	1.60e-03	1.18e-03	-0.24	3.50e-05	-1.21e-04	-7.62e-06
179	106	1.22e-03	1.20e-03	-0.24	3.50e-05	-1.21e-04	-7.80e-06
180	1	1.85e-03	-1.99e-04	-0.25	1.04e-05	-1.92e-04	-9.93e-06
180	4	-6.12e-05	-2.60e-04	-0.26	2.78e-05	-2.12e-04	-1.11e-05
180	11	4.80e-04	-2.49e-04	-0.27	4.50e-05	-2.30e-04	-1.12e-05
180	32	0.28	-0.15	-0.18	4.87e-04	2.49e-05	-1.12e-04
180	41	-0.15	0.36	-0.19	-1.16e-03	-2.46e-04	1.91e-04
180	42	-2.71e-03	-0.39	-0.19	1.27e-03	-1.34e-04	-2.47e-04
180	64	0.15	-0.08	-0.19	2.75e-04	-5.21e-05	-6.08e-05
180	73	-0.08	0.20	-0.19	-6.50e-04	-1.99e-04	8.73e-05
180	74	-5.58e-03	-0.22	-0.19	7.16e-04	-1.41e-04	-1.25e-04
180	87	1.55e-03	-1.48e-04	-0.19	5.25e-06	-1.45e-04	-7.53e-06
180	88	1.17e-03	-1.59e-04	-0.19	5.29e-06	-1.45e-04	-7.71e-06
180	89	1.55e-03	-1.48e-04	-0.19	5.25e-06	-1.45e-04	-7.53e-06
180	92	2.70e-04	-1.89e-04	-0.19	1.69e-05	-1.58e-04	-8.32e-06
180	95	6.30e-04	-1.82e-04	-0.20	2.83e-05	-1.70e-04	-8.35e-06
180	100	1.55e-03	-1.48e-04	-0.19	5.25e-06	-1.45e-04	-7.53e-06
180	101	9.17e-04	-1.67e-04	-0.19	5.32e-06	-1.45e-04	-7.82e-06
180	104	1.16e-03	-1.61e-04	-0.19	9.89e-06	-1.50e-04	-7.79e-06

180	105	1.55e-03	-1.48e-04	-0.19	5.25e-06	-1.45e-04	-7.53e-06
180	106	1.17e-03	-1.59e-04	-0.19	5.29e-06	-1.45e-04	-7.71e-06
181	1	1.84e-03	-5.77e-04	-0.24	1.36e-05	-2.58e-05	-1.01e-05
181	4	-7.92e-05	-6.83e-04	-0.25	3.26e-05	-2.83e-05	-1.12e-05
181	11	4.61e-04	-6.74e-04	-0.26	5.12e-05	-3.04e-05	-1.13e-05
181	32	0.28	-0.15	-0.19	4.98e-04	-5.74e-05	-1.12e-04
181	39	5.62e-03	0.40	-0.19	-1.28e-03	-3.74e-05	2.31e-04
181	42	-2.80e-03	-0.40	-0.18	1.29e-03	-1.66e-06	-2.46e-04
181	64	0.15	-0.09	-0.19	2.82e-04	2.26e-05	-6.07e-05
181	71	7.94e-03	0.22	-0.19	-7.13e-04	-2.87e-05	1.09e-04
181	74	-5.63e-03	-0.23	-0.18	7.28e-04	-1.04e-05	-1.25e-04
181	87	1.54e-03	-4.35e-04	-0.19	7.52e-06	-1.95e-05	-7.63e-06
181	88	1.16e-03	-4.53e-04	-0.19	7.57e-06	-1.96e-05	-7.81e-06
181	89	1.54e-03	-4.35e-04	-0.19	7.52e-06	-1.95e-05	-7.63e-06
181	92	2.56e-04	-5.06e-04	-0.19	2.01e-05	-2.12e-05	-8.43e-06
181	95	6.17e-04	-5.01e-04	-0.20	3.26e-05	-2.25e-05	-8.47e-06
181	100	1.54e-03	-4.35e-04	-0.19	7.52e-06	-1.95e-05	-7.63e-06
181	101	9.05e-04	-4.65e-04	-0.19	7.60e-06	-1.96e-05	-7.92e-06
181	104	1.15e-03	-4.58e-04	-0.19	1.26e-05	-2.01e-05	-7.89e-06
181	105	1.54e-03	-4.35e-04	-0.19	7.52e-06	-1.95e-05	-7.63e-06
181	106	1.16e-03	-4.53e-04	-0.19	7.57e-06	-1.96e-05	-7.81e-06
182	3	1.12e-03	4.00e-05	-0.16	-1.57e-04	1.48e-05	0.0
182	9	1.45e-03	3.83e-05	-0.16	-1.92e-04	1.76e-05	0.0
182	11	1.28e-03	3.91e-05	-0.16	-1.92e-04	1.75e-05	0.0
182	35	0.03	9.35e-04	-0.12	-1.10e-04	1.26e-05	0.0
182	39	0.01	0.02	-0.12	-1.11e-04	1.03e-05	0.0
182	46	-7.86e-03	-0.02	-0.13	-1.25e-04	1.21e-05	0.0
182	67	0.02	9.49e-04	-0.12	-1.14e-04	1.21e-05	0.0
182	71	6.68e-03	0.01	-0.12	-1.14e-04	1.09e-05	0.0
182	78	-4.75e-03	-0.01	-0.13	-1.22e-04	1.16e-05	0.0
182	87	1.06e-03	2.97e-05	-0.13	-1.18e-04	1.13e-05	0.0
182	88	1.01e-03	3.00e-05	-0.13	-1.18e-04	1.12e-05	0.0
182	91	8.99e-04	3.06e-05	-0.13	-1.18e-04	1.12e-05	0.0
182	93	1.11e-03	2.94e-05	-0.13	-1.41e-04	1.31e-05	0.0
182	95	1.00e-03	3.00e-05	-0.13	-1.41e-04	1.30e-05	0.0
182	101	9.80e-04	3.02e-05	-0.13	-1.18e-04	1.12e-05	0.0
182	102	1.07e-03	2.97e-05	-0.13	-1.23e-04	1.16e-05	0.0
182	104	1.02e-03	2.99e-05	-0.13	-1.23e-04	1.16e-05	0.0
182	105	1.06e-03	2.97e-05	-0.13	-1.18e-04	1.13e-05	0.0
182	106	1.01e-03	3.00e-05	-0.13	-1.18e-04	1.12e-05	0.0
183	1	1.77e-03	-2.72e-03	-0.25	1.91e-05	1.34e-05	-9.45e-06
183	11	3.81e-04	-3.08e-03	-0.27	5.65e-05	1.41e-05	-1.06e-05
183	32	0.28	-0.17	-0.18	5.55e-04	1.83e-06	-1.09e-04
183	41	-0.15	0.40	-0.19	-1.25e-03	7.54e-05	1.85e-04
183	42	-3.39e-03	-0.44	-0.19	1.40e-03	-6.47e-05	-2.39e-04
183	64	0.15	-0.10	-0.19	3.13e-04	5.56e-06	-5.88e-05
183	73	-0.08	0.22	-0.19	-6.94e-04	4.59e-05	8.41e-05
183	74	-5.96e-03	-0.25	-0.19	7.88e-04	-3.08e-05	-1.21e-04
183	87	1.49e-03	-2.06e-03	-0.19	1.18e-05	1.03e-05	-7.18e-06
183	88	1.11e-03	-2.12e-03	-0.19	1.19e-05	1.02e-05	-7.35e-06
183	89	1.49e-03	-2.06e-03	-0.19	1.18e-05	1.03e-05	-7.18e-06
183	95	5.57e-04	-2.30e-03	-0.20	3.67e-05	1.07e-05	-7.94e-06
183	100	1.49e-03	-2.06e-03	-0.19	1.18e-05	1.03e-05	-7.18e-06
183	101	8.55e-04	-2.15e-03	-0.19	1.20e-05	1.02e-05	-7.46e-06
183	104	1.10e-03	-2.14e-03	-0.19	1.68e-05	1.03e-05	-7.42e-06
183	105	1.49e-03	-2.06e-03	-0.19	1.18e-05	1.03e-05	-7.18e-06
183	106	1.11e-03	-2.12e-03	-0.19	1.19e-05	1.02e-05	-7.35e-06
184	1	1.75e-03	-3.42e-03	-0.26	0.0	3.50e-04	-9.54e-06
184	9	1.68e-03	-3.63e-03	-0.28	2.68e-05	4.13e-04	-1.01e-05
184	11	3.54e-04	-3.86e-03	-0.28	2.73e-05	4.12e-04	-1.07e-05
184	32	0.28	-0.18	-0.19	5.58e-04	3.89e-04	-1.08e-04
184	39	6.34e-03	0.45	-0.21	-1.44e-03	4.23e-04	2.22e-04
184	42	-3.65e-03	-0.46	-0.18	1.43e-03	1.04e-04	-2.37e-04
184	64	0.15	-0.10	-0.19	3.09e-04	3.33e-04	-5.84e-05
184	71	8.29e-03	0.25	-0.20	-8.01e-04	3.52e-04	1.05e-04
184	74	-6.11e-03	-0.25	-0.19	7.96e-04	1.75e-04	-1.19e-04
184	87	1.47e-03	-2.59e-03	-0.20	-2.80e-06	2.64e-04	-7.24e-06
184	88	1.09e-03	-2.66e-03	-0.20	-2.64e-06	2.64e-04	-7.41e-06
184	89	1.47e-03	-2.59e-03	-0.20	-2.80e-06	2.64e-04	-7.24e-06
184	93	1.42e-03	-2.73e-03	-0.21	1.55e-05	3.06e-04	-7.62e-06
184	95	5.38e-04	-2.89e-03	-0.21	1.59e-05	3.06e-04	-8.02e-06
184	100	1.47e-03	-2.59e-03	-0.20	-2.80e-06	2.64e-04	-7.24e-06
184	101	8.39e-04	-2.70e-03	-0.20	-2.53e-06	2.64e-04	-7.52e-06
184	102	1.46e-03	-2.62e-03	-0.20	0.0	2.72e-04	-7.32e-06
184	105	1.47e-03	-2.59e-03	-0.20	-2.80e-06	2.64e-04	-7.24e-06
184	106	1.09e-03	-2.66e-03	-0.20	-2.64e-06	2.64e-04	-7.41e-06
185	1	1.69e-03	-4.65e-03	-0.34	3.29e-05	6.79e-04	-9.68e-06
185	9	1.60e-03	-4.94e-03	-0.38	6.82e-05	7.99e-04	-1.03e-05
185	11	2.76e-04	-5.25e-03	-0.38	6.88e-05	7.99e-04	-1.09e-05
185	32	0.28	-0.19	-0.26	5.95e-04	3.34e-04	-1.07e-04

185	39	6.67e-03	0.48	-0.31	-1.43e-03	8.41e-04	2.19e-04
185	42	-4.07e-03	-0.48	-0.22	1.48e-03	1.85e-04	-2.34e-04
185	64	0.15	-0.11	-0.26	3.39e-04	4.15e-04	-5.77e-05
185	71	8.45e-03	0.26	-0.29	-7.83e-04	6.93e-04	1.03e-04
185	74	-6.36e-03	-0.27	-0.24	8.28e-04	3.34e-04	-1.18e-04
185	87	1.42e-03	-3.53e-03	-0.26	2.25e-05	5.13e-04	-7.35e-06
185	88	1.04e-03	-3.61e-03	-0.26	2.27e-05	5.13e-04	-7.52e-06
185	89	1.42e-03	-3.53e-03	-0.26	2.25e-05	5.13e-04	-7.35e-06
185	93	1.36e-03	-3.72e-03	-0.29	4.60e-05	5.93e-04	-7.75e-06
185	95	4.81e-04	-3.93e-03	-0.29	4.64e-05	5.93e-04	-8.14e-06
185	100	1.42e-03	-3.53e-03	-0.26	2.25e-05	5.13e-04	-7.35e-06
185	101	7.91e-04	-3.67e-03	-0.26	2.28e-05	5.13e-04	-7.63e-06
185	102	1.41e-03	-3.56e-03	-0.27	2.72e-05	5.29e-04	-7.43e-06
185	105	1.42e-03	-3.53e-03	-0.26	2.25e-05	5.13e-04	-7.35e-06
185	106	1.04e-03	-3.61e-03	-0.26	2.27e-05	5.13e-04	-7.52e-06
186	9	1.45e-03	-3.81e-05	-0.16	-1.96e-04	9.38e-06	0.0
186	11	1.28e-03	-4.15e-05	-0.16	-1.96e-04	9.32e-06	0.0
186	35	0.03	4.67e-04	-0.12	-1.11e-04	6.41e-06	0.0
186	42	-7.66e-03	-0.02	-0.13	-1.35e-04	7.17e-06	0.0
186	46	-7.83e-03	-0.02	-0.13	-1.35e-04	7.14e-06	0.0
186	67	0.01	5.84e-04	-0.12	-1.15e-04	6.23e-06	0.0
186	74	-4.63e-03	-0.01	-0.13	-1.29e-04	6.44e-06	0.0
186	78	-4.72e-03	-0.01	-0.13	-1.29e-04	6.43e-06	0.0
186	87	1.06e-03	-2.47e-05	-0.13	-1.21e-04	5.92e-06	0.0
186	88	1.01e-03	-2.56e-05	-0.13	-1.21e-04	5.90e-06	0.0
186	93	1.11e-03	-2.81e-05	-0.13	-1.44e-04	6.94e-06	0.0
186	95	1.00e-03	-3.04e-05	-0.13	-1.44e-04	6.90e-06	0.0
186	102	1.07e-03	-2.53e-05	-0.13	-1.25e-04	6.12e-06	0.0
186	104	1.02e-03	-2.63e-05	-0.13	-1.25e-04	6.10e-06	0.0
186	105	1.06e-03	-2.47e-05	-0.13	-1.21e-04	5.92e-06	0.0
186	106	1.01e-03	-2.56e-05	-0.13	-1.21e-04	5.90e-06	0.0
187	1	1.55e-03	-6.52e-03	-0.35	2.44e-05	-7.23e-04	-7.12e-06
187	9	1.43e-03	-6.90e-03	-0.38	4.48e-05	-8.76e-04	-7.32e-06
187	11	1.06e-04	-7.34e-03	-0.38	4.57e-05	-8.76e-04	-7.91e-06
187	32	0.28	-0.21	-0.21	6.08e-04	-5.84e-04	-1.00e-04
187	41	-0.14	0.46	-0.39	-1.31e-03	-2.83e-04	1.72e-04
187	42	-4.69e-03	-0.52	-0.16	1.50e-03	-8.42e-04	-2.21e-04
187	64	0.15	-0.12	-0.24	3.43e-04	-5.66e-04	-5.33e-05
187	73	-0.08	0.25	-0.33	-7.14e-04	-4.02e-04	7.79e-05
187	74	-6.74e-03	-0.29	-0.20	8.34e-04	-7.07e-04	-1.10e-04
187	87	1.32e-03	-4.94e-03	-0.26	1.71e-05	-5.44e-04	-5.41e-06
187	88	9.39e-04	-5.07e-03	-0.26	1.73e-05	-5.44e-04	-5.58e-06
187	89	1.32e-03	-4.94e-03	-0.26	1.71e-05	-5.44e-04	-5.41e-06
187	93	1.24e-03	-5.20e-03	-0.29	3.07e-05	-6.46e-04	-5.54e-06
187	95	3.56e-04	-5.49e-03	-0.29	3.13e-05	-6.46e-04	-5.94e-06
187	100	1.32e-03	-4.94e-03	-0.26	1.71e-05	-5.44e-04	-5.41e-06
187	101	6.87e-04	-5.15e-03	-0.26	1.75e-05	-5.45e-04	-5.69e-06
187	102	1.30e-03	-5.00e-03	-0.27	1.98e-05	-5.65e-04	-5.43e-06
187	105	1.32e-03	-4.94e-03	-0.26	1.71e-05	-5.44e-04	-5.41e-06
187	106	9.39e-04	-5.07e-03	-0.26	1.73e-05	-5.44e-04	-5.58e-06
188	1	7.67e-04	3.98e-03	0.0	0.0	0.0	0.0
188	4	-1.28e-03	4.41e-03	0.0	0.0	0.0	0.0
188	11	-7.29e-04	4.44e-03	0.0	0.0	0.0	0.0
188	23	0.24	0.12	0.0	0.0	0.0	0.0
188	32	0.27	-0.11	0.0	0.0	0.0	0.0
188	39	0.03	0.32	0.0	0.0	0.0	0.0
188	55	0.13	0.07	0.0	0.0	0.0	0.0
188	64	0.15	-0.06	0.0	0.0	0.0	0.0
188	71	0.02	0.19	0.0	0.0	0.0	0.0
188	87	7.20e-04	3.02e-03	0.0	0.0	0.0	0.0
188	88	3.20e-04	3.08e-03	0.0	0.0	0.0	0.0
188	89	7.20e-04	3.02e-03	0.0	0.0	0.0	0.0
188	95	-2.77e-04	3.33e-03	0.0	0.0	0.0	0.0
188	100	7.20e-04	3.02e-03	0.0	0.0	0.0	0.0
188	101	5.35e-05	3.13e-03	0.0	0.0	0.0	0.0
188	105	7.20e-04	3.02e-03	0.0	0.0	0.0	0.0
188	106	3.20e-04	3.08e-03	0.0	0.0	0.0	0.0
189	3	8.94e-04	-4.62e-04	-0.16	0.0	0.0	0.0
189	9	1.23e-03	-4.51e-04	-0.16	0.0	1.45e-06	0.0
189	11	1.04e-03	-4.79e-04	-0.16	0.0	1.43e-06	0.0
189	33	-0.02	0.01	-0.12	8.00e-06	1.79e-06	0.0
189	36	0.03	-6.14e-03	-0.12	-5.42e-06	-1.05e-06	0.0
189	42	-4.94e-03	-0.03	-0.12	-2.10e-05	0.0	0.0
189	65	-0.01	5.74e-03	-0.12	4.35e-06	1.15e-06	0.0
189	68	0.01	-3.40e-03	-0.12	-3.06e-06	0.0	0.0
189	74	-2.40e-03	-0.01	-0.12	-1.17e-05	0.0	0.0
189	87	8.96e-04	-3.20e-04	-0.12	0.0	0.0	0.0
189	88	8.45e-04	-3.28e-04	-0.12	0.0	0.0	0.0
189	91	7.25e-04	-3.46e-04	-0.12	0.0	0.0	0.0
189	93	9.45e-04	-3.40e-04	-0.12	0.0	0.0	0.0

189	95	8.25e-04	-3.58e-04	-0.12	0.0	0.0	0.0
189	101	8.10e-04	-3.33e-04	-0.12	0.0	0.0	0.0
189	102	9.06e-04	-3.24e-04	-0.12	0.0	0.0	0.0
189	105	8.96e-04	-3.20e-04	-0.12	0.0	0.0	0.0
189	106	8.45e-04	-3.28e-04	-0.12	0.0	0.0	0.0
190	1	1.41e-03	-7.32e-03	-0.23	-2.92e-05	-8.68e-04	-2.04e-05
190	4	-5.58e-04	-8.24e-03	-0.24	-3.09e-05	-9.59e-04	-2.27e-05
190	9	1.26e-03	-7.72e-03	-0.24	-3.54e-05	-1.04e-03	-2.33e-05
190	32	0.28	-0.22	-0.16	5.75e-04	-3.37e-04	-1.17e-04
190	39	7.15e-03	0.54	-0.32	-1.52e-03	-4.95e-04	2.12e-04
190	42	-4.98e-03	-0.55	-0.03	1.47e-03	-8.12e-04	-2.43e-04
190	64	0.15	-0.12	-0.17	3.06e-04	-4.80e-04	-6.73e-05
190	71	8.61e-03	0.29	-0.26	-8.41e-04	-5.66e-04	9.51e-05
190	74	-6.94e-03	-0.30	-0.10	7.97e-04	-7.42e-04	-1.26e-04
190	87	1.21e-03	-5.55e-03	-0.18	-2.21e-05	-6.53e-04	-1.54e-05
190	88	8.34e-04	-5.70e-03	-0.18	-2.18e-05	-6.54e-04	-1.56e-05
190	89	1.21e-03	-5.55e-03	-0.18	-2.21e-05	-6.53e-04	-1.54e-05
190	92	-9.91e-05	-6.17e-03	-0.18	-2.32e-05	-7.14e-04	-1.69e-05
190	93	1.11e-03	-5.82e-03	-0.19	-2.62e-05	-7.71e-04	-1.74e-05
190	100	1.21e-03	-5.55e-03	-0.18	-2.21e-05	-6.53e-04	-1.54e-05
190	101	5.81e-04	-5.79e-03	-0.18	-2.16e-05	-6.54e-04	-1.57e-05
190	102	1.19e-03	-5.61e-03	-0.18	-2.29e-05	-6.77e-04	-1.58e-05
190	105	1.21e-03	-5.55e-03	-0.18	-2.21e-05	-6.53e-04	-1.54e-05
190	106	8.34e-04	-5.70e-03	-0.18	-2.18e-05	-6.54e-04	-1.56e-05
191	4	-4.53e-03	6.96e-03	-0.24	-2.38e-04	-1.99e-05	-4.68e-06
191	11	-4.37e-03	7.00e-03	-0.24	-2.39e-04	-1.87e-05	-4.65e-06
191	29	-0.04	0.07	-0.15	-3.88e-04	-5.47e-05	-4.83e-05
191	48	0.03	-0.13	-0.23	4.15e-04	4.44e-05	6.88e-05
191	49	-0.03	0.14	-0.12	-6.53e-04	-6.58e-05	-7.57e-05
191	61	-0.03	0.05	-0.16	-3.02e-04	-3.61e-05	-3.17e-05
191	80	0.02	-0.09	-0.21	1.55e-04	2.30e-05	4.99e-05
191	81	-0.02	0.10	-0.14	-4.82e-04	-4.50e-05	-5.63e-05
191	88	-2.74e-03	4.90e-03	-0.17	-1.64e-04	-1.10e-05	-3.24e-06
191	92	-3.29e-03	5.23e-03	-0.18	-1.78e-04	-1.42e-05	-3.51e-06
191	95	-3.18e-03	5.26e-03	-0.18	-1.79e-04	-1.34e-05	-3.49e-06
191	101	-2.87e-03	4.96e-03	-0.18	-1.66e-04	-1.18e-05	-3.30e-06
191	106	-2.74e-03	4.90e-03	-0.17	-1.64e-04	-1.10e-05	-3.24e-06
192	4	-1.39e-03	7.47e-03	-0.24	1.43e-04	-6.01e-06	-3.86e-06
192	11	-1.16e-03	7.51e-03	-0.25	1.44e-04	-4.40e-06	-3.64e-06
192	35	0.04	0.05	-0.21	-1.25e-05	4.53e-05	-3.79e-05
192	47	0.03	0.11	-0.24	-3.70e-04	6.44e-05	-6.47e-05
192	49	8.80e-03	0.12	-0.24	-4.11e-04	4.79e-05	-8.09e-05
192	70	-0.02	-0.03	-0.16	1.57e-04	-2.72e-05	2.20e-05
192	79	0.02	0.08	-0.22	-1.54e-04	3.95e-05	-5.32e-05
192	81	8.40e-03	0.09	-0.21	-1.77e-04	3.04e-05	-6.20e-05
192	88	-4.73e-04	5.13e-03	-0.18	9.80e-05	0.0	-2.43e-06
192	92	-9.12e-04	5.58e-03	-0.18	1.07e-04	-3.60e-06	-2.83e-06
192	95	-7.63e-04	5.61e-03	-0.19	1.07e-04	-2.54e-06	-2.68e-06
192	101	-5.90e-04	5.22e-03	-0.18	9.96e-05	-1.52e-06	-2.54e-06
192	106	-4.73e-04	5.13e-03	-0.18	9.80e-05	0.0	-2.43e-06
193	9	1.36e-03	2.10e-03	-0.19	5.80e-05	-2.41e-04	5.06e-06
193	11	1.15e-03	2.22e-03	-0.20	5.86e-05	-2.67e-04	5.10e-06
193	36	0.03	-0.02	-0.16	6.97e-05	-2.97e-04	-3.86e-05
193	48	0.02	-0.05	-0.17	2.15e-04	-3.16e-04	-7.14e-05
193	49	-0.01	0.05	-0.12	-1.43e-04	-6.72e-06	7.76e-05
193	68	0.02	-0.01	-0.15	5.87e-05	-2.40e-04	-2.00e-05
193	80	9.74e-03	-0.03	-0.16	1.48e-04	-2.58e-04	-3.85e-05
193	81	-7.82e-03	0.04	-0.13	-7.56e-05	-6.93e-05	4.47e-05
193	87	1.01e-03	1.50e-03	-0.14	3.60e-05	-1.56e-04	3.10e-06
193	88	9.55e-04	1.54e-03	-0.14	3.61e-05	-1.64e-04	3.11e-06
193	93	1.05e-03	1.59e-03	-0.15	4.27e-05	-1.77e-04	3.72e-06
193	95	9.15e-04	1.66e-03	-0.15	4.31e-05	-1.95e-04	3.75e-06
193	101	9.16e-04	1.56e-03	-0.14	3.62e-05	-1.69e-04	3.12e-06
193	102	1.02e-03	1.52e-03	-0.14	3.73e-05	-1.61e-04	3.22e-06
193	104	9.63e-04	1.55e-03	-0.14	3.75e-05	-1.68e-04	3.23e-06
193	105	1.01e-03	1.50e-03	-0.14	3.60e-05	-1.56e-04	3.10e-06
193	106	9.55e-04	1.54e-03	-0.14	3.61e-05	-1.64e-04	3.11e-06
194	4	-2.16e-03	-2.38e-03	-0.23	-3.07e-04	-4.50e-04	0.0
194	9	-2.38e-03	-2.20e-03	-0.22	-2.92e-04	-4.27e-04	0.0
194	11	-2.28e-03	-2.37e-03	-0.23	-3.07e-04	-4.50e-04	0.0
194	38	-0.03	-0.02	-0.21	-1.73e-04	-4.24e-04	0.0
194	48	1.26e-03	-0.05	-0.20	5.15e-05	-4.23e-04	0.0
194	54	-0.01	-0.05	-0.22	2.57e-05	-4.65e-04	0.0
194	70	-0.02	-0.02	-0.19	-1.89e-04	-3.84e-04	0.0
194	80	-1.09e-03	-0.05	-0.19	-5.42e-05	-3.92e-04	0.0
194	86	-9.10e-03	-0.05	-0.20	-6.86e-05	-4.17e-04	0.0
194	87	-1.71e-03	-1.57e-03	-0.16	-2.12e-04	-3.11e-04	0.0
194	88	-1.68e-03	-1.61e-03	-0.16	-2.17e-04	-3.18e-04	0.0
194	92	-1.66e-03	-1.77e-03	-0.17	-2.31e-04	-3.39e-04	0.0
194	93	-1.81e-03	-1.65e-03	-0.17	-2.21e-04	-3.23e-04	0.0

194	95	-1.74e-03	-1.77e-03	-0.17	-2.31e-04	-3.38e-04	0.0
194	101	-1.66e-03	-1.65e-03	-0.17	-2.20e-04	-3.22e-04	0.0
194	102	-1.73e-03	-1.58e-03	-0.16	-2.14e-04	-3.14e-04	0.0
194	105	-1.71e-03	-1.57e-03	-0.16	-2.12e-04	-3.11e-04	0.0
194	106	-1.68e-03	-1.61e-03	-0.16	-2.17e-04	-3.18e-04	0.0
195	4	-2.13e-03	-2.73e-03	-0.21	-3.48e-04	-5.00e-04	-3.98e-05
195	9	-2.36e-03	-2.55e-03	-0.20	-3.31e-04	-4.74e-04	-3.83e-05
195	11	-2.25e-03	-2.73e-03	-0.21	-3.48e-04	-4.99e-04	-3.99e-05
195	38	-0.03	-0.02	-0.19	-2.10e-04	-4.80e-04	-1.08e-05
195	48	1.31e-03	-0.05	-0.18	3.43e-06	-4.91e-04	1.24e-05
195	54	-0.01	-0.05	-0.20	-2.24e-05	-5.40e-04	9.98e-06
195	70	-0.02	-0.02	-0.17	-2.22e-04	-4.31e-04	-1.53e-05
195	80	-1.05e-03	-0.05	-0.17	-9.55e-05	-4.45e-04	2.56e-06
195	86	-9.06e-03	-0.05	-0.18	-1.10e-04	-4.73e-04	1.47e-06
195	87	-1.69e-03	-1.82e-03	-0.15	-2.41e-04	-3.45e-04	-2.79e-05
195	88	-1.66e-03	-1.87e-03	-0.15	-2.46e-04	-3.52e-04	-2.84e-05
195	92	-1.64e-03	-2.04e-03	-0.16	-2.62e-04	-3.76e-04	-3.00e-05
195	93	-1.79e-03	-1.92e-03	-0.15	-2.51e-04	-3.59e-04	-2.90e-05
195	95	-1.72e-03	-2.04e-03	-0.16	-2.62e-04	-3.76e-04	-3.01e-05
195	101	-1.64e-03	-1.91e-03	-0.15	-2.49e-04	-3.57e-04	-2.87e-05
195	102	-1.71e-03	-1.84e-03	-0.15	-2.43e-04	-3.48e-04	-2.81e-05
195	105	-1.69e-03	-1.82e-03	-0.15	-2.41e-04	-3.45e-04	-2.79e-05
195	106	-1.66e-03	-1.87e-03	-0.15	-2.46e-04	-3.52e-04	-2.84e-05
196	9	-2.28e-03	-1.64e-03	-0.13	-3.93e-04	-5.79e-04	0.0
196	11	-2.17e-03	-1.74e-03	-0.14	-4.14e-04	-6.09e-04	0.0
196	38	-0.03	-0.02	-0.12	-2.88e-04	-6.14e-04	0.0
196	48	1.08e-03	-0.04	-0.11	-1.25e-04	-6.18e-04	0.0
196	70	-0.02	-0.02	-0.11	-2.88e-04	-5.36e-04	0.0
196	80	-1.23e-03	-0.04	-0.11	-1.93e-04	-5.48e-04	0.0
196	86	-9.26e-03	-0.04	-0.11	-2.08e-04	-5.87e-04	0.0
196	87	-1.63e-03	-1.17e-03	-0.10	-2.86e-04	-4.20e-04	0.0
196	88	-1.60e-03	-1.20e-03	-0.10	-2.92e-04	-4.29e-04	0.0
196	93	-1.73e-03	-1.23e-03	-0.10	-2.98e-04	-4.38e-04	0.0
196	95	-1.66e-03	-1.30e-03	-0.11	-3.11e-04	-4.58e-04	0.0
196	101	-1.58e-03	-1.22e-03	-0.10	-2.95e-04	-4.35e-04	0.0
196	102	-1.65e-03	-1.18e-03	-0.10	-2.88e-04	-4.24e-04	0.0
196	105	-1.63e-03	-1.17e-03	-0.10	-2.86e-04	-4.20e-04	0.0
196	106	-1.60e-03	-1.20e-03	-0.10	-2.92e-04	-4.29e-04	0.0
197	9	-2.21e-03	-1.33e-03	-0.09	-4.69e-04	-3.07e-04	0.0
197	11	-2.09e-03	-1.40e-03	-0.09	-4.93e-04	-3.23e-04	0.0
197	34	-0.03	-0.01	-0.07	-3.71e-04	-2.89e-04	0.0
197	38	-0.03	-0.02	-0.07	-3.64e-04	-2.96e-04	0.0
197	48	1.24e-03	-0.04	-0.07	-2.52e-04	-2.61e-04	0.0
197	66	-0.02	-0.01	-0.07	-3.60e-04	-2.64e-04	0.0
197	70	-0.02	-0.02	-0.07	-3.56e-04	-2.68e-04	0.0
197	80	-1.12e-03	-0.04	-0.07	-2.93e-04	-2.54e-04	0.0
197	87	-1.59e-03	-9.60e-04	-0.06	-3.41e-04	-2.23e-04	0.0
197	88	-1.55e-03	-9.80e-04	-0.06	-3.48e-04	-2.28e-04	0.0
197	93	-1.69e-03	-1.01e-03	-0.07	-3.55e-04	-2.32e-04	0.0
197	95	-1.61e-03	-1.05e-03	-0.07	-3.71e-04	-2.43e-04	0.0
197	101	-1.53e-03	-9.93e-04	-0.07	-3.52e-04	-2.31e-04	0.0
197	102	-1.61e-03	-9.69e-04	-0.06	-3.43e-04	-2.25e-04	0.0
197	105	-1.59e-03	-9.60e-04	-0.06	-3.41e-04	-2.23e-04	0.0
197	106	-1.55e-03	-9.80e-04	-0.06	-3.48e-04	-2.28e-04	0.0
198	9	-2.12e-03	-1.13e-03	-0.07	-5.22e-04	-1.07e-04	0.0
198	11	-1.99e-03	-1.18e-03	-0.07	-5.49e-04	-1.13e-04	0.0
198	38	-0.03	-0.02	-0.05	-4.05e-04	-1.09e-04	0.0
198	45	-5.94e-03	3.39e-03	-0.06	-4.60e-04	-6.89e-05	0.0
198	48	1.50e-03	-0.03	-0.04	-2.93e-04	-9.57e-05	0.0
198	70	-0.02	-0.01	-0.05	-3.97e-04	-9.65e-05	0.0
198	77	-2.86e-03	0.02	-0.05	-4.27e-04	-7.37e-05	0.0
198	80	-9.35e-04	-0.03	-0.05	-3.35e-04	-9.07e-05	0.0
198	87	-1.52e-03	-8.20e-04	-0.05	-3.79e-04	-7.77e-05	0.0
198	88	-1.48e-03	-8.34e-04	-0.05	-3.87e-04	-7.94e-05	0.0
198	93	-1.62e-03	-8.56e-04	-0.05	-3.95e-04	-8.09e-05	0.0
198	95	-1.53e-03	-8.90e-04	-0.05	-4.13e-04	-8.47e-05	0.0
198	101	-1.46e-03	-8.44e-04	-0.05	-3.92e-04	-8.05e-05	0.0
198	102	-1.54e-03	-8.27e-04	-0.05	-3.82e-04	-7.84e-05	0.0
198	105	-1.52e-03	-8.20e-04	-0.05	-3.79e-04	-7.77e-05	0.0
198	106	-1.48e-03	-8.34e-04	-0.05	-3.87e-04	-7.94e-05	0.0
199	9	-2.00e-03	-9.65e-04	-0.06	-5.44e-04	-2.17e-05	0.0
199	11	-1.85e-03	-1.00e-03	-0.06	-5.71e-04	-2.31e-05	0.0
199	38	-0.03	-0.01	-0.05	-4.15e-04	-2.35e-05	0.0
199	48	1.87e-03	-0.03	-0.04	-3.12e-04	-1.15e-05	0.0
199	49	-4.61e-03	0.02	-0.05	-4.92e-04	-1.97e-05	0.0
199	70	-0.02	-0.01	-0.05	-4.10e-04	-2.03e-05	0.0
199	80	-6.78e-04	-0.03	-0.04	-3.54e-04	-1.41e-05	0.0
199	81	-2.12e-03	0.03	-0.05	-4.50e-04	-1.85e-05	0.0
199	87	-1.44e-03	-7.06e-04	-0.04	-3.94e-04	-1.59e-05	0.0
199	88	-1.40e-03	-7.17e-04	-0.05	-4.02e-04	-1.63e-05	0.0

199	93	-1.53e-03	-7.32e-04	-0.05	-4.11e-04	-1.64e-05	0.0
199	95	-1.43e-03	-7.58e-04	-0.05	-4.29e-04	-1.73e-05	0.0
199	101	-1.37e-03	-7.24e-04	-0.05	-4.07e-04	-1.65e-05	0.0
199	102	-1.46e-03	-7.11e-04	-0.04	-3.98e-04	-1.60e-05	0.0
199	105	-1.44e-03	-7.06e-04	-0.04	-3.94e-04	-1.59e-05	0.0
199	106	-1.40e-03	-7.17e-04	-0.05	-4.02e-04	-1.63e-05	0.0
200	9	-1.87e-03	-8.44e-04	-0.06	-5.47e-04	2.65e-06	0.0
200	11	-1.69e-03	-8.74e-04	-0.06	-5.74e-04	2.57e-06	0.0
200	38	-0.03	-0.01	-0.04	-4.09e-04	-3.51e-06	0.0
200	48	2.27e-03	-0.02	-0.04	-3.19e-04	1.16e-06	0.0
200	49	-4.81e-03	0.02	-0.05	-4.90e-04	2.89e-06	0.0
200	70	-0.02	-0.01	-0.04	-4.07e-04	-1.12e-06	0.0
200	80	-3.90e-04	-0.03	-0.04	-3.59e-04	1.41e-06	0.0
200	81	-2.22e-03	0.02	-0.05	-4.50e-04	2.24e-06	0.0
200	87	-1.35e-03	-6.22e-04	-0.04	-3.97e-04	1.85e-06	0.0
200	88	-1.30e-03	-6.30e-04	-0.04	-4.05e-04	1.83e-06	0.0
200	93	-1.43e-03	-6.41e-04	-0.05	-4.14e-04	2.01e-06	0.0
200	95	-1.31e-03	-6.61e-04	-0.05	-4.32e-04	1.95e-06	0.0
200	101	-1.27e-03	-6.36e-04	-0.04	-4.10e-04	1.81e-06	0.0
200	102	-1.37e-03	-6.26e-04	-0.04	-4.00e-04	1.88e-06	0.0
200	105	-1.35e-03	-6.22e-04	-0.04	-3.97e-04	1.85e-06	0.0
200	106	-1.30e-03	-6.30e-04	-0.04	-4.05e-04	1.83e-06	0.0
201	9	-1.73e-03	-7.48e-04	-0.06	-5.48e-04	4.90e-06	0.0
201	11	-1.52e-03	-7.70e-04	-0.06	-5.75e-04	4.94e-06	0.0
201	38	-0.03	-9.02e-03	-0.04	-3.99e-04	-2.19e-06	0.0
201	48	2.72e-03	-0.02	-0.04	-3.17e-04	0.0	0.0
201	49	-5.04e-03	0.02	-0.05	-4.93e-04	7.07e-06	0.0
201	70	-0.02	-9.25e-03	-0.04	-4.02e-04	0.0	0.0
201	80	-7.11e-05	-0.02	-0.04	-3.59e-04	1.50e-06	0.0
201	81	-2.33e-03	0.02	-0.05	-4.52e-04	5.61e-06	0.0
201	87	-1.26e-03	-5.55e-04	-0.04	-3.97e-04	3.55e-06	0.0
201	88	-1.20e-03	-5.61e-04	-0.05	-4.05e-04	3.56e-06	0.0
201	93	-1.33e-03	-5.69e-04	-0.05	-4.15e-04	3.72e-06	0.0
201	95	-1.19e-03	-5.84e-04	-0.05	-4.32e-04	3.74e-06	0.0
201	101	-1.16e-03	-5.66e-04	-0.05	-4.10e-04	3.56e-06	0.0
201	102	-1.27e-03	-5.58e-04	-0.04	-4.01e-04	3.58e-06	0.0
201	105	-1.26e-03	-5.55e-04	-0.04	-3.97e-04	3.55e-06	0.0
201	106	-1.20e-03	-5.61e-04	-0.05	-4.05e-04	3.56e-06	0.0
202	9	-1.58e-03	-6.71e-04	-0.06	-5.51e-04	-2.96e-06	0.0
202	11	-1.35e-03	-6.86e-04	-0.06	-5.77e-04	-3.30e-06	0.0
202	38	-0.03	-7.46e-03	-0.04	-3.92e-04	-8.78e-06	0.0
202	48	3.18e-03	-0.01	-0.04	-3.14e-04	-8.96e-06	0.0
202	49	-5.29e-03	0.01	-0.05	-5.00e-04	4.92e-06	0.0
202	70	-0.02	-8.08e-03	-0.04	-3.99e-04	-6.05e-06	0.0
202	80	2.55e-04	-0.02	-0.04	-3.57e-04	-6.65e-06	0.0
202	81	-2.45e-03	0.02	-0.05	-4.57e-04	2.28e-06	0.0
202	87	-1.17e-03	-5.01e-04	-0.04	-3.99e-04	-2.09e-06	0.0
202	88	-1.10e-03	-5.05e-04	-0.05	-4.07e-04	-2.19e-06	0.0
202	93	-1.22e-03	-5.12e-04	-0.05	-4.17e-04	-2.21e-06	0.0
202	95	-1.07e-03	-5.22e-04	-0.05	-4.34e-04	-2.44e-06	0.0
202	101	-1.05e-03	-5.08e-04	-0.05	-4.12e-04	-2.25e-06	0.0
202	102	-1.18e-03	-5.03e-04	-0.04	-4.03e-04	-2.12e-06	0.0
202	105	-1.17e-03	-5.01e-04	-0.04	-3.99e-04	-2.09e-06	0.0
202	106	-1.10e-03	-5.05e-04	-0.05	-4.07e-04	-2.19e-06	0.0
203	9	-1.45e-03	-6.04e-04	-0.06	-5.51e-04	-1.02e-05	0.0
203	11	-1.17e-03	-6.13e-04	-0.06	-5.77e-04	-1.10e-05	0.0
203	38	-0.03	-5.96e-03	-0.04	-3.65e-04	-1.51e-05	0.0
203	47	9.00e-03	6.17e-03	-0.05	-5.10e-04	5.82e-06	0.0
203	48	3.67e-03	-0.01	-0.04	-3.13e-04	-1.85e-05	0.0
203	70	-0.02	-6.93e-03	-0.04	-3.84e-04	-1.21e-05	0.0
203	79	5.37e-03	0.01	-0.05	-4.64e-04	1.06e-06	0.0
203	80	5.98e-04	-0.02	-0.04	-3.56e-04	-1.48e-05	0.0
203	87	-1.08e-03	-4.53e-04	-0.04	-4.00e-04	-7.30e-06	0.0
203	88	-9.98e-04	-4.56e-04	-0.04	-4.07e-04	-7.52e-06	0.0
203	93	-1.12e-03	-4.62e-04	-0.04	-4.17e-04	-7.67e-06	0.0
203	95	-9.42e-04	-4.68e-04	-0.05	-4.34e-04	-8.19e-06	0.0
203	101	-9.46e-04	-4.57e-04	-0.04	-4.12e-04	-7.66e-06	0.0
203	102	-1.09e-03	-4.55e-04	-0.04	-4.03e-04	-7.37e-06	0.0
203	104	-1.01e-03	-4.57e-04	-0.04	-4.11e-04	-7.59e-06	0.0
203	105	-1.08e-03	-4.53e-04	-0.04	-4.00e-04	-7.30e-06	0.0
203	106	-9.98e-04	-4.56e-04	-0.04	-4.07e-04	-7.52e-06	0.0
204	9	-1.35e-03	-5.47e-04	-0.06	-5.50e-04	1.32e-05	0.0
204	11	-1.05e-03	-5.50e-04	-0.06	-5.75e-04	1.32e-05	0.0
204	34	-0.03	-2.39e-03	-0.04	-3.63e-04	0.0	0.0
204	47	8.75e-03	4.58e-03	-0.05	-5.25e-04	2.79e-05	0.0
204	48	4.07e-03	-8.21e-03	-0.04	-3.00e-04	-5.91e-06	0.0
204	66	-0.02	-4.68e-03	-0.04	-3.82e-04	4.39e-06	0.0
204	79	5.23e-03	0.01	-0.05	-4.73e-04	2.17e-05	0.0
204	80	8.75e-04	-0.02	-0.04	-3.46e-04	0.0	0.0
204	87	-1.01e-03	-4.12e-04	-0.04	-3.99e-04	9.73e-06	0.0

204	88	-9.27e-04	-4.13e-04	-0.04	-4.06e-04	9.72e-06	0.0
204	93	-1.05e-03	-4.19e-04	-0.04	-4.16e-04	1.01e-05	0.0
204	95	-8.52e-04	-4.21e-04	-0.05	-4.33e-04	1.00e-05	0.0
204	101	-8.70e-04	-4.14e-04	-0.04	-4.11e-04	9.71e-06	0.0
204	102	-1.02e-03	-4.14e-04	-0.04	-4.03e-04	9.80e-06	0.0
204	104	-9.35e-04	-4.15e-04	-0.04	-4.10e-04	9.79e-06	0.0
204	105	-1.01e-03	-4.12e-04	-0.04	-3.99e-04	9.73e-06	0.0
204	106	-9.27e-04	-4.13e-04	-0.04	-4.06e-04	9.72e-06	0.0
205	9	-1.29e-03	-4.82e-04	-0.06	-5.35e-04	9.07e-05	0.0
205	11	-9.67e-04	-4.82e-04	-0.06	-5.58e-04	9.31e-05	0.0
205	34	-0.03	-1.87e-03	-0.04	-3.40e-04	5.11e-05	0.0
205	47	8.47e-03	3.27e-03	-0.06	-5.37e-04	8.75e-05	0.0
205	48	4.44e-03	-6.12e-03	-0.04	-2.70e-04	5.00e-05	0.0
205	66	-0.02	-4.10e-03	-0.05	-3.63e-04	5.76e-05	0.0
205	79	5.06e-03	0.01	-0.05	-4.76e-04	8.18e-05	0.0
205	80	1.11e-03	-0.01	-0.04	-3.22e-04	5.57e-05	0.0
205	87	-9.79e-04	-3.66e-04	-0.05	-3.88e-04	6.62e-05	0.0
205	88	-8.86e-04	-3.66e-04	-0.05	-3.95e-04	6.69e-05	0.0
205	93	-1.01e-03	-3.70e-04	-0.05	-4.05e-04	6.89e-05	0.0
205	95	-7.97e-04	-3.70e-04	-0.05	-4.20e-04	7.05e-05	0.0
205	101	-8.25e-04	-3.66e-04	-0.05	-3.99e-04	6.73e-05	0.0
205	102	-9.86e-04	-3.67e-04	-0.05	-3.91e-04	6.67e-05	0.0
205	105	-9.79e-04	-3.66e-04	-0.05	-3.88e-04	6.62e-05	0.0
205	106	-8.86e-04	-3.66e-04	-0.05	-3.95e-04	6.69e-05	0.0
206	9	-1.31e-03	-4.48e-04	-0.08	-4.70e-04	2.77e-04	0.0
206	11	-9.70e-04	-4.50e-04	-0.08	-4.90e-04	2.85e-04	0.0
206	34	-0.03	1.23e-03	-0.05	-2.86e-04	1.67e-04	0.0
206	50	-9.80e-03	-4.52e-03	-0.05	-1.82e-04	1.66e-04	0.0
206	51	8.37e-03	2.57e-03	-0.08	-5.12e-04	2.35e-04	0.0
206	66	-0.02	-2.17e-03	-0.06	-3.11e-04	1.83e-04	0.0
206	82	-6.66e-03	-0.01	-0.05	-2.49e-04	1.81e-04	0.0
206	83	4.97e-03	0.01	-0.07	-4.44e-04	2.27e-04	0.0
206	87	-9.96e-04	-3.39e-04	-0.06	-3.41e-04	2.02e-04	0.0
206	88	-8.99e-04	-3.40e-04	-0.06	-3.47e-04	2.04e-04	0.0
206	93	-1.03e-03	-3.43e-04	-0.06	-3.56e-04	2.10e-04	0.0
206	95	-8.02e-04	-3.45e-04	-0.06	-3.69e-04	2.15e-04	0.0
206	101	-8.34e-04	-3.41e-04	-0.06	-3.51e-04	2.06e-04	0.0
206	102	-1.00e-03	-3.40e-04	-0.06	-3.44e-04	2.03e-04	0.0
206	104	-9.05e-04	-3.41e-04	-0.06	-3.50e-04	2.06e-04	0.0
206	105	-9.96e-04	-3.39e-04	-0.06	-3.41e-04	2.02e-04	0.0
206	106	-8.99e-04	-3.40e-04	-0.06	-3.47e-04	2.04e-04	0.0
207	9	7.80e-04	6.61e-05	-0.20	3.95e-04	2.93e-05	0.0
207	11	5.71e-04	6.80e-05	-0.20	3.95e-04	2.90e-05	0.0
207	18	4.85e-04	6.85e-05	-0.19	3.69e-04	2.74e-05	0.0
207	36	0.03	-6.00e-03	-0.14	2.31e-04	3.65e-05	0.0
207	39	4.61e-03	0.02	-0.15	2.42e-04	2.18e-05	0.0
207	45	-9.89e-03	0.02	-0.15	2.49e-04	1.19e-05	0.0
207	68	0.02	-3.69e-03	-0.14	2.36e-04	2.87e-05	0.0
207	71	1.02e-03	0.01	-0.15	2.42e-04	2.00e-05	0.0
207	77	-6.96e-03	0.01	-0.15	2.45e-04	1.46e-05	0.0
207	87	5.84e-04	4.72e-05	-0.14	2.42e-04	1.89e-05	0.0
207	88	5.24e-04	4.77e-05	-0.14	2.42e-04	1.89e-05	0.0
207	93	6.11e-04	4.99e-05	-0.15	2.91e-04	2.18e-05	0.0
207	95	4.71e-04	5.12e-05	-0.15	2.91e-04	2.16e-05	0.0
207	99	4.14e-04	5.15e-05	-0.15	2.73e-04	2.05e-05	0.0
207	102	5.89e-04	4.77e-05	-0.15	2.52e-04	1.95e-05	0.0
207	104	5.29e-04	4.83e-05	-0.15	2.52e-04	1.94e-05	0.0
207	105	5.84e-04	4.72e-05	-0.14	2.42e-04	1.89e-05	0.0
207	106	5.24e-04	4.77e-05	-0.14	2.42e-04	1.89e-05	0.0
208	9	7.56e-04	4.10e-04	-0.18	2.34e-04	6.79e-05	0.0
208	11	5.43e-04	4.33e-04	-0.18	2.34e-04	6.84e-05	0.0
208	36	0.03	-6.57e-03	-0.13	1.15e-04	1.70e-05	0.0
208	37	-0.03	7.01e-03	-0.14	1.61e-04	7.05e-05	0.0
208	39	4.34e-03	0.02	-0.13	1.08e-04	4.30e-05	0.0
208	68	0.02	-4.29e-03	-0.13	1.25e-04	2.91e-05	0.0
208	69	-0.01	4.88e-03	-0.13	1.51e-04	5.85e-05	0.0
208	71	7.48e-04	0.02	-0.13	1.21e-04	4.35e-05	0.0
208	87	5.71e-04	2.93e-04	-0.13	1.38e-04	4.37e-05	0.0
208	88	5.10e-04	3.00e-04	-0.13	1.38e-04	4.38e-05	0.0
208	93	5.94e-04	3.09e-04	-0.14	1.71e-04	5.04e-05	0.0
208	95	4.52e-04	3.24e-04	-0.14	1.71e-04	5.07e-05	0.0
208	101	4.69e-04	3.04e-04	-0.13	1.38e-04	4.39e-05	0.0
208	102	5.76e-04	2.96e-04	-0.13	1.45e-04	4.50e-05	0.0
208	105	5.71e-04	2.93e-04	-0.13	1.38e-04	4.37e-05	0.0
208	106	5.10e-04	3.00e-04	-0.13	1.38e-04	4.38e-05	0.0
209	4	4.63e-04	-9.58e-06	-0.19	3.73e-04	-3.98e-06	0.0
209	9	7.83e-04	-6.18e-06	-0.20	4.10e-04	-3.82e-06	0.0
209	11	5.74e-04	-8.57e-06	-0.20	4.10e-04	-3.99e-06	0.0
209	36	0.03	-5.94e-03	-0.14	2.65e-04	2.65e-05	0.0
209	42	-3.27e-03	-0.02	-0.14	2.63e-04	-1.59e-06	0.0

209	45	-9.81e-03	0.02	-0.15	2.34e-04	-1.96e-05	0.0
209	68	0.02	-3.60e-03	-0.14	2.59e-04	1.34e-05	0.0
209	74	-1.71e-05	-0.01	-0.14	2.58e-04	-1.88e-06	0.0
209	77	-6.89e-03	0.01	-0.15	2.42e-04	-1.24e-05	0.0
209	87	5.85e-04	-4.52e-06	-0.14	2.52e-04	-2.77e-06	0.0
209	88	5.25e-04	-5.21e-06	-0.14	2.52e-04	-2.82e-06	0.0
209	92	4.00e-04	-6.81e-06	-0.15	2.77e-04	-3.00e-06	0.0
209	93	6.13e-04	-4.54e-06	-0.15	3.02e-04	-2.89e-06	0.0
209	95	4.74e-04	-6.14e-06	-0.15	3.02e-04	-3.01e-06	0.0
209	101	4.85e-04	-5.66e-06	-0.14	2.52e-04	-2.85e-06	0.0
209	102	5.91e-04	-4.53e-06	-0.15	2.62e-04	-2.80e-06	0.0
209	104	5.31e-04	-5.21e-06	-0.15	2.62e-04	-2.85e-06	0.0
209	105	5.85e-04	-4.52e-06	-0.14	2.52e-04	-2.77e-06	0.0
209	106	5.25e-04	-5.21e-06	-0.14	2.52e-04	-2.82e-06	0.0
210	9	7.90e-04	-2.17e-04	-0.19	3.51e-04	6.55e-06	0.0
210	11	5.83e-04	-2.32e-04	-0.19	3.51e-04	6.58e-06	0.0
210	36	0.03	-5.89e-03	-0.14	2.25e-04	-1.27e-05	0.0
210	42	-3.36e-03	-0.03	-0.14	2.41e-04	2.76e-05	0.0
210	53	-0.01	9.29e-03	-0.14	1.93e-04	0.0	0.0
210	68	0.02	-3.41e-03	-0.14	2.20e-04	-5.27e-06	0.0
210	74	-1.23e-04	-0.01	-0.14	2.29e-04	1.69e-05	0.0
210	85	-8.74e-03	5.42e-03	-0.14	2.02e-04	1.84e-06	0.0
210	87	5.88e-04	-1.55e-04	-0.14	2.13e-04	3.89e-06	0.0
210	88	5.29e-04	-1.59e-04	-0.14	2.13e-04	3.90e-06	0.0
210	93	6.18e-04	-1.63e-04	-0.15	2.58e-04	4.79e-06	0.0
210	95	4.80e-04	-1.73e-04	-0.15	2.58e-04	4.81e-06	0.0
210	101	4.89e-04	-1.62e-04	-0.14	2.13e-04	3.91e-06	0.0
210	102	5.94e-04	-1.57e-04	-0.14	2.22e-04	4.07e-06	0.0
210	104	5.35e-04	-1.61e-04	-0.14	2.22e-04	4.08e-06	0.0
210	105	5.88e-04	-1.55e-04	-0.14	2.13e-04	3.89e-06	0.0
210	106	5.29e-04	-1.59e-04	-0.14	2.13e-04	3.90e-06	0.0
211	9	2.00e-03	9.69e-04	-0.25	-3.91e-04	-5.65e-05	-2.49e-06
211	11	1.85e-03	1.02e-03	-0.25	-3.91e-04	-5.76e-05	-2.63e-06
211	31	0.03	6.25e-03	-0.18	-2.74e-04	1.03e-04	-1.28e-05
211	35	0.03	6.56e-03	-0.18	-2.71e-04	1.13e-04	-1.83e-05
211	53	4.92e-03	0.03	-0.18	-2.96e-04	-9.90e-05	-3.79e-05
211	63	0.02	5.22e-03	-0.18	-2.58e-04	4.03e-05	-1.06e-05
211	67	0.02	5.39e-03	-0.18	-2.56e-04	4.60e-05	-1.36e-05
211	85	6.12e-03	0.02	-0.18	-2.72e-04	-6.98e-05	-3.08e-05
211	87	1.46e-03	6.95e-04	-0.18	-2.36e-04	-3.61e-05	-1.78e-06
211	88	1.42e-03	7.11e-04	-0.18	-2.36e-04	-3.64e-05	-1.82e-06
211	93	1.53e-03	7.31e-04	-0.19	-2.87e-04	-4.18e-05	-1.88e-06
211	95	1.43e-03	7.67e-04	-0.19	-2.87e-04	-4.26e-05	-1.97e-06
211	101	1.39e-03	7.21e-04	-0.18	-2.36e-04	-3.66e-05	-1.85e-06
211	102	1.48e-03	7.02e-04	-0.18	-2.46e-04	-3.72e-05	-1.80e-06
211	105	1.46e-03	6.95e-04	-0.18	-2.36e-04	-3.61e-05	-1.78e-06
211	106	1.42e-03	7.11e-04	-0.18	-2.36e-04	-3.64e-05	-1.82e-06
212	9	1.74e-03	2.73e-03	-0.22	5.44e-06	5.44e-06	-8.38e-06
212	11	1.56e-03	2.88e-03	-0.23	5.79e-06	-1.59e-04	-8.78e-06
212	36	0.03	-0.02	-0.19	9.83e-05	-8.58e-05	0.0
212	48	0.02	-0.05	-0.20	2.62e-04	-1.07e-04	3.94e-05
212	49	-0.01	0.06	-0.13	-2.56e-04	-9.41e-05	-5.17e-05
212	68	0.02	-0.01	-0.18	6.21e-05	-9.43e-05	0.0
212	80	0.01	-0.04	-0.19	1.67e-04	-1.07e-04	2.98e-05
212	81	-7.69e-03	0.04	-0.14	-1.61e-04	-9.86e-05	-4.19e-05
212	87	1.29e-03	1.95e-03	-0.16	3.27e-06	-9.90e-05	-5.96e-06
212	88	1.24e-03	1.99e-03	-0.17	3.37e-06	-1.03e-04	-6.07e-06
212	93	1.34e-03	2.06e-03	-0.17	3.97e-06	-1.08e-04	-6.31e-06
212	95	1.22e-03	2.16e-03	-0.17	4.20e-06	-1.17e-04	-6.58e-06
212	101	1.20e-03	2.02e-03	-0.17	3.43e-06	-1.05e-04	-6.15e-06
212	102	1.30e-03	1.97e-03	-0.17	3.41e-06	-1.01e-04	-6.03e-06
212	105	1.29e-03	1.95e-03	-0.16	3.27e-06	-9.90e-05	-5.96e-06
212	106	1.24e-03	1.99e-03	-0.17	3.37e-06	-1.03e-04	-6.07e-06
213	4	2.43e-03	0.03	-0.22	-4.91e-05	5.70e-04	0.0
213	9	4.28e-03	0.03	-0.21	-4.60e-05	6.27e-04	0.0
213	11	3.06e-03	0.03	-0.22	-4.71e-05	6.25e-04	0.0
213	32	0.27	0.01	-0.10	-1.24e-05	7.69e-04	0.0
213	49	-0.06	0.43	-0.28	-8.66e-04	3.42e-04	0.0
213	64	0.15	4.51e-03	-0.12	-1.46e-05	5.98e-04	0.0
213	81	-0.03	0.29	-0.23	-5.26e-04	3.64e-04	0.0
213	87	3.20e-03	0.02	-0.16	-3.79e-05	3.91e-04	0.0
213	88	2.86e-03	0.02	-0.16	-3.82e-05	3.90e-04	0.0
213	92	2.12e-03	0.03	-0.17	-3.79e-05	4.25e-04	0.0
213	93	3.36e-03	0.02	-0.16	-3.58e-05	4.63e-04	0.0
213	95	2.55e-03	0.03	-0.17	-3.66e-05	4.61e-04	0.0
213	101	2.62e-03	0.02	-0.16	-3.84e-05	3.90e-04	0.0
213	102	3.23e-03	0.02	-0.16	-3.75e-05	4.05e-04	0.0
213	105	3.20e-03	0.02	-0.16	-3.79e-05	3.91e-04	0.0
213	106	2.86e-03	0.02	-0.16	-3.82e-05	3.90e-04	0.0
214	9	4.53e-03	0.03	-0.32	-1.14e-04	6.85e-04	0.0

214	11	3.31e-03	0.03	-0.33	-1.17e-04	6.86e-04	0.0
214	32	0.27	8.30e-03	-0.19	-4.07e-05	5.00e-04	0.0
214	49	-0.06	0.42	-0.34	-9.27e-04	3.39e-04	0.0
214	64	0.15	1.98e-03	-0.21	-5.37e-05	4.70e-04	0.0
214	81	-0.03	0.28	-0.30	-5.81e-04	3.81e-04	0.0
214	87	3.36e-03	0.02	-0.23	-8.69e-05	4.35e-04	0.0
214	88	3.02e-03	0.02	-0.23	-8.77e-05	4.36e-04	0.0
214	93	3.54e-03	0.02	-0.24	-8.74e-05	5.07e-04	0.0
214	95	2.73e-03	0.02	-0.25	-8.93e-05	5.08e-04	0.0
214	101	2.79e-03	0.02	-0.23	-8.82e-05	4.36e-04	0.0
214	102	3.40e-03	0.02	-0.23	-8.70e-05	4.50e-04	0.0
214	104	3.05e-03	0.02	-0.23	-8.78e-05	4.50e-04	0.0
214	105	3.36e-03	0.02	-0.23	-8.69e-05	4.35e-04	0.0
214	106	3.02e-03	0.02	-0.23	-8.77e-05	4.36e-04	0.0
215	9	4.26e-03	0.03	-0.35	-1.48e-04	-8.35e-05	0.0
215	11	3.04e-03	0.03	-0.36	-1.52e-04	-8.13e-05	0.0
215	32	0.27	4.71e-03	-0.21	-6.26e-05	-2.39e-04	0.0
215	49	-0.06	0.41	-0.35	-9.11e-04	-5.73e-05	0.0
215	64	0.15	-7.34e-05	-0.23	-7.91e-05	-1.52e-04	0.0
215	81	-0.03	0.27	-0.31	-5.84e-04	-5.74e-05	0.0
215	87	3.19e-03	0.02	-0.25	-1.13e-04	-5.03e-05	0.0
215	88	2.84e-03	0.02	-0.25	-1.14e-04	-4.97e-05	0.0
215	93	3.34e-03	0.02	-0.27	-1.14e-04	-6.14e-05	0.0
215	95	2.53e-03	0.02	-0.27	-1.16e-04	-6.00e-05	0.0
215	101	2.61e-03	0.02	-0.25	-1.15e-04	-4.93e-05	0.0
215	102	3.22e-03	0.02	-0.25	-1.13e-04	-5.26e-05	0.0
215	104	2.87e-03	0.02	-0.25	-1.15e-04	-5.19e-05	0.0
215	105	3.19e-03	0.02	-0.25	-1.13e-04	-5.03e-05	0.0
215	106	2.84e-03	0.02	-0.25	-1.14e-04	-4.97e-05	0.0
216	9	4.09e-03	0.03	-0.31	-1.52e-04	-6.44e-04	0.0
216	11	2.87e-03	0.03	-0.32	-1.58e-04	-6.43e-04	0.0
216	32	0.27	1.07e-03	-0.17	-6.16e-05	-3.14e-04	0.0
216	49	-0.06	0.40	-0.32	-8.83e-04	-5.32e-04	0.0
216	64	0.15	-2.10e-03	-0.19	-8.20e-05	-3.57e-04	0.0
216	81	-0.03	0.27	-0.28	-5.69e-04	-4.75e-04	0.0
216	87	3.08e-03	0.02	-0.22	-1.18e-04	-4.05e-04	0.0
216	88	2.73e-03	0.02	-0.22	-1.19e-04	-4.05e-04	0.0
216	93	3.22e-03	0.02	-0.23	-1.17e-04	-4.76e-04	0.0
216	95	2.40e-03	0.02	-0.24	-1.21e-04	-4.76e-04	0.0
216	101	2.50e-03	0.02	-0.22	-1.20e-04	-4.05e-04	0.0
216	102	3.11e-03	0.02	-0.22	-1.18e-04	-4.19e-04	0.0
216	104	2.76e-03	0.02	-0.22	-1.19e-04	-4.19e-04	0.0
216	105	3.08e-03	0.02	-0.22	-1.18e-04	-4.05e-04	0.0
216	106	2.73e-03	0.02	-0.22	-1.19e-04	-4.05e-04	0.0
217	9	3.96e-03	0.02	-0.25	-1.68e-04	-2.51e-04	0.0
217	11	2.74e-03	0.03	-0.27	-1.75e-04	-2.52e-04	0.0
217	32	0.27	-2.42e-03	-0.16	6.79e-05	1.03e-04	0.0
217	49	-0.06	0.39	-0.27	-8.67e-04	-2.70e-04	0.0
217	64	0.15	-4.05e-03	-0.17	-1.65e-05	-1.47e-05	0.0
217	81	-0.03	0.26	-0.24	-5.64e-04	-2.17e-04	0.0
217	87	3.00e-03	0.02	-0.18	-1.28e-04	-1.57e-04	0.0
217	88	2.65e-03	0.02	-0.19	-1.29e-04	-1.57e-04	0.0
217	93	3.12e-03	0.02	-0.19	-1.29e-04	-1.85e-04	0.0
217	95	2.31e-03	0.02	-0.20	-1.33e-04	-1.86e-04	0.0
217	101	2.42e-03	0.02	-0.19	-1.31e-04	-1.57e-04	0.0
217	102	3.03e-03	0.02	-0.19	-1.28e-04	-1.63e-04	0.0
217	105	3.00e-03	0.02	-0.18	-1.28e-04	-1.57e-04	0.0
217	106	2.65e-03	0.02	-0.19	-1.29e-04	-1.57e-04	0.0
218	9	3.92e-03	0.02	-0.25	-1.69e-04	5.54e-05	0.0
218	11	2.69e-03	0.02	-0.26	-1.76e-04	5.44e-05	0.0
218	32	0.27	-6.36e-03	-0.16	5.76e-05	-7.85e-05	0.0
218	49	-0.06	0.38	-0.27	-8.52e-04	8.12e-05	0.0
218	64	0.15	-6.24e-03	-0.17	-2.42e-05	-2.65e-05	0.0
218	81	-0.03	0.25	-0.24	-5.57e-04	5.94e-05	0.0
218	87	2.97e-03	0.02	-0.18	-1.31e-04	3.60e-05	0.0
218	88	2.62e-03	0.02	-0.19	-1.33e-04	3.57e-05	0.0
218	93	3.09e-03	0.02	-0.19	-1.30e-04	4.13e-05	0.0
218	95	2.27e-03	0.02	-0.20	-1.34e-04	4.06e-05	0.0
218	101	2.39e-03	0.02	-0.19	-1.34e-04	3.55e-05	0.0
218	102	3.00e-03	0.02	-0.19	-1.31e-04	3.71e-05	0.0
218	105	2.97e-03	0.02	-0.18	-1.31e-04	3.60e-05	0.0
218	106	2.62e-03	0.02	-0.19	-1.33e-04	3.57e-05	0.0
219	9	3.87e-03	0.02	-0.25	-1.70e-04	-4.18e-05	0.0
219	11	2.63e-03	0.02	-0.26	-1.77e-04	-4.32e-05	0.0
219	32	0.28	-0.01	-0.16	-5.79e-05	-9.94e-05	0.0
219	49	-0.06	0.38	-0.27	-8.47e-04	0.0	0.0
219	64	0.15	-8.34e-03	-0.17	-8.85e-05	-6.62e-05	0.0
219	81	-0.03	0.25	-0.24	-5.54e-04	-1.31e-05	0.0
219	87	2.94e-03	0.02	-0.18	-1.32e-04	-2.63e-05	0.0
219	88	2.59e-03	0.02	-0.19	-1.33e-04	-2.67e-05	0.0

219	93	3.05e-03	0.02	-0.19	-1.31e-04	-3.08e-05	0.0
219	95	2.23e-03	0.02	-0.20	-1.35e-04	-3.18e-05	0.0
219	101	2.35e-03	0.02	-0.19	-1.35e-04	-2.70e-05	0.0
219	102	2.96e-03	0.02	-0.19	-1.31e-04	-2.72e-05	0.0
219	105	2.94e-03	0.02	-0.18	-1.32e-04	-2.63e-05	0.0
219	106	2.59e-03	0.02	-0.19	-1.33e-04	-2.67e-05	0.0
220	9	3.82e-03	0.02	-0.26	-1.76e-04	2.39e-04	0.0
220	11	2.58e-03	0.02	-0.27	-1.83e-04	2.36e-04	0.0
220	32	0.28	-0.01	-0.17	-4.53e-05	4.16e-04	0.0
220	49	-0.06	0.37	-0.27	-8.51e-04	9.63e-05	0.0
220	64	0.15	-0.01	-0.18	-8.31e-05	2.96e-04	0.0
220	81	-0.02	0.24	-0.24	-5.56e-04	1.23e-04	0.0
220	87	2.91e-03	0.01	-0.19	-1.34e-04	1.52e-04	0.0
220	88	2.55e-03	0.02	-0.19	-1.36e-04	1.51e-04	0.0
220	93	3.02e-03	0.02	-0.19	-1.35e-04	1.77e-04	0.0
220	95	2.19e-03	0.02	-0.20	-1.39e-04	1.76e-04	0.0
220	101	2.32e-03	0.02	-0.19	-1.38e-04	1.51e-04	0.0
220	102	2.93e-03	0.01	-0.19	-1.35e-04	1.57e-04	0.0
220	105	2.91e-03	0.01	-0.19	-1.34e-04	1.52e-04	0.0
220	106	2.55e-03	0.02	-0.19	-1.36e-04	1.51e-04	0.0
221	9	3.69e-03	0.02	-0.32	-1.70e-04	5.54e-04	0.0
221	11	2.45e-03	0.02	-0.33	-1.76e-04	5.51e-04	0.0
221	32	0.28	-0.02	-0.23	-2.96e-05	2.88e-04	0.0
221	47	0.09	0.33	-0.32	-8.02e-04	3.84e-04	0.0
221	49	-0.06	0.36	-0.31	-8.48e-04	4.16e-04	0.0
221	64	0.15	-0.01	-0.23	-7.36e-05	3.18e-04	0.0
221	79	0.06	0.22	-0.28	-5.29e-04	3.72e-04	0.0
221	81	-0.02	0.23	-0.28	-5.54e-04	3.88e-04	0.0
221	87	2.82e-03	0.01	-0.23	-1.34e-04	3.52e-04	0.0
221	88	2.47e-03	0.01	-0.23	-1.35e-04	3.50e-04	0.0
221	93	2.92e-03	0.01	-0.24	-1.31e-04	4.11e-04	0.0
221	95	2.09e-03	0.02	-0.25	-1.35e-04	4.08e-04	0.0
221	101	2.23e-03	0.01	-0.23	-1.36e-04	3.50e-04	0.0
221	102	2.84e-03	0.01	-0.23	-1.33e-04	3.63e-04	0.0
221	104	2.49e-03	0.01	-0.23	-1.35e-04	3.62e-04	0.0
221	105	2.82e-03	0.01	-0.23	-1.34e-04	3.52e-04	0.0
221	106	2.47e-03	0.01	-0.23	-1.35e-04	3.50e-04	0.0
222	9	3.57e-03	0.02	-0.35	-1.73e-04	1.31e-06	0.0
222	11	2.32e-03	0.02	-0.36	-1.79e-04	-2.76e-06	0.0
222	32	0.28	-0.02	-0.24	5.58e-05	-2.51e-04	0.0
222	47	0.09	0.32	-0.34	-8.22e-04	-7.60e-06	0.0
222	49	-0.06	0.35	-0.33	-8.62e-04	1.24e-04	0.0
222	64	0.15	-0.02	-0.24	-2.74e-05	-1.39e-04	0.0
222	79	0.06	0.21	-0.30	-5.41e-04	0.0	0.0
222	81	-0.02	0.22	-0.30	-5.63e-04	7.17e-05	0.0
222	87	2.74e-03	0.01	-0.24	-1.36e-04	0.0	0.0
222	88	2.39e-03	0.01	-0.25	-1.37e-04	0.0	0.0
222	93	2.83e-03	0.01	-0.26	-1.33e-04	1.26e-06	0.0
222	95	2.00e-03	0.01	-0.27	-1.37e-04	-1.46e-06	0.0
222	101	2.15e-03	0.01	-0.25	-1.38e-04	-1.07e-06	0.0
222	102	2.76e-03	0.01	-0.25	-1.35e-04	0.0	0.0
222	104	2.40e-03	0.01	-0.25	-1.37e-04	0.0	0.0
222	105	2.74e-03	0.01	-0.24	-1.36e-04	0.0	0.0
222	106	2.39e-03	0.01	-0.25	-1.37e-04	0.0	0.0
223	9	3.41e-03	0.02	-0.31	-1.53e-04	-5.80e-04	0.0
223	11	2.15e-03	0.02	-0.32	-1.57e-04	-5.84e-04	0.0
223	32	0.28	-0.03	-0.19	6.28e-06	-3.44e-04	0.0
223	49	-0.06	0.34	-0.32	-8.41e-04	-3.37e-04	0.0
223	64	0.15	-0.02	-0.21	-4.67e-05	-3.57e-04	0.0
223	81	-0.02	0.22	-0.28	-5.44e-04	-3.47e-04	0.0
223	87	2.64e-03	0.01	-0.22	-1.20e-04	-3.67e-04	0.0
223	88	2.28e-03	0.01	-0.22	-1.21e-04	-3.68e-04	0.0
223	93	2.71e-03	0.01	-0.24	-1.18e-04	-4.29e-04	0.0
223	95	1.88e-03	0.01	-0.24	-1.21e-04	-4.32e-04	0.0
223	101	2.04e-03	0.01	-0.23	-1.22e-04	-3.69e-04	0.0
223	102	2.65e-03	0.01	-0.22	-1.19e-04	-3.80e-04	0.0
223	104	2.29e-03	0.01	-0.23	-1.21e-04	-3.81e-04	0.0
223	105	2.64e-03	0.01	-0.22	-1.20e-04	-3.67e-04	0.0
223	106	2.28e-03	0.01	-0.22	-1.21e-04	-3.68e-04	0.0
224	9	3.26e-03	0.01	-0.26	-1.44e-04	-2.52e-04	0.0
224	11	2.00e-03	0.02	-0.26	-1.48e-04	-2.55e-04	0.0
224	32	0.28	-0.03	-0.18	9.88e-05	6.44e-05	0.0
224	47	0.09	0.30	-0.29	-8.31e-04	3.14e-05	0.0
224	49	-0.06	0.32	-0.28	-8.62e-04	-1.12e-04	0.0
224	64	0.15	-0.02	-0.18	9.21e-06	-3.86e-05	0.0
224	79	0.06	0.20	-0.25	-5.34e-04	-4.97e-05	0.0
224	81	-0.02	0.21	-0.25	-5.51e-04	-1.29e-04	0.0
224	87	2.54e-03	0.01	-0.19	-1.09e-04	-1.59e-04	0.0
224	88	2.18e-03	0.01	-0.19	-1.10e-04	-1.60e-04	0.0
224	93	2.60e-03	0.01	-0.19	-1.10e-04	-1.86e-04	0.0

224	95	1.76e-03	0.01	-0.20	-1.13e-04	-1.88e-04	0.0
224	101	1.94e-03	0.01	-0.19	-1.11e-04	-1.61e-04	0.0
224	102	2.55e-03	0.01	-0.19	-1.09e-04	-1.65e-04	0.0
224	105	2.54e-03	0.01	-0.19	-1.09e-04	-1.59e-04	0.0
224	106	2.18e-03	0.01	-0.19	-1.10e-04	-1.60e-04	0.0
225	9	3.08e-03	0.01	-0.25	-1.21e-04	-2.57e-05	0.0
225	11	1.80e-03	0.01	-0.26	-1.23e-04	-3.30e-05	0.0
225	32	0.28	-0.07	-0.18	1.20e-04	-1.74e-04	0.0
225	49	-0.06	0.31	-0.30	-8.19e-04	2.73e-04	0.0
225	51	0.09	0.30	-0.32	-8.01e-04	2.23e-04	0.0
225	64	0.15	-0.04	-0.18	3.10e-05	-1.07e-04	0.0
225	81	-0.02	0.20	-0.26	-5.17e-04	1.50e-04	0.0
225	83	0.06	0.19	-0.27	-5.07e-04	1.23e-04	0.0
225	87	2.41e-03	9.34e-03	-0.18	-9.05e-05	-1.66e-05	0.0
225	88	2.05e-03	9.55e-03	-0.19	-9.11e-05	-1.86e-05	0.0
225	93	2.46e-03	9.86e-03	-0.19	-9.22e-05	-1.86e-05	0.0
225	95	1.62e-03	0.01	-0.20	-9.37e-05	-2.34e-05	0.0
225	101	1.81e-03	9.69e-03	-0.19	-9.15e-05	-2.00e-05	0.0
225	102	2.42e-03	9.45e-03	-0.18	-9.08e-05	-1.70e-05	0.0
225	105	2.41e-03	9.34e-03	-0.18	-9.05e-05	-1.66e-05	0.0
225	106	2.05e-03	9.55e-03	-0.19	-9.11e-05	-1.86e-05	0.0
226	9	3.03e-03	0.01	-0.25	-1.05e-04	8.29e-05	0.0
226	11	1.75e-03	0.01	-0.25	-1.05e-04	6.93e-05	0.0
226	32	0.28	-0.07	-0.17	7.20e-05	4.10e-05	0.0
226	49	-0.06	0.30	-0.31	-7.75e-04	0.0	0.0
226	51	0.09	0.29	-0.33	-7.94e-04	-1.12e-05	0.0
226	64	0.15	-0.04	-0.18	1.25e-05	4.45e-05	0.0
226	81	-0.03	0.19	-0.26	-4.85e-04	1.36e-05	0.0
226	83	0.06	0.18	-0.27	-4.95e-04	7.62e-06	0.0
226	87	2.38e-03	8.48e-03	-0.18	-7.54e-05	4.87e-05	0.0
226	88	2.01e-03	8.66e-03	-0.18	-7.56e-05	4.49e-05	0.0
226	93	2.43e-03	8.98e-03	-0.19	-7.93e-05	6.15e-05	0.0
226	95	1.58e-03	9.41e-03	-0.19	-7.98e-05	5.24e-05	0.0
226	101	1.77e-03	8.78e-03	-0.18	-7.58e-05	4.23e-05	0.0
226	102	2.39e-03	8.58e-03	-0.18	-7.62e-05	5.13e-05	0.0
226	104	2.02e-03	8.76e-03	-0.18	-7.64e-05	4.74e-05	0.0
226	105	2.38e-03	8.48e-03	-0.18	-7.54e-05	4.87e-05	0.0
226	106	2.01e-03	8.66e-03	-0.18	-7.56e-05	4.49e-05	0.0
227	9	2.95e-03	9.97e-03	-0.27	-6.40e-05	8.55e-05	0.0
227	11	1.67e-03	0.01	-0.27	-6.47e-05	6.15e-05	0.0
227	32	0.28	-0.08	-0.19	1.93e-04	2.44e-06	0.0
227	51	0.09	0.28	-0.31	-8.05e-04	-3.82e-04	0.0
227	53	-0.06	0.29	-0.30	-8.25e-04	-3.12e-04	0.0
227	64	0.15	-0.04	-0.19	8.82e-05	2.50e-05	0.0
227	83	0.06	0.18	-0.26	-4.93e-04	-2.17e-04	0.0
227	85	-0.03	0.18	-0.26	-5.04e-04	-1.78e-04	0.0
227	87	2.32e-03	7.11e-03	-0.19	-5.61e-05	4.53e-05	0.0
227	88	1.96e-03	7.26e-03	-0.19	-5.63e-05	3.85e-05	0.0
227	93	2.37e-03	7.51e-03	-0.20	-5.07e-05	6.30e-05	0.0
227	95	1.52e-03	7.87e-03	-0.21	-5.11e-05	4.71e-05	0.0
227	101	1.71e-03	7.37e-03	-0.20	-5.64e-05	3.39e-05	0.0
227	102	2.33e-03	7.19e-03	-0.20	-5.50e-05	4.89e-05	0.0
227	104	1.97e-03	7.34e-03	-0.20	-5.52e-05	4.20e-05	0.0
227	105	2.32e-03	7.11e-03	-0.19	-5.61e-05	4.53e-05	0.0
227	106	1.96e-03	7.26e-03	-0.19	-5.63e-05	3.85e-05	0.0
228	9	2.84e-03	9.18e-03	-0.27	-4.43e-05	-1.11e-04	0.0
228	11	1.56e-03	9.68e-03	-0.27	-4.47e-05	-1.34e-04	0.0
228	32	0.28	-0.08	-0.18	1.31e-04	-1.49e-04	0.0
228	51	0.09	0.28	-0.28	-8.01e-04	-5.20e-04	0.0
228	53	-0.06	0.28	-0.28	-7.76e-04	-4.33e-04	0.0
228	64	0.15	-0.05	-0.19	5.89e-05	-1.14e-04	0.0
228	83	0.06	0.17	-0.25	-4.87e-04	-3.49e-04	0.0
228	85	-0.03	0.18	-0.24	-4.73e-04	-3.01e-04	0.0
228	87	2.25e-03	6.55e-03	-0.19	-4.56e-05	-8.03e-05	0.0
228	88	1.88e-03	6.69e-03	-0.19	-4.57e-05	-8.68e-05	0.0
228	93	2.29e-03	6.92e-03	-0.20	-3.65e-05	-8.29e-05	0.0
228	95	1.43e-03	7.25e-03	-0.20	-3.68e-05	-9.82e-05	0.0
228	101	1.64e-03	6.79e-03	-0.19	-4.58e-05	-9.12e-05	0.0
228	102	2.26e-03	6.62e-03	-0.19	-4.38e-05	-8.08e-05	0.0
228	104	1.89e-03	6.77e-03	-0.19	-4.39e-05	-8.74e-05	0.0
228	105	2.25e-03	6.55e-03	-0.19	-4.56e-05	-8.03e-05	0.0
228	106	1.88e-03	6.69e-03	-0.19	-4.57e-05	-8.68e-05	0.0
229	4	-1.35e-03	6.83e-03	-0.24	9.61e-05	-5.12e-06	-1.20e-05
229	11	-1.09e-03	6.87e-03	-0.25	9.69e-05	-3.22e-06	-1.22e-05
229	35	0.04	0.04	-0.21	-4.23e-05	6.63e-05	-4.58e-05
229	47	0.03	0.10	-0.25	-3.81e-04	7.19e-05	-7.45e-05
229	49	9.71e-03	0.11	-0.24	-4.17e-04	4.40e-05	-9.06e-05
229	70	-0.02	-0.02	-0.16	1.26e-04	-3.76e-05	1.74e-05
229	79	0.02	0.08	-0.22	-1.79e-04	4.51e-05	-6.22e-05
229	81	9.09e-03	0.08	-0.22	-1.99e-04	2.98e-05	-7.10e-05

229	88	-3.76e-04	4.69e-03	-0.18	6.60e-05	0.0	-8.37e-06
229	92	-8.63e-04	5.10e-03	-0.18	7.18e-05	-2.83e-06	-8.97e-06
229	95	-6.92e-04	5.13e-03	-0.19	7.24e-05	-1.56e-06	-9.11e-06
229	101	-5.07e-04	4.77e-03	-0.18	6.71e-05	0.0	-8.46e-06
229	106	-3.76e-04	4.69e-03	-0.18	6.60e-05	0.0	-8.37e-06
230	9	1.18e-03	-1.49e-03	-0.19	-3.99e-06	1.82e-04	0.0
230	11	1.00e-03	-1.58e-03	-0.19	-4.23e-06	1.81e-04	0.0
230	36	0.03	-5.24e-03	-0.15	-7.73e-05	1.96e-04	0.0
230	42	-4.90e-03	-0.04	-0.14	-3.27e-04	9.21e-05	0.0
230	68	0.01	-2.21e-03	-0.15	-4.35e-05	1.58e-04	0.0
230	74	-2.39e-03	-0.02	-0.14	-1.80e-04	1.01e-04	0.0
230	87	8.64e-04	-1.06e-03	-0.14	-2.85e-06	1.12e-04	0.0
230	88	8.13e-04	-1.09e-03	-0.14	-2.92e-06	1.12e-04	0.0
230	93	9.11e-04	-1.12e-03	-0.14	-3.01e-06	1.34e-04	0.0
230	95	7.93e-04	-1.18e-03	-0.14	-3.17e-06	1.34e-04	0.0
230	101	7.79e-04	-1.10e-03	-0.14	-2.96e-06	1.12e-04	0.0
230	102	8.73e-04	-1.07e-03	-0.14	-2.88e-06	1.17e-04	0.0
230	105	8.64e-04	-1.06e-03	-0.14	-2.85e-06	1.12e-04	0.0
230	106	8.13e-04	-1.09e-03	-0.14	-2.92e-06	1.12e-04	0.0
231	4	-1.78e-03	5.38e-03	-0.24	-2.16e-05	-3.36e-05	-7.23e-06
231	11	-1.50e-03	5.38e-03	-0.24	-2.07e-05	-3.04e-05	-7.67e-06
231	38	-0.04	-0.03	-0.12	7.45e-05	-2.49e-04	1.62e-06
231	47	0.03	0.08	-0.27	-3.72e-04	1.73e-04	-6.73e-05
231	49	0.01	0.09	-0.26	-3.96e-04	6.19e-05	-8.28e-05
231	70	-0.02	-0.02	-0.14	4.21e-05	-1.48e-04	4.02e-06
231	79	0.02	0.06	-0.24	-2.33e-04	9.29e-05	-5.85e-05
231	81	9.53e-03	0.06	-0.23	-2.46e-04	3.20e-05	-6.69e-05
231	88	-5.93e-04	3.67e-03	-0.17	-1.41e-05	-1.78e-05	-5.03e-06
231	92	-1.16e-03	4.01e-03	-0.18	-1.60e-05	-2.37e-05	-5.42e-06
231	95	-9.77e-04	4.01e-03	-0.18	-1.54e-05	-2.16e-05	-5.71e-06
231	101	-7.44e-04	3.74e-03	-0.18	-1.46e-05	-1.94e-05	-5.05e-06
231	106	-5.93e-04	3.67e-03	-0.17	-1.41e-05	-1.78e-05	-5.03e-06
232	9	1.77e-03	2.57e-03	-0.22	-7.56e-05	-5.87e-05	0.0
232	11	1.60e-03	2.72e-03	-0.22	-7.49e-05	-8.56e-05	0.0
232	35	0.03	0.01	-0.19	-7.68e-05	-3.07e-04	0.0
232	47	0.02	0.05	-0.22	-2.39e-04	-4.87e-04	0.0
232	49	7.55e-03	0.05	-0.22	-2.60e-04	-4.09e-04	0.0
232	67	0.02	0.01	-0.18	-6.41e-05	-2.02e-04	0.0
232	79	0.02	0.04	-0.20	-1.61e-04	-3.19e-04	0.0
232	81	8.06e-03	0.04	-0.19	-1.73e-04	-2.76e-04	0.0
232	87	1.31e-03	1.83e-03	-0.16	-4.10e-05	-4.89e-05	0.0
232	88	1.26e-03	1.88e-03	-0.16	-4.08e-05	-5.66e-05	0.0
232	93	1.36e-03	1.94e-03	-0.16	-5.45e-05	-4.41e-05	0.0
232	95	1.25e-03	2.04e-03	-0.17	-5.41e-05	-6.20e-05	0.0
232	101	1.23e-03	1.90e-03	-0.16	-4.07e-05	-6.17e-05	0.0
232	102	1.32e-03	1.85e-03	-0.16	-4.37e-05	-4.79e-05	0.0
232	104	1.27e-03	1.90e-03	-0.16	-4.35e-05	-5.56e-05	0.0
232	105	1.31e-03	1.83e-03	-0.16	-4.10e-05	-4.89e-05	0.0
232	106	1.26e-03	1.88e-03	-0.16	-4.08e-05	-5.66e-05	0.0
233	4	-2.32e-03	-2.48e-03	-0.23	-1.06e-04	-2.58e-04	-1.55e-05
233	9	-2.49e-03	-2.28e-03	-0.22	-9.98e-05	-2.44e-04	-1.54e-05
233	11	-2.43e-03	-2.47e-03	-0.23	-1.06e-04	-2.57e-04	-1.57e-05
233	33	-0.02	-6.93e-03	-0.19	-1.10e-04	-2.24e-04	-8.02e-06
233	38	-0.03	-0.02	-0.19	1.62e-04	-2.46e-04	1.69e-05
233	48	-3.36e-03	-0.05	-0.16	5.39e-04	-2.08e-04	3.66e-05
233	65	-0.01	9.17e-04	-0.18	-1.06e-04	-2.08e-04	-1.23e-05
233	70	-0.02	-0.02	-0.18	6.84e-05	-2.22e-04	7.38e-06
233	80	-4.70e-03	-0.05	-0.16	3.04e-04	-2.00e-04	2.49e-05
233	87	-1.77e-03	-1.63e-03	-0.16	-7.19e-05	-1.78e-04	-1.14e-05
233	88	-1.76e-03	-1.68e-03	-0.16	-7.37e-05	-1.82e-04	-1.14e-05
233	92	-1.77e-03	-1.85e-03	-0.17	-7.97e-05	-1.94e-04	-1.18e-05
233	93	-1.89e-03	-1.71e-03	-0.16	-7.53e-05	-1.84e-04	-1.17e-05
233	95	-1.85e-03	-1.84e-03	-0.17	-7.96e-05	-1.93e-04	-1.19e-05
233	101	-1.75e-03	-1.72e-03	-0.16	-7.49e-05	-1.84e-04	-1.15e-05
233	102	-1.80e-03	-1.64e-03	-0.16	-7.26e-05	-1.79e-04	-1.14e-05
233	105	-1.77e-03	-1.63e-03	-0.16	-7.19e-05	-1.78e-04	-1.14e-05
233	106	-1.76e-03	-1.68e-03	-0.16	-7.37e-05	-1.82e-04	-1.14e-05
234	9	8.01e-04	-5.82e-04	-0.20	4.19e-04	-6.08e-05	0.0
234	11	5.96e-04	-6.17e-04	-0.20	4.19e-04	-6.11e-05	0.0
234	36	0.03	-6.60e-03	-0.15	2.76e-04	-3.05e-05	0.0
234	42	-3.44e-03	-0.03	-0.15	2.88e-04	-4.10e-05	0.0
234	47	1.57e-03	8.74e-03	-0.15	2.39e-04	-3.80e-05	0.0
234	68	0.02	-3.56e-03	-0.15	2.68e-04	-3.43e-05	0.0
234	74	-2.30e-04	-0.02	-0.15	2.74e-04	-3.98e-05	0.0
234	79	-5.08e-04	3.74e-03	-0.15	2.48e-04	-3.91e-05	0.0
234	87	5.92e-04	-4.14e-04	-0.15	2.58e-04	-3.92e-05	0.0
234	88	5.33e-04	-4.24e-04	-0.15	2.58e-04	-3.93e-05	0.0
234	93	6.25e-04	-4.38e-04	-0.15	3.08e-04	-4.51e-05	0.0
234	95	4.88e-04	-4.62e-04	-0.15	3.08e-04	-4.53e-05	0.0
234	101	4.94e-04	-4.31e-04	-0.15	2.58e-04	-3.93e-05	0.0

234	102	5.98e-04	-4.19e-04	-0.15	2.68e-04	-4.04e-05	0.0
234	105	5.92e-04	-4.14e-04	-0.15	2.58e-04	-3.92e-05	0.0
234	106	5.33e-04	-4.24e-04	-0.15	2.58e-04	-3.93e-05	0.0
235	9	2.72e-03	7.79e-03	-0.25	-1.39e-05	-1.95e-05	0.0
235	11	1.43e-03	8.21e-03	-0.25	-1.43e-05	-3.13e-05	0.0
235	32	0.28	-0.09	-0.17	2.63e-04	6.88e-05	0.0
235	51	0.09	0.27	-0.24	-7.99e-04	-2.29e-04	0.0
235	53	-0.06	0.28	-0.23	-8.28e-04	-2.53e-04	0.0
235	64	0.15	-0.05	-0.17	1.39e-04	3.13e-05	0.0
235	83	0.06	0.17	-0.21	-4.78e-04	-1.48e-04	0.0
235	85	-0.03	0.17	-0.21	-4.94e-04	-1.61e-04	0.0
235	87	2.17e-03	5.56e-03	-0.18	-2.88e-05	-1.72e-05	0.0
235	88	1.80e-03	5.68e-03	-0.18	-2.89e-05	-2.05e-05	0.0
235	93	2.20e-03	5.87e-03	-0.19	-1.45e-05	-1.47e-05	0.0
235	95	1.34e-03	6.15e-03	-0.19	-1.48e-05	-2.25e-05	0.0
235	101	1.55e-03	5.76e-03	-0.18	-2.90e-05	-2.28e-05	0.0
235	102	2.17e-03	5.62e-03	-0.18	-2.59e-05	-1.67e-05	0.0
235	104	1.81e-03	5.74e-03	-0.18	-2.60e-05	-2.00e-05	0.0
235	105	2.17e-03	5.56e-03	-0.18	-2.88e-05	-1.72e-05	0.0
235	106	1.80e-03	5.68e-03	-0.18	-2.89e-05	-2.05e-05	0.0
236	9	2.62e-03	6.27e-03	-0.27	1.27e-05	7.85e-05	0.0
236	11	1.32e-03	6.61e-03	-0.27	1.23e-05	7.58e-05	0.0
236	32	0.28	-0.10	-0.18	3.02e-04	0.0	0.0
236	43	3.73e-04	0.28	-0.23	-8.72e-04	-4.60e-06	0.0
236	45	-0.15	0.29	-0.23	-9.06e-04	3.07e-05	0.0
236	64	0.16	-0.05	-0.19	1.66e-04	2.26e-05	0.0
236	75	5.96e-03	0.17	-0.21	-5.12e-04	1.36e-05	0.0
236	77	-0.08	0.17	-0.21	-5.31e-04	3.30e-05	0.0
236	87	2.10e-03	4.48e-03	-0.19	-1.67e-05	4.85e-05	0.0
236	88	1.73e-03	4.58e-03	-0.19	-1.68e-05	4.77e-05	0.0
236	93	2.12e-03	4.73e-03	-0.20	4.13e-06	5.80e-05	0.0
236	95	1.26e-03	4.95e-03	-0.20	3.86e-06	5.62e-05	0.0
236	101	1.49e-03	4.64e-03	-0.19	-1.69e-05	4.72e-05	0.0
236	102	2.11e-03	4.53e-03	-0.19	-1.25e-05	5.04e-05	0.0
236	105	2.10e-03	4.48e-03	-0.19	-1.67e-05	4.85e-05	0.0
236	106	1.73e-03	4.58e-03	-0.19	-1.68e-05	4.77e-05	0.0
237	9	2.55e-03	5.11e-03	-0.26	3.54e-05	-7.13e-05	0.0
237	11	1.25e-03	5.38e-03	-0.26	3.50e-05	-7.12e-05	0.0
237	32	0.28	-0.10	-0.17	3.48e-04	-5.27e-05	0.0
237	41	-0.15	0.29	-0.23	-9.19e-04	-6.30e-05	0.0
237	45	-0.16	0.30	-0.23	-9.62e-04	-6.42e-05	0.0
237	64	0.16	-0.06	-0.18	1.97e-04	-4.83e-05	0.0
237	73	-0.08	0.18	-0.21	-5.31e-04	-5.69e-05	0.0
237	77	-0.08	0.18	-0.21	-5.55e-04	-5.76e-05	0.0
237	87	2.05e-03	3.65e-03	-0.19	-3.07e-06	-4.54e-05	0.0
237	88	1.68e-03	3.73e-03	-0.19	-3.17e-06	-4.54e-05	0.0
237	93	2.07e-03	3.85e-03	-0.20	2.08e-05	-5.28e-05	0.0
237	95	1.21e-03	4.03e-03	-0.20	2.05e-05	-5.28e-05	0.0
237	101	1.44e-03	3.78e-03	-0.19	-3.24e-06	-4.54e-05	0.0
237	102	2.06e-03	3.69e-03	-0.19	1.70e-06	-4.69e-05	0.0
237	105	2.05e-03	3.65e-03	-0.19	-3.07e-06	-4.54e-05	0.0
237	106	1.68e-03	3.73e-03	-0.19	-3.17e-06	-4.54e-05	0.0
238	4	-2.44e-03	-2.13e-03	-0.19	-4.88e-04	-3.57e-04	0.0
238	9	-2.61e-03	-2.01e-03	-0.18	-4.63e-04	-3.39e-04	0.0
238	11	-2.56e-03	-2.13e-03	-0.19	-4.88e-04	-3.57e-04	0.0
238	37	-0.02	7.60e-04	-0.16	-5.14e-04	-3.21e-04	0.0
238	38	-0.03	-0.02	-0.15	-2.79e-04	-3.39e-04	0.0
238	48	-4.04e-03	-0.04	-0.11	7.87e-05	-2.51e-04	0.0
238	69	-0.01	4.93e-03	-0.15	-4.47e-04	-2.91e-04	0.0
238	70	-0.02	-0.02	-0.14	-2.99e-04	-3.01e-04	0.0
238	80	-5.26e-03	-0.04	-0.12	-8.14e-05	-2.55e-04	0.0
238	87	-1.85e-03	-1.45e-03	-0.13	-3.35e-04	-2.46e-04	0.0
238	88	-1.84e-03	-1.48e-03	-0.13	-3.43e-04	-2.51e-04	0.0
238	92	-1.87e-03	-1.60e-03	-0.14	-3.66e-04	-2.68e-04	0.0
238	93	-1.98e-03	-1.52e-03	-0.14	-3.50e-04	-2.56e-04	0.0
238	95	-1.94e-03	-1.60e-03	-0.14	-3.66e-04	-2.68e-04	0.0
238	101	-1.83e-03	-1.50e-03	-0.14	-3.47e-04	-2.55e-04	0.0
238	102	-1.88e-03	-1.46e-03	-0.13	-3.38e-04	-2.48e-04	0.0
238	105	-1.85e-03	-1.45e-03	-0.13	-3.35e-04	-2.46e-04	0.0
238	106	-1.84e-03	-1.48e-03	-0.13	-3.43e-04	-2.51e-04	0.0
239	9	-2.53e-03	-1.77e-03	-0.15	-7.55e-04	-1.68e-04	0.0
239	11	-2.46e-03	-1.85e-03	-0.16	-7.94e-04	-1.77e-04	0.0
239	38	-0.03	-0.02	-0.12	-5.51e-04	-1.90e-04	0.0
239	48	-3.68e-03	-0.04	-0.09	-2.47e-04	-1.63e-04	0.0
239	49	1.95e-04	0.03	-0.14	-8.58e-04	-7.88e-05	0.0
239	70	-0.02	-0.02	-0.12	-5.49e-04	-1.61e-04	0.0
239	80	-5.01e-03	-0.04	-0.10	-3.68e-04	-1.48e-04	0.0
239	81	1.45e-03	0.03	-0.13	-7.49e-04	-1.02e-04	0.0
239	87	-1.80e-03	-1.28e-03	-0.11	-5.47e-04	-1.22e-04	0.0
239	88	-1.78e-03	-1.31e-03	-0.11	-5.59e-04	-1.25e-04	0.0

239	93	-1.92e-03	-1.34e-03	-0.12	-5.71e-04	-1.27e-04	0.0
239	95	-1.87e-03	-1.39e-03	-0.12	-5.97e-04	-1.33e-04	0.0
239	101	-1.77e-03	-1.32e-03	-0.12	-5.66e-04	-1.27e-04	0.0
239	102	-1.82e-03	-1.29e-03	-0.11	-5.52e-04	-1.23e-04	0.0
239	105	-1.80e-03	-1.28e-03	-0.11	-5.47e-04	-1.22e-04	0.0
239	106	-1.78e-03	-1.31e-03	-0.11	-5.59e-04	-1.25e-04	0.0
240	9	-2.40e-03	-1.55e-03	-0.14	-8.84e-04	-4.58e-05	0.0
240	11	-2.31e-03	-1.61e-03	-0.15	-9.30e-04	-4.89e-05	0.0
240	38	-0.03	-0.02	-0.11	-6.58e-04	-5.89e-05	0.0
240	48	-3.13e-03	-0.03	-0.08	-3.84e-04	-2.12e-05	0.0
240	49	-1.37e-04	0.03	-0.13	-9.08e-04	-4.43e-05	0.0
240	70	-0.02	-0.01	-0.11	-6.52e-04	-4.80e-05	0.0
240	80	-4.62e-03	-0.03	-0.09	-4.91e-04	-2.70e-05	0.0
240	81	1.26e-03	0.03	-0.12	-8.17e-04	-4.21e-05	0.0
240	87	-1.71e-03	-1.13e-03	-0.10	-6.41e-04	-3.37e-05	0.0
240	88	-1.68e-03	-1.15e-03	-0.11	-6.54e-04	-3.46e-05	0.0
240	93	-1.82e-03	-1.17e-03	-0.11	-6.68e-04	-3.47e-05	0.0
240	95	-1.76e-03	-1.21e-03	-0.11	-6.99e-04	-3.67e-05	0.0
240	101	-1.66e-03	-1.16e-03	-0.11	-6.63e-04	-3.52e-05	0.0
240	102	-1.73e-03	-1.14e-03	-0.11	-6.46e-04	-3.39e-05	0.0
240	105	-1.71e-03	-1.13e-03	-0.10	-6.41e-04	-3.37e-05	0.0
240	106	-1.68e-03	-1.15e-03	-0.11	-6.54e-04	-3.46e-05	0.0
241	9	-2.22e-03	-1.35e-03	-0.14	-9.24e-04	-9.31e-06	0.0
241	11	-2.10e-03	-1.40e-03	-0.15	-9.71e-04	-1.06e-05	0.0
241	38	-0.03	-0.01	-0.11	-6.80e-04	-2.95e-05	0.0
241	48	-2.40e-03	-0.03	-0.08	-4.35e-04	0.0	0.0
241	49	-5.99e-04	0.02	-0.13	-9.14e-04	-1.38e-05	0.0
241	70	-0.02	-0.01	-0.11	-6.78e-04	-1.96e-05	0.0
241	80	-4.11e-03	-0.03	-0.09	-5.34e-04	-2.98e-06	0.0
241	81	1.01e-03	0.03	-0.12	-8.32e-04	-1.19e-05	0.0
241	87	-1.59e-03	-9.99e-04	-0.10	-6.69e-04	-7.09e-06	0.0
241	88	-1.55e-03	-1.01e-03	-0.10	-6.83e-04	-7.46e-06	0.0
241	93	-1.69e-03	-1.03e-03	-0.11	-6.99e-04	-7.06e-06	0.0
241	95	-1.61e-03	-1.06e-03	-0.11	-7.30e-04	-7.92e-06	0.0
241	101	-1.53e-03	-1.02e-03	-0.11	-6.92e-04	-7.71e-06	0.0
241	102	-1.61e-03	-1.00e-03	-0.10	-6.75e-04	-7.08e-06	0.0
241	105	-1.59e-03	-9.99e-04	-0.10	-6.69e-04	-7.09e-06	0.0
241	106	-1.55e-03	-1.01e-03	-0.10	-6.83e-04	-7.46e-06	0.0
242	9	-2.02e-03	-1.23e-03	-0.14	-9.34e-04	1.50e-06	0.0
242	11	-1.86e-03	-1.26e-03	-0.15	-9.81e-04	0.0	0.0
242	38	-0.03	-0.01	-0.10	-6.69e-04	-2.07e-05	0.0
242	48	-1.60e-03	-0.02	-0.08	-4.42e-04	2.26e-06	0.0
242	49	-1.11e-03	0.02	-0.13	-9.21e-04	0.0	0.0
242	70	-0.02	-0.01	-0.10	-6.75e-04	-1.11e-05	0.0
242	80	-3.55e-03	-0.03	-0.09	-5.42e-04	1.63e-06	0.0
242	81	7.34e-04	0.02	-0.12	-8.38e-04	0.0	0.0
242	87	-1.45e-03	-9.11e-04	-0.10	-6.77e-04	0.0	0.0
242	88	-1.41e-03	-9.22e-04	-0.10	-6.90e-04	0.0	0.0
242	93	-1.54e-03	-9.34e-04	-0.11	-7.06e-04	1.16e-06	0.0
242	95	-1.44e-03	-9.59e-04	-0.11	-7.38e-04	0.0	0.0
242	101	-1.38e-03	-9.29e-04	-0.11	-6.99e-04	0.0	0.0
242	102	-1.47e-03	-9.16e-04	-0.10	-6.83e-04	0.0	0.0
242	105	-1.45e-03	-9.11e-04	-0.10	-6.77e-04	0.0	0.0
242	106	-1.41e-03	-9.22e-04	-0.10	-6.90e-04	0.0	0.0
243	9	-1.80e-03	-1.13e-03	-0.14	-9.36e-04	1.01e-05	0.0
243	11	-1.60e-03	-1.16e-03	-0.15	-9.82e-04	9.51e-06	0.0
243	38	-0.03	-9.36e-03	-0.10	-6.56e-04	-1.42e-05	0.0
243	48	-7.30e-04	-0.02	-0.08	-4.46e-04	4.50e-06	0.0
243	49	-1.66e-03	0.02	-0.13	-9.19e-04	1.04e-05	0.0
243	70	-0.02	-9.56e-03	-0.10	-6.68e-04	-4.78e-06	0.0
243	80	-2.94e-03	-0.02	-0.09	-5.44e-04	5.19e-06	0.0
243	81	4.40e-04	0.02	-0.12	-8.38e-04	9.10e-06	0.0
243	87	-1.31e-03	-8.42e-04	-0.10	-6.78e-04	7.31e-06	0.0
243	88	-1.25e-03	-8.51e-04	-0.11	-6.91e-04	7.15e-06	0.0
243	93	-1.38e-03	-8.60e-04	-0.11	-7.08e-04	7.70e-06	0.0
243	95	-1.25e-03	-8.79e-04	-0.11	-7.39e-04	7.32e-06	0.0
243	101	-1.21e-03	-8.56e-04	-0.11	-7.00e-04	7.04e-06	0.0
243	102	-1.32e-03	-8.46e-04	-0.10	-6.84e-04	7.39e-06	0.0
243	105	-1.31e-03	-8.42e-04	-0.10	-6.78e-04	7.31e-06	0.0
243	106	-1.25e-03	-8.51e-04	-0.11	-6.91e-04	7.15e-06	0.0
244	9	-1.58e-03	-1.04e-03	-0.14	-9.35e-04	0.0	0.0
244	11	-1.35e-03	-1.06e-03	-0.15	-9.81e-04	0.0	0.0
244	38	-0.03	-7.79e-03	-0.10	-6.46e-04	-2.27e-05	0.0
244	48	1.63e-04	-0.01	-0.08	-4.45e-04	-1.07e-05	0.0
244	49	-2.25e-03	0.01	-0.13	-9.18e-04	1.14e-05	0.0
244	70	-0.02	-8.38e-03	-0.10	-6.62e-04	-1.30e-05	0.0
244	80	-2.32e-03	-0.02	-0.09	-5.43e-04	-7.45e-06	0.0
244	81	1.22e-04	0.02	-0.12	-8.38e-04	7.59e-06	0.0
244	87	-1.17e-03	-7.82e-04	-0.10	-6.77e-04	0.0	0.0
244	88	-1.10e-03	-7.88e-04	-0.11	-6.90e-04	0.0	0.0

244	93	-1.22e-03	-7.96e-04	-0.11	-7.07e-04	0.0	0.0
244	95	-1.07e-03	-8.11e-04	-0.11	-7.38e-04	0.0	0.0
244	101	-1.05e-03	-7.92e-04	-0.11	-6.99e-04	0.0	0.0
244	102	-1.18e-03	-7.85e-04	-0.10	-6.83e-04	0.0	0.0
244	105	-1.17e-03	-7.82e-04	-0.10	-6.77e-04	0.0	0.0
244	106	-1.10e-03	-7.88e-04	-0.11	-6.90e-04	0.0	0.0
245	9	-1.38e-03	-9.86e-04	-0.14	-9.40e-04	-1.34e-05	0.0
245	11	-1.10e-03	-1.00e-03	-0.15	-9.85e-04	-1.55e-05	0.0
245	38	-0.03	-6.29e-03	-0.09	-5.92e-04	-3.55e-05	0.0
245	47	0.01	5.85e-03	-0.13	-9.38e-04	2.22e-05	0.0
245	48	1.12e-03	-0.01	-0.08	-4.58e-04	-3.16e-05	0.0
245	70	-0.02	-7.24e-03	-0.10	-6.34e-04	-2.48e-05	0.0
245	79	7.81e-03	0.01	-0.12	-8.50e-04	1.01e-05	0.0
245	80	-1.66e-03	-0.02	-0.09	-5.51e-04	-2.45e-05	0.0
245	87	-1.03e-03	-7.41e-04	-0.10	-6.81e-04	-9.38e-06	0.0
245	88	-9.50e-04	-7.45e-04	-0.10	-6.94e-04	-9.99e-06	0.0
245	93	-1.07e-03	-7.54e-04	-0.11	-7.11e-04	-9.96e-06	0.0
245	95	-8.86e-04	-7.63e-04	-0.11	-7.41e-04	-1.14e-05	0.0
245	101	-8.97e-04	-7.48e-04	-0.11	-7.02e-04	-1.04e-05	0.0
245	102	-1.04e-03	-7.44e-04	-0.10	-6.87e-04	-9.50e-06	0.0
245	105	-1.03e-03	-7.41e-04	-0.10	-6.81e-04	-9.38e-06	0.0
245	106	-9.50e-04	-7.45e-04	-0.10	-6.94e-04	-9.99e-06	0.0
246	9	-1.22e-03	-9.31e-04	-0.14	-9.41e-04	1.01e-05	0.0
246	11	-9.03e-04	-9.38e-04	-0.15	-9.84e-04	8.63e-06	0.0
246	38	-0.03	-5.12e-03	-0.09	-5.79e-04	-2.01e-05	0.0
246	47	0.01	4.25e-03	-0.13	-9.54e-04	4.49e-05	0.0
246	48	1.91e-03	-8.62e-03	-0.08	-4.47e-04	-2.02e-05	0.0
246	70	-0.02	-6.32e-03	-0.10	-6.27e-04	-8.80e-06	0.0
246	79	7.48e-03	0.01	-0.12	-8.60e-04	3.14e-05	0.0
246	80	-1.12e-03	-0.02	-0.09	-5.44e-04	-1.13e-05	0.0
246	87	-9.28e-04	-7.01e-04	-0.10	-6.82e-04	7.69e-06	0.0
246	88	-8.37e-04	-7.03e-04	-0.10	-6.94e-04	7.26e-06	0.0
246	93	-9.59e-04	-7.12e-04	-0.11	-7.12e-04	7.87e-06	0.0
246	95	-7.47e-04	-7.17e-04	-0.11	-7.41e-04	6.87e-06	0.0
246	101	-7.76e-04	-7.04e-04	-0.11	-7.02e-04	6.98e-06	0.0
246	102	-9.34e-04	-7.03e-04	-0.10	-6.88e-04	7.73e-06	0.0
246	104	-8.43e-04	-7.05e-04	-0.11	-7.00e-04	7.30e-06	0.0
246	105	-9.28e-04	-7.01e-04	-0.10	-6.82e-04	7.69e-06	0.0
246	106	-8.37e-04	-7.03e-04	-0.10	-6.94e-04	7.26e-06	0.0
247	9	-1.09e-03	-8.54e-04	-0.14	-9.18e-04	5.54e-05	0.0
247	11	-7.26e-04	-8.56e-04	-0.15	-9.58e-04	5.51e-05	0.0
247	38	-0.03	-4.04e-03	-0.09	-5.45e-04	5.02e-06	0.0
247	47	0.01	2.94e-03	-0.14	-9.59e-04	8.84e-05	0.0
247	48	2.68e-03	-6.51e-03	-0.08	-4.14e-04	3.82e-06	0.0
247	70	-0.02	-5.42e-03	-0.10	-5.99e-04	1.97e-05	0.0
247	79	7.15e-03	0.01	-0.13	-8.57e-04	7.21e-05	0.0
247	80	-5.96e-04	-0.01	-0.09	-5.16e-04	1.60e-05	0.0
247	87	-8.39e-04	-6.46e-04	-0.11	-6.66e-04	4.06e-05	0.0
247	88	-7.37e-04	-6.47e-04	-0.11	-6.77e-04	4.05e-05	0.0
247	93	-8.61e-04	-6.54e-04	-0.11	-6.95e-04	4.22e-05	0.0
247	95	-6.21e-04	-6.56e-04	-0.11	-7.22e-04	4.20e-05	0.0
247	101	-6.68e-04	-6.48e-04	-0.11	-6.85e-04	4.04e-05	0.0
247	102	-8.44e-04	-6.48e-04	-0.11	-6.72e-04	4.09e-05	0.0
247	104	-7.41e-04	-6.49e-04	-0.11	-6.83e-04	4.08e-05	0.0
247	105	-8.39e-04	-6.46e-04	-0.11	-6.66e-04	4.06e-05	0.0
247	106	-7.37e-04	-6.47e-04	-0.11	-6.77e-04	4.05e-05	0.0
248	9	-1.04e-03	-7.69e-04	-0.14	-7.99e-04	1.67e-04	0.0
248	11	-6.53e-04	-7.76e-04	-0.15	-8.32e-04	1.70e-04	0.0
248	34	-0.03	9.69e-04	-0.09	-4.75e-04	8.06e-05	0.0
248	47	9.88e-03	3.39e-03	-0.14	-8.88e-04	1.78e-04	0.0
248	50	-0.01	-4.85e-03	-0.07	-2.81e-04	6.19e-05	0.0
248	66	-0.02	-2.42e-03	-0.10	-5.22e-04	9.80e-05	0.0
248	79	6.59e-03	0.01	-0.13	-7.75e-04	1.62e-04	0.0
248	82	-7.99e-03	-0.01	-0.08	-4.03e-04	8.39e-05	0.0
248	87	-8.10e-04	-5.80e-04	-0.10	-5.79e-04	1.22e-04	0.0
248	88	-7.00e-04	-5.82e-04	-0.11	-5.89e-04	1.23e-04	0.0
248	93	-8.26e-04	-5.88e-04	-0.11	-6.05e-04	1.27e-04	0.0
248	95	-5.71e-04	-5.93e-04	-0.11	-6.27e-04	1.29e-04	0.0
248	101	-6.27e-04	-5.84e-04	-0.11	-5.95e-04	1.23e-04	0.0
248	102	-8.13e-04	-5.82e-04	-0.10	-5.84e-04	1.23e-04	0.0
248	104	-7.03e-04	-5.84e-04	-0.11	-5.94e-04	1.24e-04	0.0
248	105	-8.10e-04	-5.80e-04	-0.10	-5.79e-04	1.22e-04	0.0
248	106	-7.00e-04	-5.82e-04	-0.11	-5.89e-04	1.23e-04	0.0
249	9	8.26e-04	-8.37e-04	-0.18	2.41e-04	-1.86e-04	0.0
249	11	6.22e-04	-8.86e-04	-0.18	2.41e-04	-1.86e-04	0.0
249	36	0.03	-8.12e-03	-0.14	1.94e-04	-1.18e-04	0.0
249	42	-3.43e-03	-0.03	-0.14	2.13e-04	-9.18e-05	0.0
249	48	0.01	-7.73e-03	-0.14	1.98e-04	-1.06e-04	0.0
249	68	0.02	-4.23e-03	-0.14	1.72e-04	-1.18e-04	0.0
249	74	-2.49e-04	-0.02	-0.14	1.82e-04	-1.04e-04	0.0

249	80	9.21e-03	-2.84e-03	-0.14	1.74e-04	-1.12e-04	0.0
249	87	6.06e-04	-5.95e-04	-0.13	1.44e-04	-1.17e-04	0.0
249	88	5.47e-04	-6.09e-04	-0.13	1.44e-04	-1.17e-04	0.0
249	93	6.43e-04	-6.30e-04	-0.14	1.76e-04	-1.37e-04	0.0
249	95	5.07e-04	-6.63e-04	-0.14	1.76e-04	-1.37e-04	0.0
249	101	5.08e-04	-6.18e-04	-0.13	1.44e-04	-1.17e-04	0.0
249	102	6.13e-04	-6.02e-04	-0.14	1.51e-04	-1.21e-04	0.0
249	105	6.06e-04	-5.95e-04	-0.13	1.44e-04	-1.17e-04	0.0
249	106	5.47e-04	-6.09e-04	-0.13	1.44e-04	-1.17e-04	0.0
250	9	8.51e-04	-1.02e-03	-0.17	1.09e-04	5.90e-06	0.0
250	11	6.48e-04	-1.08e-03	-0.17	1.09e-04	6.05e-06	0.0
250	36	0.03	-9.78e-03	-0.13	1.05e-04	-1.25e-05	0.0
250	42	-3.40e-03	-0.04	-0.14	2.17e-04	1.23e-04	0.0
250	68	0.02	-5.01e-03	-0.13	8.56e-05	-2.85e-06	0.0
250	74	-2.43e-04	-0.02	-0.13	1.47e-04	7.13e-05	0.0
250	87	6.21e-04	-7.26e-04	-0.13	6.18e-05	9.13e-06	0.0
250	88	5.63e-04	-7.44e-04	-0.13	6.18e-05	9.18e-06	0.0
250	93	6.61e-04	-7.68e-04	-0.13	7.89e-05	5.51e-06	0.0
250	95	5.26e-04	-8.08e-04	-0.13	7.89e-05	5.61e-06	0.0
250	101	5.24e-04	-7.55e-04	-0.13	6.18e-05	9.21e-06	0.0
250	102	6.29e-04	-7.35e-04	-0.13	6.52e-05	8.41e-06	0.0
250	104	5.71e-04	-7.52e-04	-0.13	6.52e-05	8.45e-06	0.0
250	105	6.21e-04	-7.26e-04	-0.13	6.18e-05	9.13e-06	0.0
250	106	5.63e-04	-7.44e-04	-0.13	6.18e-05	9.18e-06	0.0
251	4	5.72e-04	-1.25e-03	-0.18	8.27e-05	2.71e-04	0.0
251	9	8.96e-04	-1.17e-03	-0.19	9.01e-05	2.87e-04	0.0
251	11	6.93e-04	-1.25e-03	-0.19	9.05e-05	2.87e-04	0.0
251	36	0.03	-4.95e-03	-0.14	5.47e-05	2.36e-04	0.0
251	42	-3.36e-03	-0.04	-0.16	5.07e-04	2.02e-04	0.0
251	68	0.02	-2.20e-03	-0.14	5.49e-05	2.17e-04	0.0
251	74	-2.21e-04	-0.02	-0.15	3.03e-04	1.98e-04	0.0
251	87	6.48e-04	-8.43e-04	-0.14	5.58e-05	1.94e-04	0.0
251	88	5.90e-04	-8.64e-04	-0.14	5.59e-05	1.94e-04	0.0
251	92	4.78e-04	-9.33e-04	-0.14	6.14e-05	2.05e-04	0.0
251	93	6.94e-04	-8.84e-04	-0.14	6.64e-05	2.15e-04	0.0
251	95	5.59e-04	-9.33e-04	-0.14	6.66e-05	2.15e-04	0.0
251	101	5.52e-04	-8.78e-04	-0.14	5.60e-05	1.94e-04	0.0
251	102	6.58e-04	-8.51e-04	-0.14	5.79e-05	1.98e-04	0.0
251	104	6.00e-04	-8.72e-04	-0.14	5.80e-05	1.98e-04	0.0
251	105	6.48e-04	-8.43e-04	-0.14	5.58e-05	1.94e-04	0.0
251	106	5.90e-04	-8.64e-04	-0.14	5.59e-05	1.94e-04	0.0
252	4	6.24e-04	-1.12e-03	-0.23	1.93e-04	3.64e-04	-1.16e-06
252	9	9.49e-04	-1.00e-03	-0.23	2.03e-04	3.92e-04	0.0
252	28	0.03	0.01	-0.19	3.76e-04	4.57e-04	5.40e-05
252	36	0.03	-5.03e-03	-0.19	3.27e-04	4.58e-04	5.12e-05
252	42	-3.51e-03	-0.04	-0.17	8.29e-04	1.56e-04	1.93e-05
252	60	0.01	7.96e-03	-0.18	2.69e-04	3.67e-04	3.14e-05
252	68	0.02	-1.96e-03	-0.18	2.42e-04	3.68e-04	2.99e-05
252	74	-3.87e-04	-0.02	-0.17	5.17e-04	2.03e-04	1.71e-05
252	87	6.84e-04	-7.50e-04	-0.17	1.38e-04	2.57e-04	0.0
252	88	6.27e-04	-7.75e-04	-0.17	1.38e-04	2.56e-04	0.0
252	92	5.18e-04	-8.40e-04	-0.18	1.46e-04	2.73e-04	0.0
252	93	7.34e-04	-7.60e-04	-0.18	1.52e-04	2.92e-04	0.0
252	101	5.88e-04	-7.92e-04	-0.17	1.38e-04	2.56e-04	0.0
252	102	6.94e-04	-7.52e-04	-0.17	1.41e-04	2.64e-04	0.0
252	105	6.84e-04	-7.50e-04	-0.17	1.38e-04	2.57e-04	0.0
252	106	6.27e-04	-7.75e-04	-0.17	1.38e-04	2.56e-04	0.0
253	4	-3.63e-04	-2.03e-03	-0.23	-6.44e-05	2.37e-04	6.45e-06
253	9	-9.68e-04	-1.86e-03	-0.23	-6.11e-05	2.35e-04	6.96e-06
253	11	-5.48e-04	-2.02e-03	-0.24	-6.47e-05	2.41e-04	6.70e-06
253	34	-0.03	-1.07e-03	-0.14	3.50e-05	1.05e-04	1.64e-05
253	44	3.60e-03	-4.81e-03	-0.14	1.38e-04	1.32e-04	1.67e-05
253	51	9.57e-03	-3.86e-04	-0.23	-3.39e-04	2.63e-04	-1.17e-05
253	66	-0.02	-3.33e-03	-0.15	5.99e-06	1.34e-04	1.38e-05
253	76	1.35e-04	-0.01	-0.15	7.78e-05	1.43e-04	1.87e-05
253	83	6.36e-03	6.53e-03	-0.21	-2.29e-04	2.31e-04	-1.15e-05
253	87	-7.74e-04	-1.31e-03	-0.17	-4.36e-05	1.71e-04	5.15e-06
253	88	-6.54e-04	-1.36e-03	-0.17	-4.46e-05	1.72e-04	5.08e-06
253	92	-3.77e-04	-1.51e-03	-0.18	-4.82e-05	1.80e-04	4.99e-06
253	93	-7.80e-04	-1.39e-03	-0.17	-4.60e-05	1.78e-04	5.33e-06
253	95	-5.00e-04	-1.50e-03	-0.18	-4.84e-05	1.82e-04	5.15e-06
253	101	-5.74e-04	-1.39e-03	-0.17	-4.53e-05	1.73e-04	5.03e-06
253	102	-7.75e-04	-1.33e-03	-0.17	-4.41e-05	1.72e-04	5.19e-06
253	105	-7.74e-04	-1.31e-03	-0.17	-4.36e-05	1.71e-04	5.15e-06
253	106	-6.54e-04	-1.36e-03	-0.17	-4.46e-05	1.72e-04	5.08e-06
254	9	2.51e-03	4.30e-03	-0.27	3.94e-05	2.28e-04	0.0
254	11	1.21e-03	4.52e-03	-0.27	3.91e-05	2.28e-04	0.0
254	32	0.28	-0.11	-0.18	3.68e-04	2.44e-04	0.0
254	39	-2.62e-03	0.32	-0.23	-1.01e-03	1.81e-04	0.0
254	64	0.16	-0.06	-0.18	2.09e-04	1.99e-04	0.0

254	71	4.25e-03	0.19	-0.21	-5.77e-04	1.65e-04	0.0
254	75	5.46e-03	0.18	-0.21	-5.51e-04	1.65e-04	0.0
254	87	2.03e-03	3.07e-03	-0.19	0.0	1.44e-04	0.0
254	88	1.66e-03	3.13e-03	-0.19	0.0	1.44e-04	0.0
254	93	2.04e-03	3.24e-03	-0.20	2.38e-05	1.69e-04	0.0
254	95	1.18e-03	3.39e-03	-0.20	2.36e-05	1.69e-04	0.0
254	101	1.41e-03	3.17e-03	-0.19	0.0	1.44e-04	0.0
254	102	2.03e-03	3.10e-03	-0.19	4.34e-06	1.49e-04	0.0
254	105	2.03e-03	3.07e-03	-0.19	0.0	1.44e-04	0.0
254	106	1.66e-03	3.13e-03	-0.19	0.0	1.44e-04	0.0
255	9	2.41e-03	2.81e-03	-0.33	4.49e-05	4.28e-04	0.0
255	11	1.11e-03	2.95e-03	-0.33	4.47e-05	4.29e-04	0.0
255	32	0.29	-0.12	-0.22	4.03e-04	1.81e-04	0.0
255	39	-2.88e-03	0.34	-0.28	-1.09e-03	2.97e-04	0.0
255	64	0.16	-0.07	-0.23	2.27e-04	2.22e-04	0.0
255	71	4.07e-03	0.20	-0.26	-6.22e-04	2.85e-04	0.0
255	87	1.97e-03	2.01e-03	-0.23	-1.42e-06	2.71e-04	0.0
255	88	1.60e-03	2.05e-03	-0.23	-1.47e-06	2.71e-04	0.0
255	93	1.97e-03	2.12e-03	-0.25	2.68e-05	3.17e-04	0.0
255	95	1.10e-03	2.21e-03	-0.25	2.67e-05	3.17e-04	0.0
255	101	1.35e-03	2.07e-03	-0.23	-1.50e-06	2.72e-04	0.0
255	102	1.97e-03	2.03e-03	-0.23	4.23e-06	2.80e-04	0.0
255	105	1.97e-03	2.01e-03	-0.23	-1.42e-06	2.71e-04	0.0
255	106	1.60e-03	2.05e-03	-0.23	-1.47e-06	2.71e-04	0.0
256	1	2.33e-03	1.55e-03	-0.31	1.40e-06	-1.76e-04	0.0
256	9	2.32e-03	1.65e-03	-0.34	4.48e-05	-2.09e-04	0.0
256	11	1.02e-03	1.72e-03	-0.34	4.47e-05	-2.08e-04	0.0
256	32	0.29	-0.13	-0.22	4.31e-04	-2.49e-04	0.0
256	39	-2.92e-03	0.36	-0.29	-1.16e-03	-1.13e-04	0.0
256	41	-0.15	0.33	-0.29	-1.08e-03	-5.38e-05	0.0
256	64	0.16	-0.08	-0.23	2.42e-04	-1.96e-04	0.0
256	71	4.02e-03	0.21	-0.26	-6.56e-04	-1.23e-04	0.0
256	73	-0.08	0.19	-0.27	-6.12e-04	-9.04e-05	0.0
256	87	1.91e-03	1.18e-03	-0.24	-2.34e-06	-1.33e-04	0.0
256	88	1.54e-03	1.20e-03	-0.24	-2.37e-06	-1.33e-04	0.0
256	89	1.91e-03	1.18e-03	-0.24	-2.34e-06	-1.33e-04	0.0
256	93	1.90e-03	1.24e-03	-0.26	2.66e-05	-1.55e-04	0.0
256	95	1.04e-03	1.29e-03	-0.26	2.66e-05	-1.54e-04	0.0
256	100	1.91e-03	1.18e-03	-0.24	-2.34e-06	-1.33e-04	0.0
256	101	1.29e-03	1.21e-03	-0.24	-2.38e-06	-1.33e-04	0.0
256	102	1.91e-03	1.19e-03	-0.24	3.45e-06	-1.37e-04	0.0
256	105	1.91e-03	1.18e-03	-0.24	-2.34e-06	-1.33e-04	0.0
256	106	1.54e-03	1.20e-03	-0.24	-2.37e-06	-1.33e-04	0.0
257	1	2.25e-03	-1.96e-04	-0.25	2.19e-05	-1.96e-04	0.0
257	4	3.84e-04	-2.57e-04	-0.26	4.24e-05	-2.16e-04	0.0
257	11	9.27e-04	-2.46e-04	-0.26	6.26e-05	-2.35e-04	0.0
257	32	0.29	-0.15	-0.17	4.95e-04	-4.17e-05	0.0
257	41	-0.15	0.36	-0.24	-1.15e-03	-2.03e-04	0.0
257	42	6.20e-03	-0.39	-0.14	1.28e-03	-1.50e-04	0.0
257	64	0.16	-0.08	-0.18	2.83e-04	-8.96e-05	0.0
257	73	-0.08	0.20	-0.22	-6.42e-04	-1.78e-04	0.0
257	74	-1.11e-03	-0.22	-0.16	7.24e-04	-1.49e-04	0.0
257	87	1.85e-03	-1.47e-04	-0.19	1.36e-05	-1.48e-04	0.0
257	88	1.48e-03	-1.58e-04	-0.19	1.36e-05	-1.48e-04	0.0
257	89	1.85e-03	-1.47e-04	-0.19	1.36e-05	-1.48e-04	0.0
257	92	6.03e-04	-1.87e-04	-0.19	2.73e-05	-1.61e-04	0.0
257	95	9.65e-04	-1.80e-04	-0.20	4.08e-05	-1.73e-04	0.0
257	100	1.85e-03	-1.47e-04	-0.19	1.36e-05	-1.48e-04	0.0
257	101	1.23e-03	-1.65e-04	-0.19	1.37e-05	-1.48e-04	0.0
257	104	1.47e-03	-1.59e-04	-0.19	1.90e-05	-1.53e-04	0.0
257	105	1.85e-03	-1.47e-04	-0.19	1.36e-05	-1.48e-04	0.0
257	106	1.48e-03	-1.58e-04	-0.19	1.36e-05	-1.48e-04	0.0
258	1	2.24e-03	-5.75e-04	-0.24	2.64e-05	-2.69e-05	0.0
258	4	3.74e-04	-6.81e-04	-0.25	4.74e-05	-2.96e-05	0.0
258	9	2.22e-03	-6.11e-04	-0.26	6.79e-05	-3.16e-05	0.0
258	32	0.29	-0.15	-0.16	5.07e-04	5.25e-05	0.0
258	39	-2.66e-03	0.40	-0.24	-1.26e-03	-2.66e-05	0.0
258	42	6.10e-03	-0.40	-0.13	1.30e-03	-1.41e-05	0.0
258	64	0.16	-0.09	-0.17	2.91e-04	1.97e-05	0.0
258	71	4.11e-03	0.22	-0.21	-7.03e-04	-2.38e-05	0.0
258	74	-1.17e-03	-0.23	-0.16	7.37e-04	-1.69e-05	0.0
258	87	1.84e-03	-4.34e-04	-0.19	1.70e-05	-2.03e-05	0.0
258	88	1.47e-03	-4.52e-04	-0.19	1.70e-05	-2.04e-05	0.0
258	89	1.84e-03	-4.34e-04	-0.19	1.70e-05	-2.03e-05	0.0
258	92	5.96e-04	-5.05e-04	-0.19	3.10e-05	-2.21e-05	0.0
258	93	1.82e-03	-4.58e-04	-0.20	4.47e-05	-2.34e-05	0.0
258	100	1.84e-03	-4.34e-04	-0.19	1.70e-05	-2.03e-05	0.0
258	101	1.22e-03	-4.64e-04	-0.19	1.71e-05	-2.04e-05	0.0
258	102	1.84e-03	-4.39e-04	-0.19	2.25e-05	-2.09e-05	0.0
258	105	1.84e-03	-4.34e-04	-0.19	1.70e-05	-2.03e-05	0.0

258	106	1.47e-03	-4.52e-04	-0.19	1.70e-05	-2.04e-05	0.0
259	1	2.20e-03	-1.65e-03	-0.25	2.03e-05	2.60e-05	0.0
259	4	3.25e-04	-1.88e-03	-0.26	4.16e-05	2.92e-05	0.0
259	9	2.16e-03	-1.76e-03	-0.27	6.18e-05	3.20e-05	0.0
259	32	0.29	-0.16	-0.17	5.28e-04	-6.61e-05	0.0
259	39	-2.32e-03	0.42	-0.24	-1.32e-03	2.96e-05	0.0
259	42	5.70e-03	-0.42	-0.14	1.35e-03	9.50e-06	0.0
259	64	0.16	-0.09	-0.18	3.00e-04	-2.72e-05	0.0
259	71	4.27e-03	0.23	-0.22	-7.35e-04	2.40e-05	0.0
259	74	-1.40e-03	-0.24	-0.16	7.59e-04	1.52e-05	0.0
259	87	1.81e-03	-1.25e-03	-0.19	1.23e-05	1.95e-05	0.0
259	88	1.44e-03	-1.29e-03	-0.19	1.24e-05	1.96e-05	0.0
259	89	1.81e-03	-1.25e-03	-0.19	1.23e-05	1.95e-05	0.0
259	92	5.60e-04	-1.41e-03	-0.19	2.65e-05	2.17e-05	0.0
259	93	1.79e-03	-1.32e-03	-0.20	4.00e-05	2.35e-05	0.0
259	100	1.81e-03	-1.25e-03	-0.19	1.23e-05	1.95e-05	0.0
259	101	1.19e-03	-1.31e-03	-0.19	1.25e-05	1.96e-05	0.0
259	102	1.81e-03	-1.26e-03	-0.19	1.79e-05	2.03e-05	0.0
259	105	1.81e-03	-1.25e-03	-0.19	1.23e-05	1.95e-05	0.0
259	106	1.44e-03	-1.29e-03	-0.19	1.24e-05	1.96e-05	0.0
260	1	2.15e-03	-2.72e-03	-0.25	2.94e-05	6.27e-06	0.0
260	9	2.11e-03	-2.89e-03	-0.26	6.92e-05	6.99e-06	0.0
260	11	8.07e-04	-3.08e-03	-0.26	6.96e-05	6.79e-06	0.0
260	32	0.29	-0.17	-0.16	5.59e-04	1.86e-06	0.0
260	41	-0.15	0.40	-0.25	-1.24e-03	7.24e-05	0.0
260	42	5.22e-03	-0.44	-0.13	1.40e-03	-7.67e-05	0.0
260	64	0.16	-0.10	-0.17	3.19e-04	3.31e-06	0.0
260	73	-0.08	0.22	-0.22	-6.83e-04	4.12e-05	0.0
260	74	-1.67e-03	-0.25	-0.16	7.92e-04	-3.93e-05	0.0
260	87	1.77e-03	-2.06e-03	-0.19	1.94e-05	4.79e-06	0.0
260	88	1.40e-03	-2.11e-03	-0.19	1.95e-05	4.73e-06	0.0
260	89	1.77e-03	-2.06e-03	-0.19	1.94e-05	4.79e-06	0.0
260	93	1.74e-03	-2.17e-03	-0.20	4.59e-05	5.26e-06	0.0
260	95	8.77e-04	-2.30e-03	-0.20	4.63e-05	5.13e-06	0.0
260	100	1.77e-03	-2.06e-03	-0.19	1.94e-05	4.79e-06	0.0
260	101	1.16e-03	-2.15e-03	-0.19	1.96e-05	4.69e-06	0.0
260	102	1.77e-03	-2.08e-03	-0.19	2.47e-05	4.88e-06	0.0
260	105	1.77e-03	-2.06e-03	-0.19	1.94e-05	4.79e-06	0.0
260	106	1.40e-03	-2.11e-03	-0.19	1.95e-05	4.73e-06	0.0
261	1	2.13e-03	-3.41e-03	-0.26	2.35e-05	3.72e-04	0.0
261	9	2.08e-03	-3.62e-03	-0.28	5.88e-05	4.40e-04	0.0
261	11	7.81e-04	-3.86e-03	-0.28	5.94e-05	4.39e-04	0.0
261	32	0.29	-0.18	-0.18	5.72e-04	3.34e-04	0.0
261	39	-1.63e-03	0.45	-0.26	-1.41e-03	4.60e-04	0.0
261	42	4.91e-03	-0.46	-0.13	1.44e-03	1.01e-04	0.0
261	64	0.16	-0.10	-0.19	3.24e-04	3.10e-04	0.0
261	71	4.62e-03	0.25	-0.23	-7.77e-04	3.79e-04	0.0
261	74	-1.84e-03	-0.25	-0.16	8.08e-04	1.82e-04	0.0
261	87	1.76e-03	-2.59e-03	-0.20	1.53e-05	2.81e-04	0.0
261	88	1.39e-03	-2.66e-03	-0.20	1.54e-05	2.80e-04	0.0
261	89	1.76e-03	-2.59e-03	-0.20	1.53e-05	2.81e-04	0.0
261	93	1.73e-03	-2.73e-03	-0.21	3.88e-05	3.26e-04	0.0
261	95	8.58e-04	-2.89e-03	-0.21	3.92e-05	3.26e-04	0.0
261	100	1.76e-03	-2.59e-03	-0.20	1.53e-05	2.81e-04	0.0
261	101	1.14e-03	-2.70e-03	-0.20	1.55e-05	2.80e-04	0.0
261	102	1.75e-03	-2.62e-03	-0.20	2.00e-05	2.90e-04	0.0
261	105	1.76e-03	-2.59e-03	-0.20	1.53e-05	2.81e-04	0.0
261	106	1.39e-03	-2.66e-03	-0.20	1.54e-05	2.80e-04	0.0
262	9	1.43e-03	-1.67e-03	-0.21	-2.81e-04	2.65e-04	0.0
262	11	1.26e-03	-1.76e-03	-0.21	-2.81e-04	2.64e-04	0.0
262	31	0.03	4.25e-03	-0.16	-2.04e-04	2.48e-04	0.0
262	42	-7.50e-03	-0.04	-0.17	-2.97e-04	2.63e-04	0.0
262	44	6.60e-03	-0.04	-0.18	-3.27e-04	3.33e-04	0.0
262	63	0.01	6.35e-04	-0.16	-1.98e-04	2.13e-04	0.0
262	74	-4.45e-03	-0.02	-0.16	-2.48e-04	2.20e-04	0.0
262	76	3.31e-03	-0.02	-0.17	-2.65e-04	2.58e-04	0.0
262	87	1.04e-03	-1.18e-03	-0.15	-1.90e-04	1.69e-04	0.0
262	88	9.89e-04	-1.20e-03	-0.15	-1.90e-04	1.69e-04	0.0
262	93	1.10e-03	-1.26e-03	-0.16	-2.10e-04	1.96e-04	0.0
262	95	9.87e-04	-1.32e-03	-0.16	-2.10e-04	1.96e-04	0.0
262	101	9.58e-04	-1.22e-03	-0.15	-1.90e-04	1.69e-04	0.0
262	102	1.05e-03	-1.19e-03	-0.15	-1.94e-04	1.75e-04	0.0
262	105	1.04e-03	-1.18e-03	-0.15	-1.90e-04	1.69e-04	0.0
262	106	9.89e-04	-1.20e-03	-0.15	-1.90e-04	1.69e-04	0.0
263	4	-7.81e-03	-9.81e-03	-0.21	1.67e-05	-9.00e-04	0.0
263	11	-7.34e-03	-9.89e-03	-0.21	1.26e-05	-9.84e-04	0.0
263	18	-7.40e-03	-9.76e-03	-0.21	2.76e-05	-9.10e-04	0.0
263	34	-0.28	-0.10	-0.18	2.81e-04	-9.36e-04	0.0
263	40	1.11e-03	-0.49	-0.37	1.46e-03	-4.51e-04	0.0
263	42	-0.15	-0.56	-0.34	1.64e-03	-6.50e-04	0.0

263	66	-0.16	-0.05	-0.17	1.60e-04	-7.90e-04	0.0
263	72	3.95e-03	-0.27	-0.27	8.09e-04	-5.23e-04	0.0
263	74	-0.08	-0.30	-0.26	9.09e-04	-6.32e-04	0.0
263	88	-4.20e-03	-6.79e-03	-0.16	1.50e-05	-6.12e-04	0.0
263	92	-5.54e-03	-7.35e-03	-0.16	1.35e-05	-6.70e-04	0.0
263	95	-5.22e-03	-7.40e-03	-0.16	1.07e-05	-7.26e-04	0.0
263	99	-5.26e-03	-7.31e-03	-0.16	2.07e-05	-6.76e-04	0.0
263	101	-4.53e-03	-6.89e-03	-0.16	1.52e-05	-6.12e-04	0.0
263	104	-4.27e-03	-6.87e-03	-0.16	1.40e-05	-6.35e-04	0.0
263	106	-4.20e-03	-6.79e-03	-0.16	1.50e-05	-6.12e-04	0.0
264	9	1.93e-04	0.02	-0.23	-4.64e-05	5.87e-06	-2.37e-05
264	11	1.16e-04	0.02	-0.24	-5.04e-05	8.84e-06	-2.51e-05
264	35	0.04	0.09	-0.16	-2.52e-04	1.45e-04	-1.78e-05
264	49	-3.06e-04	0.20	-0.24	-5.95e-04	-7.07e-05	-7.18e-05
264	67	0.02	0.06	-0.17	-1.66e-04	8.29e-05	-1.88e-05
264	81	2.27e-03	0.15	-0.21	-3.83e-04	-3.63e-05	-5.14e-05
264	87	1.14e-04	0.01	-0.17	-3.35e-05	6.89e-06	-1.69e-05
264	88	9.24e-05	0.01	-0.17	-3.46e-05	7.74e-06	-1.73e-05
264	93	1.47e-04	0.01	-0.17	-3.50e-05	4.82e-06	-1.78e-05
264	95	9.54e-05	0.01	-0.18	-3.76e-05	6.80e-06	-1.88e-05
264	101	7.78e-05	0.01	-0.17	-3.54e-05	8.30e-06	-1.75e-05
264	102	1.21e-04	0.01	-0.17	-3.38e-05	6.47e-06	-1.71e-05
264	105	1.14e-04	0.01	-0.17	-3.35e-05	6.89e-06	-1.69e-05
264	106	9.24e-05	0.01	-0.17	-3.46e-05	7.74e-06	-1.73e-05
265	9	1.82e-03	1.95e-03	-0.19	-3.17e-04	-2.80e-05	0.0
265	11	1.65e-03	2.05e-03	-0.19	-3.18e-04	-3.62e-05	0.0
265	35	0.03	0.01	-0.15	-2.05e-04	-6.60e-05	0.0
265	47	0.02	0.04	-0.15	-2.74e-04	-1.08e-04	0.0
265	49	2.20e-03	0.04	-0.15	-2.85e-04	-9.61e-05	0.0
265	67	0.02	8.81e-03	-0.15	-2.04e-04	-4.75e-05	0.0
265	79	0.01	0.03	-0.15	-2.44e-04	-7.54e-05	0.0
265	81	3.82e-03	0.03	-0.15	-2.50e-04	-6.88e-05	0.0
265	87	1.34e-03	1.39e-03	-0.14	-1.96e-04	-1.95e-05	0.0
265	88	1.29e-03	1.42e-03	-0.14	-1.96e-04	-2.18e-05	0.0
265	93	1.40e-03	1.47e-03	-0.15	-2.33e-04	-2.05e-05	0.0
265	95	1.29e-03	1.54e-03	-0.15	-2.34e-04	-2.60e-05	0.0
265	101	1.26e-03	1.44e-03	-0.14	-1.97e-04	-2.34e-05	0.0
265	102	1.35e-03	1.40e-03	-0.14	-2.03e-04	-1.97e-05	0.0
265	104	1.31e-03	1.44e-03	-0.14	-2.04e-04	-2.20e-05	0.0
265	105	1.34e-03	1.39e-03	-0.14	-1.96e-04	-1.95e-05	0.0
265	106	1.29e-03	1.42e-03	-0.14	-1.96e-04	-2.18e-05	0.0
266	4	-7.30e-03	-4.20e-04	-0.26	-2.61e-05	-2.16e-04	-1.10e-05
266	11	-6.79e-03	-4.24e-04	-0.27	-4.33e-05	-2.35e-04	-1.11e-05
266	34	-0.28	-0.08	-0.19	2.42e-04	-3.17e-04	-3.51e-05
266	42	-0.15	-0.39	-0.19	1.26e-03	-2.45e-04	-2.47e-04
266	46	-0.15	-0.36	-0.19	1.17e-03	-2.46e-04	-2.15e-04
266	66	-0.16	-0.04	-0.19	1.36e-04	-2.41e-04	-1.82e-05
266	74	-0.08	-0.22	-0.19	7.06e-04	-2.00e-04	-1.25e-04
266	78	-0.08	-0.21	-0.19	6.59e-04	-2.00e-04	-1.07e-04
266	88	-3.85e-03	-2.71e-04	-0.19	-4.17e-06	-1.48e-04	-7.66e-06
266	92	-5.15e-03	-3.09e-04	-0.19	-1.56e-05	-1.61e-04	-8.27e-06
266	95	-4.81e-03	-3.12e-04	-0.20	-2.71e-05	-1.74e-04	-8.30e-06
266	101	-4.18e-03	-2.78e-04	-0.19	-4.16e-06	-1.48e-04	-7.77e-06
266	104	-3.92e-03	-2.77e-04	-0.19	-8.75e-06	-1.53e-04	-7.74e-06
266	106	-3.85e-03	-2.71e-04	-0.19	-4.17e-06	-1.48e-04	-7.66e-06
267	4	-1.06e-03	0.01	-0.24	-2.40e-05	3.81e-05	-1.44e-05
267	11	-4.88e-04	0.01	-0.24	-2.55e-05	4.57e-05	-1.47e-05
267	32	0.27	-0.07	-0.19	1.93e-04	6.74e-04	-2.87e-05
267	47	0.08	0.28	-0.21	-7.10e-04	1.41e-04	-6.39e-05
267	49	-0.07	0.30	-0.20	-7.20e-04	-2.20e-04	-1.01e-04
267	64	0.15	-0.04	-0.18	1.06e-04	3.85e-04	-1.59e-05
267	79	0.05	0.18	-0.20	-4.21e-04	8.82e-05	-5.46e-05
267	81	-0.04	0.19	-0.19	-4.27e-04	-1.11e-04	-7.51e-05
267	87	8.75e-04	8.21e-03	-0.17	-1.70e-05	3.20e-05	-9.90e-06
267	88	4.76e-04	8.39e-03	-0.17	-1.70e-05	3.02e-05	-1.01e-05
267	89	8.75e-04	8.21e-03	-0.17	-1.70e-05	3.20e-05	-9.90e-06
267	95	-9.77e-05	9.10e-03	-0.18	-1.91e-05	3.45e-05	-1.10e-05
267	100	8.75e-04	8.21e-03	-0.17	-1.70e-05	3.20e-05	-9.90e-06
267	101	2.10e-04	8.52e-03	-0.18	-1.70e-05	2.90e-05	-1.02e-05
267	104	4.68e-04	8.49e-03	-0.18	-1.74e-05	3.15e-05	-1.02e-05
267	105	8.75e-04	8.21e-03	-0.17	-1.70e-05	3.20e-05	-9.90e-06
267	106	4.76e-04	8.39e-03	-0.17	-1.70e-05	3.02e-05	-1.01e-05
268	4	-7.57e-03	0.03	-0.31	5.31e-05	-5.98e-04	-1.47e-05
268	11	-6.99e-03	0.03	-0.32	4.93e-05	-6.50e-04	-1.48e-05
268	33	-0.27	0.04	-0.25	-1.62e-04	-4.62e-04	6.28e-05
268	49	-0.11	0.40	-0.18	-7.40e-04	-3.70e-04	-8.05e-05
268	54	-0.05	-0.35	-0.27	7.44e-04	-4.88e-04	5.39e-05
268	65	-0.15	0.04	-0.23	-7.49e-05	-4.35e-04	2.57e-05
268	81	-0.07	0.27	-0.20	-4.07e-04	-3.87e-04	-6.40e-05
268	86	-0.02	-0.22	-0.25	4.59e-04	-4.51e-04	4.01e-05

268	88	-4.07e-03	0.02	-0.22	4.40e-05	-4.10e-04	-1.02e-05
268	92	-5.36e-03	0.02	-0.24	4.17e-05	-4.46e-04	-1.10e-05
268	95	-4.97e-03	0.02	-0.24	3.92e-05	-4.81e-04	-1.11e-05
268	101	-4.40e-03	0.02	-0.22	4.40e-05	-4.10e-04	-1.04e-05
268	104	-4.11e-03	0.02	-0.22	4.30e-05	-4.24e-04	-1.03e-05
268	106	-4.07e-03	0.02	-0.22	4.40e-05	-4.10e-04	-1.02e-05
269	9	1.24e-03	1.93e-03	-0.18	9.47e-05	-1.66e-04	0.0
269	11	1.03e-03	2.04e-03	-0.18	9.54e-05	-1.86e-04	0.0
269	36	0.03	-0.01	-0.15	8.06e-05	-2.20e-04	0.0
269	48	0.01	-0.04	-0.15	1.76e-04	-2.42e-04	0.0
269	49	-0.01	0.05	-0.12	-5.94e-05	1.84e-05	0.0
269	68	0.02	-0.01	-0.14	7.36e-05	-1.74e-04	0.0
269	80	9.57e-03	-0.03	-0.15	1.32e-04	-1.92e-04	0.0
269	81	-7.83e-03	0.04	-0.13	-1.46e-05	-3.43e-05	0.0
269	87	9.28e-04	1.38e-03	-0.14	5.86e-05	-1.08e-04	0.0
269	88	8.69e-04	1.41e-03	-0.14	5.88e-05	-1.13e-04	0.0
269	93	9.62e-04	1.45e-03	-0.14	6.97e-05	-1.22e-04	0.0
269	95	8.23e-04	1.53e-03	-0.14	7.02e-05	-1.36e-04	0.0
269	101	8.29e-04	1.43e-03	-0.14	5.89e-05	-1.17e-04	0.0
269	102	9.35e-04	1.39e-03	-0.14	6.08e-05	-1.11e-04	0.0
269	104	8.75e-04	1.42e-03	-0.14	6.10e-05	-1.16e-04	0.0
269	105	9.28e-04	1.38e-03	-0.14	5.86e-05	-1.08e-04	0.0
269	106	8.69e-04	1.41e-03	-0.14	5.88e-05	-1.13e-04	0.0
270	11	-1.23e-03	0.02	-0.23	-7.39e-05	2.82e-05	-1.33e-06
270	17	-1.42e-03	0.02	-0.22	-7.07e-05	3.17e-05	-2.86e-06
270	33	-0.04	0.01	-0.20	-1.83e-04	-1.88e-04	1.51e-06
270	38	-0.04	-0.06	-0.19	3.71e-05	1.63e-04	1.63e-05
270	49	-5.86e-03	0.20	-0.16	-5.48e-04	-6.25e-05	-3.79e-05
270	65	-0.02	0.02	-0.18	-1.36e-04	-8.91e-05	-2.39e-06
270	70	-0.02	-0.04	-0.18	1.05e-05	-7.90e-05	1.11e-05
270	81	-2.02e-03	0.14	-0.17	-3.66e-04	-2.58e-05	-3.05e-05
270	88	-8.29e-04	0.01	-0.16	-5.06e-05	2.40e-05	-1.71e-06
270	95	-9.07e-04	0.01	-0.17	-5.52e-05	2.21e-05	-1.10e-06
270	98	-1.03e-03	0.01	-0.17	-5.31e-05	2.44e-05	-2.12e-06
270	101	-8.69e-04	0.01	-0.17	-5.15e-05	2.44e-05	-1.90e-06
270	106	-8.29e-04	0.01	-0.16	-5.06e-05	2.40e-05	-1.71e-06
271	1	2.07e-03	-4.64e-03	-0.34	0.0	7.04e-04	0.0
271	9	2.00e-03	-4.93e-03	-0.38	3.03e-05	8.29e-04	0.0
271	11	7.03e-04	-5.24e-03	-0.38	3.10e-05	8.29e-04	0.0
271	32	0.29	-0.19	-0.25	5.66e-04	3.59e-04	0.0
271	39	-1.19e-03	0.48	-0.36	-1.45e-03	8.75e-04	0.0
271	42	4.37e-03	-0.48	-0.16	1.44e-03	1.88e-04	0.0
271	64	0.16	-0.11	-0.25	3.12e-04	4.37e-04	0.0
271	71	4.83e-03	0.26	-0.32	-8.03e-04	7.19e-04	0.0
271	74	-2.16e-03	-0.27	-0.20	7.99e-04	3.45e-04	0.0
271	87	1.71e-03	-3.52e-03	-0.26	-2.25e-06	5.32e-04	0.0
271	88	1.34e-03	-3.61e-03	-0.26	-2.05e-06	5.32e-04	0.0
271	89	1.71e-03	-3.52e-03	-0.26	-2.25e-06	5.32e-04	0.0
271	93	1.67e-03	-3.71e-03	-0.28	1.78e-05	6.15e-04	0.0
271	95	8.00e-04	-3.92e-03	-0.28	1.83e-05	6.15e-04	0.0
271	100	1.71e-03	-3.52e-03	-0.26	-2.25e-06	5.32e-04	0.0
271	101	1.09e-03	-3.67e-03	-0.26	-1.92e-06	5.32e-04	0.0
271	102	1.70e-03	-3.56e-03	-0.27	1.76e-06	5.48e-04	0.0
271	105	1.71e-03	-3.52e-03	-0.26	-2.25e-06	5.32e-04	0.0
271	106	1.34e-03	-3.61e-03	-0.26	-2.05e-06	5.32e-04	0.0
272	9	1.52e-03	1.16e-03	-0.16	-1.87e-04	9.35e-06	0.0
272	11	1.35e-03	1.23e-03	-0.16	-1.87e-04	1.00e-05	0.0
272	35	0.03	7.46e-03	-0.12	-1.26e-04	1.17e-05	0.0
272	40	6.52e-03	-0.02	-0.13	-1.28e-04	1.15e-05	0.0
272	53	-3.17e-03	0.03	-0.12	-1.05e-04	1.30e-06	0.0
272	67	0.02	6.16e-03	-0.12	-1.21e-04	9.23e-06	0.0
272	72	3.01e-03	-0.02	-0.13	-1.23e-04	9.57e-06	0.0
272	85	-3.98e-04	0.02	-0.12	-1.10e-04	3.38e-06	0.0
272	87	1.12e-03	8.30e-04	-0.12	-1.15e-04	6.25e-06	0.0
272	88	1.07e-03	8.49e-04	-0.12	-1.15e-04	6.44e-06	0.0
272	93	1.17e-03	8.75e-04	-0.13	-1.37e-04	6.94e-06	0.0
272	95	1.06e-03	9.18e-04	-0.13	-1.38e-04	7.39e-06	0.0
272	101	1.04e-03	8.61e-04	-0.12	-1.15e-04	6.56e-06	0.0
272	102	1.13e-03	8.39e-04	-0.13	-1.20e-04	6.39e-06	0.0
272	105	1.12e-03	8.30e-04	-0.12	-1.15e-04	6.25e-06	0.0
272	106	1.07e-03	8.49e-04	-0.12	-1.15e-04	6.44e-06	0.0
273	9	1.57e-03	1.46e-03	-0.16	-1.72e-04	-1.08e-05	0.0
273	11	1.39e-03	1.54e-03	-0.16	-1.73e-04	-1.18e-05	0.0
273	26	-0.02	-8.96e-03	-0.13	-1.11e-04	-7.08e-06	0.0
273	35	0.03	8.77e-03	-0.12	-1.03e-04	-7.60e-06	0.0
273	47	0.01	0.03	-0.12	-1.11e-04	-1.69e-05	0.0
273	58	-0.01	-6.30e-03	-0.12	-1.08e-04	-6.58e-06	0.0
273	67	0.02	7.29e-03	-0.12	-1.05e-04	-7.74e-06	0.0
273	79	8.09e-03	0.03	-0.12	-1.10e-04	-1.35e-05	0.0
273	87	1.16e-03	1.04e-03	-0.12	-1.06e-04	-6.70e-06	0.0

273	88	1.11e-03	1.07e-03	-0.12	-1.06e-04	-6.98e-06	0.0
273	93	1.21e-03	1.10e-03	-0.13	-1.27e-04	-7.88e-06	0.0
273	95	1.09e-03	1.15e-03	-0.13	-1.27e-04	-8.53e-06	0.0
273	101	1.07e-03	1.08e-03	-0.12	-1.07e-04	-7.17e-06	0.0
273	102	1.17e-03	1.05e-03	-0.12	-1.10e-04	-6.93e-06	0.0
273	105	1.16e-03	1.04e-03	-0.12	-1.06e-04	-6.70e-06	0.0
273	106	1.11e-03	1.07e-03	-0.12	-1.06e-04	-6.98e-06	0.0
274	4	-2.82e-03	-2.64e-03	-0.24	-3.78e-05	1.01e-05	0.0
274	11	-2.91e-03	-2.61e-03	-0.24	-3.75e-05	1.06e-05	0.0
274	38	-0.03	-0.02	-0.18	5.10e-05	-1.05e-05	0.0
274	48	-9.64e-03	-0.05	-0.10	4.13e-04	5.11e-05	0.0
274	49	5.78e-03	0.05	-0.24	-4.60e-04	-3.83e-05	0.0
274	70	-0.02	-0.02	-0.17	2.95e-05	-3.71e-06	0.0
274	80	-9.60e-03	-0.05	-0.12	2.57e-04	3.24e-05	0.0
274	81	5.55e-03	0.05	-0.21	-3.09e-04	-1.93e-05	0.0
274	88	-2.03e-03	-1.76e-03	-0.17	-2.57e-05	6.54e-06	0.0
274	92	-2.13e-03	-1.96e-03	-0.18	-2.82e-05	7.42e-06	0.0
274	95	-2.19e-03	-1.94e-03	-0.18	-2.80e-05	7.79e-06	0.0
274	101	-2.03e-03	-1.80e-03	-0.17	-2.63e-05	6.64e-06	0.0
274	104	-2.05e-03	-1.77e-03	-0.17	-2.60e-05	6.75e-06	0.0
274	106	-2.03e-03	-1.76e-03	-0.17	-2.57e-05	6.54e-06	0.0
275	4	-2.84e-03	-2.51e-03	-0.24	-8.54e-05	-1.90e-06	0.0
275	11	-2.93e-03	-2.49e-03	-0.24	-8.52e-05	-1.34e-06	0.0
275	38	-0.03	-0.02	-0.18	1.90e-05	-2.53e-05	2.41e-05
275	48	-9.66e-03	-0.05	-0.10	3.84e-04	2.99e-05	5.39e-05
275	49	5.78e-03	0.05	-0.24	-4.95e-04	-3.26e-05	-5.78e-05
275	70	-0.02	-0.02	-0.17	-3.40e-06	-1.49e-05	1.64e-05
275	80	-9.62e-03	-0.05	-0.13	2.26e-04	1.82e-05	4.04e-05
275	81	5.54e-03	0.04	-0.21	-3.44e-04	-2.14e-05	-4.13e-05
275	88	-2.04e-03	-1.70e-03	-0.17	-5.91e-05	-1.62e-06	0.0
275	92	-2.15e-03	-1.87e-03	-0.18	-6.40e-05	-1.51e-06	0.0
275	95	-2.21e-03	-1.86e-03	-0.18	-6.38e-05	-1.14e-06	0.0
275	101	-2.05e-03	-1.73e-03	-0.17	-6.01e-05	-1.68e-06	0.0
275	104	-2.07e-03	-1.71e-03	-0.17	-5.96e-05	-1.51e-06	0.0
275	106	-2.04e-03	-1.70e-03	-0.17	-5.91e-05	-1.62e-06	0.0
276	4	-2.88e-03	-2.52e-03	-0.24	-2.77e-04	0.0	1.51e-05
276	11	-2.98e-03	-2.51e-03	-0.24	-2.77e-04	0.0	1.51e-05
276	38	-0.03	-0.02	-0.18	-1.10e-04	-3.38e-05	3.72e-05
276	48	-9.57e-03	-0.04	-0.10	2.92e-04	4.29e-05	5.94e-05
276	49	5.62e-03	0.04	-0.23	-6.47e-04	-4.44e-05	-4.35e-05
276	70	-0.02	-0.02	-0.17	-1.35e-04	-1.81e-05	2.88e-05
276	80	-9.57e-03	-0.04	-0.13	1.13e-04	2.72e-05	4.84e-05
276	81	5.42e-03	0.04	-0.21	-4.98e-04	-2.83e-05	-2.82e-05
276	88	-2.08e-03	-1.76e-03	-0.17	-1.93e-04	0.0	1.01e-05
276	92	-2.18e-03	-1.89e-03	-0.18	-2.08e-04	0.0	1.12e-05
276	95	-2.24e-03	-1.89e-03	-0.18	-2.08e-04	0.0	1.12e-05
276	101	-2.08e-03	-1.79e-03	-0.17	-1.96e-04	0.0	1.03e-05
276	104	-2.11e-03	-1.78e-03	-0.17	-1.94e-04	0.0	1.02e-05
276	106	-2.08e-03	-1.76e-03	-0.17	-1.93e-04	0.0	1.01e-05
277	11	-2.98e-03	-2.32e-03	-0.24	-4.65e-04	1.16e-05	1.19e-05
277	38	-0.03	-0.02	-0.17	-2.54e-04	-2.13e-05	3.06e-05
277	48	-9.08e-03	-0.04	-0.11	1.35e-04	3.94e-05	5.96e-05
277	49	5.11e-03	0.03	-0.23	-7.32e-04	-2.49e-05	-4.53e-05
277	70	-0.02	-0.02	-0.17	-2.75e-04	-7.61e-06	2.41e-05
277	80	-9.25e-03	-0.04	-0.13	-3.63e-05	2.84e-05	4.70e-05
277	81	5.07e-03	0.03	-0.21	-6.11e-04	-1.32e-05	-3.07e-05
277	88	-2.09e-03	-1.65e-03	-0.17	-3.24e-04	7.61e-06	8.15e-06
277	95	-2.25e-03	-1.75e-03	-0.18	-3.49e-04	8.63e-06	8.90e-06
277	101	-2.09e-03	-1.67e-03	-0.17	-3.29e-04	7.60e-06	8.30e-06
277	104	-2.12e-03	-1.66e-03	-0.17	-3.27e-04	7.82e-06	8.24e-06
277	106	-2.09e-03	-1.65e-03	-0.17	-3.24e-04	7.61e-06	8.15e-06
278	9	-2.87e-03	-2.01e-03	-0.23	-5.22e-04	1.54e-05	5.88e-06
278	11	-2.84e-03	-2.08e-03	-0.24	-5.52e-04	1.50e-05	6.22e-06
278	38	-0.03	-0.02	-0.17	-3.24e-04	-2.01e-05	2.59e-05
278	48	-8.19e-03	-0.03	-0.11	3.58e-05	3.90e-05	5.31e-05
278	49	4.36e-03	0.03	-0.23	-7.45e-04	-1.91e-05	-4.54e-05
278	70	-0.02	-0.01	-0.17	-3.41e-04	-6.02e-06	1.95e-05
278	80	-8.64e-03	-0.03	-0.13	-1.20e-04	2.84e-05	4.10e-05
278	81	4.62e-03	0.03	-0.21	-6.49e-04	-8.07e-06	-3.25e-05
278	87	-2.02e-03	-1.48e-03	-0.17	-3.76e-04	1.03e-05	4.17e-06
278	88	-2.01e-03	-1.50e-03	-0.17	-3.85e-04	1.02e-05	4.26e-06
278	93	-2.17e-03	-1.53e-03	-0.17	-3.94e-04	1.15e-05	4.42e-06
278	95	-2.15e-03	-1.58e-03	-0.18	-4.14e-04	1.13e-05	4.65e-06
278	101	-2.00e-03	-1.51e-03	-0.17	-3.90e-04	1.01e-05	4.33e-06
278	102	-2.05e-03	-1.49e-03	-0.17	-3.80e-04	1.05e-05	4.22e-06
278	105	-2.02e-03	-1.48e-03	-0.17	-3.76e-04	1.03e-05	4.17e-06
278	106	-2.01e-03	-1.50e-03	-0.17	-3.85e-04	1.02e-05	4.26e-06
279	9	-2.59e-03	-1.80e-03	-0.23	-5.00e-04	1.15e-05	5.55e-06
279	11	-2.52e-03	-1.86e-03	-0.24	-5.29e-04	1.05e-05	5.78e-06
279	38	-0.03	-0.01	-0.17	-3.02e-04	-2.69e-05	2.39e-05

279	48	-7.06e-03	-0.03	-0.11	4.37e-05	2.57e-05	4.89e-05
279	49	3.61e-03	0.02	-0.23	-7.13e-04	-1.04e-05	-4.13e-05
279	70	-0.02	-0.01	-0.17	-3.21e-04	-1.13e-05	1.82e-05
279	80	-7.84e-03	-0.03	-0.14	-1.07e-04	1.86e-05	3.81e-05
279	81	4.22e-03	0.03	-0.21	-6.28e-04	-3.32e-06	-3.01e-05
279	87	-1.83e-03	-1.34e-03	-0.17	-3.60e-04	7.94e-06	3.96e-06
279	88	-1.81e-03	-1.35e-03	-0.17	-3.68e-04	7.65e-06	4.03e-06
279	93	-1.96e-03	-1.37e-03	-0.18	-3.77e-04	8.74e-06	4.19e-06
279	95	-1.92e-03	-1.41e-03	-0.18	-3.96e-04	8.08e-06	4.34e-06
279	101	-1.80e-03	-1.36e-03	-0.17	-3.73e-04	7.47e-06	4.07e-06
279	102	-1.86e-03	-1.34e-03	-0.17	-3.63e-04	8.10e-06	4.01e-06
279	105	-1.83e-03	-1.34e-03	-0.17	-3.60e-04	7.94e-06	3.96e-06
279	106	-1.81e-03	-1.35e-03	-0.17	-3.68e-04	7.65e-06	4.03e-06
280	9	-2.20e-03	-1.69e-03	-0.23	-5.69e-04	2.25e-06	2.25e-06
280	11	-2.08e-03	-1.74e-03	-0.24	-6.00e-04	8.00e-06	2.36e-06
280	38	-0.03	-0.01	-0.17	-3.50e-04	-2.83e-05	1.96e-05
280	48	-5.64e-03	-0.02	-0.12	-2.42e-05	1.97e-05	4.15e-05
280	49	2.72e-03	0.02	-0.23	-7.48e-04	-7.47e-06	-3.90e-05
280	70	-0.02	-0.01	-0.17	-3.71e-04	-1.28e-05	1.45e-05
280	80	-6.83e-03	-0.03	-0.14	-1.70e-04	1.40e-05	3.25e-05
280	81	3.76e-03	0.02	-0.21	-6.67e-04	-1.80e-06	-2.93e-05
280	87	-1.57e-03	-1.26e-03	-0.17	-4.09e-04	6.46e-06	1.57e-06
280	88	-1.54e-03	-1.27e-03	-0.17	-4.18e-04	6.11e-06	1.60e-06
280	93	-1.68e-03	-1.29e-03	-0.18	-4.29e-04	7.05e-06	1.69e-06
280	95	-1.59e-03	-1.32e-03	-0.18	-4.50e-04	6.23e-06	1.76e-06
280	101	-1.51e-03	-1.28e-03	-0.17	-4.24e-04	5.87e-06	1.62e-06
280	102	-1.59e-03	-1.26e-03	-0.17	-4.13e-04	6.58e-06	1.60e-06
280	105	-1.57e-03	-1.26e-03	-0.17	-4.09e-04	6.46e-06	1.57e-06
280	106	-1.54e-03	-1.27e-03	-0.17	-4.18e-04	6.11e-06	1.60e-06
281	4	-1.58e-03	-1.64e-03	-0.24	-5.98e-04	2.95e-06	0.0
281	9	-1.89e-03	-1.59e-03	-0.23	-5.69e-04	5.71e-06	0.0
281	11	-1.72e-03	-1.64e-03	-0.24	-6.00e-04	3.94e-06	0.0
281	38	-0.03	-9.80e-03	-0.16	-3.46e-04	-3.37e-05	1.62e-05
281	48	-4.25e-03	-0.02	-0.12	-3.01e-05	2.97e-06	3.50e-05
281	49	1.76e-03	0.02	-0.23	-7.42e-04	4.64e-06	-3.50e-05
281	70	-0.02	-9.96e-03	-0.17	-3.69e-04	-1.71e-05	1.18e-05
281	80	-5.87e-03	-0.02	-0.14	-1.74e-04	2.63e-06	2.78e-05
281	81	3.23e-03	0.02	-0.21	-6.64e-04	4.65e-06	-2.77e-05
281	87	-1.37e-03	-1.19e-03	-0.17	-4.10e-04	4.14e-06	0.0
281	88	-1.32e-03	-1.20e-03	-0.17	-4.19e-04	3.64e-06	0.0
281	92	-1.24e-03	-1.25e-03	-0.18	-4.49e-04	2.62e-06	0.0
281	93	-1.45e-03	-1.22e-03	-0.18	-4.30e-04	4.46e-06	0.0
281	95	-1.33e-03	-1.25e-03	-0.18	-4.50e-04	3.28e-06	0.0
281	101	-1.28e-03	-1.21e-03	-0.18	-4.24e-04	3.30e-06	0.0
281	102	-1.38e-03	-1.20e-03	-0.17	-4.14e-04	4.21e-06	0.0
281	105	-1.37e-03	-1.19e-03	-0.17	-4.10e-04	4.14e-06	0.0
281	106	-1.32e-03	-1.20e-03	-0.17	-4.19e-04	3.64e-06	0.0
282	9	-1.55e-03	-1.48e-03	-0.23	-5.15e-04	4.74e-06	1.78e-06
282	11	-1.33e-03	-1.51e-03	-0.24	-5.43e-04	2.56e-06	1.76e-06
282	38	-0.03	-8.32e-03	-0.16	-3.03e-04	-3.73e-05	1.65e-05
282	48	-2.91e-03	-0.01	-0.12	1.09e-05	-6.20e-06	3.36e-05
282	49	8.71e-04	0.01	-0.23	-7.00e-04	1.28e-05	-3.08e-05
282	70	-0.02	-8.85e-03	-0.17	-3.27e-04	-1.99e-05	1.25e-05
282	80	-4.93e-03	-0.02	-0.14	-1.32e-04	-4.08e-06	2.74e-05
282	81	2.76e-03	0.02	-0.21	-6.25e-04	1.02e-05	-2.48e-05
282	87	-1.15e-03	-1.11e-03	-0.17	-3.71e-04	3.67e-06	1.33e-06
282	88	-1.08e-03	-1.12e-03	-0.17	-3.79e-04	3.04e-06	1.32e-06
282	93	-1.20e-03	-1.13e-03	-0.18	-3.89e-04	3.80e-06	1.36e-06
282	95	-1.05e-03	-1.15e-03	-0.18	-4.08e-04	2.35e-06	1.35e-06
282	101	-1.04e-03	-1.13e-03	-0.18	-3.84e-04	2.63e-06	1.32e-06
282	102	-1.16e-03	-1.11e-03	-0.17	-3.74e-04	3.69e-06	1.34e-06
282	105	-1.15e-03	-1.11e-03	-0.17	-3.71e-04	3.67e-06	1.33e-06
282	106	-1.08e-03	-1.12e-03	-0.17	-3.79e-04	3.04e-06	1.32e-06
283	4	-1.20e-03	8.68e-03	-0.25	1.67e-04	-7.47e-06	-8.21e-06
283	11	-1.02e-03	8.72e-03	-0.25	1.68e-04	-6.16e-06	-8.33e-06
283	35	0.04	0.06	-0.20	-9.44e-05	3.61e-05	-3.98e-05
283	47	0.03	0.12	-0.23	-4.10e-04	3.92e-05	-6.55e-05
283	49	6.52e-03	0.14	-0.23	-4.60e-04	2.29e-05	-8.11e-05
283	70	-0.02	-0.03	-0.16	2.30e-04	-2.45e-05	1.74e-05
283	79	0.02	0.09	-0.21	-1.74e-04	2.32e-05	-5.28e-05
283	81	6.81e-03	0.10	-0.21	-2.02e-04	1.43e-05	-6.13e-05
283	88	-4.52e-04	5.96e-03	-0.18	1.15e-04	-2.55e-06	-5.65e-06
283	92	-7.98e-04	6.49e-03	-0.19	1.25e-04	-4.91e-06	-6.14e-06
283	95	-6.78e-04	6.51e-03	-0.19	1.25e-04	-4.04e-06	-6.22e-06
283	101	-5.45e-04	6.06e-03	-0.18	1.17e-04	-3.20e-06	-5.73e-06
283	106	-4.52e-04	5.96e-03	-0.18	1.15e-04	-2.55e-06	-5.65e-06
284	9	-1.03e-03	-1.39e-03	-0.23	-5.79e-04	0.0	0.0
284	11	-6.82e-04	-1.41e-03	-0.24	-6.08e-04	-3.17e-06	0.0
284	38	-0.03	-5.54e-03	-0.15	-2.80e-04	-4.23e-05	1.13e-05
284	47	0.01	3.92e-03	-0.23	-7.40e-04	4.89e-05	-1.65e-05

284	48	6.24e-06	-9.17e-03	-0.12	-8.27e-05	-3.06e-05	2.26e-05
284	70	-0.02	-6.71e-03	-0.16	-3.37e-04	-2.45e-05	8.51e-06
284	79	9.74e-03	0.01	-0.21	-6.64e-04	3.02e-05	-1.70e-05
284	80	-2.94e-03	-0.02	-0.14	-2.08e-04	-2.11e-05	1.97e-05
284	87	-7.97e-04	-1.04e-03	-0.17	-4.18e-04	0.0	0.0
284	88	-6.99e-04	-1.05e-03	-0.17	-4.26e-04	0.0	0.0
284	93	-8.15e-04	-1.06e-03	-0.18	-4.38e-04	0.0	0.0
284	95	-5.85e-04	-1.07e-03	-0.18	-4.57e-04	-1.73e-06	0.0
284	101	-6.33e-04	-1.05e-03	-0.17	-4.31e-04	0.0	0.0
284	102	-8.01e-04	-1.05e-03	-0.17	-4.22e-04	0.0	0.0
284	105	-7.97e-04	-1.04e-03	-0.17	-4.18e-04	0.0	0.0
284	106	-6.99e-04	-1.05e-03	-0.17	-4.26e-04	0.0	0.0
285	9	-8.51e-04	-1.31e-03	-0.23	-5.42e-04	0.0	-5.56e-06
285	11	-4.41e-04	-1.33e-03	-0.24	-5.68e-04	-3.36e-06	-5.94e-06
285	38	-0.03	-4.45e-03	-0.14	-2.49e-04	-4.84e-05	5.53e-06
285	47	0.01	2.59e-03	-0.24	-7.14e-04	6.58e-05	-1.38e-05
285	48	1.22e-03	-7.04e-03	-0.11	-5.70e-05	-4.62e-05	1.29e-05
285	70	-0.02	-5.81e-03	-0.16	-3.08e-04	-2.82e-05	3.64e-06
285	79	9.14e-03	0.01	-0.22	-6.35e-04	4.06e-05	-1.74e-05
285	80	-2.11e-03	-0.01	-0.14	-1.82e-04	-3.07e-05	1.25e-05
285	87	-6.81e-04	-9.90e-04	-0.17	-3.91e-04	1.11e-06	-3.98e-06
285	88	-5.64e-04	-9.94e-04	-0.17	-3.98e-04	0.0	-4.09e-06
285	93	-6.89e-04	-1.00e-03	-0.18	-4.10e-04	0.0	-4.19e-06
285	95	-4.16e-04	-1.01e-03	-0.18	-4.27e-04	-1.77e-06	-4.44e-06
285	101	-4.86e-04	-9.97e-04	-0.17	-4.03e-04	0.0	-4.16e-06
285	102	-6.83e-04	-9.93e-04	-0.17	-3.95e-04	1.08e-06	-4.02e-06
285	104	-5.66e-04	-9.97e-04	-0.17	-4.02e-04	0.0	-4.13e-06
285	105	-6.81e-04	-9.90e-04	-0.17	-3.91e-04	1.11e-06	-3.98e-06
285	106	-5.64e-04	-9.94e-04	-0.17	-3.98e-04	0.0	-4.09e-06
286	1	-5.68e-04	-1.25e-03	-0.22	-3.91e-04	3.49e-06	-1.50e-05
286	11	-7.30e-05	-1.29e-03	-0.24	-4.33e-04	-1.00e-06	-1.69e-05
286	31	0.03	-2.72e-03	-0.20	-3.96e-04	4.51e-05	-2.03e-05
286	47	0.01	2.96e-03	-0.25	-6.17e-04	6.51e-05	-1.84e-05
286	50	-0.01	-5.39e-03	-0.10	6.83e-05	-5.99e-05	-1.86e-06
286	66	-0.02	-2.81e-03	-0.16	-2.34e-04	-2.34e-05	-4.23e-06
286	79	8.78e-03	0.01	-0.22	-5.35e-04	4.21e-05	-2.45e-05
286	82	-9.47e-03	-0.01	-0.13	-7.03e-05	-3.84e-05	1.12e-06
286	87	-4.81e-04	-9.56e-04	-0.17	-2.97e-04	3.08e-06	-1.14e-05
286	88	-3.45e-04	-9.62e-04	-0.17	-3.03e-04	1.87e-06	-1.17e-05
286	89	-4.81e-04	-9.56e-04	-0.17	-2.97e-04	3.08e-06	-1.14e-05
286	95	-1.50e-04	-9.85e-04	-0.18	-3.25e-04	0.0	-1.27e-05
286	100	-4.81e-04	-9.56e-04	-0.17	-2.97e-04	3.08e-06	-1.14e-05
286	101	-2.54e-04	-9.66e-04	-0.18	-3.07e-04	1.07e-06	-1.19e-05
286	105	-4.81e-04	-9.56e-04	-0.17	-2.97e-04	3.08e-06	-1.14e-05
286	106	-3.45e-04	-9.62e-04	-0.17	-3.03e-04	1.87e-06	-1.17e-05
287	9	1.67e-03	1.88e-03	-0.17	-1.59e-04	-7.09e-05	0.0
287	11	1.49e-03	1.98e-03	-0.17	-1.60e-04	-7.92e-05	0.0
287	35	0.03	0.01	-0.13	-1.06e-04	-9.39e-05	0.0
287	49	-2.52e-03	0.04	-0.13	-1.44e-04	-8.20e-05	0.0
287	51	0.01	0.04	-0.13	-1.39e-04	-1.01e-04	0.0
287	67	0.02	8.74e-03	-0.13	-1.04e-04	-7.40e-05	0.0
287	81	8.22e-05	0.03	-0.13	-1.27e-04	-7.03e-05	0.0
287	83	8.51e-03	0.03	-0.13	-1.25e-04	-8.08e-05	0.0
287	87	1.24e-03	1.34e-03	-0.13	-9.91e-05	-4.57e-05	0.0
287	88	1.18e-03	1.37e-03	-0.13	-9.94e-05	-4.81e-05	0.0
287	93	1.29e-03	1.41e-03	-0.13	-1.17e-04	-5.21e-05	0.0
287	95	1.17e-03	1.48e-03	-0.13	-1.18e-04	-5.76e-05	0.0
287	101	1.15e-03	1.39e-03	-0.13	-9.96e-05	-4.96e-05	0.0
287	102	1.25e-03	1.35e-03	-0.13	-1.03e-04	-4.70e-05	0.0
287	104	1.19e-03	1.39e-03	-0.13	-1.03e-04	-4.93e-05	0.0
287	105	1.24e-03	1.34e-03	-0.13	-9.91e-05	-4.57e-05	0.0
287	106	1.18e-03	1.37e-03	-0.13	-9.94e-05	-4.81e-05	0.0
288	4	6.15e-04	-1.36e-03	-0.24	2.24e-04	3.33e-04	0.0
288	9	9.40e-04	-1.25e-03	-0.25	2.36e-04	3.60e-04	0.0
288	28	0.03	0.01	-0.21	4.20e-04	4.42e-04	0.0
288	36	0.03	-5.20e-03	-0.21	3.70e-04	4.43e-04	0.0
288	42	-3.51e-03	-0.05	-0.18	8.96e-04	1.49e-04	0.0
288	60	0.01	8.21e-03	-0.19	3.03e-04	3.49e-04	0.0
288	68	0.02	-2.05e-03	-0.19	2.76e-04	3.49e-04	0.0
288	74	-3.90e-04	-0.02	-0.18	5.64e-04	1.89e-04	0.0
288	87	6.77e-04	-9.23e-04	-0.18	1.61e-04	2.35e-04	0.0
288	88	6.19e-04	-9.50e-04	-0.18	1.61e-04	2.34e-04	0.0
288	92	5.10e-04	-1.02e-03	-0.18	1.69e-04	2.50e-04	0.0
288	93	7.27e-04	-9.46e-04	-0.19	1.77e-04	2.68e-04	0.0
288	101	5.81e-04	-9.68e-04	-0.18	1.61e-04	2.34e-04	0.0
288	102	6.87e-04	-9.28e-04	-0.18	1.64e-04	2.41e-04	0.0
288	105	6.77e-04	-9.23e-04	-0.18	1.61e-04	2.35e-04	0.0
288	106	6.19e-04	-9.50e-04	-0.18	1.61e-04	2.34e-04	0.0
289	3	8.91e-04	4.64e-05	-0.15	0.0	1.10e-05	0.0
289	4	9.25e-04	4.69e-05	-0.15	0.0	1.21e-05	0.0

289	9	1.22e-03	4.56e-05	-0.15	0.0	1.32e-05	0.0
289	33	-0.02	9.10e-03	-0.12	6.58e-06	9.25e-06	0.0
289	36	0.03	-5.99e-03	-0.12	-4.72e-06	7.37e-06	0.0
289	39	7.04e-03	0.02	-0.12	1.72e-05	8.09e-06	0.0
289	65	-0.01	5.51e-03	-0.12	3.70e-06	8.82e-06	0.0
289	68	0.01	-3.68e-03	-0.12	-2.66e-06	7.79e-06	0.0
289	71	4.13e-03	0.01	-0.12	9.73e-06	8.18e-06	0.0
289	87	8.98e-04	3.43e-05	-0.12	0.0	8.32e-06	0.0
289	88	8.45e-04	3.46e-05	-0.12	0.0	8.31e-06	0.0
289	91	7.23e-04	3.54e-05	-0.12	0.0	8.28e-06	0.0
289	92	7.46e-04	3.57e-05	-0.12	0.0	9.01e-06	0.0
289	93	9.43e-04	3.48e-05	-0.12	0.0	9.78e-06	0.0
289	101	8.11e-04	3.48e-05	-0.12	0.0	8.30e-06	0.0
289	102	9.07e-04	3.44e-05	-0.12	0.0	8.61e-06	0.0
289	105	8.98e-04	3.43e-05	-0.12	0.0	8.32e-06	0.0
289	106	8.45e-04	3.46e-05	-0.12	0.0	8.31e-06	0.0
290	9	9.92e-04	1.10e-03	-0.16	1.87e-04	9.74e-06	0.0
290	11	7.84e-04	1.17e-03	-0.16	1.87e-04	1.04e-05	0.0
290	36	0.03	-9.02e-03	-0.12	1.26e-04	1.22e-05	0.0
290	43	6.06e-03	0.02	-0.13	1.28e-04	1.18e-05	0.0
290	53	-0.01	0.03	-0.13	1.17e-04	7.51e-06	0.0
290	68	0.02	-6.22e-03	-0.12	1.21e-04	9.66e-06	0.0
290	75	2.52e-03	0.02	-0.13	1.22e-04	9.83e-06	0.0
290	85	-7.41e-03	0.02	-0.13	1.16e-04	7.48e-06	0.0
290	87	7.46e-04	7.88e-04	-0.12	1.15e-04	6.52e-06	0.0
290	88	6.87e-04	8.06e-04	-0.12	1.15e-04	6.72e-06	0.0
290	93	7.74e-04	8.32e-04	-0.13	1.37e-04	7.24e-06	0.0
290	95	6.35e-04	8.74e-04	-0.13	1.38e-04	7.70e-06	0.0
290	101	6.47e-04	8.18e-04	-0.12	1.15e-04	6.85e-06	0.0
290	102	7.52e-04	7.97e-04	-0.13	1.20e-04	6.67e-06	0.0
290	105	7.46e-04	7.88e-04	-0.12	1.15e-04	6.52e-06	0.0
290	106	6.87e-04	8.06e-04	-0.12	1.15e-04	6.72e-06	0.0
291	9	1.02e-03	1.34e-03	-0.16	1.71e-04	-9.31e-06	0.0
291	11	8.07e-04	1.42e-03	-0.16	1.72e-04	-1.02e-05	0.0
291	33	-0.03	0.01	-0.13	1.10e-04	0.0	0.0
291	36	0.03	-0.01	-0.12	1.02e-04	-1.24e-05	0.0
291	47	2.86e-03	0.03	-0.12	9.67e-05	4.98e-06	0.0
291	65	-0.01	8.23e-03	-0.12	1.08e-04	-2.45e-06	0.0
291	68	0.02	-7.21e-03	-0.12	1.04e-04	-9.69e-06	0.0
291	79	7.27e-04	0.03	-0.12	1.00e-04	1.20e-06	0.0
291	87	7.66e-04	9.57e-04	-0.12	1.05e-04	-5.65e-06	0.0
291	88	7.06e-04	9.79e-04	-0.12	1.06e-04	-5.91e-06	0.0
291	93	7.93e-04	1.01e-03	-0.13	1.26e-04	-6.77e-06	0.0
291	95	6.53e-04	1.06e-03	-0.13	1.26e-04	-7.38e-06	0.0
291	101	6.66e-04	9.94e-04	-0.12	1.06e-04	-6.08e-06	0.0
291	102	7.71e-04	9.68e-04	-0.12	1.10e-04	-5.88e-06	0.0
291	105	7.66e-04	9.57e-04	-0.12	1.05e-04	-5.65e-06	0.0
291	106	7.06e-04	9.79e-04	-0.12	1.06e-04	-5.91e-06	0.0
292	9	2.19e-03	1.51e-03	-0.24	-2.90e-04	-1.30e-05	0.0
292	11	2.05e-03	1.60e-03	-0.24	-2.91e-04	-1.58e-05	0.0
292	35	0.03	8.86e-03	-0.18	-2.16e-04	-1.13e-04	0.0
292	47	0.02	0.03	-0.18	-2.57e-04	-1.34e-04	0.0
292	51	0.02	0.03	-0.18	-2.58e-04	-1.34e-04	0.0
292	67	0.02	7.36e-03	-0.17	-1.97e-04	-6.96e-05	0.0
292	79	0.02	0.03	-0.18	-2.21e-04	-8.49e-05	0.0
292	83	0.02	0.02	-0.18	-2.22e-04	-8.53e-05	0.0
292	87	1.60e-03	1.08e-03	-0.17	-1.71e-04	-1.19e-05	0.0
292	88	1.56e-03	1.11e-03	-0.17	-1.71e-04	-1.27e-05	0.0
292	93	1.68e-03	1.14e-03	-0.18	-2.12e-04	-1.02e-05	0.0
292	95	1.59e-03	1.20e-03	-0.18	-2.12e-04	-1.21e-05	0.0
292	101	1.54e-03	1.12e-03	-0.17	-1.71e-04	-1.32e-05	0.0
292	102	1.62e-03	1.09e-03	-0.17	-1.79e-04	-1.15e-05	0.0
292	104	1.58e-03	1.12e-03	-0.17	-1.79e-04	-1.23e-05	0.0
292	105	1.60e-03	1.08e-03	-0.17	-1.71e-04	-1.19e-05	0.0
292	106	1.56e-03	1.11e-03	-0.17	-1.71e-04	-1.27e-05	0.0
293	9	2.14e-03	1.17e-03	-0.25	-3.63e-04	2.13e-04	0.0
293	11	2.00e-03	1.24e-03	-0.25	-3.64e-04	2.13e-04	0.0
293	35	0.03	7.51e-03	-0.18	-2.26e-04	1.05e-04	0.0
293	41	1.21e-03	0.02	-0.18	-2.79e-04	1.21e-04	0.0
293	53	7.10e-03	0.03	-0.18	-2.73e-04	1.08e-04	0.0
293	67	0.02	6.20e-03	-0.18	-2.23e-04	1.18e-04	0.0
293	73	4.59e-03	0.02	-0.18	-2.53e-04	1.25e-04	0.0
293	85	7.83e-03	0.02	-0.18	-2.49e-04	1.18e-04	0.0
293	87	1.57e-03	8.40e-04	-0.18	-2.17e-04	1.36e-04	0.0
293	88	1.53e-03	8.59e-04	-0.18	-2.17e-04	1.36e-04	0.0
293	93	1.64e-03	8.84e-04	-0.19	-2.66e-04	1.58e-04	0.0
293	95	1.55e-03	9.28e-04	-0.19	-2.66e-04	1.58e-04	0.0
293	101	1.50e-03	8.71e-04	-0.18	-2.17e-04	1.36e-04	0.0
293	102	1.58e-03	8.49e-04	-0.18	-2.27e-04	1.40e-04	0.0
293	105	1.57e-03	8.40e-04	-0.18	-2.17e-04	1.36e-04	0.0

293	106	1.53e-03	8.59e-04	-0.18	-2.17e-04	1.36e-04	0.0
294	9	2.10e-03	9.74e-04	-0.26	-3.82e-04	-4.63e-05	0.0
294	11	1.96e-03	1.03e-03	-0.26	-3.82e-04	-4.69e-05	0.0
294	35	0.03	6.58e-03	-0.19	-2.61e-04	8.17e-05	0.0
294	43	0.02	0.02	-0.19	-2.95e-04	-3.58e-05	0.0
294	53	6.49e-03	0.03	-0.19	-2.77e-04	-8.14e-05	0.0
294	67	0.02	5.41e-03	-0.19	-2.47e-04	3.14e-05	0.0
294	75	0.01	0.02	-0.19	-2.67e-04	-3.31e-05	0.0
294	85	7.38e-03	0.02	-0.19	-2.57e-04	-5.83e-05	0.0
294	87	1.54e-03	6.99e-04	-0.18	-2.29e-04	-2.98e-05	0.0
294	88	1.50e-03	7.14e-04	-0.18	-2.29e-04	-3.00e-05	0.0
294	93	1.61e-03	7.35e-04	-0.20	-2.80e-04	-3.44e-05	0.0
294	95	1.51e-03	7.70e-04	-0.20	-2.80e-04	-3.47e-05	0.0
294	101	1.47e-03	7.25e-04	-0.18	-2.29e-04	-3.01e-05	0.0
294	102	1.55e-03	7.06e-04	-0.19	-2.39e-04	-3.07e-05	0.0
294	105	1.54e-03	6.99e-04	-0.18	-2.29e-04	-2.98e-05	0.0
294	106	1.50e-03	7.14e-04	-0.18	-2.29e-04	-3.00e-05	0.0
295	9	2.06e-03	6.56e-04	-0.22	-2.44e-04	-2.72e-04	0.0
295	11	1.92e-03	6.91e-04	-0.22	-2.43e-04	-2.71e-04	0.0
295	35	0.03	4.78e-03	-0.17	-1.75e-04	-2.64e-04	0.0
295	45	2.40e-04	0.02	-0.16	-1.58e-04	-1.63e-04	0.0
295	67	0.02	3.95e-03	-0.16	-1.59e-04	-2.24e-04	0.0
295	77	3.74e-03	0.02	-0.16	-1.50e-04	-1.69e-04	0.0
295	87	1.51e-03	4.71e-04	-0.16	-1.39e-04	-1.76e-04	0.0
295	88	1.47e-03	4.81e-04	-0.16	-1.39e-04	-1.76e-04	0.0
295	93	1.58e-03	4.95e-04	-0.17	-1.77e-04	-2.02e-04	0.0
295	95	1.49e-03	5.18e-04	-0.17	-1.77e-04	-2.02e-04	0.0
295	101	1.44e-03	4.88e-04	-0.16	-1.39e-04	-1.75e-04	0.0
295	102	1.52e-03	4.76e-04	-0.16	-1.46e-04	-1.81e-04	0.0
295	105	1.51e-03	4.71e-04	-0.16	-1.39e-04	-1.76e-04	0.0
295	106	1.47e-03	4.81e-04	-0.16	-1.39e-04	-1.76e-04	0.0
296	9	2.04e-03	4.17e-04	-0.21	-2.04e-04	1.47e-04	0.0
296	11	1.90e-03	4.38e-04	-0.21	-2.04e-04	1.47e-04	0.0
296	33	-0.02	8.68e-03	-0.16	-1.43e-04	2.14e-04	0.0
296	35	0.03	3.32e-03	-0.15	-1.00e-04	-6.84e-06	0.0
296	39	0.01	0.02	-0.16	-1.43e-04	1.08e-04	0.0
296	65	-0.01	5.81e-03	-0.16	-1.30e-04	1.61e-04	0.0
296	67	0.02	2.80e-03	-0.15	-1.06e-04	3.89e-05	0.0
296	71	0.01	0.02	-0.15	-1.30e-04	1.02e-04	0.0
296	87	1.48e-03	3.00e-04	-0.15	-1.13e-04	9.48e-05	0.0
296	88	1.44e-03	3.07e-04	-0.15	-1.13e-04	9.50e-05	0.0
296	93	1.56e-03	3.15e-04	-0.16	-1.48e-04	1.09e-04	0.0
296	95	1.46e-03	3.29e-04	-0.16	-1.48e-04	1.09e-04	0.0
296	101	1.42e-03	3.11e-04	-0.15	-1.13e-04	9.51e-05	0.0
296	102	1.50e-03	3.03e-04	-0.15	-1.20e-04	9.76e-05	0.0
296	105	1.48e-03	3.00e-04	-0.15	-1.13e-04	9.48e-05	0.0
296	106	1.44e-03	3.07e-04	-0.15	-1.13e-04	9.50e-05	0.0
297	3	1.70e-03	2.45e-05	-0.24	-3.04e-04	3.48e-05	0.0
297	9	2.02e-03	1.91e-05	-0.26	-3.81e-04	4.33e-05	0.0
297	11	1.88e-03	1.98e-05	-0.26	-3.81e-04	4.27e-05	0.0
297	35	0.03	9.96e-04	-0.18	-2.26e-04	1.44e-04	0.0
297	41	-4.59e-04	0.02	-0.19	-3.14e-04	-2.64e-05	0.0
297	42	-0.01	-0.02	-0.18	-1.52e-04	1.36e-05	0.0
297	67	0.02	9.87e-04	-0.18	-2.27e-04	9.16e-05	0.0
297	71	0.01	0.01	-0.19	-2.70e-04	3.53e-05	0.0
297	73	2.99e-03	0.01	-0.19	-2.76e-04	-1.33e-06	0.0
297	87	1.46e-03	1.85e-05	-0.18	-2.27e-04	2.70e-05	0.0
297	88	1.42e-03	1.86e-05	-0.18	-2.27e-04	2.68e-05	0.0
297	91	1.33e-03	1.90e-05	-0.18	-2.27e-04	2.64e-05	0.0
297	93	1.54e-03	1.55e-05	-0.20	-2.79e-04	3.20e-05	0.0
297	95	1.45e-03	1.59e-05	-0.20	-2.79e-04	3.16e-05	0.0
297	101	1.40e-03	1.87e-05	-0.18	-2.27e-04	2.67e-05	0.0
297	102	1.48e-03	1.79e-05	-0.19	-2.38e-04	2.80e-05	0.0
297	104	1.44e-03	1.80e-05	-0.19	-2.38e-04	2.78e-05	0.0
297	105	1.46e-03	1.85e-05	-0.18	-2.27e-04	2.70e-05	0.0
297	106	1.42e-03	1.86e-05	-0.18	-2.27e-04	2.68e-05	0.0
298	9	2.00e-03	-6.40e-05	-0.26	-3.93e-04	-1.08e-04	0.0
298	18	1.76e-03	-6.79e-05	-0.25	-3.63e-04	-1.02e-04	0.0
298	35	0.03	4.95e-04	-0.19	-2.61e-04	0.0	0.0
298	39	0.01	0.02	-0.19	-3.14e-04	-6.76e-05	0.0
298	42	-0.01	-0.02	-0.18	-1.55e-04	-7.21e-05	0.0
298	67	0.02	5.97e-04	-0.19	-2.49e-04	-3.11e-05	0.0
298	71	0.01	0.01	-0.19	-2.80e-04	-6.82e-05	0.0
298	74	-8.03e-03	-0.01	-0.18	-1.90e-04	-7.15e-05	0.0
298	87	1.45e-03	-4.07e-05	-0.18	-2.35e-04	-6.97e-05	0.0
298	88	1.41e-03	-4.18e-05	-0.18	-2.35e-04	-6.98e-05	0.0
298	93	1.53e-03	-4.72e-05	-0.20	-2.88e-04	-8.01e-05	0.0
298	99	1.37e-03	-4.98e-05	-0.19	-2.68e-04	-7.65e-05	0.0
298	102	1.47e-03	-4.20e-05	-0.19	-2.45e-04	-7.18e-05	0.0
298	104	1.43e-03	-4.31e-05	-0.19	-2.45e-04	-7.19e-05	0.0

298	105	1.45e-03	-4.07e-05	-0.18	-2.35e-04	-6.97e-05	0.0
298	106	1.41e-03	-4.18e-05	-0.18	-2.35e-04	-6.98e-05	0.0
299	9	1.96e-03	-2.58e-04	-0.25	-3.35e-04	-4.81e-06	0.0
299	11	1.82e-03	-2.74e-04	-0.25	-3.35e-04	-4.67e-06	0.0
299	35	0.03	-7.52e-04	-0.18	-2.18e-04	-6.98e-05	0.0
299	39	0.01	0.03	-0.18	-2.63e-04	2.32e-05	0.0
299	42	-0.01	-0.03	-0.17	-1.32e-04	-2.98e-05	0.0
299	67	0.02	-3.81e-04	-0.18	-2.09e-04	-4.02e-05	0.0
299	71	0.01	0.01	-0.18	-2.34e-04	1.08e-05	0.0
299	74	-7.81e-03	-0.01	-0.17	-1.61e-04	-1.74e-05	0.0
299	87	1.42e-03	-1.80e-04	-0.18	-1.98e-04	-3.34e-06	0.0
299	88	1.38e-03	-1.84e-04	-0.18	-1.98e-04	-3.30e-06	0.0
299	93	1.50e-03	-1.93e-04	-0.19	-2.45e-04	-3.63e-06	0.0
299	95	1.41e-03	-2.04e-04	-0.19	-2.45e-04	-3.54e-06	0.0
299	101	1.35e-03	-1.87e-04	-0.18	-1.98e-04	-3.28e-06	0.0
299	102	1.44e-03	-1.83e-04	-0.18	-2.07e-04	-3.40e-06	0.0
299	105	1.42e-03	-1.80e-04	-0.18	-1.98e-04	-3.34e-06	0.0
299	106	1.38e-03	-1.84e-04	-0.18	-1.98e-04	-3.30e-06	0.0
300	9	1.93e-03	-4.80e-04	-0.26	-4.12e-04	2.13e-04	0.0
300	11	1.79e-03	-5.08e-04	-0.26	-4.12e-04	2.12e-04	0.0
300	35	0.03	-1.84e-03	-0.18	-2.47e-04	1.63e-04	0.0
300	41	-7.94e-04	0.02	-0.20	-3.67e-04	1.83e-04	0.0
300	42	-0.01	-0.03	-0.17	-1.42e-04	8.02e-05	0.0
300	67	0.02	-1.28e-03	-0.18	-2.47e-04	1.51e-04	0.0
300	73	2.57e-03	0.01	-0.19	-3.13e-04	1.62e-04	0.0
300	74	-7.69e-03	-0.01	-0.18	-1.89e-04	1.06e-04	0.0
300	87	1.40e-03	-3.38e-04	-0.19	-2.47e-04	1.37e-04	0.0
300	88	1.36e-03	-3.46e-04	-0.19	-2.47e-04	1.37e-04	0.0
300	93	1.48e-03	-3.61e-04	-0.20	-3.02e-04	1.58e-04	0.0
300	95	1.38e-03	-3.79e-04	-0.20	-3.02e-04	1.58e-04	0.0
300	101	1.33e-03	-3.52e-04	-0.19	-2.47e-04	1.37e-04	0.0
300	102	1.42e-03	-3.43e-04	-0.19	-2.58e-04	1.41e-04	0.0
300	104	1.38e-03	-3.51e-04	-0.19	-2.58e-04	1.41e-04	0.0
300	105	1.40e-03	-3.38e-04	-0.19	-2.47e-04	1.37e-04	0.0
300	106	1.36e-03	-3.46e-04	-0.19	-2.47e-04	1.37e-04	0.0
301	9	1.91e-03	-6.22e-04	-0.27	-4.16e-04	-1.24e-04	0.0
301	11	1.77e-03	-6.58e-04	-0.27	-4.15e-04	-1.24e-04	0.0
301	35	0.03	-2.32e-03	-0.20	-2.91e-04	2.78e-05	0.0
301	39	0.01	0.03	-0.21	-3.94e-04	-3.70e-05	0.0
301	42	-0.01	-0.03	-0.17	-1.06e-04	-1.20e-04	0.0
301	67	0.02	-1.74e-03	-0.19	-2.73e-04	-1.98e-05	0.0
301	71	0.01	0.01	-0.20	-3.30e-04	-5.47e-05	0.0
301	74	-7.67e-03	-0.02	-0.18	-1.70e-04	-1.03e-04	0.0
301	87	1.38e-03	-4.40e-04	-0.19	-2.50e-04	-7.85e-05	0.0
301	88	1.34e-03	-4.50e-04	-0.19	-2.50e-04	-7.87e-05	0.0
301	93	1.46e-03	-4.68e-04	-0.20	-3.05e-04	-9.16e-05	0.0
301	95	1.37e-03	-4.92e-04	-0.20	-3.05e-04	-9.20e-05	0.0
301	101	1.32e-03	-4.57e-04	-0.19	-2.50e-04	-7.88e-05	0.0
301	102	1.40e-03	-4.45e-04	-0.19	-2.61e-04	-8.11e-05	0.0
301	105	1.38e-03	-4.40e-04	-0.19	-2.50e-04	-7.85e-05	0.0
301	106	1.34e-03	-4.50e-04	-0.19	-2.50e-04	-7.87e-05	0.0
302	9	1.98e-03	-8.41e-04	-0.21	-2.03e-04	-4.77e-04	0.0
302	11	1.84e-03	-8.91e-04	-0.21	-2.03e-04	-4.77e-04	0.0
302	35	0.03	-2.43e-03	-0.17	-1.81e-04	-3.35e-04	0.0
302	39	0.01	0.03	-0.18	-2.78e-04	-2.38e-04	0.0
302	42	-0.01	-0.03	-0.13	5.03e-05	-3.69e-04	0.0
302	67	0.02	-2.12e-03	-0.16	-1.51e-04	-3.21e-04	0.0
302	71	0.01	0.02	-0.17	-2.04e-04	-2.68e-04	0.0
302	74	-7.59e-03	-0.02	-0.14	-2.31e-05	-3.39e-04	0.0
302	87	1.42e-03	-5.98e-04	-0.15	-1.14e-04	-3.04e-04	0.0
302	88	1.38e-03	-6.12e-04	-0.15	-1.14e-04	-3.04e-04	0.0
302	93	1.51e-03	-6.33e-04	-0.16	-1.47e-04	-3.53e-04	0.0
302	95	1.42e-03	-6.66e-04	-0.16	-1.47e-04	-3.53e-04	0.0
302	101	1.36e-03	-6.21e-04	-0.15	-1.14e-04	-3.03e-04	0.0
302	102	1.44e-03	-6.05e-04	-0.16	-1.20e-04	-3.14e-04	0.0
302	105	1.42e-03	-5.98e-04	-0.15	-1.14e-04	-3.04e-04	0.0
302	106	1.38e-03	-6.12e-04	-0.15	-1.14e-04	-3.04e-04	0.0
303	9	2.04e-03	-1.06e-03	-0.18	-1.71e-05	-1.42e-04	0.0
303	11	1.91e-03	-1.12e-03	-0.18	-1.69e-05	-1.42e-04	0.0
303	35	0.03	-2.15e-03	-0.13	-6.52e-05	-1.31e-04	0.0
303	39	0.01	0.03	-0.18	-2.80e-04	2.32e-04	0.0
303	42	-0.01	-0.04	-0.09	2.89e-04	-3.96e-04	0.0
303	67	0.02	-2.23e-03	-0.13	-3.37e-05	-1.09e-04	0.0
303	71	0.01	0.02	-0.16	-1.52e-04	8.96e-05	0.0
303	74	-7.58e-03	-0.02	-0.11	1.60e-04	-2.53e-04	0.0
303	87	1.46e-03	-7.48e-04	-0.13	4.38e-06	-8.17e-05	0.0
303	88	1.42e-03	-7.65e-04	-0.13	4.45e-06	-8.18e-05	0.0
303	93	1.56e-03	-7.94e-04	-0.14	-9.42e-06	-1.03e-04	0.0
303	95	1.47e-03	-8.34e-04	-0.14	-9.25e-06	-1.03e-04	0.0
303	101	1.40e-03	-7.77e-04	-0.13	4.50e-06	-8.18e-05	0.0

303	102	1.48e-03	-7.57e-04	-0.13	1.62e-06	-8.60e-05	0.0
303	105	1.46e-03	-7.48e-04	-0.13	4.38e-06	-8.17e-05	0.0
303	106	1.42e-03	-7.65e-04	-0.13	4.45e-06	-8.18e-05	0.0
304	9	2.12e-03	-1.34e-03	-0.19	6.87e-05	2.69e-04	0.0
304	11	1.98e-03	-1.41e-03	-0.19	6.91e-05	2.68e-04	0.0
304	35	0.03	-8.54e-03	-0.14	5.62e-05	3.76e-04	0.0
304	39	0.01	0.04	-0.25	-7.01e-04	9.23e-04	0.0
304	42	-0.01	-0.04	-0.03	8.12e-04	-5.43e-04	0.0
304	67	0.02	-6.05e-03	-0.14	5.64e-05	2.92e-04	0.0
304	71	0.01	0.02	-0.20	-3.59e-04	5.91e-04	0.0
304	74	-7.61e-03	-0.02	-0.08	4.70e-04	-2.12e-04	0.0
304	87	1.51e-03	-9.43e-04	-0.14	5.54e-05	1.90e-04	0.0
304	88	1.47e-03	-9.64e-04	-0.14	5.55e-05	1.90e-04	0.0
304	93	1.61e-03	-1.01e-03	-0.14	5.34e-05	2.03e-04	0.0
304	95	1.52e-03	-1.06e-03	-0.14	5.37e-05	2.03e-04	0.0
304	101	1.44e-03	-9.78e-04	-0.14	5.56e-05	1.89e-04	0.0
304	102	1.53e-03	-9.56e-04	-0.14	5.50e-05	1.92e-04	0.0
304	105	1.51e-03	-9.43e-04	-0.14	5.54e-05	1.90e-04	0.0
304	106	1.47e-03	-9.64e-04	-0.14	5.55e-05	1.90e-04	0.0
305	9	2.16e-03	-1.50e-03	-0.23	8.22e-05	4.10e-04	0.0
305	11	2.02e-03	-1.59e-03	-0.23	8.29e-05	4.09e-04	0.0
305	35	0.03	-0.01	-0.22	5.87e-05	5.65e-04	0.0
305	39	0.01	0.04	-0.36	-1.20e-03	7.79e-04	0.0
305	42	-0.01	-0.05	0.02	1.32e-03	-2.32e-04	0.0
305	67	0.02	-7.15e-03	-0.20	5.95e-05	4.34e-04	0.0
305	71	0.01	0.02	-0.27	-6.31e-04	5.52e-04	0.0
305	74	-7.65e-03	-0.02	-0.07	7.48e-04	-5.01e-06	0.0
305	87	1.53e-03	-1.04e-03	-0.17	5.85e-05	2.74e-04	0.0
305	88	1.49e-03	-1.07e-03	-0.17	5.87e-05	2.74e-04	0.0
305	93	1.64e-03	-1.12e-03	-0.18	6.22e-05	3.07e-04	0.0
305	95	1.55e-03	-1.18e-03	-0.18	6.26e-05	3.06e-04	0.0
305	101	1.46e-03	-1.08e-03	-0.17	5.89e-05	2.73e-04	0.0
305	102	1.55e-03	-1.06e-03	-0.17	5.93e-05	2.81e-04	0.0
305	105	1.53e-03	-1.04e-03	-0.17	5.85e-05	2.74e-04	0.0
305	106	1.49e-03	-1.07e-03	-0.17	5.87e-05	2.74e-04	0.0
306	9	7.51e-04	9.28e-04	-0.19	3.60e-04	-2.58e-05	0.0
306	11	5.32e-04	9.81e-04	-0.19	3.60e-04	-2.54e-05	0.0
306	36	0.03	-8.23e-03	-0.14	2.31e-04	-7.08e-06	0.0
306	43	4.27e-03	0.02	-0.14	2.34e-04	-5.34e-06	0.0
306	53	-0.02	0.03	-0.14	2.23e-04	-1.45e-05	0.0
306	68	0.02	-5.63e-03	-0.14	2.27e-04	-1.13e-05	0.0
306	75	6.49e-04	0.02	-0.14	2.27e-04	-1.05e-05	0.0
306	85	-0.01	0.02	-0.14	2.22e-04	-1.56e-05	0.0
306	87	5.74e-04	6.62e-04	-0.14	2.21e-04	-1.67e-05	0.0
306	88	5.11e-04	6.77e-04	-0.14	2.21e-04	-1.66e-05	0.0
306	93	5.92e-04	6.99e-04	-0.14	2.65e-04	-1.92e-05	0.0
306	95	4.46e-04	7.35e-04	-0.14	2.65e-04	-1.89e-05	0.0
306	101	4.69e-04	6.87e-04	-0.14	2.21e-04	-1.65e-05	0.0
306	102	5.77e-04	6.69e-04	-0.14	2.30e-04	-1.72e-05	0.0
306	105	5.74e-04	6.62e-04	-0.14	2.21e-04	-1.67e-05	0.0
306	106	5.11e-04	6.77e-04	-0.14	2.21e-04	-1.66e-05	0.0
307	9	1.44e-03	-2.50e-04	-0.16	-1.90e-04	9.20e-06	0.0
307	11	1.28e-03	-2.65e-04	-0.16	-1.90e-04	9.18e-06	0.0
307	35	0.03	-7.89e-04	-0.13	-1.14e-04	1.02e-05	0.0
307	42	-7.59e-03	-0.03	-0.13	-1.23e-04	6.84e-06	0.0
307	67	0.01	-4.05e-04	-0.13	-1.15e-04	8.17e-06	0.0
307	74	-4.56e-03	-0.01	-0.13	-1.20e-04	6.17e-06	0.0
307	87	1.05e-03	-1.76e-04	-0.13	-1.17e-04	5.58e-06	0.0
307	88	1.01e-03	-1.80e-04	-0.13	-1.17e-04	5.58e-06	0.0
307	93	1.11e-03	-1.88e-04	-0.13	-1.40e-04	6.76e-06	0.0
307	95	9.98e-04	-1.98e-04	-0.13	-1.40e-04	6.74e-06	0.0
307	101	9.74e-04	-1.83e-04	-0.13	-1.17e-04	5.57e-06	0.0
307	102	1.07e-03	-1.78e-04	-0.13	-1.22e-04	5.82e-06	0.0
307	104	1.02e-03	-1.83e-04	-0.13	-1.22e-04	5.81e-06	0.0
307	105	1.05e-03	-1.76e-04	-0.13	-1.17e-04	5.58e-06	0.0
307	106	1.01e-03	-1.80e-04	-0.13	-1.17e-04	5.58e-06	0.0
308	9	2.21e-03	-1.65e-03	-0.25	8.02e-05	3.97e-04	0.0
308	11	2.07e-03	-1.74e-03	-0.25	8.09e-05	3.96e-04	0.0
308	35	0.03	-0.01	-0.24	5.65e-05	5.69e-04	0.0
308	39	0.01	0.04	-0.39	-1.35e-03	6.35e-04	0.0
308	42	-0.01	-0.05	0.02	1.46e-03	-1.08e-04	0.0
308	67	0.02	-7.58e-03	-0.21	5.74e-05	4.32e-04	0.0
308	71	0.01	0.02	-0.29	-7.15e-04	4.69e-04	0.0
308	74	-7.61e-03	-0.02	-0.07	8.28e-04	5.82e-05	0.0
308	87	1.56e-03	-1.14e-03	-0.18	5.65e-05	2.64e-04	0.0
308	88	1.52e-03	-1.17e-03	-0.18	5.67e-05	2.64e-04	0.0
308	93	1.68e-03	-1.24e-03	-0.19	6.05e-05	2.97e-04	0.0
308	95	1.59e-03	-1.30e-03	-0.19	6.10e-05	2.96e-04	0.0
308	102	1.58e-03	-1.16e-03	-0.18	5.73e-05	2.70e-04	0.0
308	104	1.54e-03	-1.19e-03	-0.18	5.75e-05	2.70e-04	0.0

308	105	1.56e-03	-1.14e-03	-0.18	5.65e-05	2.64e-04	0.0
308	106	1.52e-03	-1.17e-03	-0.18	5.67e-05	2.64e-04	0.0
309	1	1.98e-03	-5.59e-03	-0.39	-2.37e-05	7.29e-05	0.0
309	9	1.89e-03	-5.94e-03	-0.43	-2.15e-06	7.55e-05	0.0
309	11	5.92e-04	-6.31e-03	-0.43	-1.40e-06	7.55e-05	0.0
309	32	0.29	-0.20	-0.24	5.58e-04	-1.87e-04	0.0
309	39	-8.30e-04	0.49	-0.44	-1.48e-03	4.06e-04	0.0
309	42	3.87e-03	-0.50	-0.15	1.44e-03	-2.94e-04	0.0
309	64	0.16	-0.11	-0.26	2.99e-04	-7.70e-05	0.0
309	71	5.00e-03	0.27	-0.37	-8.27e-04	2.46e-04	0.0
309	74	-2.46e-03	-0.28	-0.21	7.87e-04	-1.35e-04	0.0
309	87	1.64e-03	-4.24e-03	-0.29	-2.00e-05	5.59e-05	0.0
309	88	1.27e-03	-4.35e-03	-0.29	-1.98e-05	5.59e-05	0.0
309	89	1.64e-03	-4.24e-03	-0.29	-2.00e-05	5.59e-05	0.0
309	93	1.59e-03	-4.47e-03	-0.32	-5.64e-06	5.76e-05	0.0
309	95	7.19e-04	-4.72e-03	-0.32	-5.14e-06	5.76e-05	0.0
309	100	1.64e-03	-4.24e-03	-0.29	-2.00e-05	5.59e-05	0.0
309	101	1.02e-03	-4.42e-03	-0.29	-1.97e-05	5.59e-05	0.0
309	102	1.63e-03	-4.29e-03	-0.30	-1.72e-05	5.62e-05	0.0
309	105	1.64e-03	-4.24e-03	-0.29	-2.00e-05	5.59e-05	0.0
309	106	1.27e-03	-4.35e-03	-0.29	-1.98e-05	5.59e-05	0.0
310	1	1.77e-03	-6.48e-03	-0.35	-2.03e-05	-7.68e-04	0.0
310	9	1.65e-03	-6.87e-03	-0.38	-6.38e-06	-9.26e-04	0.0
310	11	3.45e-04	-7.30e-03	-0.38	-5.57e-06	-9.26e-04	0.0
310	32	0.29	-0.21	-0.19	5.70e-04	-6.04e-04	0.0
310	39	-5.51e-04	0.51	-0.45	-1.49e-03	-2.40e-04	0.0
310	42	3.28e-03	-0.52	-0.08	1.46e-03	-9.16e-04	0.0
310	64	0.16	-0.12	-0.22	3.06e-04	-5.92e-04	0.0
310	71	5.08e-03	0.28	-0.36	-8.28e-04	-3.94e-04	0.0
310	74	-2.85e-03	-0.29	-0.16	7.95e-04	-7.62e-04	0.0
310	87	1.49e-03	-4.92e-03	-0.26	-1.68e-05	-5.78e-04	0.0
310	88	1.11e-03	-5.04e-03	-0.26	-1.66e-05	-5.78e-04	0.0
310	89	1.49e-03	-4.92e-03	-0.26	-1.68e-05	-5.78e-04	0.0
310	93	1.40e-03	-5.17e-03	-0.29	-7.51e-06	-6.83e-04	0.0
310	95	5.36e-04	-5.46e-03	-0.29	-6.97e-06	-6.83e-04	0.0
310	100	1.49e-03	-4.92e-03	-0.26	-1.68e-05	-5.78e-04	0.0
310	101	8.66e-04	-5.13e-03	-0.26	-1.64e-05	-5.78e-04	0.0
310	102	1.47e-03	-4.97e-03	-0.27	-1.49e-05	-5.99e-04	0.0
310	105	1.49e-03	-4.92e-03	-0.26	-1.68e-05	-5.78e-04	0.0
310	106	1.11e-03	-5.04e-03	-0.26	-1.66e-05	-5.78e-04	0.0
311	9	1.44e-03	-4.58e-04	-0.17	-2.05e-04	8.02e-06	0.0
311	11	1.28e-03	-4.86e-04	-0.17	-2.05e-04	8.01e-06	0.0
311	35	0.03	-1.85e-03	-0.13	-1.29e-04	2.31e-06	0.0
311	40	6.56e-03	-0.02	-0.13	-1.41e-04	7.17e-06	0.0
311	42	-7.54e-03	-0.03	-0.13	-1.38e-04	8.43e-06	0.0
311	67	0.01	-1.28e-03	-0.13	-1.28e-04	3.42e-06	0.0
311	72	3.24e-03	-0.01	-0.13	-1.35e-04	5.98e-06	0.0
311	74	-4.51e-03	-0.01	-0.13	-1.33e-04	6.67e-06	0.0
311	87	1.05e-03	-3.25e-04	-0.13	-1.27e-04	4.71e-06	0.0
311	88	1.00e-03	-3.33e-04	-0.13	-1.27e-04	4.70e-06	0.0
311	93	1.11e-03	-3.45e-04	-0.13	-1.51e-04	5.86e-06	0.0
311	95	9.97e-04	-3.63e-04	-0.13	-1.51e-04	5.85e-06	0.0
311	101	9.72e-04	-3.38e-04	-0.13	-1.27e-04	4.70e-06	0.0
311	102	1.06e-03	-3.29e-04	-0.13	-1.32e-04	4.94e-06	0.0
311	104	1.02e-03	-3.37e-04	-0.13	-1.32e-04	4.93e-06	0.0
311	105	1.05e-03	-3.25e-04	-0.13	-1.27e-04	4.71e-06	0.0
311	106	1.00e-03	-3.33e-04	-0.13	-1.27e-04	4.70e-06	0.0
312	4	-2.91e-03	-2.62e-03	-0.24	-5.17e-05	3.14e-05	0.0
312	11	-3.00e-03	-2.59e-03	-0.24	-5.15e-05	3.19e-05	0.0
312	38	-0.03	-0.02	-0.18	3.99e-05	1.51e-06	0.0
312	48	-0.01	-0.05	-0.08	3.96e-04	5.54e-05	0.0
312	49	7.80e-03	0.05	-0.26	-4.61e-04	-1.42e-05	0.0
312	70	-0.02	-0.02	-0.17	1.86e-05	9.88e-06	0.0
312	80	-0.01	-0.05	-0.11	2.42e-04	4.18e-05	0.0
312	81	7.04e-03	0.05	-0.22	-3.14e-04	0.0	0.0
312	88	-2.07e-03	-1.74e-03	-0.17	-3.59e-05	2.13e-05	0.0
312	92	-2.19e-03	-1.94e-03	-0.18	-3.88e-05	2.34e-05	0.0
312	95	-2.25e-03	-1.92e-03	-0.18	-3.86e-05	2.37e-05	0.0
312	101	-2.08e-03	-1.79e-03	-0.17	-3.65e-05	2.16e-05	0.0
312	104	-2.10e-03	-1.76e-03	-0.17	-3.62e-05	2.16e-05	0.0
312	106	-2.07e-03	-1.74e-03	-0.17	-3.59e-05	2.13e-05	0.0
313	4	-2.89e-03	-2.53e-03	-0.24	-7.45e-05	4.00e-05	0.0
313	11	-2.98e-03	-2.51e-03	-0.24	-7.43e-05	4.05e-05	0.0
313	38	-0.03	-0.02	-0.18	2.61e-05	3.68e-06	0.0
313	48	-0.01	-0.05	-0.08	3.90e-04	5.77e-05	0.0
313	49	7.80e-03	0.05	-0.26	-4.85e-04	-5.43e-06	0.0
313	70	-0.02	-0.02	-0.17	3.56e-06	1.42e-05	0.0
313	80	-0.01	-0.05	-0.12	2.32e-04	4.67e-05	0.0
313	81	7.05e-03	0.04	-0.23	-3.35e-04	8.11e-06	0.0
313	88	-2.06e-03	-1.71e-03	-0.17	-5.18e-05	2.74e-05	0.0

313	92	-2.18e-03	-1.88e-03	-0.18	-5.59e-05	2.99e-05	0.0
313	95	-2.23e-03	-1.87e-03	-0.18	-5.57e-05	3.02e-05	0.0
313	101	-2.07e-03	-1.74e-03	-0.17	-5.27e-05	2.78e-05	0.0
313	104	-2.09e-03	-1.72e-03	-0.17	-5.23e-05	2.78e-05	0.0
313	106	-2.06e-03	-1.71e-03	-0.17	-5.18e-05	2.74e-05	0.0
314	4	-2.93e-03	-2.49e-03	-0.25	-2.51e-04	5.69e-05	0.0
314	11	-3.02e-03	-2.49e-03	-0.25	-2.51e-04	5.75e-05	0.0
314	38	-0.03	-0.02	-0.18	-9.51e-05	1.34e-05	0.0
314	48	-0.01	-0.04	-0.09	2.91e-04	7.62e-05	0.0
314	49	7.57e-03	0.04	-0.26	-6.11e-04	-3.54e-06	0.0
314	70	-0.02	-0.02	-0.18	-1.19e-04	2.63e-05	0.0
314	80	-0.01	-0.04	-0.12	1.19e-04	6.48e-05	0.0
314	81	6.88e-03	0.04	-0.23	-4.69e-04	1.45e-05	0.0
314	88	-2.09e-03	-1.74e-03	-0.18	-1.75e-04	3.97e-05	0.0
314	92	-2.21e-03	-1.87e-03	-0.19	-1.88e-04	4.27e-05	0.0
314	95	-2.27e-03	-1.87e-03	-0.19	-1.88e-04	4.31e-05	0.0
314	101	-2.10e-03	-1.77e-03	-0.18	-1.78e-04	4.02e-05	0.0
314	104	-2.12e-03	-1.75e-03	-0.18	-1.76e-04	4.01e-05	0.0
314	106	-2.09e-03	-1.74e-03	-0.18	-1.75e-04	3.97e-05	0.0
315	11	-3.04e-03	-2.29e-03	-0.26	-4.32e-04	4.78e-05	0.0
315	38	-0.03	-0.02	-0.18	-2.31e-04	1.11e-05	0.0
315	48	-0.01	-0.04	-0.10	1.49e-04	8.12e-05	0.0
315	49	6.90e-03	0.03	-0.26	-7.02e-04	-1.94e-05	0.0
315	70	-0.02	-0.02	-0.18	-2.52e-04	2.19e-05	0.0
315	80	-0.01	-0.04	-0.13	-1.94e-05	6.36e-05	0.0
315	81	6.43e-03	0.03	-0.23	-5.84e-04	2.29e-06	0.0
315	88	-2.12e-03	-1.63e-03	-0.18	-3.02e-04	3.29e-05	0.0
315	95	-2.29e-03	-1.73e-03	-0.19	-3.24e-04	3.58e-05	0.0
315	101	-2.12e-03	-1.65e-03	-0.18	-3.06e-04	3.33e-05	0.0
315	104	-2.15e-03	-1.64e-03	-0.18	-3.04e-04	3.34e-05	0.0
315	106	-2.12e-03	-1.63e-03	-0.18	-3.02e-04	3.29e-05	0.0
316	9	-2.90e-03	-2.00e-03	-0.25	-4.96e-04	2.88e-05	0.0
316	11	-2.88e-03	-2.08e-03	-0.26	-5.23e-04	2.91e-05	0.0
316	38	-0.03	-0.02	-0.18	-3.03e-04	-1.17e-05	0.0
316	48	-9.87e-03	-0.03	-0.11	5.20e-05	5.07e-05	0.0
316	49	6.01e-03	0.03	-0.26	-7.24e-04	-1.26e-05	0.0
316	70	-0.02	-0.01	-0.18	-3.21e-04	3.16e-06	0.0
316	80	-9.96e-03	-0.03	-0.14	-1.03e-04	3.97e-05	0.0
316	81	5.89e-03	0.03	-0.23	-6.27e-04	0.0	0.0
316	87	-2.04e-03	-1.47e-03	-0.18	-3.58e-04	1.99e-05	0.0
316	88	-2.03e-03	-1.49e-03	-0.19	-3.65e-04	2.00e-05	0.0
316	93	-2.19e-03	-1.52e-03	-0.19	-3.74e-04	2.17e-05	0.0
316	95	-2.18e-03	-1.57e-03	-0.20	-3.93e-04	2.18e-05	0.0
316	101	-2.03e-03	-1.51e-03	-0.19	-3.71e-04	2.00e-05	0.0
316	102	-2.07e-03	-1.48e-03	-0.18	-3.61e-04	2.02e-05	0.0
316	105	-2.04e-03	-1.47e-03	-0.18	-3.58e-04	1.99e-05	0.0
316	106	-2.03e-03	-1.49e-03	-0.19	-3.65e-04	2.00e-05	0.0
317	9	-2.61e-03	-1.81e-03	-0.25	-5.08e-04	1.74e-05	0.0
317	11	-2.54e-03	-1.88e-03	-0.26	-5.37e-04	1.67e-05	0.0
317	38	-0.03	-0.01	-0.18	-3.09e-04	-2.37e-05	0.0
317	48	-8.50e-03	-0.03	-0.11	2.66e-05	3.64e-05	0.0
317	49	5.03e-03	0.02	-0.26	-7.12e-04	-1.32e-05	0.0
317	70	-0.02	-0.01	-0.18	-3.29e-04	-7.35e-06	0.0
317	80	-9.00e-03	-0.03	-0.14	-1.22e-04	2.71e-05	0.0
317	81	5.35e-03	0.03	-0.23	-6.27e-04	-3.42e-06	0.0
317	87	-1.85e-03	-1.34e-03	-0.18	-3.66e-04	1.21e-05	0.0
317	88	-1.82e-03	-1.36e-03	-0.19	-3.74e-04	1.18e-05	0.0
317	93	-1.98e-03	-1.38e-03	-0.19	-3.84e-04	1.31e-05	0.0
317	95	-1.93e-03	-1.42e-03	-0.20	-4.03e-04	1.27e-05	0.0
317	101	-1.81e-03	-1.37e-03	-0.19	-3.80e-04	1.17e-05	0.0
317	102	-1.87e-03	-1.35e-03	-0.19	-3.70e-04	1.23e-05	0.0
317	105	-1.85e-03	-1.34e-03	-0.18	-3.66e-04	1.21e-05	0.0
317	106	-1.82e-03	-1.36e-03	-0.19	-3.74e-04	1.18e-05	0.0
318	4	-2.00e-03	-1.75e-03	-0.27	-5.74e-04	8.06e-06	0.0
318	9	-2.25e-03	-1.69e-03	-0.25	-5.45e-04	1.04e-05	0.0
318	11	-2.13e-03	-1.75e-03	-0.27	-5.75e-04	9.11e-06	0.0
318	38	-0.03	-0.01	-0.18	-3.33e-04	-3.00e-05	0.0
318	48	-7.03e-03	-0.02	-0.12	-1.32e-05	2.25e-05	0.0
318	49	4.05e-03	0.02	-0.26	-7.26e-04	-8.94e-06	0.0
318	70	-0.02	-0.01	-0.18	-3.55e-04	-1.33e-05	0.0
318	80	-7.96e-03	-0.03	-0.15	-1.57e-04	1.62e-05	0.0
318	81	4.82e-03	0.02	-0.23	-6.46e-04	-2.43e-06	0.0
318	87	-1.61e-03	-1.26e-03	-0.19	-3.93e-04	7.28e-06	0.0
318	88	-1.57e-03	-1.27e-03	-0.19	-4.02e-04	6.91e-06	0.0
318	92	-1.55e-03	-1.33e-03	-0.20	-4.31e-04	6.38e-06	0.0
318	93	-1.71e-03	-1.29e-03	-0.19	-4.12e-04	7.94e-06	0.0
318	95	-1.63e-03	-1.33e-03	-0.20	-4.32e-04	7.08e-06	0.0
318	101	-1.55e-03	-1.28e-03	-0.19	-4.07e-04	6.66e-06	0.0
318	102	-1.63e-03	-1.26e-03	-0.19	-3.97e-04	7.41e-06	0.0
318	105	-1.61e-03	-1.26e-03	-0.19	-3.93e-04	7.28e-06	0.0

318	106	-1.57e-03	-1.27e-03	-0.19	-4.02e-04	6.91e-06	0.0
319	4	-1.61e-03	-1.65e-03	-0.27	-5.73e-04	0.0	0.0
319	9	-1.91e-03	-1.60e-03	-0.26	-5.46e-04	3.15e-06	0.0
319	11	-1.74e-03	-1.65e-03	-0.27	-5.75e-04	1.12e-06	0.0
319	38	-0.03	-9.84e-03	-0.18	-3.30e-04	-3.99e-05	0.0
319	48	-5.48e-03	-0.02	-0.12	-1.98e-05	1.61e-06	0.0
319	49	2.97e-03	0.02	-0.26	-7.19e-04	2.02e-06	0.0
319	70	-0.02	-9.99e-03	-0.18	-3.53e-04	-2.14e-05	0.0
319	80	-6.89e-03	-0.02	-0.15	-1.61e-04	1.11e-06	0.0
319	81	4.22e-03	0.02	-0.23	-6.42e-04	2.31e-06	0.0
319	87	-1.38e-03	-1.19e-03	-0.19	-3.94e-04	2.29e-06	0.0
319	88	-1.34e-03	-1.20e-03	-0.19	-4.02e-04	1.71e-06	0.0
319	92	-1.26e-03	-1.25e-03	-0.20	-4.31e-04	0.0	0.0
319	93	-1.46e-03	-1.22e-03	-0.19	-4.12e-04	2.54e-06	0.0
319	95	-1.35e-03	-1.25e-03	-0.20	-4.32e-04	1.18e-06	0.0
319	101	-1.30e-03	-1.21e-03	-0.19	-4.07e-04	1.32e-06	0.0
319	102	-1.40e-03	-1.20e-03	-0.19	-3.97e-04	2.34e-06	0.0
319	105	-1.38e-03	-1.19e-03	-0.19	-3.94e-04	2.29e-06	0.0
319	106	-1.34e-03	-1.20e-03	-0.19	-4.02e-04	1.71e-06	0.0
320	9	-1.59e-03	-1.51e-03	-0.26	-5.23e-04	7.66e-06	0.0
320	11	-1.38e-03	-1.55e-03	-0.27	-5.50e-04	5.57e-06	0.0
320	38	-0.03	-8.38e-03	-0.18	-3.10e-04	-3.72e-05	0.0
320	48	-4.00e-03	-0.02	-0.12	-4.28e-06	-2.40e-06	0.0
320	49	1.91e-03	0.01	-0.26	-6.99e-04	1.33e-05	0.0
320	70	-0.02	-8.89e-03	-0.18	-3.34e-04	-1.86e-05	0.0
320	80	-5.87e-03	-0.02	-0.15	-1.45e-04	0.0	0.0
320	81	3.64e-03	0.02	-0.23	-6.24e-04	1.11e-05	0.0
320	87	-1.17e-03	-1.12e-03	-0.19	-3.77e-04	5.82e-06	0.0
320	88	-1.11e-03	-1.14e-03	-0.19	-3.85e-04	5.22e-06	0.0
320	93	-1.23e-03	-1.15e-03	-0.19	-3.95e-04	6.02e-06	0.0
320	95	-1.08e-03	-1.17e-03	-0.20	-4.13e-04	4.63e-06	0.0
320	101	-1.07e-03	-1.14e-03	-0.19	-3.90e-04	4.83e-06	0.0
320	102	-1.19e-03	-1.13e-03	-0.19	-3.80e-04	5.86e-06	0.0
320	105	-1.17e-03	-1.12e-03	-0.19	-3.77e-04	5.82e-06	0.0
320	106	-1.11e-03	-1.14e-03	-0.19	-3.85e-04	5.22e-06	0.0
321	9	-1.23e-03	-1.43e-03	-0.26	-5.53e-04	-4.24e-06	0.0
321	11	-9.44e-04	-1.46e-03	-0.27	-5.81e-04	-7.52e-06	0.0
321	38	-0.03	-6.75e-03	-0.16	-2.66e-04	-4.58e-05	0.0
321	47	0.02	5.66e-03	-0.26	-6.81e-04	3.55e-05	0.0
321	48	-2.17e-03	-0.01	-0.12	-3.14e-05	-2.15e-05	0.0
321	70	-0.02	-7.65e-03	-0.17	-3.21e-04	-2.75e-05	0.0
321	79	0.01	0.01	-0.24	-6.22e-04	2.02e-05	0.0
321	80	-4.61e-03	-0.02	-0.15	-1.71e-04	-1.60e-05	0.0
321	87	-9.31e-04	-1.07e-03	-0.19	-3.99e-04	-2.35e-06	0.0
321	88	-8.50e-04	-1.08e-03	-0.19	-4.07e-04	-3.29e-06	0.0
321	93	-9.62e-04	-1.09e-03	-0.19	-4.18e-04	-2.84e-06	0.0
321	95	-7.72e-04	-1.11e-03	-0.20	-4.36e-04	-5.03e-06	0.0
321	101	-7.96e-04	-1.09e-03	-0.19	-4.12e-04	-3.92e-06	0.0
321	102	-9.37e-04	-1.08e-03	-0.19	-4.03e-04	-2.45e-06	0.0
321	105	-9.31e-04	-1.07e-03	-0.19	-3.99e-04	-2.35e-06	0.0
321	106	-8.50e-04	-1.08e-03	-0.19	-4.07e-04	-3.29e-06	0.0
322	9	-1.05e-03	-1.37e-03	-0.26	-5.52e-04	-2.35e-06	0.0
322	11	-7.11e-04	-1.39e-03	-0.27	-5.79e-04	-6.14e-06	0.0
322	38	-0.03	-5.56e-03	-0.16	-2.64e-04	-4.71e-05	0.0
322	47	0.01	4.04e-03	-0.26	-7.11e-04	4.93e-05	0.0
322	48	-7.65e-04	-9.26e-03	-0.12	-7.18e-05	-3.30e-05	0.0
322	70	-0.02	-6.72e-03	-0.17	-3.19e-04	-3.81e-05	0.0
322	79	0.01	0.01	-0.24	-6.37e-04	2.92e-05	0.0
322	80	-3.67e-03	-0.02	-0.15	-1.94e-04	-2.31e-05	0.0
322	87	-8.17e-04	-1.03e-03	-0.19	-3.98e-04	-1.06e-06	0.0
322	88	-7.19e-04	-1.03e-03	-0.19	-4.06e-04	-2.15e-06	0.0
322	93	-8.35e-04	-1.04e-03	-0.19	-4.17e-04	-1.38e-06	0.0
322	95	-6.07e-04	-1.06e-03	-0.20	-4.35e-04	-3.91e-06	0.0
322	101	-6.54e-04	-1.04e-03	-0.19	-4.11e-04	-2.87e-06	0.0
322	102	-8.20e-04	-1.03e-03	-0.19	-4.02e-04	-1.13e-06	0.0
322	105	-8.17e-04	-1.03e-03	-0.19	-3.98e-04	-1.06e-06	0.0
322	106	-7.19e-04	-1.03e-03	-0.19	-4.06e-04	-2.15e-06	0.0
323	9	-8.52e-04	-1.30e-03	-0.25	-5.15e-04	-1.21e-05	0.0
323	11	-4.42e-04	-1.32e-03	-0.26	-5.40e-04	-1.71e-05	0.0
323	38	-0.03	-4.47e-03	-0.15	-2.33e-04	-5.85e-05	0.0
323	47	0.01	2.69e-03	-0.27	-6.88e-04	5.57e-05	0.0
323	48	6.02e-04	-7.12e-03	-0.11	-4.41e-05	-5.29e-05	0.0
323	70	-0.02	-5.82e-03	-0.17	-2.90e-04	-3.79e-05	0.0
323	79	9.78e-03	0.01	-0.24	-6.10e-04	2.99e-05	0.0
323	80	-2.74e-03	-0.01	-0.14	-1.67e-04	-3.86e-05	0.0
323	87	-6.83e-04	-9.78e-04	-0.19	-3.72e-04	-8.13e-06	0.0
323	88	-5.66e-04	-9.83e-04	-0.19	-3.79e-04	-9.55e-06	0.0
323	93	-6.89e-04	-9.94e-04	-0.19	-3.89e-04	-8.71e-06	0.0
323	95	-4.17e-04	-1.01e-03	-0.20	-4.06e-04	-1.20e-05	0.0
323	101	-4.88e-04	-9.87e-04	-0.19	-3.83e-04	-1.05e-05	0.0

323	102	-6.85e-04	-9.81e-04	-0.19	-3.75e-04	-8.24e-06	0.0
323	105	-6.83e-04	-9.78e-04	-0.19	-3.72e-04	-8.13e-06	0.0
323	106	-5.66e-04	-9.83e-04	-0.19	-3.79e-04	-9.55e-06	0.0
324	1	-5.43e-04	-1.26e-03	-0.24	-3.87e-04	-2.08e-05	0.0
324	11	-3.59e-05	-1.32e-03	-0.26	-4.27e-04	-2.82e-05	0.0
324	31	0.03	-2.73e-03	-0.22	-3.89e-04	-2.79e-05	0.0
324	47	0.01	3.02e-03	-0.27	-6.04e-04	4.90e-05	0.0
324	50	-0.01	-5.46e-03	-0.10	5.81e-05	-7.87e-05	0.0
324	66	-0.02	-2.82e-03	-0.17	-2.34e-04	-4.28e-05	0.0
324	79	9.38e-03	0.01	-0.24	-5.24e-04	2.30e-05	0.0
324	82	-0.01	-0.01	-0.13	-7.60e-05	-5.71e-05	0.0
324	87	-4.62e-04	-9.66e-04	-0.18	-2.94e-04	-1.54e-05	0.0
324	88	-3.24e-04	-9.74e-04	-0.19	-3.00e-04	-1.70e-05	0.0
324	89	-4.62e-04	-9.66e-04	-0.18	-2.94e-04	-1.54e-05	0.0
324	95	-1.24e-04	-1.00e-03	-0.20	-3.21e-04	-2.03e-05	0.0
324	100	-4.62e-04	-9.66e-04	-0.18	-2.94e-04	-1.54e-05	0.0
324	101	-2.32e-04	-9.79e-04	-0.19	-3.03e-04	-1.82e-05	0.0
324	105	-4.62e-04	-9.66e-04	-0.18	-2.94e-04	-1.54e-05	0.0
324	106	-3.24e-04	-9.74e-04	-0.19	-3.00e-04	-1.70e-05	0.0
325	9	1.45e-03	-1.79e-03	-0.22	-3.30e-04	2.46e-04	0.0
325	11	1.28e-03	-1.89e-03	-0.22	-3.30e-04	2.45e-04	0.0
325	31	0.03	4.32e-03	-0.17	-2.67e-04	2.36e-04	0.0
325	42	-7.50e-03	-0.05	-0.18	-3.07e-04	2.78e-04	0.0
325	44	6.60e-03	-0.04	-0.19	-3.50e-04	3.54e-04	0.0
325	63	0.01	5.54e-04	-0.16	-2.48e-04	2.00e-04	0.0
325	74	-4.44e-03	-0.02	-0.17	-2.69e-04	2.22e-04	0.0
325	76	3.31e-03	-0.02	-0.18	-2.93e-04	2.64e-04	0.0
325	87	1.05e-03	-1.26e-03	-0.16	-2.24e-04	1.56e-04	0.0
325	88	1.00e-03	-1.28e-03	-0.16	-2.24e-04	1.56e-04	0.0
325	93	1.11e-03	-1.35e-03	-0.16	-2.48e-04	1.82e-04	0.0
325	95	1.00e-03	-1.41e-03	-0.16	-2.48e-04	1.82e-04	0.0
325	102	1.06e-03	-1.28e-03	-0.16	-2.29e-04	1.61e-04	0.0
325	104	1.01e-03	-1.30e-03	-0.16	-2.29e-04	1.61e-04	0.0
325	105	1.05e-03	-1.26e-03	-0.16	-2.24e-04	1.56e-04	0.0
325	106	1.00e-03	-1.28e-03	-0.16	-2.24e-04	1.56e-04	0.0
326	9	9.95e-04	5.42e-05	-0.16	1.92e-04	1.73e-05	0.0
326	11	7.99e-04	5.57e-05	-0.16	1.92e-04	1.72e-05	0.0
326	18	7.10e-04	5.59e-05	-0.16	1.80e-04	1.62e-05	0.0
326	36	0.03	-5.99e-03	-0.12	1.10e-04	1.24e-05	0.0
326	39	6.17e-03	0.02	-0.13	1.21e-04	1.30e-05	0.0
326	45	-8.27e-03	0.02	-0.13	1.25e-04	1.19e-05	0.0
326	68	0.01	-3.68e-03	-0.12	1.14e-04	1.18e-05	0.0
326	71	2.76e-03	0.01	-0.13	1.20e-04	1.19e-05	0.0
326	73	-5.12e-03	0.01	-0.13	1.22e-04	1.13e-05	0.0
326	87	7.38e-04	3.96e-05	-0.13	1.18e-04	1.10e-05	0.0
326	88	6.81e-04	4.00e-05	-0.13	1.18e-04	1.10e-05	0.0
326	93	7.73e-04	4.11e-05	-0.13	1.41e-04	1.28e-05	0.0
326	95	6.42e-04	4.22e-05	-0.13	1.41e-04	1.28e-05	0.0
326	99	5.83e-04	4.23e-05	-0.13	1.33e-04	1.21e-05	0.0
326	102	7.45e-04	3.99e-05	-0.13	1.23e-04	1.14e-05	0.0
326	104	6.89e-04	4.04e-05	-0.13	1.23e-04	1.14e-05	0.0
326	105	7.38e-04	3.96e-05	-0.13	1.18e-04	1.10e-05	0.0
326	106	6.81e-04	4.00e-05	-0.13	1.18e-04	1.10e-05	0.0
327	9	9.87e-04	4.08e-04	-0.16	1.36e-04	1.90e-05	0.0
327	11	7.87e-04	4.31e-04	-0.16	1.36e-04	1.93e-05	0.0
327	36	0.03	-6.56e-03	-0.12	8.22e-05	8.62e-06	0.0
327	39	6.09e-03	0.02	-0.12	9.32e-05	9.73e-06	0.0
327	41	-8.41e-03	0.02	-0.12	9.20e-05	1.22e-05	0.0
327	68	0.02	-4.28e-03	-0.12	8.21e-05	1.03e-05	0.0
327	71	2.66e-03	0.02	-0.12	8.85e-05	1.09e-05	0.0
327	73	-5.32e-03	0.01	-0.12	8.78e-05	1.23e-05	0.0
327	87	7.35e-04	2.92e-04	-0.12	8.22e-05	1.23e-05	0.0
327	88	6.78e-04	2.99e-04	-0.12	8.22e-05	1.24e-05	0.0
327	93	7.68e-04	3.08e-04	-0.12	1.00e-04	1.41e-05	0.0
327	95	6.34e-04	3.23e-04	-0.12	1.00e-04	1.43e-05	0.0
327	101	6.40e-04	3.03e-04	-0.12	8.22e-05	1.24e-05	0.0
327	102	7.42e-04	2.95e-04	-0.12	8.58e-05	1.26e-05	0.0
327	105	7.35e-04	2.92e-04	-0.12	8.22e-05	1.23e-05	0.0
327	106	6.78e-04	2.99e-04	-0.12	8.22e-05	1.24e-05	0.0
328	4	6.91e-04	-2.21e-05	-0.16	1.78e-04	8.29e-06	0.0
328	9	9.98e-04	-1.92e-05	-0.16	1.96e-04	9.16e-06	0.0
328	11	8.02e-04	-2.20e-05	-0.16	1.96e-04	9.08e-06	0.0
328	36	0.03	-5.93e-03	-0.12	1.11e-04	6.17e-06	0.0
328	42	-4.49e-03	-0.02	-0.12	1.09e-04	3.82e-06	0.0
328	45	-8.22e-03	0.02	-0.13	1.36e-04	7.01e-06	0.0
328	68	0.01	-3.59e-03	-0.12	1.15e-04	6.02e-06	0.0
328	74	-1.42e-03	-0.01	-0.12	1.14e-04	4.84e-06	0.0
328	77	-5.15e-03	0.01	-0.13	1.29e-04	6.27e-06	0.0
328	87	7.39e-04	-1.28e-05	-0.13	1.21e-04	5.76e-06	0.0
328	88	6.83e-04	-1.36e-05	-0.13	1.21e-04	5.73e-06	0.0

328	92	5.70e-04	-1.61e-05	-0.13	1.32e-04	6.19e-06	0.0
328	93	7.75e-04	-1.41e-05	-0.13	1.44e-04	6.77e-06	0.0
328	95	6.44e-04	-1.60e-05	-0.13	1.44e-04	6.72e-06	0.0
328	101	6.45e-04	-1.41e-05	-0.13	1.21e-04	5.72e-06	0.0
328	102	7.46e-04	-1.31e-05	-0.13	1.25e-04	5.96e-06	0.0
328	104	6.90e-04	-1.39e-05	-0.13	1.25e-04	5.94e-06	0.0
328	105	7.39e-04	-1.28e-05	-0.13	1.21e-04	5.76e-06	0.0
328	106	6.83e-04	-1.36e-05	-0.13	1.21e-04	5.73e-06	0.0
329	9	1.00e-03	-2.29e-04	-0.16	1.90e-04	9.11e-06	0.0
329	11	8.10e-04	-2.44e-04	-0.16	1.90e-04	9.07e-06	0.0
329	36	0.03	-5.88e-03	-0.13	1.14e-04	9.94e-06	0.0
329	41	-7.99e-03	0.02	-0.13	1.23e-04	6.61e-06	0.0
329	42	-4.52e-03	-0.03	-0.12	1.12e-04	1.14e-06	0.0
329	68	0.01	-3.41e-03	-0.13	1.15e-04	7.98e-06	0.0
329	73	-4.99e-03	0.01	-0.13	1.20e-04	6.01e-06	0.0
329	74	-1.46e-03	-0.01	-0.12	1.14e-04	3.21e-06	0.0
329	87	7.41e-04	-1.62e-04	-0.13	1.17e-04	5.51e-06	0.0
329	88	6.85e-04	-1.67e-04	-0.13	1.17e-04	5.50e-06	0.0
329	93	7.79e-04	-1.72e-04	-0.13	1.40e-04	6.69e-06	0.0
329	95	6.50e-04	-1.82e-04	-0.13	1.40e-04	6.67e-06	0.0
329	101	6.48e-04	-1.69e-04	-0.13	1.17e-04	5.50e-06	0.0
329	102	7.49e-04	-1.64e-04	-0.13	1.22e-04	5.75e-06	0.0
329	104	6.93e-04	-1.69e-04	-0.13	1.22e-04	5.74e-06	0.0
329	105	7.41e-04	-1.62e-04	-0.13	1.17e-04	5.51e-06	0.0
329	106	6.85e-04	-1.67e-04	-0.13	1.17e-04	5.50e-06	0.0
330	9	2.30e-03	2.70e-03	-0.22	-1.36e-05	-1.59e-04	-3.00e-06
330	11	2.14e-03	2.86e-03	-0.23	-1.44e-05	-1.73e-04	-3.17e-06
330	36	0.03	-0.02	-0.19	4.96e-05	-8.21e-05	5.05e-06
330	49	-7.33e-03	0.06	-0.16	-2.88e-04	-1.24e-04	-5.67e-05
330	68	0.02	-0.01	-0.18	2.93e-05	-9.61e-05	5.00e-06
330	81	-3.44e-03	0.04	-0.16	-1.85e-04	-1.21e-04	-4.28e-05
330	87	1.69e-03	1.93e-03	-0.16	-9.74e-06	-1.08e-04	-2.13e-06
330	88	1.64e-03	1.97e-03	-0.17	-9.96e-06	-1.12e-04	-2.18e-06
330	93	1.76e-03	2.04e-03	-0.17	-1.03e-05	-1.19e-04	-2.26e-06
330	95	1.66e-03	2.14e-03	-0.17	-1.08e-05	-1.28e-04	-2.37e-06
330	101	1.61e-03	2.00e-03	-0.17	-1.01e-05	-1.15e-04	-2.21e-06
330	102	1.70e-03	1.95e-03	-0.17	-9.85e-06	-1.10e-04	-2.16e-06
330	105	1.69e-03	1.93e-03	-0.16	-9.74e-06	-1.08e-04	-2.13e-06
330	106	1.64e-03	1.97e-03	-0.17	-9.96e-06	-1.12e-04	-2.18e-06
331	4	-1.01e-03	2.52e-03	-0.23	-2.78e-05	-1.16e-04	0.0
331	11	-9.05e-04	2.53e-03	-0.23	-2.70e-05	-1.09e-04	0.0
331	29	-0.03	0.03	-0.11	-1.46e-04	5.49e-05	0.0
331	48	0.03	-0.05	-0.28	2.80e-04	-2.65e-04	0.0
331	49	-0.03	0.06	-0.05	-3.23e-04	1.26e-04	0.0
331	61	-0.02	0.02	-0.13	-9.58e-05	1.80e-06	0.0
331	80	0.02	-0.04	-0.23	1.64e-04	-1.92e-04	0.0
331	81	-0.02	0.04	-0.10	-2.07e-04	4.99e-05	0.0
331	88	-4.67e-04	1.76e-03	-0.17	-2.16e-05	-7.11e-05	0.0
331	92	-6.94e-04	1.89e-03	-0.17	-2.15e-05	-8.43e-05	0.0
331	95	-6.26e-04	1.90e-03	-0.17	-2.09e-05	-7.97e-05	0.0
331	101	-5.26e-04	1.79e-03	-0.17	-2.17e-05	-7.46e-05	0.0
331	106	-4.67e-04	1.76e-03	-0.17	-2.16e-05	-7.11e-05	0.0
332	9	2.07e-03	1.94e-03	-0.24	-3.03e-04	3.08e-05	-3.07e-06
332	11	1.92e-03	2.05e-03	-0.24	-3.03e-04	2.53e-05	-3.26e-06
332	35	0.03	0.01	-0.18	-2.12e-04	1.40e-04	-2.26e-05
332	47	0.02	0.04	-0.19	-3.20e-04	-2.74e-05	-4.60e-05
332	49	7.19e-03	0.04	-0.19	-3.30e-04	-1.16e-04	-5.30e-05
332	67	0.02	8.83e-03	-0.18	-2.02e-04	8.33e-05	-1.67e-05
332	79	0.02	0.03	-0.18	-2.65e-04	-1.16e-05	-3.72e-05
332	81	7.79e-03	0.03	-0.18	-2.71e-04	-6.03e-05	-4.11e-05
332	87	1.52e-03	1.39e-03	-0.17	-1.83e-04	1.82e-05	-2.18e-06
332	88	1.48e-03	1.42e-03	-0.17	-1.83e-04	1.66e-05	-2.24e-06
332	93	1.58e-03	1.46e-03	-0.18	-2.22e-04	2.29e-05	-2.31e-06
332	95	1.49e-03	1.54e-03	-0.18	-2.23e-04	1.92e-05	-2.44e-06
332	101	1.45e-03	1.44e-03	-0.17	-1.83e-04	1.56e-05	-2.28e-06
332	102	1.53e-03	1.40e-03	-0.17	-1.91e-04	1.91e-05	-2.21e-06
332	104	1.49e-03	1.44e-03	-0.17	-1.91e-04	1.76e-05	-2.26e-06
332	105	1.52e-03	1.39e-03	-0.17	-1.83e-04	1.82e-05	-2.18e-06
332	106	1.48e-03	1.42e-03	-0.17	-1.83e-04	1.66e-05	-2.24e-06
333	11	8.75e-03	9.47e-04	-0.24	0.0	-1.23e-05	6.30e-05
333	35	0.04	6.65e-03	-0.21	0.0	-2.32e-05	2.28e-05
333	49	6.23e-03	0.03	-0.22	0.0	3.22e-05	2.87e-05
333	51	0.02	0.03	-0.23	0.0	1.80e-05	1.93e-05
333	67	0.02	6.86e-03	-0.19	0.0	-1.45e-05	3.03e-05
333	81	8.03e-03	0.03	-0.20	0.0	1.68e-05	2.75e-05
333	83	0.02	0.03	-0.21	0.0	9.28e-06	2.24e-05
333	88	5.99e-03	6.67e-04	-0.17	0.0	-7.80e-06	4.38e-05
333	95	6.53e-03	7.13e-04	-0.18	0.0	-8.90e-06	4.73e-05
333	101	6.09e-03	6.74e-04	-0.17	0.0	-8.41e-06	4.43e-05
333	106	5.99e-03	6.67e-04	-0.17	0.0	-7.80e-06	4.38e-05

334	4	-7.64e-03	0.03	-0.26	1.09e-04	-2.13e-04	-1.45e-05
334	11	-7.07e-03	0.03	-0.26	1.11e-04	-2.30e-04	-1.46e-05
334	33	-0.27	0.04	-0.19	2.09e-05	-5.15e-04	6.41e-05
334	49	-0.11	0.39	-0.14	-6.70e-04	-2.84e-04	-8.50e-05
334	54	-0.05	-0.35	-0.23	7.91e-04	-2.34e-04	5.85e-05
334	65	-0.15	0.04	-0.19	4.38e-05	-3.49e-04	2.64e-05
334	81	-0.07	0.26	-0.16	-3.47e-04	-2.25e-04	-6.64e-05
334	86	-0.02	-0.22	-0.21	5.00e-04	-1.90e-04	4.27e-05
334	88	-4.12e-03	0.02	-0.18	8.08e-05	-1.44e-04	-1.01e-05
334	92	-5.42e-03	0.02	-0.19	8.33e-05	-1.58e-04	-1.09e-05
334	95	-5.04e-03	0.02	-0.20	8.42e-05	-1.70e-04	-1.09e-05
334	101	-4.45e-03	0.02	-0.19	8.11e-05	-1.45e-04	-1.02e-05
334	106	-4.12e-03	0.02	-0.18	8.08e-05	-1.44e-04	-1.01e-05
335	1	-1.86e-03	0.01	0.0	0.0	0.0	0.0
335	11	-2.20e-03	0.01	0.0	0.0	0.0	0.0
335	18	-2.40e-03	0.01	0.0	0.0	0.0	0.0
335	23	0.03	-0.01	0.0	0.0	0.0	0.0
335	37	-0.04	0.04	0.0	0.0	0.0	0.0
335	49	-0.01	0.20	0.0	0.0	0.0	0.0
335	55	0.02	7.92e-03	0.0	0.0	0.0	0.0
335	69	-0.02	0.03	0.0	0.0	0.0	0.0
335	81	-8.66e-03	0.14	0.0	0.0	0.0	0.0
335	87	-1.40e-03	9.17e-03	0.0	0.0	0.0	0.0
335	88	-1.50e-03	9.40e-03	0.0	0.0	0.0	0.0
335	89	-1.40e-03	9.17e-03	0.0	0.0	0.0	0.0
335	95	-1.63e-03	0.01	0.0	0.0	0.0	0.0
335	99	-1.76e-03	0.01	0.0	0.0	0.0	0.0
335	100	-1.40e-03	9.17e-03	0.0	0.0	0.0	0.0
335	101	-1.56e-03	9.54e-03	0.0	0.0	0.0	0.0
335	105	-1.40e-03	9.17e-03	0.0	0.0	0.0	0.0
335	106	-1.50e-03	9.40e-03	0.0	0.0	0.0	0.0
336	9	1.66e-03	-4.68e-04	-0.20	-4.15e-04	5.48e-05	0.0
336	11	1.50e-03	-4.96e-04	-0.20	-4.15e-04	5.47e-05	0.0
336	35	0.03	-1.84e-03	-0.15	-2.45e-04	4.65e-05	0.0
336	42	-8.73e-03	-0.03	-0.15	-2.07e-04	4.49e-05	0.0
336	50	-0.01	-9.34e-03	-0.15	-2.33e-04	3.85e-05	0.0
336	67	0.02	-1.28e-03	-0.15	-2.50e-04	4.15e-05	0.0
336	74	-5.84e-03	-0.01	-0.15	-2.28e-04	4.03e-05	0.0
336	82	-6.59e-03	-4.89e-03	-0.15	-2.43e-04	3.67e-05	0.0
336	87	1.20e-03	-3.31e-04	-0.15	-2.55e-04	3.51e-05	0.0
336	88	1.16e-03	-3.39e-04	-0.15	-2.55e-04	3.51e-05	0.0
336	93	1.27e-03	-3.52e-04	-0.15	-3.05e-04	4.06e-05	0.0
336	95	1.17e-03	-3.70e-04	-0.15	-3.05e-04	4.06e-05	0.0
336	101	1.13e-03	-3.44e-04	-0.15	-2.55e-04	3.51e-05	0.0
336	102	1.22e-03	-3.35e-04	-0.15	-2.65e-04	3.62e-05	0.0
336	104	1.17e-03	-3.43e-04	-0.15	-2.65e-04	3.62e-05	0.0
336	105	1.20e-03	-3.31e-04	-0.15	-2.55e-04	3.51e-05	0.0
336	106	1.16e-03	-3.39e-04	-0.15	-2.55e-04	3.51e-05	0.0
337	9	1.82e-03	2.27e-03	-0.19	-8.55e-06	-2.73e-04	0.0
337	11	1.64e-03	2.40e-03	-0.19	-9.02e-06	-2.99e-04	0.0
337	36	0.03	-0.02	-0.16	2.87e-05	-2.82e-04	-1.05e-05
337	49	-7.56e-03	0.05	-0.14	-1.77e-04	-1.45e-04	5.04e-05
337	68	0.02	-0.01	-0.15	1.69e-05	-2.38e-04	-5.85e-06
337	81	-3.72e-03	0.04	-0.14	-1.13e-04	-1.64e-04	2.85e-05
337	87	1.34e-03	1.62e-03	-0.14	-6.11e-06	-1.77e-04	0.0
337	88	1.29e-03	1.66e-03	-0.14	-6.24e-06	-1.84e-04	0.0
337	93	1.40e-03	1.71e-03	-0.14	-6.44e-06	-2.01e-04	0.0
337	95	1.28e-03	1.80e-03	-0.15	-6.76e-06	-2.19e-04	0.0
337	101	1.26e-03	1.68e-03	-0.14	-6.33e-06	-1.89e-04	0.0
337	102	1.36e-03	1.64e-03	-0.14	-6.18e-06	-1.81e-04	0.0
337	105	1.34e-03	1.62e-03	-0.14	-6.11e-06	-1.77e-04	0.0
337	106	1.29e-03	1.66e-03	-0.14	-6.24e-06	-1.84e-04	0.0
338	9	1.66e-03	2.09e-03	-0.18	-5.47e-06	-2.03e-04	0.0
338	11	1.47e-03	2.21e-03	-0.18	-5.77e-06	-2.23e-04	0.0
338	36	0.03	-0.01	-0.14	1.96e-05	-2.20e-04	0.0
338	49	-7.65e-03	0.05	-0.13	-1.16e-04	-1.03e-04	0.0
338	68	0.02	-9.98e-03	-0.14	1.14e-05	-1.82e-04	0.0
338	81	-3.82e-03	0.04	-0.13	-7.40e-05	-1.19e-04	0.0
338	87	1.23e-03	1.49e-03	-0.13	-3.91e-06	-1.31e-04	0.0
338	88	1.17e-03	1.53e-03	-0.13	-3.99e-06	-1.36e-04	0.0
338	93	1.28e-03	1.58e-03	-0.13	-4.12e-06	-1.49e-04	0.0
338	95	1.15e-03	1.66e-03	-0.14	-4.32e-06	-1.63e-04	0.0
338	101	1.14e-03	1.55e-03	-0.13	-4.05e-06	-1.40e-04	0.0
338	102	1.24e-03	1.51e-03	-0.13	-3.95e-06	-1.34e-04	0.0
338	105	1.23e-03	1.49e-03	-0.13	-3.91e-06	-1.31e-04	0.0
338	106	1.17e-03	1.53e-03	-0.13	-3.99e-06	-1.36e-04	0.0
339	9	1.44e-03	1.76e-03	-0.16	-1.75e-06	-8.44e-05	0.0
339	11	1.25e-03	1.86e-03	-0.16	-1.84e-06	-9.26e-05	0.0
339	36	0.03	-0.01	-0.12	5.20e-06	-9.18e-05	0.0
339	49	-7.76e-03	0.04	-0.12	-3.29e-05	-4.15e-05	0.0

339	68	0.02	-8.60e-03	-0.12	3.02e-06	-7.56e-05	0.0
339	81	-3.95e-03	0.03	-0.12	-2.11e-05	-4.82e-05	0.0
339	87	1.07e-03	1.26e-03	-0.12	-1.25e-06	-5.37e-05	0.0
339	88	1.02e-03	1.29e-03	-0.12	-1.27e-06	-5.60e-05	0.0
339	93	1.12e-03	1.33e-03	-0.12	-1.32e-06	-6.20e-05	0.0
339	95	9.87e-04	1.39e-03	-0.12	-1.38e-06	-6.74e-05	0.0
339	101	9.81e-04	1.31e-03	-0.12	-1.29e-06	-5.76e-05	0.0
339	102	1.08e-03	1.27e-03	-0.12	-1.26e-06	-5.53e-05	0.0
339	105	1.07e-03	1.26e-03	-0.12	-1.25e-06	-5.37e-05	0.0
339	106	1.02e-03	1.29e-03	-0.12	-1.27e-06	-5.60e-05	0.0
340	9	2.04e-03	1.17e-03	-0.24	-3.78e-04	1.81e-04	0.0
340	11	1.89e-03	1.24e-03	-0.24	-3.79e-04	1.80e-04	0.0
340	35	0.03	7.50e-03	-0.17	-2.31e-04	8.67e-05	0.0
340	41	3.58e-04	0.02	-0.17	-2.86e-04	1.00e-04	0.0
340	53	5.47e-03	0.03	-0.17	-2.79e-04	8.99e-05	0.0
340	67	0.02	6.19e-03	-0.17	-2.30e-04	9.90e-05	0.0
340	73	3.72e-03	0.02	-0.17	-2.61e-04	1.05e-04	0.0
340	85	6.53e-03	0.02	-0.17	-2.58e-04	9.95e-05	0.0
340	87	1.49e-03	8.40e-04	-0.17	-2.27e-04	1.15e-04	0.0
340	88	1.45e-03	8.59e-04	-0.17	-2.27e-04	1.15e-04	0.0
340	93	1.56e-03	8.84e-04	-0.18	-2.77e-04	1.34e-04	0.0
340	95	1.46e-03	9.27e-04	-0.18	-2.78e-04	1.33e-04	0.0
340	101	1.42e-03	8.71e-04	-0.17	-2.28e-04	1.15e-04	0.0
340	102	1.51e-03	8.49e-04	-0.17	-2.37e-04	1.19e-04	0.0
340	105	1.49e-03	8.40e-04	-0.17	-2.27e-04	1.15e-04	0.0
340	106	1.45e-03	8.59e-04	-0.17	-2.27e-04	1.15e-04	0.0
341	4	-7.64e-03	0.02	-0.26	8.16e-05	3.22e-05	-1.48e-05
341	11	-7.06e-03	0.02	-0.26	7.77e-05	3.65e-05	-1.48e-05
341	33	-0.27	0.04	-0.18	1.06e-06	1.03e-04	6.51e-05
341	49	-0.11	0.38	-0.14	-6.13e-04	2.80e-05	-8.95e-05
341	50	-0.05	-0.31	-0.23	7.81e-04	7.14e-05	3.90e-05
341	65	-0.15	0.04	-0.18	2.59e-05	6.69e-05	2.69e-05
341	81	-0.07	0.25	-0.16	-3.22e-04	2.54e-05	-6.90e-05
341	82	-0.02	-0.20	-0.21	4.86e-04	5.03e-05	3.19e-05
341	88	-4.11e-03	0.02	-0.18	6.40e-05	2.35e-05	-1.02e-05
341	92	-5.41e-03	0.02	-0.19	6.32e-05	2.44e-05	-1.11e-05
341	95	-5.03e-03	0.02	-0.19	6.06e-05	2.72e-05	-1.11e-05
341	101	-4.45e-03	0.02	-0.18	6.43e-05	2.31e-05	-1.04e-05
341	106	-4.11e-03	0.02	-0.18	6.40e-05	2.35e-05	-1.02e-05
342	4	-7.62e-03	0.02	-0.26	8.97e-05	-4.84e-05	-1.48e-05
342	11	-7.04e-03	0.02	-0.26	8.61e-05	-5.10e-05	-1.48e-05
342	33	-0.27	0.04	-0.19	-1.22e-04	1.68e-05	6.67e-05
342	49	-0.11	0.38	-0.14	-6.73e-04	-3.87e-05	-9.45e-05
342	54	-0.05	-0.33	-0.23	7.36e-04	8.55e-06	6.73e-05
342	65	-0.15	0.04	-0.18	-3.87e-05	-5.52e-06	2.78e-05
342	81	-0.07	0.25	-0.16	-3.51e-04	-3.63e-05	-7.17e-05
342	86	-0.02	-0.21	-0.21	4.63e-04	-9.11e-06	4.75e-05
342	88	-4.09e-03	0.02	-0.18	6.98e-05	-3.18e-05	-1.02e-05
342	92	-5.40e-03	0.02	-0.19	6.93e-05	-3.58e-05	-1.11e-05
342	95	-5.01e-03	0.02	-0.19	6.68e-05	-3.75e-05	-1.11e-05
342	101	-4.43e-03	0.02	-0.18	7.02e-05	-3.23e-05	-1.04e-05
342	106	-4.09e-03	0.02	-0.18	6.98e-05	-3.18e-05	-1.02e-05
343	9	2.05e-03	2.74e-03	-0.23	-3.99e-05	-1.12e-04	4.03e-06
343	11	1.89e-03	2.91e-03	-0.24	-4.24e-05	-1.25e-04	4.16e-06
343	35	0.03	0.02	-0.21	-1.43e-04	-1.06e-04	-2.85e-05
343	49	2.49e-03	0.06	-0.22	-3.25e-04	-8.63e-05	-3.62e-05
343	51	0.02	0.06	-0.23	-3.43e-04	-9.94e-05	-4.76e-05
343	67	0.02	0.02	-0.19	-9.82e-05	-9.48e-05	-1.77e-05
343	81	4.01e-03	0.04	-0.20	-2.14e-04	-8.60e-05	-3.03e-05
343	83	0.01	0.04	-0.21	-2.24e-04	-9.30e-05	-3.66e-05
343	87	1.51e-03	1.95e-03	-0.17	-2.76e-05	-7.65e-05	2.90e-06
343	88	1.46e-03	2.00e-03	-0.17	-2.84e-05	-8.01e-05	2.94e-06
343	93	1.58e-03	2.06e-03	-0.17	-2.99e-05	-8.33e-05	3.05e-06
343	95	1.47e-03	2.18e-03	-0.18	-3.16e-05	-9.18e-05	3.13e-06
343	101	1.43e-03	2.04e-03	-0.17	-2.88e-05	-8.55e-05	2.96e-06
343	102	1.52e-03	1.98e-03	-0.17	-2.81e-05	-7.78e-05	2.93e-06
343	105	1.51e-03	1.95e-03	-0.17	-2.76e-05	-7.65e-05	2.90e-06
343	106	1.46e-03	2.00e-03	-0.17	-2.84e-05	-8.01e-05	2.94e-06
344	9	1.97e-03	6.55e-04	-0.21	-2.63e-04	-2.27e-04	0.0
344	11	1.82e-03	6.90e-04	-0.21	-2.63e-04	-2.26e-04	0.0
344	35	0.03	4.76e-03	-0.16	-1.94e-04	-2.35e-04	0.0
344	45	-5.20e-04	0.02	-0.15	-1.62e-04	-1.05e-04	0.0
344	67	0.02	3.94e-03	-0.16	-1.76e-04	-1.95e-04	0.0
344	77	2.95e-03	0.02	-0.15	-1.59e-04	-1.24e-04	0.0
344	87	1.44e-03	4.70e-04	-0.15	-1.52e-04	-1.47e-04	0.0
344	88	1.40e-03	4.80e-04	-0.15	-1.52e-04	-1.46e-04	0.0
344	93	1.51e-03	4.94e-04	-0.16	-1.92e-04	-1.69e-04	0.0
344	95	1.41e-03	5.17e-04	-0.16	-1.92e-04	-1.68e-04	0.0
344	101	1.37e-03	4.87e-04	-0.15	-1.52e-04	-1.46e-04	0.0
344	102	1.45e-03	4.75e-04	-0.15	-1.60e-04	-1.51e-04	0.0

344	105	1.44e-03	4.70e-04	-0.15	-1.52e-04	-1.47e-04	0.0
344	106	1.40e-03	4.80e-04	-0.15	-1.52e-04	-1.46e-04	0.0
345	9	2.37e-03	2.68e-03	-0.23	-3.30e-05	-1.45e-04	2.41e-06
345	11	2.21e-03	2.84e-03	-0.23	-3.49e-05	-1.59e-04	2.47e-06
345	35	0.03	0.01	-0.20	-1.19e-04	-8.87e-05	-5.75e-06
345	49	-1.63e-03	0.06	-0.19	-2.82e-04	-1.29e-04	-5.31e-05
345	51	0.01	0.05	-0.20	-2.76e-04	-1.17e-04	-4.65e-05
345	67	0.02	0.01	-0.18	-8.27e-05	-9.59e-05	-5.67e-06
345	81	8.39e-04	0.04	-0.18	-1.87e-04	-1.19e-04	-3.93e-05
345	83	9.40e-03	0.04	-0.19	-1.84e-04	-1.13e-04	-3.57e-05
345	87	1.73e-03	1.91e-03	-0.17	-2.30e-05	-9.87e-05	1.71e-06
345	88	1.69e-03	1.96e-03	-0.17	-2.36e-05	-1.03e-04	1.73e-06
345	93	1.81e-03	2.02e-03	-0.17	-2.48e-05	-1.08e-04	1.82e-06
345	95	1.71e-03	2.13e-03	-0.18	-2.60e-05	-1.17e-04	1.86e-06
345	101	1.66e-03	1.99e-03	-0.17	-2.39e-05	-1.05e-04	1.74e-06
345	102	1.75e-03	1.93e-03	-0.17	-2.34e-05	-1.01e-04	1.74e-06
345	105	1.73e-03	1.91e-03	-0.17	-2.30e-05	-9.87e-05	1.71e-06
345	106	1.69e-03	1.96e-03	-0.17	-2.36e-05	-1.03e-04	1.73e-06
346	4	-7.59e-03	0.02	-0.26	1.24e-04	1.72e-04	-1.48e-05
346	11	-7.02e-03	0.02	-0.26	1.24e-04	1.89e-04	-1.49e-05
346	33	-0.27	0.04	-0.18	-1.40e-06	-2.46e-04	-1.31e-05
346	49	-0.11	0.37	-0.13	-6.46e-04	-3.46e-05	-9.85e-05
346	50	-0.05	-0.30	-0.23	7.47e-04	4.83e-05	4.62e-05
346	65	-0.15	0.04	-0.18	3.78e-05	-8.24e-05	-1.61e-05
346	81	-0.07	0.24	-0.15	-3.24e-04	3.17e-05	-7.39e-05
346	82	-0.02	-0.19	-0.21	4.78e-04	8.36e-05	3.59e-05
346	88	-4.08e-03	0.02	-0.18	9.15e-05	1.20e-04	-1.03e-05
346	92	-5.38e-03	0.02	-0.19	9.41e-05	1.29e-04	-1.11e-05
346	95	-5.00e-03	0.02	-0.19	9.46e-05	1.40e-04	-1.12e-05
346	101	-4.41e-03	0.02	-0.18	9.20e-05	1.20e-04	-1.04e-05
346	106	-4.08e-03	0.02	-0.18	9.15e-05	1.20e-04	-1.03e-05
347	9	1.95e-03	4.15e-04	-0.20	-2.29e-04	1.13e-04	0.0
347	11	1.80e-03	4.37e-04	-0.20	-2.29e-04	1.14e-04	0.0
347	33	-0.02	8.67e-03	-0.15	-1.65e-04	2.08e-04	0.0
347	35	0.03	3.30e-03	-0.14	-1.08e-04	-4.90e-05	0.0
347	39	0.01	0.02	-0.15	-1.51e-04	7.38e-05	0.0
347	65	-0.01	5.80e-03	-0.15	-1.50e-04	1.48e-04	0.0
347	67	0.02	2.79e-03	-0.15	-1.18e-04	6.06e-06	0.0
347	71	0.01	0.02	-0.15	-1.42e-04	7.37e-05	0.0
347	87	1.42e-03	2.99e-04	-0.15	-1.30e-04	7.31e-05	0.0
347	88	1.38e-03	3.05e-04	-0.15	-1.30e-04	7.32e-05	0.0
347	93	1.49e-03	3.14e-04	-0.15	-1.66e-04	8.41e-05	0.0
347	95	1.39e-03	3.28e-04	-0.15	-1.66e-04	8.44e-05	0.0
347	101	1.35e-03	3.09e-04	-0.15	-1.30e-04	7.33e-05	0.0
347	102	1.43e-03	3.02e-04	-0.15	-1.37e-04	7.53e-05	0.0
347	105	1.42e-03	2.99e-04	-0.15	-1.30e-04	7.31e-05	0.0
347	106	1.38e-03	3.05e-04	-0.15	-1.30e-04	7.32e-05	0.0
348	3	1.61e-03	2.09e-05	-0.23	-3.15e-04	4.60e-05	-2.23e-06
348	9	1.93e-03	1.53e-05	-0.25	-3.93e-04	5.69e-05	-2.20e-06
348	11	1.78e-03	1.60e-05	-0.25	-3.93e-04	5.57e-05	-2.32e-06
348	35	0.03	9.79e-04	-0.17	-2.41e-04	2.05e-04	-1.49e-05
348	41	-1.07e-03	0.02	-0.18	-3.40e-04	-4.98e-05	-1.84e-05
348	42	-0.01	-0.02	-0.17	-1.43e-04	2.47e-05	9.89e-06
348	67	0.02	9.75e-04	-0.18	-2.40e-04	1.29e-04	-1.12e-05
348	71	0.01	0.01	-0.18	-2.90e-04	4.41e-05	-1.54e-05
348	73	2.33e-03	0.01	-0.18	-2.95e-04	-9.28e-06	-1.84e-05
348	87	1.40e-03	1.57e-05	-0.18	-2.36e-04	3.62e-05	-1.56e-06
348	88	1.36e-03	1.59e-05	-0.18	-2.36e-04	3.58e-05	-1.60e-06
348	91	1.26e-03	1.63e-05	-0.18	-2.36e-04	3.50e-05	-1.67e-06
348	93	1.48e-03	1.26e-05	-0.19	-2.88e-04	4.22e-05	-1.66e-06
348	95	1.38e-03	1.30e-05	-0.19	-2.88e-04	4.14e-05	-1.74e-06
348	101	1.33e-03	1.60e-05	-0.18	-2.36e-04	3.56e-05	-1.62e-06
348	102	1.42e-03	1.51e-05	-0.18	-2.47e-04	3.74e-05	-1.58e-06
348	104	1.37e-03	1.53e-05	-0.18	-2.47e-04	3.70e-05	-1.61e-06
348	105	1.40e-03	1.57e-05	-0.18	-2.36e-04	3.62e-05	-1.56e-06
348	106	1.36e-03	1.59e-05	-0.18	-2.36e-04	3.58e-05	-1.60e-06
349	9	1.91e-03	-6.38e-05	-0.24	-4.20e-04	-1.08e-04	0.0
349	18	1.66e-03	-6.78e-05	-0.24	-3.89e-04	-1.02e-04	0.0
349	35	0.03	4.90e-04	-0.18	-2.78e-04	-2.56e-05	0.0
349	39	0.01	0.02	-0.18	-3.23e-04	-5.24e-05	0.0
349	42	-0.01	-0.02	-0.17	-1.83e-04	-8.72e-05	0.0
349	67	0.02	5.95e-04	-0.18	-2.67e-04	-4.55e-05	0.0
349	71	0.01	0.01	-0.18	-2.93e-04	-6.00e-05	0.0
349	74	-7.48e-03	-0.01	-0.17	-2.14e-04	-7.96e-05	0.0
349	87	1.39e-03	-4.06e-05	-0.17	-2.53e-04	-6.97e-05	0.0
349	88	1.35e-03	-4.17e-05	-0.17	-2.53e-04	-6.98e-05	0.0
349	93	1.46e-03	-4.70e-05	-0.18	-3.08e-04	-8.00e-05	0.0
349	99	1.30e-03	-4.96e-05	-0.18	-2.88e-04	-7.65e-05	0.0
349	102	1.40e-03	-4.19e-05	-0.18	-2.64e-04	-7.18e-05	0.0
349	104	1.36e-03	-4.29e-05	-0.18	-2.64e-04	-7.19e-05	0.0

349	105	1.39e-03	-4.06e-05	-0.17	-2.53e-04	-6.97e-05	0.0
349	106	1.35e-03	-4.17e-05	-0.17	-2.53e-04	-6.98e-05	0.0
350	9	1.44e-03	-5.96e-04	-0.17	-2.04e-04	-2.48e-05	0.0
350	11	1.27e-03	-6.32e-04	-0.17	-2.04e-04	-2.48e-05	0.0
350	35	0.03	-2.31e-03	-0.13	-1.29e-04	-1.96e-05	0.0
350	42	-7.52e-03	-0.03	-0.13	-1.31e-04	-6.56e-06	0.0
350	67	0.01	-1.73e-03	-0.13	-1.28e-04	-1.81e-05	0.0
350	74	-4.49e-03	-0.02	-0.13	-1.28e-04	-1.11e-05	0.0
350	87	1.05e-03	-4.23e-04	-0.13	-1.26e-04	-1.63e-05	0.0
350	88	1.00e-03	-4.34e-04	-0.13	-1.26e-04	-1.63e-05	0.0
350	93	1.11e-03	-4.49e-04	-0.13	-1.50e-04	-1.85e-05	0.0
350	95	9.97e-04	-4.73e-04	-0.13	-1.50e-04	-1.85e-05	0.0
350	101	9.70e-04	-4.41e-04	-0.13	-1.26e-04	-1.63e-05	0.0
350	102	1.06e-03	-4.29e-04	-0.13	-1.31e-04	-1.67e-05	0.0
350	104	1.01e-03	-4.39e-04	-0.13	-1.31e-04	-1.67e-05	0.0
350	105	1.05e-03	-4.23e-04	-0.13	-1.26e-04	-1.63e-05	0.0
350	106	1.00e-03	-4.34e-04	-0.13	-1.26e-04	-1.63e-05	0.0
351	11	-3.81e-03	-3.80e-04	-0.25	-2.63e-05	-3.76e-06	4.80e-06
351	17	-3.64e-03	-4.00e-04	-0.24	-2.48e-05	-5.20e-06	6.02e-06
351	29	-0.04	0.05	-0.19	-2.22e-04	-5.68e-05	-3.08e-05
351	49	-0.03	0.09	-0.14	-4.45e-04	-1.37e-05	-3.00e-05
351	54	4.32e-03	-0.09	-0.23	3.92e-04	-2.56e-05	4.23e-05
351	61	-0.02	0.04	-0.18	-1.43e-04	-3.18e-05	-1.73e-05
351	80	0.01	-0.07	-0.20	2.61e-04	2.15e-06	3.52e-05
351	86	4.22e-03	-0.07	-0.21	2.55e-04	-1.66e-05	2.68e-05
351	88	-2.66e-03	-3.01e-04	-0.18	-1.79e-05	-2.31e-06	5.22e-06
351	95	-2.86e-03	-2.94e-04	-0.19	-1.97e-05	-2.67e-06	4.08e-06
351	98	-2.75e-03	-3.07e-04	-0.18	-1.87e-05	-3.64e-06	4.89e-06
351	101	-2.69e-03	-3.02e-04	-0.18	-1.81e-05	-2.58e-06	5.06e-06
351	106	-2.66e-03	-3.01e-04	-0.18	-1.79e-05	-2.31e-06	5.22e-06
352	11	-3.39e-03	-5.72e-03	-0.25	-3.94e-05	0.0	-8.39e-05
352	29	-0.04	0.05	-0.19	-2.70e-04	0.0	-1.00e-04
352	48	0.02	-0.09	-0.21	4.50e-04	0.0	4.18e-05
352	54	4.51e-03	-0.08	-0.22	4.36e-04	0.0	3.06e-05
352	61	-0.02	0.03	-0.18	-1.75e-04	0.0	-8.43e-05
352	80	0.01	-0.07	-0.20	2.96e-04	0.0	-4.67e-06
352	86	4.46e-03	-0.07	-0.21	2.88e-04	0.0	-1.07e-05
352	88	-2.37e-03	-3.77e-03	-0.17	-2.87e-05	0.0	-5.70e-05
352	95	-2.55e-03	-4.23e-03	-0.19	-2.99e-05	0.0	-6.25e-05
352	101	-2.40e-03	-3.86e-03	-0.18	-2.89e-05	0.0	-5.81e-05
352	106	-2.37e-03	-3.77e-03	-0.17	-2.87e-05	0.0	-5.70e-05
353	11	-3.02e-03	-0.01	-0.25	-3.19e-05	0.0	-6.47e-05
353	29	-0.04	0.04	-0.18	-2.72e-04	0.0	-9.15e-05
353	48	0.02	-0.08	-0.21	4.54e-04	0.0	4.70e-05
353	54	4.38e-03	-0.08	-0.22	4.39e-04	0.0	3.56e-05
353	61	-0.02	0.02	-0.18	-1.74e-04	0.0	-7.34e-05
353	80	0.01	-0.07	-0.20	3.08e-04	0.0	1.07e-05
353	86	4.51e-03	-0.07	-0.20	3.01e-04	0.0	4.54e-06
353	88	-2.11e-03	-9.51e-03	-0.17	-2.44e-05	0.0	-4.47e-05
353	95	-2.27e-03	-0.01	-0.19	-2.45e-05	0.0	-4.85e-05
353	101	-2.13e-03	-9.70e-03	-0.18	-2.44e-05	0.0	-4.54e-05
353	106	-2.11e-03	-9.51e-03	-0.17	-2.44e-05	0.0	-4.47e-05
354	11	-2.76e-03	-0.02	-0.25	-1.35e-05	0.0	-2.62e-05
354	29	-0.03	0.03	-0.18	-2.51e-04	0.0	-5.14e-05
354	48	0.02	-0.08	-0.21	4.48e-04	0.0	3.71e-05
354	54	4.22e-03	-0.07	-0.22	4.34e-04	0.0	3.46e-05
354	61	-0.02	0.01	-0.18	-1.57e-04	0.0	-3.90e-05
354	80	0.01	-0.07	-0.20	3.14e-04	0.0	2.05e-05
354	86	4.50e-03	-0.07	-0.20	3.06e-04	0.0	1.93e-05
354	88	-1.93e-03	-0.01	-0.17	-1.18e-05	0.0	-1.83e-05
354	95	-2.08e-03	-0.01	-0.19	-1.08e-05	0.0	-1.97e-05
354	101	-1.94e-03	-0.01	-0.18	-1.16e-05	0.0	-1.85e-05
354	104	-1.95e-03	-0.01	-0.18	-1.17e-05	0.0	-1.84e-05
354	106	-1.93e-03	-0.01	-0.17	-1.18e-05	0.0	-1.83e-05
355	11	-2.60e-03	-0.02	-0.25	5.26e-06	-6.62e-06	-1.38e-05
355	29	-0.03	0.02	-0.18	-2.29e-04	-4.93e-05	-6.06e-06
355	48	0.02	-0.07	-0.21	4.46e-04	2.51e-05	3.07e-05
355	54	4.03e-03	-0.07	-0.22	4.33e-04	0.0	3.92e-05
355	61	-0.02	0.01	-0.18	-1.39e-04	-2.90e-05	-1.02e-05
355	80	0.01	-0.07	-0.20	3.19e-04	1.24e-05	2.16e-05
355	86	4.44e-03	-0.07	-0.20	3.12e-04	0.0	2.63e-05
355	88	-1.82e-03	-0.01	-0.17	1.45e-06	-3.80e-06	-9.74e-06
355	95	-1.95e-03	-0.02	-0.19	3.35e-06	-4.67e-06	-1.04e-05
355	101	-1.83e-03	-0.01	-0.18	1.84e-06	-4.22e-06	-9.84e-06
355	104	-1.84e-03	-0.01	-0.18	1.68e-06	-3.81e-06	-9.84e-06
355	106	-1.82e-03	-0.01	-0.17	1.45e-06	-3.80e-06	-9.74e-06
356	11	-2.44e-03	-0.02	-0.25	6.70e-06	0.0	-7.60e-06
356	29	-0.03	0.02	-0.17	-2.25e-04	0.0	-1.13e-06
356	48	0.02	-0.07	-0.21	4.41e-04	0.0	3.44e-05
356	50	3.58e-03	-0.06	-0.22	3.88e-04	0.0	4.47e-05

356	61	-0.02	8.63e-03	-0.17	-1.37e-04	0.0	-5.47e-06
356	80	0.01	-0.07	-0.20	3.17e-04	0.0	2.46e-05
356	82	4.24e-03	-0.06	-0.20	2.88e-04	0.0	3.04e-05
356	88	-1.71e-03	-0.02	-0.17	2.21e-06	0.0	-5.28e-06
356	95	-1.84e-03	-0.02	-0.18	4.37e-06	0.0	-5.71e-06
356	101	-1.73e-03	-0.02	-0.18	2.64e-06	0.0	-5.33e-06
356	104	-1.73e-03	-0.02	-0.18	2.47e-06	0.0	-5.35e-06
356	106	-1.71e-03	-0.02	-0.17	2.21e-06	0.0	-5.28e-06
357	11	-2.23e-03	-0.02	-0.24	1.20e-05	0.0	4.52e-06
357	29	-0.03	0.02	-0.17	-2.15e-04	0.0	8.24e-06
357	48	0.02	-0.06	-0.21	4.32e-04	0.0	3.22e-05
357	50	3.37e-03	-0.05	-0.22	3.81e-04	0.0	4.19e-05
357	61	-0.02	6.73e-03	-0.17	-1.29e-04	0.0	3.54e-06
357	80	0.01	-0.06	-0.20	3.14e-04	0.0	2.83e-05
357	82	4.18e-03	-0.06	-0.20	2.86e-04	0.0	3.38e-05
357	88	-1.57e-03	-0.02	-0.17	5.90e-06	0.0	2.95e-06
357	95	-1.68e-03	-0.02	-0.18	8.34e-06	0.0	3.32e-06
357	101	-1.59e-03	-0.02	-0.18	6.38e-06	0.0	3.05e-06
357	104	-1.59e-03	-0.02	-0.18	6.20e-06	0.0	2.98e-06
357	106	-1.57e-03	-0.02	-0.17	5.90e-06	0.0	2.95e-06
358	11	-2.08e-03	-0.02	-0.24	2.03e-05	-1.11e-05	-3.72e-06
358	29	-0.03	0.01	-0.17	-1.99e-04	-5.56e-05	2.38e-06
358	48	0.02	-0.06	-0.22	4.22e-04	4.34e-05	2.52e-05
358	50	3.12e-03	-0.05	-0.22	3.74e-04	2.04e-05	3.47e-05
358	61	-0.02	5.16e-03	-0.17	-1.17e-04	-3.43e-05	-2.46e-06
358	80	0.01	-0.06	-0.20	3.09e-04	2.39e-05	2.23e-05
358	82	4.08e-03	-0.06	-0.20	2.82e-04	1.13e-05	2.77e-05
358	88	-1.48e-03	-0.02	-0.17	1.19e-05	-6.23e-06	-2.93e-06
358	95	-1.57e-03	-0.02	-0.18	1.46e-05	-7.84e-06	-2.89e-06
358	101	-1.49e-03	-0.02	-0.18	1.24e-05	-6.83e-06	-2.89e-06
358	104	-1.49e-03	-0.02	-0.17	1.22e-05	-6.31e-06	-2.94e-06
358	106	-1.48e-03	-0.02	-0.17	1.19e-05	-6.23e-06	-2.93e-06
359	11	0.01	1.43e-03	-0.23	0.0	-3.27e-05	-2.21e-06
359	31	0.04	4.35e-03	-0.18	0.0	-4.27e-05	-1.57e-05
359	36	0.04	-9.53e-03	-0.19	0.0	-4.04e-05	4.35e-06
359	49	3.96e-03	0.03	-0.16	0.0	-2.14e-05	-5.09e-05
359	63	0.02	5.69e-03	-0.18	0.0	-3.29e-05	-1.25e-05
359	68	0.02	-7.60e-03	-0.18	0.0	-3.14e-05	4.87e-06
359	81	6.80e-03	0.03	-0.16	0.0	-2.31e-05	-3.92e-05
359	88	0.01	9.85e-04	-0.17	0.0	-2.30e-05	-1.53e-06
359	95	0.01	1.07e-03	-0.17	0.0	-2.44e-05	-1.65e-06
359	101	0.01	1.00e-03	-0.17	0.0	-2.37e-05	-1.55e-06
359	106	0.01	9.85e-04	-0.17	0.0	-2.30e-05	-1.53e-06
360	11	-1.78e-03	-0.02	-0.24	1.43e-05	0.0	9.21e-06
360	29	-0.03	8.06e-03	-0.14	-1.86e-04	0.0	1.21e-05
360	48	0.02	-0.05	-0.23	3.83e-04	0.0	2.68e-05
360	61	-0.02	1.76e-03	-0.16	-1.11e-04	0.0	7.00e-06
360	80	0.01	-0.05	-0.21	2.83e-04	0.0	2.74e-05
360	88	-1.28e-03	-0.02	-0.17	7.30e-06	0.0	6.15e-06
360	95	-1.35e-03	-0.02	-0.18	1.00e-05	0.0	6.83e-06
360	101	-1.28e-03	-0.02	-0.17	7.78e-06	0.0	6.32e-06
360	104	-1.29e-03	-0.02	-0.17	7.65e-06	0.0	6.22e-06
360	106	-1.28e-03	-0.02	-0.17	7.30e-06	0.0	6.15e-06
361	9	-1.58e-03	-0.02	-0.23	5.18e-06	0.0	3.14e-05
361	11	-1.57e-03	-0.02	-0.24	7.17e-06	0.0	3.34e-05
361	29	-0.03	7.25e-03	-0.14	-1.77e-04	0.0	1.36e-06
361	48	0.02	-0.05	-0.24	3.55e-04	0.0	4.73e-05
361	61	-0.02	1.74e-03	-0.15	-1.07e-04	0.0	8.72e-06
361	80	0.01	-0.05	-0.21	2.61e-04	0.0	4.86e-05
361	87	-1.14e-03	-0.01	-0.17	1.93e-06	0.0	2.25e-05
361	88	-1.14e-03	-0.01	-0.17	2.50e-06	0.0	2.31e-05
361	93	-1.20e-03	-0.01	-0.17	3.41e-06	0.0	2.37e-05
361	95	-1.19e-03	-0.01	-0.18	4.74e-06	0.0	2.50e-05
361	101	-1.14e-03	-0.01	-0.17	2.88e-06	0.0	2.35e-05
361	102	-1.15e-03	-0.01	-0.17	2.23e-06	0.0	2.27e-05
361	105	-1.14e-03	-0.01	-0.17	1.93e-06	0.0	2.25e-05
361	106	-1.14e-03	-0.01	-0.17	2.50e-06	0.0	2.31e-05
362	9	-1.30e-03	-0.01	-0.23	0.0	-1.08e-05	4.59e-05
362	11	-1.27e-03	-0.02	-0.24	1.35e-06	-1.57e-05	4.85e-05
362	29	-0.03	8.02e-03	-0.13	-1.65e-04	-6.47e-05	1.01e-05
362	48	0.02	-0.04	-0.24	3.27e-04	6.96e-05	5.60e-05
362	61	-0.02	3.32e-03	-0.15	-1.01e-04	-4.13e-05	1.80e-05
362	80	0.01	-0.04	-0.22	2.36e-04	4.06e-05	6.12e-05
362	87	-9.47e-04	-0.01	-0.17	-1.58e-06	-6.95e-06	3.28e-05
362	88	-9.37e-04	-0.01	-0.17	-1.17e-06	-8.34e-06	3.35e-05
362	93	-9.92e-04	-0.01	-0.17	0.0	-7.71e-06	3.46e-05
362	95	-9.70e-04	-0.01	-0.18	0.0	-1.09e-05	3.63e-05
362	101	-9.31e-04	-0.01	-0.17	0.0	-9.26e-06	3.40e-05
362	102	-9.56e-04	-0.01	-0.17	-1.36e-06	-7.10e-06	3.31e-05
362	105	-9.47e-04	-0.01	-0.17	-1.58e-06	-6.95e-06	3.28e-05

362	106	-9.37e-04	-0.01	-0.17	-1.17e-06	-8.34e-06	3.35e-05
363	4	-3.75e-03	-9.35e-03	-0.23	-7.44e-06	-5.72e-04	0.0
363	11	-3.24e-03	-9.39e-03	-0.24	-7.47e-06	-6.28e-04	0.0
363	16	-1.84e-03	-8.74e-03	-0.24	-6.96e-06	-5.61e-04	0.0
363	36	0.26	-0.13	-0.21	-1.11e-04	1.43e-04	0.0
363	37	-0.26	0.12	-0.14	1.01e-04	-9.12e-04	0.0
363	42	-0.06	-0.56	-0.17	-4.71e-04	-5.12e-04	0.0
363	68	0.14	-0.07	-0.20	-6.29e-05	-9.46e-05	0.0
363	69	-0.15	0.06	-0.16	5.26e-05	-6.75e-04	0.0
363	74	-0.04	-0.30	-0.17	-2.59e-04	-4.54e-04	0.0
363	87	-9.50e-04	-6.32e-03	-0.18	-5.03e-06	-3.84e-04	0.0
363	88	-1.38e-03	-6.47e-03	-0.18	-5.15e-06	-3.85e-04	0.0
363	92	-2.49e-03	-7.00e-03	-0.18	-5.57e-06	-4.25e-04	0.0
363	95	-2.15e-03	-7.03e-03	-0.18	-5.59e-06	-4.62e-04	0.0
363	97	-1.22e-03	-6.59e-03	-0.18	-5.25e-06	-4.17e-04	0.0
363	101	-1.67e-03	-6.57e-03	-0.18	-5.23e-06	-3.85e-04	0.0
363	102	-9.88e-04	-6.39e-03	-0.18	-5.09e-06	-3.99e-04	0.0
363	105	-9.50e-04	-6.32e-03	-0.18	-5.03e-06	-3.84e-04	0.0
363	106	-1.38e-03	-6.47e-03	-0.18	-5.15e-06	-3.85e-04	0.0
364	1	1.95e-03	-7.86e-03	-0.20	1.36e-05	-8.13e-04	0.0
364	11	5.57e-04	-8.84e-03	-0.20	2.35e-05	-9.84e-04	0.0
364	16	1.70e-03	-8.20e-03	-0.21	7.25e-06	-9.08e-04	0.0
364	32	0.29	-0.23	-0.13	6.63e-04	-2.94e-04	0.0
364	39	-3.35e-04	0.54	-0.36	-1.62e-03	-4.43e-04	0.0
364	42	3.33e-03	-0.55	0.05	1.64e-03	-7.81e-04	0.0
364	64	0.16	-0.13	-0.14	3.69e-04	-4.37e-04	0.0
364	71	5.25e-03	0.29	-0.27	-8.84e-04	-5.19e-04	0.0
364	74	-2.76e-03	-0.30	-0.04	9.04e-04	-7.05e-04	0.0
364	87	1.62e-03	-5.96e-03	-0.15	9.65e-06	-6.11e-04	0.0
364	88	1.25e-03	-6.11e-03	-0.15	9.87e-06	-6.12e-04	0.0
364	89	1.62e-03	-5.96e-03	-0.15	9.65e-06	-6.11e-04	0.0
364	95	6.93e-04	-6.62e-03	-0.16	1.62e-05	-7.26e-04	0.0
364	97	1.45e-03	-6.19e-03	-0.16	5.44e-06	-6.75e-04	0.0
364	100	1.62e-03	-5.96e-03	-0.15	9.65e-06	-6.11e-04	0.0
364	101	1.00e-03	-6.21e-03	-0.15	1.00e-05	-6.12e-04	0.0
364	102	1.61e-03	-6.02e-03	-0.15	1.09e-05	-6.34e-04	0.0
364	105	1.62e-03	-5.96e-03	-0.15	9.65e-06	-6.11e-04	0.0
364	106	1.25e-03	-6.11e-03	-0.15	9.87e-06	-6.12e-04	0.0
365	9	1.01e-03	-4.44e-04	-0.17	2.05e-04	7.75e-06	0.0
365	11	8.18e-04	-4.71e-04	-0.17	2.05e-04	7.72e-06	0.0
365	36	0.03	-6.13e-03	-0.13	1.29e-04	2.07e-06	0.0
365	39	6.24e-03	0.03	-0.13	1.41e-04	7.08e-06	0.0
365	42	-4.54e-03	-0.03	-0.12	1.13e-04	1.94e-06	0.0
365	68	0.01	-3.40e-03	-0.13	1.28e-04	3.20e-06	0.0
365	71	2.87e-03	0.01	-0.13	1.34e-04	5.84e-06	0.0
365	74	-1.49e-03	-0.01	-0.13	1.19e-04	3.18e-06	0.0
365	87	7.43e-04	-3.15e-04	-0.13	1.27e-04	4.51e-06	0.0
365	88	6.88e-04	-3.23e-04	-0.13	1.27e-04	4.51e-06	0.0
365	93	7.84e-04	-3.34e-04	-0.13	1.51e-04	5.66e-06	0.0
365	95	6.55e-04	-3.52e-04	-0.13	1.51e-04	5.64e-06	0.0
365	101	6.51e-04	-3.28e-04	-0.13	1.27e-04	4.50e-06	0.0
365	102	7.51e-04	-3.19e-04	-0.13	1.32e-04	4.74e-06	0.0
365	104	6.96e-04	-3.27e-04	-0.13	1.32e-04	4.73e-06	0.0
365	105	7.43e-04	-3.15e-04	-0.13	1.27e-04	4.51e-06	0.0
365	106	6.88e-04	-3.23e-04	-0.13	1.27e-04	4.51e-06	0.0
366	9	1.95e-03	-1.05e-03	-0.18	-4.93e-05	-1.06e-04	0.0
366	11	1.81e-03	-1.11e-03	-0.18	-4.90e-05	-1.06e-04	0.0
366	35	0.03	-2.14e-03	-0.13	-1.78e-05	-7.85e-05	0.0
366	39	0.01	0.03	-0.16	-3.05e-04	1.61e-04	0.0
366	42	-9.98e-03	-0.04	-0.10	2.70e-04	-2.81e-04	0.0
366	67	0.02	-2.22e-03	-0.13	-1.76e-05	-7.03e-05	0.0
366	71	9.78e-03	0.02	-0.15	-1.75e-04	6.08e-05	0.0
366	74	-7.07e-03	-0.02	-0.12	1.40e-04	-1.80e-04	0.0
366	87	1.40e-03	-7.44e-04	-0.13	-1.76e-05	-5.97e-05	0.0
366	88	1.36e-03	-7.61e-04	-0.13	-1.76e-05	-5.97e-05	0.0
366	93	1.49e-03	-7.89e-04	-0.14	-3.36e-05	-7.69e-05	0.0
366	95	1.39e-03	-8.30e-04	-0.14	-3.34e-05	-7.69e-05	0.0
366	101	1.33e-03	-7.73e-04	-0.13	-1.75e-05	-5.97e-05	0.0
366	102	1.42e-03	-7.53e-04	-0.13	-2.08e-05	-6.31e-05	0.0
366	105	1.40e-03	-7.44e-04	-0.13	-1.76e-05	-5.97e-05	0.0
366	106	1.36e-03	-7.61e-04	-0.13	-1.76e-05	-5.97e-05	0.0
367	9	1.01e-03	-5.91e-04	-0.17	2.03e-04	-2.52e-05	0.0
367	11	8.21e-04	-6.27e-04	-0.17	2.03e-04	-2.53e-05	0.0
367	36	0.03	-6.60e-03	-0.13	1.29e-04	-1.98e-05	0.0
367	41	-7.85e-03	0.02	-0.13	1.30e-04	-6.85e-06	0.0
367	42	-4.54e-03	-0.03	-0.12	1.18e-04	-2.49e-05	0.0
367	68	0.01	-3.56e-03	-0.13	1.27e-04	-1.83e-05	0.0
367	73	-4.88e-03	0.01	-0.13	1.28e-04	-1.14e-05	0.0
367	74	-1.50e-03	-0.02	-0.13	1.21e-04	-2.10e-05	0.0
367	87	7.44e-04	-4.20e-04	-0.13	1.26e-04	-1.66e-05	0.0

367	88	6.89e-04	-4.30e-04	-0.13	1.26e-04	-1.66e-05	0.0
367	93	7.85e-04	-4.45e-04	-0.13	1.50e-04	-1.88e-05	0.0
367	95	6.57e-04	-4.69e-04	-0.13	1.50e-04	-1.88e-05	0.0
367	101	6.52e-04	-4.37e-04	-0.13	1.26e-04	-1.66e-05	0.0
367	102	7.52e-04	-4.25e-04	-0.13	1.30e-04	-1.71e-05	0.0
367	105	7.44e-04	-4.20e-04	-0.13	1.26e-04	-1.66e-05	0.0
367	106	6.89e-04	-4.30e-04	-0.13	1.26e-04	-1.66e-05	0.0
368	9	1.87e-03	2.56e-03	-0.20	-1.18e-04	-1.91e-04	0.0
368	11	1.70e-03	2.71e-03	-0.21	-1.20e-04	-2.18e-04	0.0
368	35	0.03	0.01	-0.17	-1.11e-04	-3.10e-04	1.48e-05
368	49	2.12e-03	0.05	-0.18	-2.90e-04	-3.31e-04	1.80e-05
368	51	0.02	0.05	-0.19	-2.71e-04	-3.94e-04	2.33e-05
368	67	0.02	0.01	-0.16	-9.83e-05	-2.37e-04	7.85e-06
368	81	3.72e-03	0.04	-0.17	-2.06e-04	-2.62e-04	9.82e-06
368	83	0.01	0.04	-0.18	-1.97e-04	-2.96e-04	1.26e-05
368	87	1.38e-03	1.83e-03	-0.15	-7.33e-05	-1.28e-04	0.0
368	88	1.33e-03	1.87e-03	-0.15	-7.39e-05	-1.36e-04	0.0
368	93	1.44e-03	1.93e-03	-0.15	-8.67e-05	-1.41e-04	0.0
368	95	1.32e-03	2.03e-03	-0.16	-8.81e-05	-1.59e-04	0.0
368	101	1.30e-03	1.90e-03	-0.15	-7.43e-05	-1.41e-04	0.0
368	102	1.39e-03	1.85e-03	-0.15	-7.60e-05	-1.31e-04	0.0
368	104	1.34e-03	1.89e-03	-0.15	-7.66e-05	-1.39e-04	0.0
368	105	1.38e-03	1.83e-03	-0.15	-7.33e-05	-1.28e-04	0.0
368	106	1.33e-03	1.87e-03	-0.15	-7.39e-05	-1.36e-04	0.0
369	4	9.31e-04	1.49e-03	-0.24	2.14e-04	-7.34e-05	0.0
369	11	7.27e-04	1.49e-03	-0.24	2.16e-04	-7.19e-05	0.0
369	28	0.03	1.65e-03	-0.22	2.88e-04	9.04e-06	0.0
369	47	2.30e-03	3.82e-03	-0.09	-1.49e-04	-1.05e-04	0.0
369	48	0.01	-6.82e-04	-0.27	4.51e-04	3.86e-05	0.0
369	60	0.02	-1.15e-03	-0.20	2.39e-04	-1.54e-05	0.0
369	79	-1.27e-03	0.01	-0.12	-3.75e-05	-8.58e-05	0.0
369	80	9.81e-03	-8.25e-03	-0.24	3.57e-04	2.93e-06	0.0
369	88	1.55e-04	1.04e-03	-0.17	1.52e-04	-4.69e-05	0.0
369	92	5.69e-04	1.12e-03	-0.18	1.61e-04	-5.39e-05	0.0
369	95	4.34e-04	1.12e-03	-0.18	1.62e-04	-5.29e-05	0.0
369	101	2.65e-04	1.06e-03	-0.18	1.53e-04	-4.85e-05	0.0
369	106	1.55e-04	1.04e-03	-0.17	1.52e-04	-4.69e-05	0.0
370	11	-1.95e-03	-0.02	-0.24	1.53e-05	0.0	-1.40e-06
370	29	-0.03	0.01	-0.15	-1.95e-04	0.0	5.42e-06
370	48	0.02	-0.06	-0.23	4.03e-04	0.0	2.70e-05
370	61	-0.02	2.99e-03	-0.16	-1.16e-04	0.0	0.0
370	80	0.01	-0.06	-0.21	2.96e-04	0.0	2.18e-05
370	88	-1.39e-03	-0.02	-0.17	8.13e-06	0.0	0.0
370	95	-1.47e-03	-0.02	-0.18	1.08e-05	0.0	-1.06e-06
370	101	-1.40e-03	-0.02	-0.17	8.63e-06	0.0	0.0
370	104	-1.40e-03	-0.02	-0.17	8.48e-06	0.0	0.0
370	106	-1.39e-03	-0.02	-0.17	8.13e-06	0.0	0.0
371	4	-7.65e-03	0.02	-0.34	5.74e-05	-1.04e-05	-1.44e-05
371	11	-7.09e-03	0.02	-0.35	4.92e-05	-8.40e-06	-1.44e-05
371	34	-0.27	-0.07	-0.24	2.36e-04	1.71e-04	5.55e-05
371	48	0.11	-0.32	-0.30	7.72e-04	1.90e-06	8.64e-05
371	49	-0.11	0.35	-0.18	-6.96e-04	-8.26e-06	-1.06e-04
371	66	-0.15	-0.04	-0.24	1.61e-04	9.37e-05	3.08e-05
371	80	0.06	-0.20	-0.28	4.74e-04	3.60e-06	5.81e-05
371	81	-0.07	0.22	-0.20	-3.74e-04	-1.15e-05	-7.80e-05
371	88	-4.11e-03	0.01	-0.24	5.00e-05	-3.94e-06	-9.97e-06
371	92	-5.42e-03	0.01	-0.26	4.58e-05	-6.93e-06	-1.08e-05
371	95	-5.05e-03	0.01	-0.26	4.03e-05	-5.61e-06	-1.08e-05
371	101	-4.45e-03	0.01	-0.24	5.03e-05	-4.81e-06	-1.01e-05
371	104	-4.16e-03	0.01	-0.24	4.80e-05	-3.93e-06	-1.01e-05
371	106	-4.11e-03	0.01	-0.24	5.00e-05	-3.94e-06	-9.97e-06
372	4	-7.30e-03	2.79e-03	-0.32	-7.38e-05	3.84e-04	-1.13e-05
372	9	-5.05e-03	2.67e-03	-0.33	-9.71e-05	4.16e-04	-1.07e-05
372	11	-6.78e-03	2.80e-03	-0.33	-9.76e-05	4.17e-04	-1.13e-05
372	32	0.23	-0.12	-0.24	3.75e-04	1.95e-04	-1.13e-04
372	34	-0.28	-0.07	-0.22	1.91e-04	3.48e-04	-3.58e-05
372	39	0.14	0.34	-0.23	-1.12e-03	2.12e-04	2.35e-04
372	64	0.13	-0.07	-0.23	1.97e-04	2.26e-04	-6.15e-05
372	66	-0.16	-0.04	-0.23	9.59e-05	3.10e-04	-1.87e-05
372	71	0.07	0.20	-0.23	-6.55e-04	2.36e-04	1.11e-04
372	87	-3.36e-03	1.92e-03	-0.23	-3.39e-05	2.63e-04	-7.63e-06
372	88	-3.85e-03	1.96e-03	-0.23	-3.41e-05	2.63e-04	-7.81e-06
372	92	-5.15e-03	2.10e-03	-0.24	-5.04e-05	2.86e-04	-8.43e-06
372	93	-3.65e-03	2.01e-03	-0.25	-6.60e-05	3.08e-04	-8.04e-06
372	95	-4.80e-03	2.10e-03	-0.25	-6.63e-05	3.08e-04	-8.46e-06
372	101	-4.18e-03	1.98e-03	-0.23	-3.42e-05	2.63e-04	-7.93e-06
372	102	-3.42e-03	1.94e-03	-0.23	-4.03e-05	2.72e-04	-7.71e-06
372	105	-3.36e-03	1.92e-03	-0.23	-3.39e-05	2.63e-04	-7.63e-06
372	106	-3.85e-03	1.96e-03	-0.23	-3.41e-05	2.63e-04	-7.81e-06
373	9	1.86e-03	-4.80e-04	-0.25	-4.27e-04	1.76e-04	0.0

373	11	1.71e-03	-5.08e-04	-0.25	-4.27e-04	1.76e-04	0.0
373	35	0.03	-1.84e-03	-0.17	-2.53e-04	9.79e-05	0.0
373	41	-1.34e-03	0.02	-0.19	-3.67e-04	1.67e-04	0.0
373	42	-9.98e-03	-0.03	-0.17	-1.63e-04	7.49e-05	0.0
373	67	0.02	-1.28e-03	-0.17	-2.55e-04	1.05e-04	0.0
373	73	1.98e-03	0.01	-0.18	-3.18e-04	1.43e-04	0.0
373	74	-7.19e-03	-0.01	-0.17	-2.05e-04	9.22e-05	0.0
373	87	1.35e-03	-3.39e-04	-0.18	-2.57e-04	1.14e-04	0.0
373	88	1.31e-03	-3.47e-04	-0.18	-2.57e-04	1.14e-04	0.0
373	93	1.42e-03	-3.61e-04	-0.19	-3.13e-04	1.14e-04	0.0
373	95	1.33e-03	-3.80e-04	-0.19	-3.13e-04	1.31e-04	0.0
373	101	1.28e-03	-3.52e-04	-0.18	-2.57e-04	1.14e-04	0.0
373	102	1.36e-03	-3.43e-04	-0.18	-2.69e-04	1.17e-04	0.0
373	104	1.32e-03	-3.51e-04	-0.18	-2.69e-04	1.17e-04	0.0
373	105	1.35e-03	-3.39e-04	-0.18	-2.57e-04	1.14e-04	0.0
373	106	1.31e-03	-3.47e-04	-0.18	-2.57e-04	1.14e-04	0.0
374	4	-7.67e-03	0.02	-0.30	7.09e-05	-5.29e-04	-1.44e-05
374	11	-7.11e-03	0.02	-0.31	6.57e-05	-5.73e-04	-1.45e-05
374	34	-0.27	-0.07	-0.24	1.82e-04	-3.01e-04	5.78e-05
374	49	-0.11	0.33	-0.16	-6.95e-04	-4.13e-04	-1.10e-04
374	50	-0.04	-0.29	-0.28	7.52e-04	-2.84e-04	5.57e-05
374	66	-0.15	-0.04	-0.23	1.35e-04	-3.28e-04	3.20e-05
374	81	-0.07	0.22	-0.18	-3.71e-04	-3.95e-04	-8.01e-05
374	82	-0.02	-0.18	-0.26	4.67e-04	-3.14e-04	4.12e-05
374	88	-4.12e-03	0.01	-0.22	5.80e-05	-3.61e-04	-1.00e-05
374	92	-5.43e-03	0.01	-0.23	5.55e-05	-3.94e-04	-1.08e-05
374	95	-5.06e-03	0.01	-0.23	5.21e-05	-4.23e-04	-1.09e-05
374	101	-4.46e-03	0.01	-0.22	5.81e-05	-3.62e-04	-1.02e-05
374	104	-4.17e-03	0.01	-0.22	5.67e-05	-3.73e-04	-1.01e-05
374	106	-4.12e-03	0.01	-0.22	5.80e-05	-3.61e-04	-1.00e-05
375	9	-7.46e-04	-5.43e-03	-0.23	-2.04e-05	0.0	7.71e-05
375	11	-6.69e-04	-5.81e-03	-0.23	-2.02e-05	0.0	8.14e-05
375	29	-0.03	0.01	-0.12	-1.60e-04	0.0	2.58e-05
375	48	0.02	-0.03	-0.25	2.85e-04	0.0	8.10e-05
375	61	-0.02	7.69e-03	-0.14	-1.03e-04	0.0	3.69e-05
375	80	0.01	-0.03	-0.22	1.93e-04	0.0	9.25e-05
375	87	-5.54e-04	-3.77e-03	-0.17	-1.58e-05	0.0	5.48e-05
375	88	-5.32e-04	-3.88e-03	-0.17	-1.58e-05	0.0	5.60e-05
375	93	-5.75e-04	-4.06e-03	-0.17	-1.57e-05	0.0	5.80e-05
375	95	-5.23e-04	-4.31e-03	-0.18	-1.56e-05	0.0	6.09e-05
375	101	-5.17e-04	-3.95e-03	-0.17	-1.58e-05	0.0	5.69e-05
375	102	-5.58e-04	-3.83e-03	-0.17	-1.58e-05	0.0	5.54e-05
375	105	-5.54e-04	-3.77e-03	-0.17	-1.58e-05	0.0	5.48e-05
375	106	-5.32e-04	-3.88e-03	-0.17	-1.58e-05	0.0	5.60e-05
376	9	1.83e-03	-6.26e-04	-0.26	-4.18e-04	-1.30e-04	-1.83e-06
376	11	1.69e-03	-6.62e-04	-0.26	-4.18e-04	-1.31e-04	-1.94e-06
376	35	0.03	-2.32e-03	-0.19	-3.01e-04	9.04e-05	-1.32e-05
376	39	0.01	0.03	-0.19	-4.23e-04	-8.39e-05	-1.14e-05
376	42	-9.99e-03	-0.03	-0.17	-8.30e-05	-8.18e-05	8.78e-06
376	67	0.02	-1.74e-03	-0.18	-2.80e-04	1.30e-05	-9.89e-06
376	71	9.75e-03	0.01	-0.19	-3.48e-04	-8.13e-05	-1.35e-05
376	74	-7.17e-03	-0.02	-0.18	-1.59e-04	-8.47e-05	1.09e-05
376	87	1.33e-03	-4.42e-04	-0.18	-2.53e-04	-8.26e-05	-1.31e-06
376	88	1.29e-03	-4.52e-04	-0.18	-2.53e-04	-8.30e-05	-1.34e-06
376	93	1.40e-03	-4.70e-04	-0.19	-3.07e-04	-9.62e-05	-1.38e-06
376	95	1.31e-03	-4.94e-04	-0.19	-3.07e-04	-9.70e-05	-1.45e-06
376	101	1.26e-03	-4.59e-04	-0.18	-2.53e-04	-8.36e-05	-1.36e-06
376	102	1.34e-03	-4.48e-04	-0.18	-2.64e-04	-8.53e-05	-1.32e-06
376	105	1.33e-03	-4.42e-04	-0.18	-2.53e-04	-8.26e-05	-1.31e-06
376	106	1.29e-03	-4.52e-04	-0.18	-2.53e-04	-8.30e-05	-1.34e-06
377	4	-1.03e-03	0.02	-0.24	1.19e-04	0.0	-5.39e-06
377	11	-9.52e-04	0.02	-0.25	1.19e-04	0.0	-5.28e-06
377	38	-0.04	-0.02	-0.15	2.61e-04	0.0	-1.62e-06
377	47	0.02	0.09	-0.23	-3.86e-04	0.0	-4.88e-05
377	49	4.34e-03	0.10	-0.23	-4.35e-04	0.0	-6.13e-05
377	70	-0.02	-9.96e-03	-0.16	1.95e-04	0.0	1.26e-06
377	79	0.02	0.08	-0.21	-2.01e-04	0.0	-3.80e-05
377	81	5.31e-03	0.08	-0.21	-2.29e-04	0.0	-4.48e-05
377	88	-5.60e-04	0.02	-0.17	8.21e-05	0.0	-3.77e-06
377	92	-7.33e-04	0.02	-0.18	8.89e-05	0.0	-4.05e-06
377	95	-6.79e-04	0.02	-0.19	8.93e-05	0.0	-3.97e-06
377	101	-6.05e-04	0.02	-0.18	8.33e-05	0.0	-3.84e-06
377	106	-5.60e-04	0.02	-0.17	8.21e-05	0.0	-3.77e-06
378	9	1.90e-03	-8.39e-04	-0.21	-2.20e-04	-3.98e-04	0.0
378	11	1.75e-03	-8.89e-04	-0.21	-2.20e-04	-3.98e-04	0.0
378	35	0.03	-2.43e-03	-0.16	-1.94e-04	-3.29e-04	0.0
378	42	-9.95e-03	-0.03	-0.13	3.07e-05	-3.28e-04	0.0
378	43	0.01	0.03	-0.16	-2.82e-04	-1.79e-04	0.0
378	67	0.02	-2.12e-03	-0.15	-1.63e-04	-2.95e-04	0.0
378	74	-7.09e-03	-0.02	-0.14	-3.94e-05	-2.94e-04	0.0

378	75	9.84e-03	0.01	-0.16	-2.12e-04	-2.13e-04	0.0
378	87	1.37e-03	-5.96e-04	-0.15	-1.26e-04	-2.53e-04	0.0
378	88	1.33e-03	-6.10e-04	-0.15	-1.26e-04	-2.53e-04	0.0
378	93	1.45e-03	-6.31e-04	-0.16	-1.60e-04	-2.95e-04	0.0
378	95	1.35e-03	-6.64e-04	-0.16	-1.60e-04	-2.95e-04	0.0
378	101	1.30e-03	-6.20e-04	-0.15	-1.26e-04	-2.53e-04	0.0
378	102	1.38e-03	-6.03e-04	-0.15	-1.33e-04	-2.61e-04	0.0
378	105	1.37e-03	-5.96e-04	-0.15	-1.26e-04	-2.53e-04	0.0
378	106	1.33e-03	-6.10e-04	-0.15	-1.26e-04	-2.53e-04	0.0
379	9	1.44e-03	-8.31e-04	-0.16	-1.36e-04	-4.66e-05	0.0
379	11	1.27e-03	-8.80e-04	-0.16	-1.35e-04	-4.65e-05	0.0
379	31	0.03	3.67e-03	-0.12	-8.83e-05	-3.63e-05	0.0
379	42	-7.51e-03	-0.03	-0.13	-9.39e-05	-3.32e-05	0.0
379	63	0.01	1.24e-03	-0.12	-8.58e-05	-3.32e-05	0.0
379	74	-4.47e-03	-0.02	-0.12	-8.88e-05	-3.15e-05	0.0
379	87	1.05e-03	-5.91e-04	-0.12	-8.28e-05	-2.94e-05	0.0
379	88	9.98e-04	-6.05e-04	-0.12	-8.28e-05	-2.94e-05	0.0
379	93	1.10e-03	-6.25e-04	-0.12	-9.97e-05	-3.45e-05	0.0
379	95	9.94e-04	-6.58e-04	-0.12	-9.96e-05	-3.44e-05	0.0
379	101	9.66e-04	-6.15e-04	-0.12	-8.28e-05	-2.94e-05	0.0
379	102	1.06e-03	-5.98e-04	-0.12	-8.62e-05	-3.04e-05	0.0
379	104	1.01e-03	-6.12e-04	-0.12	-8.61e-05	-3.04e-05	0.0
379	105	1.05e-03	-5.91e-04	-0.12	-8.28e-05	-2.94e-05	0.0
379	106	9.98e-04	-6.05e-04	-0.12	-8.28e-05	-2.94e-05	0.0
380	4	-9.98e-04	-1.20e-03	-0.23	-4.09e-05	4.02e-04	3.46e-06
380	9	-1.53e-03	-1.10e-03	-0.23	-3.89e-05	3.95e-04	3.76e-06
380	11	-1.17e-03	-1.19e-03	-0.23	-4.12e-05	4.07e-04	3.60e-06
380	34	-0.03	-6.52e-04	-0.14	4.57e-05	2.19e-04	1.35e-05
380	44	4.31e-03	-4.62e-03	-0.15	1.42e-04	2.62e-04	1.41e-05
380	51	7.90e-03	5.38e-04	-0.20	-3.05e-04	3.61e-04	-1.46e-05
380	66	-0.02	-2.85e-03	-0.15	1.90e-05	2.51e-04	1.12e-05
380	76	9.98e-04	-0.01	-0.16	8.64e-05	2.70e-04	1.66e-05
380	83	4.58e-03	7.29e-03	-0.19	-2.02e-04	3.36e-04	-1.45e-05
380	87	-1.16e-03	-7.79e-04	-0.17	-2.76e-05	2.86e-04	2.80e-06
380	88	-1.06e-03	-8.05e-04	-0.17	-2.83e-05	2.89e-04	2.75e-06
380	92	-8.44e-04	-8.89e-04	-0.17	-3.06e-05	3.04e-04	2.69e-06
380	93	-1.20e-03	-8.27e-04	-0.17	-2.93e-05	2.99e-04	2.88e-06
380	95	-9.62e-04	-8.87e-04	-0.18	-3.08e-05	3.07e-04	2.77e-06
380	101	-9.96e-04	-8.22e-04	-0.17	-2.87e-05	2.92e-04	2.72e-06
380	102	-1.17e-03	-7.89e-04	-0.17	-2.80e-05	2.89e-04	2.81e-06
380	105	-1.16e-03	-7.79e-04	-0.17	-2.76e-05	2.86e-04	2.80e-06
380	106	-1.06e-03	-8.05e-04	-0.17	-2.83e-05	2.89e-04	2.75e-06
381	4	7.45e-04	-1.57e-03	-0.25	-2.46e-04	-6.22e-05	0.0
381	11	5.39e-04	-1.57e-03	-0.25	-2.47e-04	-6.06e-05	0.0
381	31	0.03	-2.13e-03	-0.22	-2.59e-04	7.67e-06	0.0
381	47	0.01	1.38e-03	-0.28	-4.71e-04	3.53e-05	0.0
381	50	-0.01	-3.98e-03	-0.08	1.56e-04	-1.06e-04	0.0
381	63	0.02	8.66e-04	-0.20	-2.33e-04	-1.28e-05	0.0
381	79	9.29e-03	8.59e-03	-0.24	-3.79e-04	4.01e-06	0.0
381	82	-9.23e-03	-0.01	-0.12	3.13e-05	-8.24e-05	0.0
381	87	-1.34e-04	-1.10e-03	-0.18	-1.70e-04	-3.70e-05	0.0
381	88	2.79e-05	-1.12e-03	-0.18	-1.74e-04	-3.92e-05	0.0
381	92	4.31e-04	-1.19e-03	-0.19	-1.85e-04	-4.56e-05	0.0
381	95	2.93e-04	-1.18e-03	-0.19	-1.86e-04	-4.45e-05	0.0
381	101	1.36e-04	-1.13e-03	-0.18	-1.76e-04	-4.07e-05	0.0
381	105	-1.34e-04	-1.10e-03	-0.18	-1.70e-04	-3.70e-05	0.0
381	106	2.79e-05	-1.12e-03	-0.18	-1.74e-04	-3.92e-05	0.0
382	4	-7.60e-03	0.01	-0.24	4.76e-05	-4.25e-05	-1.64e-05
382	11	-7.04e-03	0.01	-0.25	4.72e-05	-4.11e-05	-1.67e-05
382	34	-0.28	-0.07	-0.17	2.51e-04	1.72e-04	6.10e-05
382	48	0.11	-0.29	-0.28	7.46e-04	1.81e-04	9.59e-05
382	49	-0.11	0.31	-0.06	-6.79e-04	-2.26e-04	-1.18e-04
382	66	-0.15	-0.04	-0.18	1.63e-04	8.65e-05	3.32e-05
382	80	0.06	-0.18	-0.24	4.53e-04	9.75e-05	6.26e-05
382	81	-0.07	0.20	-0.11	-3.76e-04	-1.45e-04	-8.53e-05
382	88	-4.07e-03	9.19e-03	-0.18	3.84e-05	-2.39e-05	-1.14e-05
382	92	-5.38e-03	9.90e-03	-0.18	3.71e-05	-3.04e-05	-1.23e-05
382	95	-5.01e-03	9.93e-03	-0.19	3.68e-05	-2.94e-05	-1.25e-05
382	101	-4.40e-03	9.33e-03	-0.18	3.82e-05	-2.54e-05	-1.15e-05
382	106	-4.07e-03	9.19e-03	-0.18	3.84e-05	-2.39e-05	-1.14e-05
383	9	2.02e-03	-1.32e-03	-0.19	3.63e-05	2.77e-04	0.0
383	11	1.88e-03	-1.40e-03	-0.19	3.67e-05	2.76e-04	0.0
383	35	0.03	-8.53e-03	-0.14	3.26e-05	1.90e-04	0.0
383	39	0.01	0.04	-0.22	-6.90e-04	8.08e-04	0.0
383	42	-0.01	-0.04	-0.06	7.56e-04	-4.22e-04	0.0
383	67	0.02	-6.04e-03	-0.14	3.34e-05	1.91e-04	0.0
383	71	9.87e-03	0.02	-0.18	-3.63e-04	5.30e-04	0.0
383	74	-7.07e-03	-0.02	-0.10	4.30e-04	-1.45e-04	0.0
383	87	1.44e-03	-9.32e-04	-0.14	3.32e-05	1.93e-04	0.0
383	88	1.40e-03	-9.53e-04	-0.14	3.33e-05	1.93e-04	0.0

383	93	1.54e-03	-9.95e-04	-0.14	2.90e-05	2.09e-04	0.0
383	95	1.45e-03	-1.04e-03	-0.14	2.93e-05	2.08e-04	0.0
383	101	1.37e-03	-9.67e-04	-0.14	3.34e-05	1.93e-04	0.0
383	102	1.46e-03	-9.44e-04	-0.14	3.24e-05	1.96e-04	0.0
383	105	1.44e-03	-9.32e-04	-0.14	3.32e-05	1.93e-04	0.0
383	106	1.40e-03	-9.53e-04	-0.14	3.33e-05	1.93e-04	0.0
384	4	-9.81e-03	1.04e-04	-0.25	0.0	2.83e-05	6.33e-05
384	11	-9.78e-03	1.17e-04	-0.25	0.0	3.02e-05	6.28e-05
384	29	-0.04	0.05	-0.21	0.0	6.99e-05	1.09e-05
384	49	-0.03	0.09	-0.20	0.0	4.82e-05	2.98e-05
384	61	-0.02	0.04	-0.20	0.0	4.76e-05	2.44e-05
384	81	-0.02	0.07	-0.19	0.0	3.75e-05	2.85e-05
384	88	-7.01e-03	3.86e-05	-0.18	0.0	2.03e-05	4.53e-05
384	92	-7.40e-03	6.89e-05	-0.19	0.0	2.13e-05	4.78e-05
384	95	-7.38e-03	7.74e-05	-0.19	0.0	2.26e-05	4.75e-05
384	101	-7.09e-03	4.30e-05	-0.18	0.0	2.03e-05	4.58e-05
384	104	-7.05e-03	4.46e-05	-0.18	0.0	2.08e-05	4.55e-05
384	106	-7.01e-03	3.86e-05	-0.18	0.0	2.03e-05	4.53e-05
385	4	8.11e-04	-2.50e-03	-0.24	-5.61e-05	-6.49e-06	-9.46e-06
385	11	6.02e-04	-2.48e-03	-0.24	-5.61e-05	-4.67e-06	-9.26e-06
385	31	0.03	-2.25e-03	-0.21	-1.17e-04	3.28e-05	-1.48e-05
385	44	2.97e-03	-4.93e-03	-0.12	1.45e-04	-2.01e-05	3.67e-06
385	47	0.01	-1.99e-04	-0.27	-3.11e-04	5.38e-05	-1.64e-05
385	63	0.02	2.55e-04	-0.20	-8.94e-05	1.97e-05	-1.32e-05
385	76	-7.06e-04	-0.01	-0.14	8.47e-05	-1.80e-05	6.14e-06
385	79	8.66e-03	6.45e-03	-0.23	-2.14e-04	3.55e-05	-2.00e-05
385	87	-9.32e-05	-1.61e-03	-0.17	-3.76e-05	1.42e-06	-5.48e-06
385	88	7.10e-05	-1.67e-03	-0.17	-3.86e-05	0.0	-5.83e-06
385	92	4.79e-04	-1.86e-03	-0.18	-4.20e-05	-3.70e-06	-6.89e-06
385	95	3.40e-04	-1.84e-03	-0.18	-4.19e-05	-2.48e-06	-6.76e-06
385	101	1.80e-04	-1.71e-03	-0.17	-3.93e-05	-1.02e-06	-6.07e-06
385	105	-9.32e-05	-1.61e-03	-0.17	-3.76e-05	1.42e-06	-5.48e-06
385	106	7.10e-05	-1.67e-03	-0.17	-3.86e-05	0.0	-5.83e-06
386	4	-6.16e-04	2.12e-03	-0.21	2.56e-05	-5.50e-05	0.0
386	11	-5.15e-04	2.13e-03	-0.22	3.51e-05	-3.62e-05	0.0
386	28	0.03	-0.02	-0.19	3.81e-05	-2.67e-04	0.0
386	48	0.03	-0.05	-0.23	2.06e-04	-4.07e-04	0.0
386	49	-0.03	0.05	-0.08	-1.79e-04	3.62e-04	0.0
386	61	-0.02	0.02	-0.14	-3.37e-06	1.17e-04	0.0
386	80	0.02	-0.04	-0.20	1.30e-04	-2.66e-04	0.0
386	81	-0.02	0.04	-0.11	-1.03e-04	2.16e-04	0.0
386	88	-1.97e-04	1.47e-03	-0.16	1.34e-05	-2.49e-05	0.0
386	92	-4.01e-04	1.59e-03	-0.16	1.79e-05	-3.79e-05	0.0
386	95	-3.34e-04	1.59e-03	-0.16	2.42e-05	-2.54e-05	0.0
386	101	-2.51e-04	1.49e-03	-0.16	1.30e-05	-3.00e-05	0.0
386	104	-2.03e-04	1.49e-03	-0.16	1.57e-05	-2.29e-05	0.0
386	106	-1.97e-04	1.47e-03	-0.16	1.34e-05	-2.49e-05	0.0
387	4	-3.80e-04	1.95e-03	-0.22	1.05e-04	1.42e-04	0.0
387	11	-2.78e-04	1.96e-03	-0.22	1.23e-04	1.69e-04	0.0
387	28	0.03	-0.02	-0.18	8.04e-05	-7.17e-05	0.0
387	48	0.03	-0.04	-0.21	2.31e-04	-2.16e-04	0.0
387	49	-0.03	0.05	-0.11	-9.59e-05	4.37e-04	0.0
387	61	-0.02	0.01	-0.15	5.84e-05	2.14e-04	0.0
387	80	0.02	-0.03	-0.19	1.64e-04	-9.16e-05	0.0
387	81	-0.02	0.04	-0.13	-2.92e-05	3.09e-04	0.0
387	87	4.22e-05	1.32e-03	-0.16	6.82e-05	1.14e-04	0.0
387	88	-3.52e-05	1.35e-03	-0.16	6.76e-05	1.09e-04	0.0
387	92	-2.25e-04	1.46e-03	-0.16	7.71e-05	1.09e-04	0.0
387	95	-1.57e-04	1.47e-03	-0.17	8.88e-05	1.27e-04	0.0
387	101	-8.68e-05	1.37e-03	-0.16	6.71e-05	1.05e-04	0.0
387	104	-3.89e-05	1.37e-03	-0.16	7.20e-05	1.14e-04	0.0
387	105	4.22e-05	1.32e-03	-0.16	6.82e-05	1.14e-04	0.0
387	106	-3.52e-05	1.35e-03	-0.16	6.76e-05	1.09e-04	0.0
388	4	-7.54e-03	0.01	-0.24	5.22e-05	6.05e-05	-1.34e-05
388	11	-6.99e-03	0.01	-0.24	5.78e-05	7.53e-05	-1.37e-05
388	34	-0.28	-0.05	-0.18	1.94e-04	-9.16e-05	-1.03e-04
388	48	0.11	-0.28	-0.29	7.40e-04	3.50e-05	8.40e-05
388	49	-0.11	0.29	-0.05	-6.64e-04	6.52e-05	-1.03e-04
388	66	-0.15	-0.03	-0.18	1.32e-04	-3.00e-05	-5.59e-05
388	80	0.06	-0.17	-0.25	4.47e-04	3.52e-05	5.68e-05
388	81	-0.07	0.19	-0.10	-3.70e-04	6.23e-05	-7.57e-05
388	88	-4.03e-03	7.78e-03	-0.17	3.84e-05	4.88e-05	-9.42e-06
388	92	-5.33e-03	8.37e-03	-0.18	3.96e-05	4.70e-05	-1.01e-05
388	95	-4.97e-03	8.38e-03	-0.18	4.34e-05	5.68e-05	-1.03e-05
388	101	-4.36e-03	7.89e-03	-0.17	3.79e-05	4.64e-05	-9.51e-06
388	104	-4.08e-03	7.85e-03	-0.17	3.96e-05	5.13e-05	-9.54e-06
388	106	-4.03e-03	7.78e-03	-0.17	3.84e-05	4.88e-05	-9.42e-06
389	9	2.10e-03	-1.44e-03	-0.24	5.11e-05	4.77e-04	-5.77e-06
389	11	1.96e-03	-1.53e-03	-0.24	5.19e-05	4.16e-04	-5.91e-06
389	35	0.03	-9.98e-03	-0.21	3.50e-05	5.83e-04	2.99e-05

389	39	0.01	0.04	-0.31	-1.32e-03	6.28e-04	-9.30e-06
389	42	-0.01	-0.05	-0.04	1.40e-03	-7.30e-05	0.0
389	67	0.02	-7.11e-03	-0.20	3.67e-05	4.46e-04	1.25e-05
389	71	9.97e-03	0.02	-0.25	-7.09e-04	4.71e-04	-1.36e-05
389	74	-7.08e-03	-0.02	-0.10	7.83e-04	8.33e-05	4.70e-06
389	87	1.49e-03	-9.98e-04	-0.17	3.68e-05	2.78e-04	-4.39e-06
389	88	1.45e-03	-1.02e-03	-0.17	3.70e-05	2.77e-04	-4.43e-06
389	93	1.60e-03	-1.08e-03	-0.18	3.87e-05	3.12e-04	-4.42e-06
389	95	1.50e-03	-1.14e-03	-0.18	3.92e-05	3.11e-04	-4.51e-06
389	101	1.42e-03	-1.04e-03	-0.17	3.71e-05	2.77e-04	-4.46e-06
389	102	1.51e-03	-1.01e-03	-0.17	3.72e-05	2.84e-04	-4.39e-06
389	105	1.49e-03	-9.98e-04	-0.17	3.68e-05	2.78e-04	-4.39e-06
389	106	1.45e-03	-1.02e-03	-0.17	3.70e-05	2.77e-04	-4.43e-06
390	4	-0.02	5.27e-03	-0.22	0.0	0.0	-1.00e-04
390	11	-0.02	5.27e-03	-0.22	0.0	1.92e-06	-1.00e-04
390	38	-0.04	-0.04	-0.20	0.0	-8.42e-06	-6.36e-05
390	49	-0.01	0.10	-0.12	0.0	-4.04e-05	-6.30e-05
390	54	-0.03	-0.09	-0.21	0.0	2.71e-05	-7.14e-05
390	70	-0.03	-0.03	-0.18	0.0	-8.46e-06	-6.52e-05
390	81	-0.01	0.08	-0.13	0.0	-2.29e-05	-7.41e-05
390	86	-0.03	-0.07	-0.19	0.0	1.54e-05	-6.51e-05
390	88	-0.01	3.67e-03	-0.16	0.0	0.0	-7.11e-05
390	92	-0.02	3.95e-03	-0.17	0.0	0.0	-7.55e-05
390	95	-0.02	3.95e-03	-0.17	0.0	1.42e-06	-7.55e-05
390	101	-0.01	3.73e-03	-0.16	0.0	0.0	-7.20e-05
390	106	-0.01	3.67e-03	-0.16	0.0	0.0	-7.11e-05
391	4	-7.51e-03	9.92e-03	-0.26	-3.92e-06	6.82e-05	-9.98e-06
391	11	-6.97e-03	9.95e-03	-0.26	-1.00e-05	9.20e-05	-9.88e-06
391	34	-0.28	-0.05	-0.19	2.54e-04	1.17e-04	-3.50e-05
391	48	0.11	-0.27	-0.28	7.40e-04	-3.59e-04	7.21e-05
391	53	-0.11	0.29	-0.10	-7.22e-04	4.77e-04	-5.47e-05
391	66	-0.15	-0.03	-0.19	1.50e-04	8.34e-05	-1.78e-05
391	80	0.06	-0.17	-0.24	4.34e-04	-1.95e-04	5.12e-05
391	85	-0.07	0.18	-0.13	-4.19e-04	3.10e-04	-4.80e-05
391	88	-4.00e-03	6.91e-03	-0.19	5.13e-06	5.85e-05	-6.96e-06
391	92	-5.31e-03	7.44e-03	-0.20	0.0	5.37e-05	-7.49e-06
391	95	-4.95e-03	7.46e-03	-0.20	-4.82e-06	6.97e-05	-7.42e-06
391	101	-4.34e-03	7.01e-03	-0.19	4.76e-06	5.44e-05	-7.08e-06
391	104	-4.06e-03	6.98e-03	-0.19	3.29e-06	6.24e-05	-7.01e-06
391	106	-4.00e-03	6.91e-03	-0.19	5.13e-06	5.85e-05	-6.96e-06
392	4	-3.19e-03	-0.01	-0.24	-1.85e-04	0.0	0.0
392	11	-3.12e-03	-0.01	-0.24	-1.86e-04	0.0	0.0
392	29	-0.04	0.04	-0.15	-3.48e-04	0.0	-3.45e-05
392	48	0.02	-0.09	-0.23	3.91e-04	0.0	5.51e-05
392	61	-0.02	0.02	-0.16	-2.63e-04	0.0	-2.23e-05
392	80	0.02	-0.08	-0.21	1.83e-04	0.0	3.92e-05
392	88	-2.04e-03	-8.89e-03	-0.17	-1.28e-04	0.0	0.0
392	92	-2.34e-03	-9.77e-03	-0.18	-1.39e-04	0.0	0.0
392	95	-2.29e-03	-9.82e-03	-0.18	-1.39e-04	0.0	0.0
392	101	-2.11e-03	-9.06e-03	-0.17	-1.30e-04	0.0	0.0
392	106	-2.04e-03	-8.89e-03	-0.17	-1.28e-04	0.0	0.0
393	9	1.43e-03	-1.03e-03	-0.16	-8.70e-05	5.34e-05	0.0
393	11	1.26e-03	-1.09e-03	-0.16	-8.69e-05	5.35e-05	0.0
393	18	1.16e-03	-1.08e-03	-0.16	-8.24e-05	5.44e-05	0.0
393	31	0.03	3.82e-03	-0.12	-6.77e-05	2.55e-05	0.0
393	42	-7.51e-03	-0.04	-0.13	-3.01e-05	5.66e-05	0.0
393	63	0.01	1.06e-03	-0.12	-6.12e-05	3.03e-05	0.0
393	74	-4.46e-03	-0.02	-0.12	-4.06e-05	4.74e-05	0.0
393	87	1.04e-03	-7.33e-04	-0.12	-5.34e-05	3.62e-05	0.0
393	88	9.92e-04	-7.51e-04	-0.12	-5.34e-05	3.62e-05	0.0
393	93	1.10e-03	-7.76e-04	-0.12	-6.40e-05	4.00e-05	0.0
393	95	9.88e-04	-8.17e-04	-0.12	-6.40e-05	4.01e-05	0.0
393	99	9.22e-04	-8.06e-04	-0.12	-6.10e-05	4.07e-05	0.0
393	101	9.61e-04	-7.62e-04	-0.12	-5.34e-05	3.62e-05	0.0
393	102	1.05e-03	-7.42e-04	-0.12	-5.55e-05	3.69e-05	0.0
393	104	1.00e-03	-7.59e-04	-0.12	-5.55e-05	3.70e-05	0.0
393	105	1.04e-03	-7.33e-04	-0.12	-5.34e-05	3.62e-05	0.0
393	106	9.92e-04	-7.51e-04	-0.12	-5.34e-05	3.62e-05	0.0
394	1	-1.53e-03	-4.46e-05	-0.12	-7.34e-06	6.86e-04	0.0
394	9	-1.59e-03	-3.89e-05	-0.13	-7.77e-06	7.19e-04	0.0
394	11	-1.27e-03	-3.46e-05	-0.13	-8.20e-06	7.42e-04	0.0
394	34	-0.03	7.64e-04	-0.08	3.83e-05	4.49e-04	0.0
394	36	0.02	-1.94e-03	-0.10	3.09e-05	6.11e-04	0.0
394	50	-8.99e-03	-2.76e-03	-0.09	1.50e-04	5.07e-04	0.0
394	66	-0.01	-2.01e-03	-0.09	2.18e-05	4.87e-04	0.0
394	68	0.01	-3.49e-03	-0.10	1.75e-05	5.75e-04	0.0
394	82	-5.50e-03	-9.70e-03	-0.09	9.05e-05	5.21e-04	0.0
394	87	-1.20e-03	-3.51e-05	-0.09	-5.57e-06	5.23e-04	0.0
394	88	-1.10e-03	-3.39e-05	-0.09	-5.69e-06	5.30e-04	0.0
394	89	-1.20e-03	-3.51e-05	-0.09	-5.57e-06	5.23e-04	0.0

394	93	-1.24e-03	-3.13e-05	-0.10	-5.86e-06	5.45e-04	0.0
394	95	-1.02e-03	-2.85e-05	-0.10	-6.15e-06	5.61e-04	0.0
394	100	-1.20e-03	-3.51e-05	-0.09	-5.57e-06	5.23e-04	0.0
394	101	-1.04e-03	-3.30e-05	-0.09	-5.77e-06	5.34e-04	0.0
394	102	-1.21e-03	-3.43e-05	-0.09	-5.63e-06	5.28e-04	0.0
394	105	-1.20e-03	-3.51e-05	-0.09	-5.57e-06	5.23e-04	0.0
394	106	-1.10e-03	-3.39e-05	-0.09	-5.69e-06	5.30e-04	0.0
395	4	-1.44e-03	2.53e-03	-0.23	-1.03e-05	-7.90e-05	-5.27e-06
395	11	-1.35e-03	2.55e-03	-0.23	-1.02e-05	-7.54e-05	-5.23e-06
395	29	-0.03	0.03	-0.11	-1.39e-04	4.95e-06	-4.56e-05
395	48	0.02	-0.05	-0.27	3.06e-04	-8.66e-05	4.54e-05
395	49	-0.03	0.06	-0.07	-3.22e-04	-7.32e-06	-6.59e-05
395	61	-0.02	0.02	-0.14	-8.64e-05	-1.88e-05	-3.06e-05
395	80	0.02	-0.04	-0.23	1.87e-04	-7.21e-05	4.29e-05
395	81	-0.02	0.04	-0.11	-2.03e-04	-2.47e-05	-5.07e-05
395	88	-7.58e-04	1.78e-03	-0.17	-8.09e-06	-4.84e-05	-3.94e-06
395	92	-1.02e-03	1.90e-03	-0.17	-7.97e-06	-5.75e-05	-4.02e-06
395	95	-9.52e-04	1.91e-03	-0.18	-7.90e-06	-5.51e-05	-4.00e-06
395	101	-8.23e-04	1.80e-03	-0.17	-8.09e-06	-5.07e-05	-3.96e-06
395	106	-7.58e-04	1.78e-03	-0.17	-8.09e-06	-4.84e-05	-3.94e-06
396	4	-0.01	5.58e-03	-0.23	0.0	7.87e-06	-9.19e-05
396	11	-0.01	5.59e-03	-0.23	0.0	9.41e-06	-9.18e-05
396	33	-0.03	9.84e-04	-0.19	0.0	-3.60e-06	-5.36e-05
396	38	-0.04	-0.04	-0.19	0.0	2.19e-06	-4.89e-05
396	49	-5.90e-03	0.10	-0.18	0.0	-9.90e-06	-6.69e-05
396	65	-0.02	9.04e-03	-0.18	0.0	-2.93e-06	-6.30e-05
396	70	-0.03	-0.03	-0.18	0.0	0.0	-5.58e-05
396	81	-4.94e-03	0.08	-0.17	0.0	-3.40e-06	-7.49e-05
396	88	-8.41e-03	3.89e-03	-0.16	0.0	5.94e-06	-6.52e-05
396	92	-8.89e-03	4.19e-03	-0.17	0.0	6.00e-06	-6.93e-05
396	95	-8.88e-03	4.19e-03	-0.17	0.0	7.03e-06	-6.92e-05
396	101	-8.51e-03	3.95e-03	-0.16	0.0	5.74e-06	-6.61e-05
396	106	-8.41e-03	3.89e-03	-0.16	0.0	5.94e-06	-6.52e-05
397	9	1.01e-03	-8.39e-04	-0.16	1.35e-04	-4.67e-05	0.0
397	11	8.23e-04	-8.89e-04	-0.16	1.35e-04	-4.67e-05	0.0
397	36	0.03	-8.13e-03	-0.12	8.97e-05	-3.75e-05	0.0
397	41	-7.80e-03	0.03	-0.13	9.33e-05	-3.30e-05	0.0
397	42	-4.54e-03	-0.03	-0.12	6.59e-05	-2.08e-05	0.0
397	68	0.01	-4.23e-03	-0.12	8.65e-05	-3.39e-05	0.0
397	73	-4.83e-03	0.01	-0.12	8.83e-05	-3.14e-05	0.0
397	74	-1.52e-03	-0.02	-0.12	7.35e-05	-2.47e-05	0.0
397	87	7.43e-04	-5.96e-04	-0.12	8.25e-05	-2.95e-05	0.0
397	88	6.88e-04	-6.11e-04	-0.12	8.25e-05	-2.95e-05	0.0
397	93	7.85e-04	-6.32e-04	-0.12	9.94e-05	-3.46e-05	0.0
397	95	6.58e-04	-6.65e-04	-0.12	9.94e-05	-3.45e-05	0.0
397	101	6.52e-04	-6.20e-04	-0.12	8.25e-05	-2.95e-05	0.0
397	102	7.51e-04	-6.04e-04	-0.12	8.59e-05	-3.05e-05	0.0
397	105	7.43e-04	-5.96e-04	-0.12	8.25e-05	-2.95e-05	0.0
397	106	6.88e-04	-6.11e-04	-0.12	8.25e-05	-2.95e-05	0.0
398	5	2.26e-04	1.12e-03	-0.17	1.56e-04	3.75e-05	0.0
398	11	-4.53e-05	1.70e-03	-0.24	2.72e-04	5.68e-05	0.0
398	28	0.03	-0.01	-0.19	1.85e-04	9.86e-05	0.0
398	49	-0.02	0.04	-0.15	4.55e-05	1.12e-04	0.0
398	52	0.03	-0.04	-0.20	2.76e-04	-3.69e-05	0.0
398	60	0.02	-9.43e-03	-0.18	1.76e-04	6.83e-05	0.0
398	80	0.02	-0.03	-0.19	2.31e-04	-1.21e-05	0.0
398	81	-0.02	0.03	-0.16	9.21e-05	8.46e-05	0.0
398	87	1.96e-04	1.14e-03	-0.17	1.62e-04	3.81e-05	0.0
398	88	1.23e-04	1.17e-03	-0.17	1.61e-04	3.63e-05	0.0
398	89	1.96e-04	1.14e-03	-0.17	1.62e-04	3.81e-05	0.0
398	95	1.63e-05	1.27e-03	-0.18	1.99e-04	4.25e-05	0.0
398	100	1.96e-04	1.14e-03	-0.17	1.62e-04	3.81e-05	0.0
398	101	7.44e-05	1.19e-03	-0.17	1.61e-04	3.50e-05	0.0
398	104	1.21e-04	1.18e-03	-0.18	1.69e-04	3.80e-05	0.0
398	105	1.96e-04	1.14e-03	-0.17	1.62e-04	3.81e-05	0.0
398	106	1.23e-04	1.17e-03	-0.17	1.61e-04	3.63e-05	0.0
399	9	1.48e-03	6.49e-04	-0.16	-1.46e-04	-3.45e-05	0.0
399	11	1.30e-03	6.84e-04	-0.16	-1.46e-04	-3.39e-05	0.0
399	35	0.03	4.71e-03	-0.12	-8.71e-05	-2.46e-05	0.0
399	42	-8.02e-03	-0.02	-0.12	-9.80e-05	-2.20e-05	0.0
399	45	-4.32e-03	0.02	-0.12	-7.86e-05	-2.00e-05	0.0
399	67	0.02	3.90e-03	-0.12	-8.77e-05	-2.33e-05	0.0
399	74	-4.92e-03	-0.02	-0.12	-9.41e-05	-2.20e-05	0.0
399	77	-1.12e-03	0.02	-0.12	-8.28e-05	-2.07e-05	0.0
399	87	1.09e-03	4.65e-04	-0.12	-8.87e-05	-2.20e-05	0.0
399	88	1.04e-03	4.75e-04	-0.12	-8.87e-05	-2.18e-05	0.0
399	93	1.14e-03	4.89e-04	-0.12	-1.07e-04	-2.56e-05	0.0
399	95	1.02e-03	5.13e-04	-0.12	-1.07e-04	-2.52e-05	0.0
399	101	1.00e-03	4.82e-04	-0.12	-8.86e-05	-2.17e-05	0.0
399	102	1.10e-03	4.70e-04	-0.12	-9.24e-05	-2.27e-05	0.0

399	105	1.09e-03	4.65e-04	-0.12	-8.87e-05	-2.20e-05	0.0
399	106	1.04e-03	4.75e-04	-0.12	-8.87e-05	-2.18e-05	0.0
400	11	-2.75e-03	5.43e-03	-0.24	-6.88e-05	1.18e-05	-1.33e-05
400	38	-0.03	-0.04	-0.18	1.61e-04	-4.45e-05	2.59e-05
400	49	3.45e-03	0.10	-0.24	-5.84e-04	-2.11e-05	-6.62e-05
400	70	-0.02	-0.03	-0.17	8.06e-05	-2.08e-05	1.06e-05
400	81	3.97e-03	0.08	-0.21	-3.88e-04	-1.06e-05	-4.26e-05
400	88	-1.92e-03	3.76e-03	-0.17	-4.72e-05	8.12e-06	-1.12e-05
400	95	-2.06e-03	4.07e-03	-0.18	-5.14e-05	8.92e-06	-1.04e-05
400	101	-1.95e-03	3.82e-03	-0.17	-4.80e-05	8.07e-06	-1.11e-05
400	106	-1.92e-03	3.76e-03	-0.17	-4.72e-05	8.12e-06	-1.12e-05
401	11	-2.40e-03	0.01	-0.24	-5.30e-05	0.0	7.45e-05
401	38	-0.03	-0.03	-0.18	5.63e-05	0.0	8.56e-05
401	49	3.62e-03	0.09	-0.23	-5.21e-04	0.0	-3.70e-05
401	70	-0.02	-0.02	-0.17	2.97e-05	0.0	7.43e-05
401	81	4.18e-03	0.08	-0.21	-3.62e-04	0.0	6.11e-06
401	88	-1.68e-03	6.74e-03	-0.17	-3.47e-05	0.0	5.06e-05
401	95	-1.81e-03	7.46e-03	-0.18	-3.92e-05	0.0	5.55e-05
401	101	-1.70e-03	6.88e-03	-0.17	-3.56e-05	0.0	5.15e-05
401	106	-1.68e-03	6.74e-03	-0.17	-3.47e-05	0.0	5.06e-05
402	11	-2.10e-03	0.02	-0.24	-5.61e-05	0.0	6.24e-05
402	38	-0.03	-0.02	-0.17	1.58e-04	0.0	7.18e-05
402	49	3.58e-03	0.09	-0.23	-5.02e-04	0.0	-3.50e-05
402	70	-0.02	-0.01	-0.17	8.49e-05	0.0	6.29e-05
402	81	4.27e-03	0.08	-0.21	-3.62e-04	0.0	-3.80e-06
402	88	-1.46e-03	0.01	-0.17	-3.61e-05	0.0	4.32e-05
402	95	-1.58e-03	0.01	-0.18	-4.13e-05	0.0	4.67e-05
402	101	-1.48e-03	0.01	-0.17	-3.70e-05	0.0	4.39e-05
402	104	-1.48e-03	0.01	-0.17	-3.67e-05	0.0	4.36e-05
402	106	-1.46e-03	0.01	-0.17	-3.61e-05	0.0	4.32e-05
403	11	-1.85e-03	0.02	-0.24	-6.69e-05	0.0	2.80e-05
403	38	-0.03	-0.02	-0.17	1.50e-04	0.0	4.64e-05
403	49	3.42e-03	0.08	-0.23	-5.06e-04	0.0	-4.54e-05
403	70	-0.02	-7.54e-03	-0.17	7.74e-05	0.0	3.77e-05
403	81	4.25e-03	0.08	-0.21	-3.71e-04	0.0	-2.43e-05
403	88	-1.29e-03	0.02	-0.17	-4.36e-05	0.0	1.96e-05
403	95	-1.39e-03	0.02	-0.18	-4.94e-05	0.0	2.11e-05
403	101	-1.30e-03	0.02	-0.17	-4.47e-05	0.0	1.98e-05
403	104	-1.31e-03	0.02	-0.17	-4.43e-05	0.0	1.98e-05
403	106	-1.29e-03	0.02	-0.17	-4.36e-05	0.0	1.96e-05
404	11	-1.68e-03	0.02	-0.24	-7.97e-05	8.59e-06	1.43e-05
404	38	-0.03	-0.01	-0.17	3.91e-05	-3.10e-05	1.34e-05
404	49	3.19e-03	0.08	-0.23	-5.01e-04	-6.05e-06	-4.37e-05
404	70	-0.02	-4.30e-03	-0.17	1.22e-05	-1.42e-05	1.52e-05
404	81	4.17e-03	0.07	-0.21	-3.72e-04	-1.23e-06	-2.86e-05
404	88	-1.18e-03	0.02	-0.17	-5.27e-05	6.45e-06	1.01e-05
404	95	-1.26e-03	0.02	-0.18	-5.90e-05	6.65e-06	1.08e-05
404	101	-1.19e-03	0.02	-0.17	-5.39e-05	6.23e-06	1.02e-05
404	104	-1.19e-03	0.02	-0.17	-5.35e-05	6.58e-06	1.02e-05
404	106	-1.18e-03	0.02	-0.17	-5.27e-05	6.45e-06	1.01e-05
405	11	-1.50e-03	0.03	-0.24	-7.62e-05	0.0	7.62e-06
405	38	-0.03	-7.88e-03	-0.17	1.35e-04	0.0	7.91e-06
405	49	2.93e-03	0.07	-0.23	-4.90e-04	0.0	-4.78e-05
405	70	-0.02	-1.81e-03	-0.17	6.59e-05	0.0	9.94e-06
405	81	4.07e-03	0.07	-0.21	-3.66e-04	0.0	-3.20e-05
405	88	-1.06e-03	0.02	-0.17	-5.01e-05	0.0	5.28e-06
405	95	-1.13e-03	0.02	-0.18	-5.64e-05	0.0	5.72e-06
405	101	-1.07e-03	0.02	-0.18	-5.13e-05	0.0	5.33e-06
405	104	-1.07e-03	0.02	-0.17	-5.09e-05	0.0	5.35e-06
405	106	-1.06e-03	0.02	-0.17	-5.01e-05	0.0	5.28e-06
406	11	-1.27e-03	0.03	-0.24	-7.67e-05	0.0	-4.33e-06
406	38	-0.03	-5.74e-03	-0.17	1.29e-04	0.0	-2.56e-06
406	49	2.70e-03	0.07	-0.23	-4.79e-04	0.0	-4.33e-05
406	70	-0.02	-2.77e-04	-0.17	6.25e-05	0.0	0.0
406	81	4.01e-03	0.07	-0.21	-3.60e-04	0.0	-3.44e-05
406	88	-9.10e-04	0.02	-0.17	-5.06e-05	0.0	-2.85e-06
406	95	-9.61e-04	0.02	-0.18	-5.68e-05	0.0	-3.19e-06
406	101	-9.11e-04	0.02	-0.18	-5.17e-05	0.0	-2.95e-06
406	104	-9.19e-04	0.02	-0.18	-5.14e-05	0.0	-2.87e-06
406	106	-9.10e-04	0.02	-0.17	-5.06e-05	0.0	-2.85e-06
407	9	-1.11e-03	0.02	-0.24	-7.47e-05	4.60e-06	3.12e-06
407	11	-1.11e-03	0.03	-0.25	-8.07e-05	2.29e-06	2.88e-06
407	38	-0.03	-4.09e-03	-0.16	1.19e-04	-4.02e-05	2.89e-06
407	49	2.45e-03	0.06	-0.23	-4.67e-04	1.55e-05	-3.69e-05
407	70	-0.02	9.21e-04	-0.17	5.53e-05	-2.16e-05	5.73e-06
407	81	3.91e-03	0.06	-0.21	-3.53e-04	1.17e-05	-2.90e-05
407	87	-8.06e-04	0.02	-0.17	-5.19e-05	3.52e-06	2.39e-06
407	88	-8.05e-04	0.02	-0.17	-5.36e-05	2.86e-06	2.32e-06
407	93	-8.44e-04	0.02	-0.18	-5.59e-05	3.70e-06	2.42e-06
407	95	-8.41e-04	0.02	-0.18	-5.99e-05	2.15e-06	2.26e-06

407	101	-8.04e-04	0.02	-0.18	-5.48e-05	2.42e-06	2.28e-06
407	102	-8.14e-04	0.02	-0.17	-5.27e-05	3.56e-06	2.40e-06
407	105	-8.06e-04	0.02	-0.17	-5.19e-05	3.52e-06	2.39e-06
407	106	-8.05e-04	0.02	-0.17	-5.36e-05	2.86e-06	2.32e-06
408	4	-4.05e-04	-1.02e-03	-0.18	-5.06e-04	3.66e-04	0.0
408	9	-9.93e-04	-9.73e-04	-0.18	-4.88e-04	3.61e-04	0.0
408	11	-5.87e-04	-1.02e-03	-0.18	-5.09e-04	3.70e-04	0.0
408	34	-0.03	4.05e-05	-0.11	-2.57e-04	1.94e-04	0.0
408	50	-0.01	-3.55e-03	-0.08	-4.26e-05	1.60e-04	0.0
408	51	9.70e-03	1.16e-03	-0.18	-6.70e-04	3.60e-04	0.0
408	66	-0.02	-2.71e-03	-0.12	-2.97e-04	2.24e-04	0.0
408	82	-7.67e-03	-0.01	-0.10	-1.65e-04	2.00e-04	0.0
408	83	6.45e-03	8.59e-03	-0.16	-5.52e-04	3.32e-04	0.0
408	87	-7.86e-04	-7.12e-04	-0.13	-3.53e-04	2.63e-04	0.0
408	88	-6.70e-04	-7.26e-04	-0.13	-3.59e-04	2.66e-04	0.0
408	92	-4.04e-04	-7.71e-04	-0.14	-3.81e-04	2.77e-04	0.0
408	93	-7.97e-04	-7.38e-04	-0.13	-3.69e-04	2.74e-04	0.0
408	95	-5.26e-04	-7.70e-04	-0.14	-3.83e-04	2.80e-04	0.0
408	101	-5.92e-04	-7.35e-04	-0.13	-3.63e-04	2.67e-04	0.0
408	102	-7.88e-04	-7.17e-04	-0.13	-3.57e-04	2.65e-04	0.0
408	105	-7.86e-04	-7.12e-04	-0.13	-3.53e-04	2.63e-04	0.0
408	106	-6.70e-04	-7.26e-04	-0.13	-3.59e-04	2.66e-04	0.0
409	9	-8.21e-04	0.02	-0.23	-6.03e-05	0.0	-9.20e-06
409	11	-7.81e-04	0.03	-0.24	-6.56e-05	0.0	-1.01e-05
409	38	-0.03	-7.75e-04	-0.15	1.17e-04	0.0	-7.45e-06
409	47	0.02	0.05	-0.24	-3.76e-04	0.0	-2.87e-05
409	49	1.84e-03	0.06	-0.23	-4.19e-04	0.0	-3.78e-05
409	70	-0.02	3.36e-03	-0.16	5.71e-05	0.0	-4.13e-06
409	79	0.01	0.05	-0.21	-2.95e-04	0.0	-2.90e-05
409	81	3.67e-03	0.06	-0.21	-3.19e-04	0.0	-3.39e-05
409	87	-6.02e-04	0.02	-0.17	-4.13e-05	0.0	-6.53e-06
409	88	-5.91e-04	0.02	-0.17	-4.28e-05	0.0	-6.80e-06
409	93	-6.28e-04	0.02	-0.18	-4.50e-05	0.0	-6.90e-06
409	95	-6.01e-04	0.02	-0.18	-4.84e-05	0.0	-7.51e-06
409	101	-5.83e-04	0.02	-0.18	-4.38e-05	0.0	-6.97e-06
409	102	-6.07e-04	0.02	-0.17	-4.20e-05	0.0	-6.61e-06
409	105	-6.02e-04	0.02	-0.17	-4.13e-05	0.0	-6.53e-06
409	106	-5.91e-04	0.02	-0.17	-4.28e-05	0.0	-6.80e-06
410	9	-6.26e-04	0.02	-0.23	-4.97e-05	0.0	-3.23e-05
410	11	-5.60e-04	0.02	-0.24	-5.41e-05	0.0	-3.43e-05
410	35	0.03	0.03	-0.20	-1.70e-04	0.0	-3.78e-05
410	47	0.02	0.05	-0.24	-3.49e-04	0.0	-4.10e-05
410	49	1.65e-03	0.05	-0.23	-3.89e-04	0.0	-4.95e-05
410	70	-0.02	2.91e-03	-0.16	5.84e-05	0.0	-1.23e-05
410	79	0.01	0.05	-0.22	-2.72e-04	0.0	-4.54e-05
410	81	3.63e-03	0.05	-0.21	-2.94e-04	0.0	-4.99e-05
410	87	-4.61e-04	0.02	-0.17	-3.37e-05	0.0	-2.31e-05
410	88	-4.42e-04	0.02	-0.17	-3.50e-05	0.0	-2.37e-05
410	93	-4.81e-04	0.02	-0.18	-3.69e-05	0.0	-2.43e-05
410	95	-4.38e-04	0.02	-0.18	-3.99e-05	0.0	-2.57e-05
410	101	-4.30e-04	0.02	-0.18	-3.58e-05	0.0	-2.41e-05
410	102	-4.65e-04	0.02	-0.17	-3.44e-05	0.0	-2.34e-05
410	105	-4.61e-04	0.02	-0.17	-3.37e-05	0.0	-2.31e-05
410	106	-4.42e-04	0.02	-0.17	-3.50e-05	0.0	-2.37e-05
411	9	-3.49e-04	0.02	-0.24	-4.02e-05	0.0	-4.78e-05
411	11	-2.59e-04	0.02	-0.24	-4.38e-05	-3.30e-06	-5.05e-05
411	35	0.03	0.03	-0.21	-1.53e-04	5.23e-05	-4.86e-05
411	47	0.02	0.05	-0.25	-3.23e-04	6.55e-05	-4.91e-05
411	70	-0.02	8.27e-04	-0.15	5.72e-05	-3.00e-05	-2.28e-05
411	79	0.01	0.05	-0.22	-2.47e-04	4.15e-05	-5.79e-05
411	87	-2.68e-04	0.01	-0.17	-2.72e-05	1.32e-06	-3.41e-05
411	88	-2.42e-04	0.01	-0.17	-2.83e-05	0.0	-3.49e-05
411	93	-2.75e-04	0.01	-0.18	-2.99e-05	1.07e-06	-3.60e-05
411	95	-2.14e-04	0.01	-0.18	-3.23e-05	-1.68e-06	-3.78e-05
411	101	-2.25e-04	0.01	-0.18	-2.90e-05	0.0	-3.54e-05
411	102	-2.69e-04	0.01	-0.17	-2.78e-05	1.27e-06	-3.45e-05
411	105	-2.68e-04	0.01	-0.17	-2.72e-05	1.32e-06	-3.41e-05
411	106	-2.42e-04	0.01	-0.17	-2.83e-05	0.0	-3.49e-05
412	4	-7.27e-03	-2.01e-03	-0.26	-4.71e-05	3.05e-05	-1.10e-05
412	11	-6.77e-03	-2.02e-03	-0.27	-6.85e-05	3.32e-05	-1.11e-05
412	28	0.26	-8.33e-03	-0.19	1.61e-05	-3.25e-05	8.08e-05
412	34	-0.28	-0.08	-0.19	2.35e-04	6.79e-05	-3.44e-05
412	42	-0.15	-0.42	-0.19	1.32e-03	2.44e-05	-2.43e-04
412	66	-0.16	-0.05	-0.19	1.25e-04	4.65e-05	-1.79e-05
412	74	-0.08	-0.24	-0.19	7.32e-04	2.23e-05	-1.23e-04
412	80	0.06	-0.12	-0.19	3.76e-04	6.32e-06	5.79e-05
412	88	-3.83e-03	-1.38e-03	-0.19	-1.68e-05	2.05e-05	-7.64e-06
412	92	-5.13e-03	-1.50e-03	-0.20	-3.08e-05	2.26e-05	-8.25e-06
412	95	-4.80e-03	-1.51e-03	-0.20	-4.50e-05	2.45e-05	-8.29e-06
412	101	-4.16e-03	-1.40e-03	-0.19	-1.68e-05	2.06e-05	-7.76e-06

412	104	-3.90e-03	-1.39e-03	-0.19	-2.25e-05	2.13e-05	-7.73e-06
412	106	-3.83e-03	-1.38e-03	-0.19	-1.68e-05	2.05e-05	-7.64e-06
413	4	-2.60e-03	-9.18e-03	-0.23	1.26e-04	-5.84e-04	0.0
413	11	-2.09e-03	-9.21e-03	-0.23	1.29e-04	-6.40e-04	0.0
413	16	-7.61e-04	-8.57e-03	-0.23	1.40e-04	-5.76e-04	0.0
413	32	0.27	-0.23	-0.22	2.31e-05	1.57e-04	0.0
413	33	-0.27	0.21	-0.13	1.64e-04	-9.44e-04	0.0
413	42	-0.05	-0.56	-0.19	-8.08e-05	-4.84e-04	0.0
413	64	0.15	-0.13	-0.20	5.53e-05	-9.08e-05	0.0
413	65	-0.15	0.11	-0.15	1.32e-04	-6.96e-04	0.0
413	74	-0.03	-0.30	-0.18	-1.16e-06	-4.44e-04	0.0
413	87	-1.68e-04	-6.21e-03	-0.17	9.39e-05	-3.93e-04	0.0
413	88	-5.83e-04	-6.36e-03	-0.17	9.38e-05	-3.93e-04	0.0
413	92	-1.63e-03	-6.88e-03	-0.17	9.58e-05	-4.33e-04	0.0
413	95	-1.29e-03	-6.89e-03	-0.18	9.79e-05	-4.71e-04	0.0
413	97	-4.04e-04	-6.47e-03	-0.18	1.06e-04	-4.28e-04	0.0
413	101	-8.60e-04	-6.46e-03	-0.17	9.38e-05	-3.94e-04	0.0
413	102	-1.98e-04	-6.27e-03	-0.17	9.47e-05	-4.08e-04	0.0
413	105	-1.68e-04	-6.21e-03	-0.17	9.39e-05	-3.93e-04	0.0
413	106	-5.83e-04	-6.36e-03	-0.17	9.38e-05	-3.93e-04	0.0
414	9	1.01e-03	-1.03e-03	-0.16	8.71e-05	5.31e-05	0.0
414	11	8.19e-04	-1.09e-03	-0.16	8.71e-05	5.31e-05	0.0
414	18	7.25e-04	-1.07e-03	-0.16	8.26e-05	5.40e-05	0.0
414	36	0.03	-9.79e-03	-0.12	6.43e-05	2.88e-05	0.0
414	42	-4.54e-03	-0.04	-0.12	7.19e-05	1.87e-05	0.0
414	45	-7.90e-03	0.03	-0.13	3.03e-05	5.62e-05	0.0
414	68	0.01	-5.02e-03	-0.12	5.94e-05	3.20e-05	0.0
414	74	-1.53e-03	-0.02	-0.12	6.36e-05	2.65e-05	0.0
414	77	-4.88e-03	0.02	-0.12	4.07e-05	4.70e-05	0.0
414	87	7.39e-04	-7.32e-04	-0.12	5.35e-05	3.59e-05	0.0
414	88	6.85e-04	-7.49e-04	-0.12	5.35e-05	3.59e-05	0.0
414	93	7.82e-04	-7.74e-04	-0.12	6.41e-05	3.98e-05	0.0
414	95	6.55e-04	-8.14e-04	-0.12	6.41e-05	3.98e-05	0.0
414	99	5.92e-04	-8.04e-04	-0.12	6.11e-05	4.04e-05	0.0
414	101	6.49e-04	-7.61e-04	-0.12	5.35e-05	3.59e-05	0.0
414	102	7.48e-04	-7.40e-04	-0.12	5.56e-05	3.67e-05	0.0
414	104	6.93e-04	-7.58e-04	-0.12	5.56e-05	3.67e-05	0.0
414	105	7.39e-04	-7.32e-04	-0.12	5.35e-05	3.59e-05	0.0
414	106	6.85e-04	-7.49e-04	-0.12	5.35e-05	3.59e-05	0.0
415	4	2.49e-04	-2.26e-04	-0.23	3.27e-04	-3.49e-06	0.0
415	9	5.80e-04	-2.11e-04	-0.23	3.64e-04	-3.91e-06	0.0
415	11	3.60e-04	-2.26e-04	-0.23	3.64e-04	-3.74e-06	0.0
415	36	0.03	-5.90e-03	-0.17	2.37e-04	-3.86e-05	0.0
415	40	0.01	-0.02	-0.17	2.83e-04	1.80e-05	0.0
415	42	-2.19e-03	-0.03	-0.17	2.76e-04	4.21e-05	0.0
415	68	0.02	-3.42e-03	-0.17	2.28e-04	-2.26e-05	0.0
415	72	9.14e-03	-0.01	-0.17	2.54e-04	8.28e-06	0.0
415	74	1.21e-03	-0.01	-0.17	2.50e-04	2.15e-05	0.0
415	87	4.37e-04	-1.51e-04	-0.17	2.17e-04	-2.73e-06	0.0
415	88	3.75e-04	-1.55e-04	-0.17	2.17e-04	-2.68e-06	0.0
415	92	2.39e-04	-1.69e-04	-0.17	2.42e-04	-2.68e-06	0.0
415	93	4.59e-04	-1.59e-04	-0.18	2.67e-04	-2.96e-06	0.0
415	95	3.13e-04	-1.69e-04	-0.18	2.67e-04	-2.85e-06	0.0
415	101	3.33e-04	-1.58e-04	-0.17	2.17e-04	-2.64e-06	0.0
415	102	4.42e-04	-1.53e-04	-0.17	2.27e-04	-2.77e-06	0.0
415	104	3.79e-04	-1.57e-04	-0.17	2.27e-04	-2.72e-06	0.0
415	105	4.37e-04	-1.51e-04	-0.17	2.17e-04	-2.73e-06	0.0
415	106	3.75e-04	-1.55e-04	-0.17	2.17e-04	-2.68e-06	0.0
416	1	1.81e-03	-1.65e-03	-0.25	3.47e-05	2.63e-05	-9.84e-06
416	4	-1.16e-04	-1.89e-03	-0.26	5.67e-05	2.94e-05	-1.10e-05
416	11	4.20e-04	-1.89e-03	-0.27	7.81e-05	3.21e-05	-1.11e-05
416	32	0.28	-0.16	-0.19	5.40e-04	-3.53e-05	-1.10e-04
416	35	0.27	0.03	-0.19	-6.96e-05	-3.33e-05	-6.77e-05
416	42	-3.05e-03	-0.42	-0.19	1.36e-03	2.08e-05	-2.43e-04
416	64	0.15	-0.09	-0.19	3.11e-04	-1.04e-05	-5.99e-05
416	74	-5.77e-03	-0.24	-0.19	7.72e-04	2.08e-05	-1.23e-04
416	83	0.06	0.12	-0.19	-3.80e-04	7.17e-06	-6.85e-05
416	87	1.51e-03	-1.25e-03	-0.19	2.33e-05	1.97e-05	-7.47e-06
416	88	1.13e-03	-1.29e-03	-0.19	2.34e-05	1.98e-05	-7.64e-06
416	89	1.51e-03	-1.25e-03	-0.19	2.33e-05	1.97e-05	-7.47e-06
416	92	2.29e-04	-1.41e-03	-0.20	3.79e-05	2.18e-05	-8.25e-06
416	95	5.87e-04	-1.41e-03	-0.20	5.22e-05	2.37e-05	-8.28e-06
416	100	1.51e-03	-1.25e-03	-0.19	2.33e-05	1.97e-05	-7.47e-06
416	101	8.80e-04	-1.31e-03	-0.19	2.34e-05	1.98e-05	-7.75e-06
416	104	1.12e-03	-1.30e-03	-0.19	2.91e-05	2.05e-05	-7.72e-06
416	105	1.51e-03	-1.25e-03	-0.19	2.33e-05	1.97e-05	-7.47e-06
416	106	1.13e-03	-1.29e-03	-0.19	2.34e-05	1.98e-05	-7.64e-06
417	9	1.77e-03	1.18e-03	-0.19	-3.76e-04	6.02e-05	0.0
417	11	1.61e-03	1.24e-03	-0.19	-3.76e-04	6.03e-05	0.0
417	24	0.03	-5.40e-03	-0.14	-2.10e-04	5.16e-05	0.0

417	35	0.03	7.49e-03	-0.14	-2.24e-04	3.43e-05	0.0
417	53	1.11e-03	0.03	-0.14	-2.56e-04	8.39e-06	0.0
417	56	0.01	-4.25e-03	-0.14	-2.19e-04	4.58e-05	0.0
417	67	0.02	6.18e-03	-0.14	-2.27e-04	3.58e-05	0.0
417	85	3.03e-03	0.02	-0.14	-2.45e-04	2.10e-05	0.0
417	87	1.30e-03	8.43e-04	-0.14	-2.31e-04	3.84e-05	0.0
417	88	1.26e-03	8.61e-04	-0.14	-2.31e-04	3.84e-05	0.0
417	93	1.36e-03	8.88e-04	-0.15	-2.77e-04	4.46e-05	0.0
417	95	1.25e-03	9.31e-04	-0.15	-2.77e-04	4.47e-05	0.0
417	101	1.22e-03	8.74e-04	-0.14	-2.31e-04	3.84e-05	0.0
417	102	1.31e-03	8.52e-04	-0.14	-2.40e-04	3.97e-05	0.0
417	105	1.30e-03	8.43e-04	-0.14	-2.31e-04	3.84e-05	0.0
417	106	1.26e-03	8.61e-04	-0.14	-2.31e-04	3.84e-05	0.0
418	9	9.84e-04	6.37e-04	-0.16	1.46e-04	-3.46e-05	0.0
418	11	7.82e-04	6.72e-04	-0.16	1.46e-04	-3.40e-05	0.0
418	36	0.03	-7.14e-03	-0.12	8.75e-05	-2.47e-05	0.0
418	45	-8.70e-03	0.02	-0.12	9.81e-05	-2.22e-05	0.0
418	68	0.02	-4.78e-03	-0.12	8.80e-05	-2.34e-05	0.0
418	77	-5.52e-03	0.02	-0.12	9.42e-05	-2.22e-05	0.0
418	87	7.36e-04	4.55e-04	-0.12	8.88e-05	-2.21e-05	0.0
418	88	6.78e-04	4.65e-04	-0.12	8.88e-05	-2.19e-05	0.0
418	93	7.66e-04	4.80e-04	-0.12	1.08e-04	-2.57e-05	0.0
418	95	6.31e-04	5.04e-04	-0.12	1.07e-04	-2.53e-05	0.0
418	101	6.39e-04	4.72e-04	-0.12	8.88e-05	-2.18e-05	0.0
418	102	7.42e-04	4.60e-04	-0.12	9.25e-05	-2.28e-05	0.0
418	105	7.36e-04	4.55e-04	-0.12	8.88e-05	-2.21e-05	0.0
418	106	6.78e-04	4.65e-04	-0.12	8.88e-05	-2.19e-05	0.0
419	4	-7.45e-03	7.96e-03	-0.24	-1.42e-05	-1.47e-05	-1.15e-05
419	11	-6.91e-03	7.99e-03	-0.25	-2.45e-05	-7.15e-06	-1.16e-05
419	34	-0.28	-0.06	-0.18	1.98e-04	-1.57e-04	-3.59e-05
419	52	0.11	-0.27	-0.20	7.99e-04	-1.22e-04	4.22e-05
419	53	-0.11	0.28	-0.15	-8.00e-04	1.58e-04	-5.81e-05
419	66	-0.15	-0.03	-0.18	1.17e-04	-9.18e-05	-1.87e-05
419	80	0.06	-0.16	-0.19	4.64e-04	-1.06e-04	5.14e-05
419	85	-0.07	0.17	-0.16	-4.67e-04	9.47e-05	-5.02e-05
419	88	-3.96e-03	5.54e-03	-0.18	0.0	-4.90e-06	-8.02e-06
419	92	-5.27e-03	5.96e-03	-0.18	-7.93e-06	-9.69e-06	-8.64e-06
419	95	-4.91e-03	5.99e-03	-0.19	-1.48e-05	-4.67e-06	-8.66e-06
419	101	-4.29e-03	5.62e-03	-0.18	0.0	-6.86e-06	-8.14e-06
419	104	-4.02e-03	5.60e-03	-0.18	-3.11e-06	-4.07e-06	-8.10e-06
419	106	-3.96e-03	5.54e-03	-0.18	0.0	-4.90e-06	-8.02e-06
420	4	9.55e-04	2.50e-03	-0.23	2.59e-05	-1.78e-05	9.74e-06
420	11	7.49e-04	2.49e-03	-0.23	2.57e-05	-1.60e-05	9.54e-06
420	28	0.03	2.53e-03	-0.22	1.45e-04	3.48e-05	1.88e-05
420	45	-0.01	4.79e-03	-0.10	-1.80e-04	-4.60e-05	-7.22e-06
420	48	0.01	9.27e-04	-0.26	3.16e-04	5.62e-05	1.74e-05
420	60	0.02	-1.04e-04	-0.20	9.49e-05	1.75e-05	1.56e-05
420	77	-8.25e-03	0.01	-0.12	-1.13e-04	-3.63e-05	-7.96e-06
420	80	9.15e-03	-6.07e-03	-0.23	2.07e-04	3.39e-05	2.06e-05
420	88	1.70e-04	1.66e-03	-0.17	1.75e-05	-7.83e-06	6.04e-06
420	92	5.87e-04	1.85e-03	-0.17	1.93e-05	-1.21e-05	7.11e-06
420	95	4.49e-04	1.84e-03	-0.18	1.92e-05	-1.10e-05	6.98e-06
420	101	2.81e-04	1.70e-03	-0.17	1.79e-05	-8.92e-06	6.28e-06
420	106	1.70e-04	1.66e-03	-0.17	1.75e-05	-7.83e-06	6.04e-06
421	4	-5.12e-03	3.22e-03	-0.23	1.96e-05	-3.69e-05	0.0
421	11	-4.91e-03	3.25e-03	-0.23	2.04e-05	-3.58e-05	0.0
421	29	-0.04	0.04	-0.13	-1.17e-04	-2.65e-04	-4.28e-05
421	48	0.02	-0.08	-0.22	3.25e-04	1.46e-04	8.10e-05
421	49	-0.03	0.09	-0.11	-2.99e-04	-1.88e-04	-8.19e-05
421	61	-0.03	0.03	-0.15	-6.50e-05	-1.59e-04	-2.70e-05
421	80	0.01	-0.06	-0.20	2.07e-04	7.61e-05	5.78e-05
421	81	-0.02	0.06	-0.13	-1.81e-04	-1.21e-04	-5.75e-05
421	88	-2.94e-03	2.29e-03	-0.17	1.29e-05	-2.26e-05	0.0
421	92	-3.67e-03	2.42e-03	-0.17	1.45e-05	-2.68e-05	0.0
421	95	-3.54e-03	2.45e-03	-0.18	1.51e-05	-2.61e-05	0.0
421	101	-3.11e-03	2.31e-03	-0.17	1.31e-05	-2.36e-05	0.0
421	104	-2.99e-03	2.31e-03	-0.17	1.33e-05	-2.29e-05	0.0
421	106	-2.94e-03	2.29e-03	-0.17	1.29e-05	-2.26e-05	0.0
422	9	-1.36e-03	4.73e-04	-0.14	2.51e-04	6.07e-04	0.0
422	11	-1.01e-03	5.08e-04	-0.14	2.62e-04	6.26e-04	0.0
422	37	-0.03	2.12e-03	-0.09	1.03e-04	3.53e-04	0.0
422	47	4.46e-03	3.06e-03	-0.09	-1.23e-05	3.90e-04	0.0
422	48	8.43e-03	-1.57e-03	-0.13	4.03e-04	5.37e-04	0.0
422	69	-0.01	3.81e-03	-0.09	1.36e-04	3.95e-04	0.0
422	79	1.19e-03	0.01	-0.09	6.29e-05	4.11e-04	0.0
422	80	4.88e-03	-8.94e-03	-0.12	3.18e-04	5.08e-04	0.0
422	87	-1.04e-03	3.34e-04	-0.10	1.82e-04	4.42e-04	0.0
422	88	-9.38e-04	3.44e-04	-0.10	1.85e-04	4.48e-04	0.0
422	93	-1.07e-03	3.55e-04	-0.11	1.90e-04	4.61e-04	0.0
422	95	-8.35e-04	3.78e-04	-0.11	1.97e-04	4.73e-04	0.0

422	101	-8.71e-04	3.51e-04	-0.10	1.87e-04	4.51e-04	0.0
422	102	-1.04e-03	3.38e-04	-0.10	1.84e-04	4.46e-04	0.0
422	105	-1.04e-03	3.34e-04	-0.10	1.82e-04	4.42e-04	0.0
422	106	-9.38e-04	3.44e-04	-0.10	1.85e-04	4.48e-04	0.0
423	4	7.50e-04	1.48e-03	-0.23	2.40e-04	-1.43e-05	2.03e-05
423	11	5.48e-04	1.48e-03	-0.23	2.41e-04	-1.24e-05	2.04e-05
423	28	0.03	1.65e-03	-0.21	3.09e-04	5.98e-05	2.55e-05
423	47	2.63e-03	3.80e-03	-0.09	-1.39e-04	-7.78e-05	4.90e-06
423	48	0.01	-6.51e-04	-0.25	4.76e-04	9.30e-05	2.46e-05
423	60	0.02	-1.15e-03	-0.19	2.59e-04	3.25e-05	2.30e-05
423	79	-8.70e-04	0.01	-0.12	-2.53e-05	-5.29e-05	1.93e-06
423	80	9.15e-03	-8.24e-03	-0.22	3.81e-04	5.54e-05	2.88e-05
423	87	-1.14e-04	1.02e-03	-0.17	1.66e-04	-3.50e-06	1.35e-05
423	88	4.44e-05	1.04e-03	-0.17	1.69e-04	-5.16e-06	1.39e-05
423	92	4.38e-04	1.11e-03	-0.18	1.80e-04	-9.45e-06	1.52e-05
423	95	3.03e-04	1.11e-03	-0.18	1.81e-04	-8.22e-06	1.52e-05
423	101	1.50e-04	1.06e-03	-0.17	1.71e-04	-6.26e-06	1.41e-05
423	105	-1.14e-04	1.02e-03	-0.17	1.66e-04	-3.50e-06	1.35e-05
423	106	4.44e-05	1.04e-03	-0.17	1.69e-04	-5.16e-06	1.39e-05
424	9	7.31e-04	1.99e-03	-0.20	9.98e-05	-1.68e-04	0.0
424	11	4.94e-04	2.10e-03	-0.20	1.01e-04	-1.94e-04	0.0
424	36	0.03	-0.02	-0.17	9.05e-05	-2.92e-04	-1.56e-05
424	48	0.02	-0.05	-0.19	2.54e-04	-3.93e-04	-2.57e-05
424	49	-0.02	0.05	-0.11	-1.33e-04	1.58e-04	2.61e-05
424	68	0.02	-0.01	-0.16	8.14e-05	-2.20e-04	-8.32e-06
424	80	0.01	-0.04	-0.17	1.81e-04	-2.89e-04	-1.40e-05
424	81	-0.01	0.04	-0.12	-5.92e-05	4.94e-05	1.43e-05
424	87	5.70e-04	1.42e-03	-0.15	6.05e-05	-1.12e-04	0.0
424	88	5.02e-04	1.45e-03	-0.15	6.08e-05	-1.20e-04	0.0
424	93	5.80e-04	1.50e-03	-0.15	7.32e-05	-1.24e-04	0.0
424	95	4.22e-04	1.57e-03	-0.15	7.40e-05	-1.41e-04	0.0
424	101	4.57e-04	1.47e-03	-0.15	6.11e-05	-1.25e-04	0.0
424	102	5.72e-04	1.43e-03	-0.15	6.31e-05	-1.15e-04	0.0
424	104	5.04e-04	1.46e-03	-0.15	6.34e-05	-1.22e-04	0.0
424	105	5.70e-04	1.42e-03	-0.15	6.05e-05	-1.12e-04	0.0
424	106	5.02e-04	1.45e-03	-0.15	6.08e-05	-1.20e-04	0.0
425	9	6.63e-04	1.58e-03	-0.19	3.10e-04	-2.11e-05	0.0
425	11	4.30e-04	1.68e-03	-0.19	3.11e-04	-2.89e-05	0.0
425	36	0.03	-0.01	-0.15	1.98e-04	-6.11e-05	0.0
425	47	-2.21e-03	0.04	-0.13	1.12e-04	6.36e-05	0.0
425	48	0.02	-0.04	-0.15	2.80e-04	-1.09e-04	0.0
425	68	0.02	-8.76e-03	-0.15	1.98e-04	-4.26e-05	0.0
425	79	-3.31e-03	0.03	-0.14	1.43e-04	3.32e-05	0.0
425	80	0.01	-0.03	-0.15	2.45e-04	-7.38e-05	0.0
425	87	5.18e-04	1.13e-03	-0.14	1.91e-04	-1.45e-05	0.0
425	88	4.51e-04	1.16e-03	-0.14	1.91e-04	-1.68e-05	0.0
425	93	5.28e-04	1.19e-03	-0.15	2.28e-04	-1.53e-05	0.0
425	95	3.72e-04	1.25e-03	-0.15	2.29e-04	-2.05e-05	0.0
425	101	4.07e-04	1.17e-03	-0.14	1.92e-04	-1.82e-05	0.0
425	102	5.20e-04	1.14e-03	-0.14	1.98e-04	-1.47e-05	0.0
425	104	4.53e-04	1.17e-03	-0.14	1.99e-04	-1.69e-05	0.0
425	105	5.18e-04	1.13e-03	-0.14	1.91e-04	-1.45e-05	0.0
425	106	4.51e-04	1.16e-03	-0.14	1.91e-04	-1.68e-05	0.0
426	4	-3.86e-04	8.18e-03	-0.24	2.28e-05	0.0	-5.89e-05
426	11	-2.78e-04	8.25e-03	-0.24	2.31e-05	0.0	-5.93e-05
426	35	0.04	0.03	-0.22	-6.68e-05	0.0	-3.85e-05
426	47	0.02	0.06	-0.26	-3.30e-04	0.0	-7.22e-05
426	49	5.79e-03	0.07	-0.25	-3.61e-04	0.0	-8.57e-05
426	70	-0.02	-0.01	-0.15	6.63e-05	0.0	-3.30e-05
426	79	0.02	0.05	-0.23	-1.93e-04	0.0	-8.56e-05
426	81	6.64e-03	0.05	-0.22	-2.10e-04	0.0	-9.30e-05
426	87	5.83e-05	5.36e-03	-0.17	1.51e-05	0.0	-3.95e-05
426	88	-2.39e-05	5.52e-03	-0.17	1.55e-05	0.0	-4.04e-05
426	92	-2.26e-04	6.09e-03	-0.18	1.70e-05	0.0	-4.40e-05
426	95	-1.53e-04	6.13e-03	-0.18	1.72e-05	0.0	-4.43e-05
426	101	-7.86e-05	5.62e-03	-0.18	1.58e-05	0.0	-4.11e-05
426	105	5.83e-05	5.36e-03	-0.17	1.51e-05	0.0	-3.95e-05
426	106	-2.39e-05	5.52e-03	-0.17	1.55e-05	0.0	-4.04e-05
427	9	7.08e-04	1.09e-03	-0.19	3.75e-04	6.14e-05	0.0
427	11	4.85e-04	1.16e-03	-0.19	3.76e-04	6.15e-05	0.0
427	31	0.02	6.54e-03	-0.14	2.08e-04	5.30e-05	0.0
427	36	0.03	-9.05e-03	-0.14	2.22e-04	3.65e-05	0.0
427	53	-0.02	0.03	-0.14	2.13e-04	6.62e-05	0.0
427	63	0.01	5.63e-03	-0.14	2.18e-04	4.70e-05	0.0
427	68	0.02	-6.24e-03	-0.14	2.26e-04	3.74e-05	0.0
427	85	-0.01	0.02	-0.14	2.20e-04	5.51e-05	0.0
427	87	5.45e-04	7.79e-04	-0.14	2.30e-04	3.93e-05	0.0
427	88	4.81e-04	7.97e-04	-0.14	2.30e-04	3.93e-05	0.0
427	93	5.60e-04	8.23e-04	-0.15	2.76e-04	4.55e-05	0.0
427	95	4.11e-04	8.65e-04	-0.15	2.76e-04	4.56e-05	0.0

427	101	4.39e-04	8.09e-04	-0.14	2.30e-04	3.94e-05	0.0
427	102	5.48e-04	7.88e-04	-0.14	2.39e-04	4.05e-05	0.0
427	105	5.45e-04	7.79e-04	-0.14	2.30e-04	3.93e-05	0.0
427	106	4.81e-04	7.97e-04	-0.14	2.30e-04	3.93e-05	0.0
428	4	-7.48e-03	9.26e-03	-0.26	-1.41e-05	-8.57e-05	-1.14e-05
428	11	-6.94e-03	9.29e-03	-0.26	-2.30e-05	-7.13e-05	-1.14e-05
428	34	-0.28	-0.05	-0.19	1.85e-04	-3.92e-06	-3.53e-05
428	48	0.11	-0.27	-0.25	7.62e-04	-4.87e-04	7.24e-05
428	53	-0.11	0.28	-0.12	-7.69e-04	3.92e-04	-5.72e-05
428	66	-0.15	-0.03	-0.19	1.09e-04	-3.15e-05	-1.83e-05
428	80	0.06	-0.16	-0.23	4.44e-04	-3.14e-04	5.09e-05
428	85	-0.07	0.18	-0.15	-4.48e-04	2.16e-04	-4.98e-05
428	88	-3.99e-03	6.45e-03	-0.19	0.0	-4.81e-05	-7.92e-06
428	92	-5.29e-03	6.94e-03	-0.19	-8.02e-06	-6.13e-05	-8.53e-06
428	95	-4.93e-03	6.96e-03	-0.20	-1.40e-05	-5.47e-05	-8.52e-06
428	101	-4.32e-03	6.54e-03	-0.19	0.0	-5.21e-05	-8.04e-06
428	104	-4.04e-03	6.51e-03	-0.19	-3.21e-06	-4.79e-05	-7.99e-06
428	106	-3.99e-03	6.45e-03	-0.19	0.0	-4.81e-05	-7.92e-06
429	9	-8.86e-04	8.91e-04	-0.17	4.61e-04	3.49e-04	0.0
429	11	-4.73e-04	9.48e-04	-0.18	4.80e-04	3.58e-04	0.0
429	37	-0.03	2.46e-03	-0.10	2.12e-04	1.75e-04	0.0
429	47	3.50e-03	3.40e-03	-0.09	5.07e-05	1.75e-04	0.0
429	48	0.01	-1.20e-03	-0.18	6.56e-04	3.61e-04	0.0
429	69	-0.01	4.13e-03	-0.11	2.64e-04	2.10e-04	0.0
429	79	1.55e-04	0.01	-0.10	1.60e-04	2.03e-04	0.0
429	80	6.69e-03	-8.63e-03	-0.16	5.36e-04	3.29e-04	0.0
429	87	-7.12e-04	6.38e-04	-0.13	3.34e-04	2.55e-04	0.0
429	88	-5.94e-04	6.55e-04	-0.13	3.40e-04	2.57e-04	0.0
429	93	-7.17e-04	6.71e-04	-0.13	3.49e-04	2.65e-04	0.0
429	95	-4.41e-04	7.09e-04	-0.13	3.62e-04	2.71e-04	0.0
429	101	-5.15e-04	6.65e-04	-0.13	3.43e-04	2.59e-04	0.0
429	102	-7.13e-04	6.45e-04	-0.13	3.37e-04	2.57e-04	0.0
429	105	-7.12e-04	6.38e-04	-0.13	3.34e-04	2.55e-04	0.0
429	106	-5.94e-04	6.55e-04	-0.13	3.40e-04	2.57e-04	0.0
430	4	-1.61e-03	5.79e-03	-0.24	3.06e-05	-1.60e-05	-8.60e-06
430	11	-1.34e-03	5.82e-03	-0.24	3.13e-05	-1.38e-05	-8.69e-06
430	35	0.04	0.04	-0.22	-7.11e-05	7.44e-06	-1.14e-05
430	47	0.03	0.09	-0.26	-3.58e-04	6.93e-05	-6.72e-05
430	49	0.01	0.10	-0.25	-3.89e-04	7.55e-05	-8.44e-05
430	70	-0.02	-0.02	-0.15	7.36e-05	-1.61e-05	4.00e-06
430	79	0.02	0.07	-0.23	-1.94e-04	4.06e-05	-6.23e-05
430	81	9.53e-03	0.07	-0.22	-2.11e-04	4.38e-05	-7.18e-05
430	88	-5.04e-04	3.97e-03	-0.18	2.10e-05	-6.49e-06	-5.87e-06
430	92	-1.05e-03	4.32e-03	-0.18	2.28e-05	-1.08e-05	-6.42e-06
430	95	-8.69e-04	4.35e-03	-0.18	2.33e-05	-9.35e-06	-6.48e-06
430	101	-6.48e-04	4.04e-03	-0.18	2.13e-05	-7.63e-06	-5.97e-06
430	106	-5.04e-04	3.97e-03	-0.18	2.10e-05	-6.49e-06	-5.87e-06
431	9	9.85e-04	9.32e-04	-0.16	1.91e-04	-1.27e-05	0.0
431	11	7.80e-04	9.85e-04	-0.16	1.91e-04	-1.19e-05	0.0
431	36	0.03	-8.21e-03	-0.13	1.25e-04	-6.69e-06	0.0
431	43	6.09e-03	0.02	-0.13	1.26e-04	-6.14e-06	0.0
431	53	-0.01	0.03	-0.13	1.20e-04	-6.83e-06	0.0
431	68	0.02	-5.62e-03	-0.12	1.22e-04	-7.15e-06	0.0
431	75	2.56e-03	0.02	-0.13	1.23e-04	-6.89e-06	0.0
431	85	-7.26e-03	0.02	-0.13	1.20e-04	-7.25e-06	0.0
431	87	7.40e-04	6.65e-04	-0.12	1.18e-04	-7.97e-06	0.0
431	88	6.81e-04	6.81e-04	-0.12	1.18e-04	-7.74e-06	0.0
431	93	7.68e-04	7.02e-04	-0.13	1.41e-04	-9.44e-06	0.0
431	95	6.31e-04	7.37e-04	-0.13	1.41e-04	-8.90e-06	0.0
431	101	6.42e-04	6.91e-04	-0.12	1.18e-04	-7.58e-06	0.0
431	102	7.45e-04	6.73e-04	-0.13	1.22e-04	-8.26e-06	0.0
431	105	7.40e-04	6.65e-04	-0.12	1.18e-04	-7.97e-06	0.0
431	106	6.81e-04	6.81e-04	-0.12	1.18e-04	-7.74e-06	0.0
432	9	2.33e-03	9.18e-03	-0.27	-2.00e-05	-8.91e-05	-1.27e-05
432	11	1.01e-03	9.68e-03	-0.27	-2.08e-05	-1.12e-04	-1.34e-05
432	32	0.28	-0.08	-0.19	1.48e-04	-1.30e-04	-1.11e-04
432	47	0.09	0.28	-0.25	-7.91e-04	-4.97e-04	-5.01e-05
432	53	-0.06	0.28	-0.25	-7.73e-04	-4.15e-04	-5.84e-05
432	64	0.15	-0.05	-0.19	7.53e-05	-9.81e-05	-6.10e-05
432	79	0.05	0.17	-0.23	-4.74e-04	-3.30e-04	-4.65e-05
432	85	-0.03	0.18	-0.23	-4.64e-04	-2.84e-04	-5.10e-05
432	87	1.89e-03	6.55e-03	-0.19	-2.95e-05	-6.67e-05	-8.98e-06
432	88	1.51e-03	6.70e-03	-0.19	-2.97e-05	-7.32e-05	-9.18e-06
432	93	1.90e-03	6.92e-03	-0.20	-1.83e-05	-6.66e-05	-9.54e-06
432	95	1.03e-03	7.25e-03	-0.20	-1.89e-05	-8.17e-05	-1.00e-05
432	101	1.26e-03	6.79e-03	-0.19	-2.99e-05	-7.75e-05	-9.32e-06
432	102	1.89e-03	6.62e-03	-0.19	-2.73e-05	-6.66e-05	-9.09e-06
432	104	1.51e-03	6.77e-03	-0.19	-2.75e-05	-7.31e-05	-9.29e-06
432	105	1.89e-03	6.55e-03	-0.19	-2.95e-05	-6.67e-05	-8.98e-06
432	106	1.51e-03	6.70e-03	-0.19	-2.97e-05	-7.32e-05	-9.18e-06

433	11	-1.94e-03	0.01	-0.23	-3.13e-05	8.24e-05	-3.38e-06
433	18	-2.14e-03	0.01	-0.22	-3.06e-05	8.23e-05	-3.42e-06
433	34	-0.04	-0.04	-0.20	5.99e-06	-7.69e-05	1.52e-05
433	49	-0.01	0.20	-0.13	-4.78e-04	-2.94e-05	-5.77e-05
433	54	-0.01	-0.17	-0.21	3.94e-04	6.66e-05	4.91e-05
433	66	-0.02	-0.03	-0.18	6.30e-06	-7.64e-06	1.16e-05
433	81	-5.57e-03	0.14	-0.14	-3.11e-04	8.67e-06	-4.10e-05
433	86	-8.86e-03	-0.12	-0.19	2.47e-04	6.96e-05	3.52e-05
433	88	-1.33e-03	0.01	-0.16	-2.06e-05	6.13e-05	-2.27e-06
433	95	-1.44e-03	0.01	-0.17	-2.32e-05	6.27e-05	-2.50e-06
433	99	-1.57e-03	0.01	-0.17	-2.28e-05	6.26e-05	-2.52e-06
433	101	-1.38e-03	0.01	-0.16	-2.10e-05	6.19e-05	-2.36e-06
433	106	-1.33e-03	0.01	-0.16	-2.06e-05	6.13e-05	-2.27e-06
434	4	-7.68e-03	0.02	-0.25	1.01e-04	-2.08e-04	-1.45e-05
434	11	-7.13e-03	0.02	-0.25	1.03e-04	-2.24e-04	-1.46e-05
434	34	-0.27	-0.07	-0.18	2.87e-04	-5.26e-04	5.95e-05
434	48	0.11	-0.30	-0.25	7.98e-04	8.97e-05	9.23e-05
434	49	-0.11	0.32	-0.10	-6.67e-04	-3.69e-04	-1.12e-04
434	66	-0.15	-0.04	-0.18	2.01e-04	-3.51e-04	3.30e-05
434	80	0.06	-0.19	-0.23	5.00e-04	-8.63e-06	6.12e-05
434	81	-0.07	0.21	-0.13	-3.49e-04	-2.72e-04	-8.13e-05
434	88	-4.13e-03	0.01	-0.18	7.54e-05	-1.40e-04	-1.00e-05
434	92	-5.44e-03	0.01	-0.19	7.72e-05	-1.54e-04	-1.08e-05
434	95	-5.08e-03	0.01	-0.19	7.85e-05	-1.65e-04	-1.09e-05
434	101	-4.47e-03	0.01	-0.18	7.55e-05	-1.41e-04	-1.02e-05
434	106	-4.13e-03	0.01	-0.18	7.54e-05	-1.40e-04	-1.00e-05
435	4	7.23e-04	-1.45e-03	-0.21	3.09e-04	2.20e-04	0.0
435	9	1.03e-03	-1.35e-03	-0.22	3.27e-04	2.41e-04	0.0
435	36	0.03	-5.18e-03	-0.17	2.83e-04	2.64e-04	0.0
435	39	6.24e-03	0.04	-0.19	3.47e-04	3.48e-04	0.0
435	42	-4.53e-03	-0.05	-0.12	9.72e-05	-4.38e-05	0.0
435	68	0.01	-2.07e-03	-0.17	2.56e-04	2.14e-04	0.0
435	71	2.92e-03	0.02	-0.18	2.90e-04	2.59e-04	0.0
435	74	-1.53e-03	-0.02	-0.14	1.54e-04	4.53e-05	0.0
435	87	7.50e-04	-9.82e-04	-0.16	2.22e-04	1.52e-04	0.0
435	88	6.95e-04	-1.01e-03	-0.16	2.22e-04	1.52e-04	0.0
435	92	5.92e-04	-1.09e-03	-0.16	2.33e-04	1.65e-04	0.0
435	93	7.95e-04	-1.02e-03	-0.16	2.45e-04	1.78e-04	0.0
435	101	6.59e-04	-1.03e-03	-0.16	2.22e-04	1.52e-04	0.0
435	102	7.59e-04	-9.89e-04	-0.16	2.27e-04	1.57e-04	0.0
435	105	7.50e-04	-9.82e-04	-0.16	2.22e-04	1.52e-04	0.0
435	106	6.95e-04	-1.01e-03	-0.16	2.22e-04	1.52e-04	0.0
436	4	-2.51e-04	2.05e-03	-0.23	3.41e-05	2.26e-04	-6.28e-06
436	9	-8.61e-04	1.87e-03	-0.22	3.22e-05	2.24e-04	-6.79e-06
436	11	-4.34e-04	2.05e-03	-0.23	3.42e-05	2.29e-04	-6.52e-06
436	37	-0.03	2.95e-03	-0.13	-8.42e-05	8.86e-05	-1.69e-05
436	45	-0.01	4.70e-03	-0.12	-1.73e-04	9.02e-05	-2.11e-05
436	48	0.01	4.04e-04	-0.23	3.24e-04	2.68e-04	1.41e-05
436	69	-0.01	4.48e-03	-0.14	-4.22e-05	1.21e-04	-1.35e-05
436	77	-7.33e-03	0.01	-0.14	-1.07e-04	1.16e-04	-2.11e-05
436	80	6.62e-03	-6.51e-03	-0.20	2.11e-04	2.31e-04	1.30e-05
436	87	-7.00e-04	1.31e-03	-0.16	2.29e-05	1.63e-04	-5.04e-06
436	88	-5.78e-04	1.36e-03	-0.17	2.35e-05	1.64e-04	-4.96e-06
436	92	-2.93e-04	1.52e-03	-0.17	2.55e-05	1.71e-04	-4.86e-06
436	93	-7.00e-04	1.40e-03	-0.17	2.42e-05	1.70e-04	-5.20e-06
436	95	-4.15e-04	1.52e-03	-0.17	2.56e-05	1.73e-04	-5.02e-06
436	101	-4.97e-04	1.39e-03	-0.17	2.39e-05	1.65e-04	-4.91e-06
436	102	-7.00e-04	1.32e-03	-0.16	2.32e-05	1.64e-04	-5.07e-06
436	105	-7.00e-04	1.31e-03	-0.16	2.29e-05	1.63e-04	-5.04e-06
436	106	-5.78e-04	1.36e-03	-0.17	2.35e-05	1.64e-04	-4.96e-06
437	9	-9.74e-04	9.30e-04	-0.23	5.43e-04	-1.34e-05	0.0
437	11	-6.66e-04	9.40e-04	-0.24	5.70e-04	-1.71e-05	0.0
437	29	-0.03	8.98e-03	-0.15	2.34e-04	-5.47e-05	-1.83e-05
437	48	0.02	-9.27e-03	-0.23	7.03e-04	4.34e-05	2.68e-05
437	49	-0.02	0.01	-0.12	2.97e-05	-6.22e-05	-2.53e-05
437	61	-0.02	8.64e-03	-0.16	2.99e-04	-3.56e-05	-1.19e-05
437	80	0.01	-0.02	-0.20	6.31e-04	2.27e-05	2.26e-05
437	81	-0.01	0.02	-0.14	1.66e-04	-4.26e-05	-2.15e-05
437	87	-7.59e-04	7.05e-04	-0.17	3.91e-04	-8.89e-06	0.0
437	88	-6.71e-04	7.08e-04	-0.17	3.99e-04	-9.95e-06	0.0
437	93	-7.72e-04	7.13e-04	-0.18	4.10e-04	-9.76e-06	0.0
437	95	-5.67e-04	7.19e-04	-0.18	4.28e-04	-1.22e-05	0.0
437	101	-6.12e-04	7.10e-04	-0.17	4.04e-04	-1.07e-05	0.0
437	102	-7.62e-04	7.07e-04	-0.17	3.95e-04	-9.06e-06	0.0
437	105	-7.59e-04	7.05e-04	-0.17	3.91e-04	-8.89e-06	0.0
437	106	-6.71e-04	7.08e-04	-0.17	3.99e-04	-9.95e-06	0.0
438	4	3.82e-04	8.98e-03	-0.24	-1.60e-05	0.0	-8.35e-05
438	11	3.39e-04	9.05e-03	-0.24	-1.62e-05	0.0	-8.40e-05
438	35	0.03	0.02	-0.22	-1.23e-04	0.0	-7.57e-05
438	47	0.02	0.04	-0.26	-2.81e-04	0.0	-7.31e-05

438	67	0.02	0.02	-0.20	-8.49e-05	0.0	-7.43e-05
438	79	0.01	0.04	-0.23	-2.03e-04	0.0	-8.91e-05
438	88	1.61e-04	6.11e-03	-0.17	-9.43e-06	0.0	-5.79e-05
438	92	2.59e-04	6.69e-03	-0.18	-1.15e-05	0.0	-6.25e-05
438	95	2.30e-04	6.74e-03	-0.18	-1.16e-05	0.0	-6.29e-05
438	101	1.86e-04	6.22e-03	-0.18	-9.82e-06	0.0	-5.87e-05
438	106	1.61e-04	6.11e-03	-0.17	-9.43e-06	0.0	-5.79e-05
439	3	8.92e-04	-3.01e-05	-0.15	0.0	6.69e-06	0.0
439	9	1.22e-03	-2.92e-05	-0.15	0.0	8.11e-06	0.0
439	11	1.04e-03	-3.23e-05	-0.15	0.0	8.05e-06	0.0
439	33	-0.02	9.28e-03	-0.12	4.31e-06	4.29e-06	0.0
439	36	0.03	-5.93e-03	-0.12	-3.14e-06	5.89e-06	0.0
439	42	-5.00e-03	-0.02	-0.12	-1.14e-05	4.90e-06	0.0
439	65	-0.01	5.50e-03	-0.12	2.43e-06	4.65e-06	0.0
439	68	0.01	-3.60e-03	-0.12	-1.79e-06	5.53e-06	0.0
439	74	-2.43e-03	-0.01	-0.12	-6.47e-06	4.98e-06	0.0
439	87	8.98e-04	-1.91e-05	-0.12	0.0	5.10e-06	0.0
439	88	8.45e-04	-2.00e-05	-0.12	0.0	5.09e-06	0.0
439	91	7.23e-04	-2.21e-05	-0.12	0.0	5.05e-06	0.0
439	93	9.43e-04	-2.15e-05	-0.12	0.0	6.00e-06	0.0
439	95	8.21e-04	-2.36e-05	-0.12	0.0	5.96e-06	0.0
439	101	8.10e-04	-2.06e-05	-0.12	0.0	5.08e-06	0.0
439	102	9.07e-04	-1.96e-05	-0.12	0.0	5.28e-06	0.0
439	105	8.98e-04	-1.91e-05	-0.12	0.0	5.10e-06	0.0
439	106	8.45e-04	-2.00e-05	-0.12	0.0	5.09e-06	0.0
440	11	-3.80e-03	4.71e-03	-0.25	-7.14e-05	2.92e-06	-8.64e-06
440	18	-3.85e-03	4.62e-03	-0.24	-7.02e-05	1.66e-06	-7.56e-06
440	29	-0.04	0.08	-0.19	-3.25e-04	-1.10e-05	-4.90e-05
440	49	-0.03	0.14	-0.14	-6.17e-04	1.51e-06	-4.72e-05
440	54	3.51e-03	-0.13	-0.23	4.70e-04	-5.79e-06	3.99e-05
440	61	-0.02	0.05	-0.18	-2.14e-04	-4.08e-06	-3.11e-05
440	81	-0.02	0.11	-0.15	-4.06e-04	3.72e-06	-3.78e-05
440	86	3.63e-03	-0.10	-0.21	2.79e-04	-3.17e-06	1.96e-05
440	88	-2.61e-03	3.19e-03	-0.17	-4.91e-05	2.53e-06	-3.76e-06
440	95	-2.83e-03	3.52e-03	-0.19	-5.34e-05	2.35e-06	-5.95e-06
440	99	-2.87e-03	3.45e-03	-0.18	-5.27e-05	1.51e-06	-5.23e-06
440	101	-2.67e-03	3.24e-03	-0.18	-4.98e-05	2.41e-06	-3.96e-06
440	106	-2.61e-03	3.19e-03	-0.17	-4.91e-05	2.53e-06	-3.76e-06
441	11	-3.70e-03	1.57e-03	-0.25	-1.08e-04	0.0	-4.97e-05
441	15	-3.38e-03	1.66e-03	-0.23	-9.60e-05	0.0	-4.30e-05
441	18	-3.75e-03	1.58e-03	-0.24	-1.06e-04	0.0	-4.87e-05
441	29	-0.04	0.07	-0.19	-3.30e-04	0.0	-7.08e-05
441	49	-0.03	0.13	-0.14	-6.01e-04	0.0	-9.34e-05
441	54	3.56e-03	-0.12	-0.22	4.26e-04	0.0	5.33e-05
441	61	-0.02	0.05	-0.18	-2.28e-04	0.0	-5.65e-05
441	81	-0.02	0.10	-0.15	-4.11e-04	0.0	-7.68e-05
441	86	3.71e-03	-0.10	-0.21	2.38e-04	0.0	9.45e-06
441	87	-2.46e-03	1.28e-03	-0.17	-7.15e-05	0.0	-3.18e-05
441	88	-2.54e-03	1.26e-03	-0.18	-7.34e-05	0.0	-3.29e-05
441	95	-2.76e-03	1.23e-03	-0.19	-8.06e-05	0.0	-3.69e-05
441	96	-2.55e-03	1.28e-03	-0.17	-7.25e-05	0.0	-3.24e-05
441	99	-2.79e-03	1.23e-03	-0.18	-7.94e-05	0.0	-3.62e-05
441	100	-2.46e-03	1.28e-03	-0.17	-7.15e-05	0.0	-3.18e-05
441	101	-2.59e-03	1.24e-03	-0.18	-7.47e-05	0.0	-3.36e-05
441	105	-2.46e-03	1.28e-03	-0.17	-7.15e-05	0.0	-3.18e-05
441	106	-2.54e-03	1.26e-03	-0.18	-7.34e-05	0.0	-3.29e-05
442	4	-3.49e-03	-4.16e-03	-0.25	-1.57e-04	0.0	-4.89e-05
442	11	-3.46e-03	-4.15e-03	-0.25	-1.58e-04	0.0	-4.91e-05
442	18	-3.50e-03	-4.05e-03	-0.24	-1.55e-04	0.0	-4.84e-05
442	29	-0.04	0.06	-0.19	-3.69e-04	0.0	-7.61e-05
442	49	-0.03	0.12	-0.14	-6.49e-04	0.0	-1.02e-04
442	54	3.59e-03	-0.12	-0.22	4.19e-04	0.0	3.62e-05
442	61	-0.02	0.04	-0.18	-2.66e-04	0.0	-5.95e-05
442	80	0.01	-0.10	-0.20	2.42e-04	0.0	1.40e-05
442	86	3.86e-03	-0.09	-0.20	2.15e-04	0.0	8.14e-06
442	88	-2.36e-03	-2.61e-03	-0.17	-1.08e-04	0.0	-3.36e-05
442	92	-2.60e-03	-3.04e-03	-0.19	-1.17e-04	0.0	-3.66e-05
442	95	-2.58e-03	-3.04e-03	-0.19	-1.18e-04	0.0	-3.67e-05
442	99	-2.61e-03	-2.97e-03	-0.18	-1.16e-04	0.0	-3.62e-05
442	101	-2.41e-03	-2.70e-03	-0.18	-1.09e-04	0.0	-3.42e-05
442	106	-2.36e-03	-2.61e-03	-0.17	-1.08e-04	0.0	-3.36e-05
443	11	-3.26e-03	-8.40e-03	-0.25	-1.85e-04	0.0	-2.86e-05
443	18	-3.31e-03	-8.24e-03	-0.24	-1.82e-04	0.0	-2.84e-05
443	29	-0.04	0.06	-0.18	-3.93e-04	0.0	-5.98e-05
443	48	0.02	-0.12	-0.21	4.67e-04	0.0	4.62e-05
443	54	3.86e-03	-0.11	-0.22	4.17e-04	0.0	4.31e-05
443	61	-0.02	0.04	-0.18	-2.89e-04	0.0	-4.41e-05
443	80	0.01	-0.10	-0.20	2.32e-04	0.0	2.43e-05
443	86	4.13e-03	-0.09	-0.20	2.04e-04	0.0	2.27e-05
443	88	-2.22e-03	-5.54e-03	-0.18	-1.27e-04	0.0	-2.00e-05

443	95	-2.43e-03	-6.22e-03	-0.19	-1.38e-04	0.0	-2.15e-05
443	99	-2.46e-03	-6.11e-03	-0.18	-1.36e-04	0.0	-2.13e-05
443	101	-2.27e-03	-5.68e-03	-0.18	-1.29e-04	0.0	-2.02e-05
443	106	-2.22e-03	-5.54e-03	-0.18	-1.27e-04	0.0	-2.00e-05
444	4	-3.27e-03	-0.01	-0.25	-1.94e-04	-6.69e-06	-1.58e-05
444	11	-3.23e-03	-0.01	-0.25	-1.95e-04	-5.71e-06	-1.59e-05
444	29	-0.04	0.05	-0.18	-3.95e-04	-5.12e-05	-4.73e-05
444	48	0.02	-0.11	-0.21	4.55e-04	2.59e-05	4.62e-05
444	54	4.18e-03	-0.11	-0.22	4.07e-04	0.0	4.35e-05
444	61	-0.02	0.03	-0.18	-2.94e-04	-2.97e-05	-3.34e-05
444	80	0.01	-0.09	-0.20	2.23e-04	1.30e-05	2.93e-05
444	86	4.38e-03	-0.09	-0.20	1.97e-04	-1.25e-06	2.79e-05
444	88	-2.18e-03	-7.15e-03	-0.18	-1.33e-04	-3.23e-06	-1.11e-05
444	92	-2.43e-03	-7.93e-03	-0.19	-1.45e-04	-4.65e-06	-1.19e-05
444	95	-2.40e-03	-7.94e-03	-0.19	-1.45e-04	-3.99e-06	-1.19e-05
444	101	-2.23e-03	-7.30e-03	-0.18	-1.36e-04	-3.65e-06	-1.12e-05
444	106	-2.18e-03	-7.15e-03	-0.18	-1.33e-04	-3.23e-06	-1.11e-05
445	4	-3.22e-03	-0.01	-0.25	-1.95e-04	0.0	-7.97e-06
445	11	-3.17e-03	-0.01	-0.25	-1.95e-04	0.0	-8.10e-06
445	29	-0.04	0.05	-0.17	-3.88e-04	0.0	0.0
445	48	0.02	-0.11	-0.21	4.45e-04	0.0	4.10e-05
445	50	4.31e-03	-0.09	-0.22	3.84e-04	0.0	5.30e-05
445	61	-0.02	0.03	-0.17	-2.90e-04	0.0	-5.50e-06
445	80	0.02	-0.09	-0.20	2.17e-04	0.0	2.83e-05
445	82	4.55e-03	-0.08	-0.20	1.83e-04	0.0	3.50e-05
445	88	-2.13e-03	-7.98e-03	-0.17	-1.34e-04	0.0	-5.50e-06
445	92	-2.39e-03	-8.84e-03	-0.19	-1.45e-04	0.0	-5.96e-06
445	95	-2.35e-03	-8.85e-03	-0.19	-1.46e-04	0.0	-6.05e-06
445	101	-2.19e-03	-8.15e-03	-0.18	-1.36e-04	0.0	-5.57e-06
445	106	-2.13e-03	-7.98e-03	-0.17	-1.34e-04	0.0	-5.50e-06
446	4	-3.14e-03	-0.01	-0.25	-1.92e-04	0.0	-2.48e-06
446	11	-3.08e-03	-0.01	-0.25	-1.93e-04	0.0	-2.56e-06
446	29	-0.04	0.04	-0.17	-3.77e-04	0.0	2.15e-06
446	48	0.02	-0.10	-0.22	4.32e-04	0.0	4.14e-05
446	50	4.72e-03	-0.09	-0.22	3.74e-04	0.0	5.33e-05
446	61	-0.02	0.03	-0.17	-2.83e-04	0.0	-2.34e-06
446	80	0.02	-0.09	-0.20	2.09e-04	0.0	3.26e-05
446	82	4.89e-03	-0.08	-0.20	1.77e-04	0.0	3.93e-05
446	88	-2.05e-03	-8.34e-03	-0.17	-1.32e-04	0.0	-2.03e-06
446	92	-2.32e-03	-9.21e-03	-0.18	-1.43e-04	0.0	-1.94e-06
446	95	-2.28e-03	-9.24e-03	-0.19	-1.44e-04	0.0	-1.99e-06
446	101	-2.11e-03	-8.51e-03	-0.18	-1.34e-04	0.0	-2.00e-06
446	106	-2.05e-03	-8.34e-03	-0.17	-1.32e-04	0.0	-2.03e-06
447	4	-3.14e-03	-0.01	-0.24	-1.89e-04	-1.27e-05	-5.49e-06
447	11	-3.08e-03	-0.01	-0.24	-1.90e-04	-1.17e-05	-5.61e-06
447	29	-0.04	0.04	-0.17	-3.65e-04	-5.88e-05	1.01e-06
447	48	0.02	-0.10	-0.22	4.13e-04	4.49e-05	3.75e-05
447	50	5.06e-03	-0.08	-0.22	3.59e-04	4.95e-05	4.95e-05
447	61	-0.02	0.02	-0.17	-2.75e-04	-3.63e-05	-4.25e-06
447	80	0.02	-0.08	-0.20	1.98e-04	2.46e-05	3.02e-05
447	82	5.15e-03	-0.07	-0.20	1.68e-04	1.12e-05	3.68e-05
447	88	-2.04e-03	-8.65e-03	-0.17	-1.31e-04	-6.60e-06	-4.08e-06
447	92	-2.32e-03	-9.52e-03	-0.18	-1.42e-04	-8.96e-06	-4.18e-06
447	95	-2.27e-03	-9.55e-03	-0.18	-1.42e-04	-8.29e-06	-4.27e-06
447	101	-2.10e-03	-8.82e-03	-0.18	-1.33e-04	-7.21e-06	-4.09e-06
447	106	-2.04e-03	-8.65e-03	-0.17	-1.31e-04	-6.60e-06	-4.08e-06
448	11	0.01	1.85e-03	-0.23	0.0	-2.85e-05	-3.81e-05
448	36	0.04	-9.19e-03	-0.19	0.0	-3.15e-05	0.0
448	48	0.02	-0.03	-0.20	0.0	-2.93e-06	3.05e-05
448	49	-4.73e-03	0.03	-0.13	0.0	-3.49e-05	-8.35e-05
448	68	0.02	-7.30e-03	-0.18	0.0	-2.46e-05	-9.08e-06
448	80	0.02	-0.02	-0.19	0.0	-8.66e-06	1.47e-05
448	81	2.55e-04	0.03	-0.14	0.0	-3.09e-05	-6.81e-05
448	88	8.82e-03	1.26e-03	-0.17	0.0	-1.98e-05	-2.67e-05
448	95	9.58e-03	1.38e-03	-0.17	0.0	-2.12e-05	-2.86e-05
448	101	8.94e-03	1.28e-03	-0.17	0.0	-2.05e-05	-2.69e-05
448	106	8.82e-03	1.26e-03	-0.17	0.0	-1.98e-05	-2.67e-05
449	4	-3.13e-03	-0.01	-0.24	-1.79e-04	0.0	6.23e-06
449	11	-3.06e-03	-0.01	-0.24	-1.80e-04	0.0	6.11e-06
449	29	-0.04	0.03	-0.14	-3.30e-04	0.0	-2.95e-05
449	48	0.02	-0.09	-0.23	3.71e-04	0.0	5.32e-05
449	61	-0.02	0.02	-0.16	-2.51e-04	0.0	-1.76e-05
449	80	0.02	-0.07	-0.21	1.71e-04	0.0	4.38e-05
449	88	-1.98e-03	-8.72e-03	-0.17	-1.24e-04	0.0	4.10e-06
449	92	-2.29e-03	-9.59e-03	-0.18	-1.34e-04	0.0	4.61e-06
449	95	-2.25e-03	-9.64e-03	-0.18	-1.35e-04	0.0	4.53e-06
449	101	-2.05e-03	-8.89e-03	-0.17	-1.26e-04	0.0	4.21e-06
449	106	-1.98e-03	-8.72e-03	-0.17	-1.24e-04	0.0	4.10e-06
450	4	-3.02e-03	-0.01	-0.24	-1.60e-04	0.0	2.22e-05
450	11	-2.94e-03	-0.01	-0.24	-1.61e-04	0.0	2.22e-05

450	29	-0.04	0.03	-0.14	-3.00e-04	0.0	-2.05e-05
450	48	0.02	-0.08	-0.24	3.49e-04	0.0	6.70e-05
450	61	-0.02	0.02	-0.15	-2.27e-04	0.0	-7.94e-06
450	80	0.02	-0.07	-0.21	1.62e-04	0.0	5.99e-05
450	88	-1.88e-03	-7.68e-03	-0.17	-1.11e-04	0.0	1.52e-05
450	92	-2.20e-03	-8.44e-03	-0.18	-1.20e-04	0.0	1.66e-05
450	95	-2.15e-03	-8.50e-03	-0.18	-1.21e-04	0.0	1.66e-05
450	101	-1.95e-03	-7.82e-03	-0.17	-1.13e-04	0.0	1.55e-05
450	106	-1.88e-03	-7.68e-03	-0.17	-1.11e-04	0.0	1.52e-05
451	4	-2.90e-03	-8.12e-03	-0.24	-1.29e-04	-1.90e-05	3.53e-05
451	11	-2.81e-03	-8.19e-03	-0.24	-1.30e-04	-1.75e-05	3.55e-05
451	29	-0.04	0.03	-0.13	-2.58e-04	-6.89e-05	-1.41e-05
451	48	0.02	-0.07	-0.25	3.24e-04	7.03e-05	7.80e-05
451	61	-0.02	0.02	-0.15	-1.93e-04	-4.42e-05	0.0
451	80	0.02	-0.06	-0.22	1.56e-04	4.05e-05	7.30e-05
451	88	-1.78e-03	-5.48e-03	-0.17	-8.91e-05	-9.53e-06	2.45e-05
451	92	-2.11e-03	-6.04e-03	-0.18	-9.63e-05	-1.33e-05	2.64e-05
451	95	-2.05e-03	-6.09e-03	-0.18	-9.69e-05	-1.23e-05	2.66e-05
451	101	-1.85e-03	-5.58e-03	-0.17	-9.04e-05	-1.05e-05	2.48e-05
451	106	-1.78e-03	-5.48e-03	-0.17	-8.91e-05	-9.53e-06	2.45e-05
452	4	-7.30e-03	1.58e-03	-0.33	-8.46e-05	-1.72e-04	-1.14e-05
452	9	-5.05e-03	1.51e-03	-0.35	-1.10e-04	-1.88e-04	-1.08e-05
452	11	-6.78e-03	1.58e-03	-0.35	-1.10e-04	-1.87e-04	-1.14e-05
452	34	-0.28	-0.07	-0.25	1.95e-04	-7.19e-06	-3.55e-05
452	39	0.14	0.36	-0.23	-1.19e-03	-1.78e-04	2.33e-04
452	46	-0.15	-0.33	-0.25	1.04e-03	-6.01e-05	-2.17e-04
452	66	-0.16	-0.04	-0.24	9.43e-05	-5.87e-05	-1.86e-05
452	71	0.07	0.21	-0.24	-6.93e-04	-1.51e-04	1.10e-04
452	78	-0.08	-0.19	-0.24	5.73e-04	-8.73e-05	-1.08e-04
452	87	-3.36e-03	1.09e-03	-0.24	-4.09e-05	-1.20e-04	-7.70e-06
452	88	-3.85e-03	1.11e-03	-0.24	-4.10e-05	-1.19e-04	-7.88e-06
452	92	-5.15e-03	1.19e-03	-0.25	-5.83e-05	-1.29e-04	-8.50e-06
452	93	-3.66e-03	1.14e-03	-0.26	-7.52e-05	-1.40e-04	-8.14e-06
452	95	-4.81e-03	1.19e-03	-0.26	-7.54e-05	-1.39e-04	-8.54e-06
452	101	-4.18e-03	1.13e-03	-0.24	-4.10e-05	-1.19e-04	-7.99e-06
452	102	-3.42e-03	1.10e-03	-0.24	-4.77e-05	-1.24e-04	-7.79e-06
452	105	-3.36e-03	1.09e-03	-0.24	-4.09e-05	-1.20e-04	-7.70e-06
452	106	-3.85e-03	1.11e-03	-0.24	-4.10e-05	-1.19e-04	-7.88e-06
453	4	-4.97e-03	-9.50e-03	-0.23	-1.30e-04	-5.86e-04	0.0
453	11	-4.47e-03	-9.56e-03	-0.23	-1.33e-04	-6.42e-04	0.0
453	16	-2.99e-03	-8.89e-03	-0.23	-1.44e-04	-5.78e-04	0.0
453	31	0.26	0.08	-0.22	-6.87e-05	1.54e-04	0.0
453	34	-0.27	-0.10	-0.12	-1.25e-04	-9.45e-04	0.0
453	42	-0.10	-0.56	-0.13	-2.71e-04	-6.05e-04	0.0
453	63	0.14	0.04	-0.20	-8.16e-05	-9.36e-05	0.0
453	69	-0.15	0.06	-0.15	-7.59e-05	-6.96e-04	0.0
453	74	-0.06	-0.30	-0.15	-1.92e-04	-5.09e-04	0.0
453	87	-1.78e-03	-6.42e-03	-0.17	-9.67e-05	-3.95e-04	0.0
453	88	-2.23e-03	-6.57e-03	-0.17	-9.67e-05	-3.95e-04	0.0
453	92	-3.41e-03	-7.11e-03	-0.17	-9.89e-05	-4.36e-04	0.0
453	95	-3.08e-03	-7.15e-03	-0.17	-1.01e-04	-4.73e-04	0.0
453	97	-2.08e-03	-6.70e-03	-0.18	-1.08e-04	-4.30e-04	0.0
453	101	-2.53e-03	-6.67e-03	-0.17	-9.67e-05	-3.96e-04	0.0
453	102	-1.83e-03	-6.49e-03	-0.17	-9.75e-05	-4.10e-04	0.0
453	105	-1.78e-03	-6.42e-03	-0.17	-9.67e-05	-3.95e-04	0.0
453	106	-2.23e-03	-6.57e-03	-0.17	-9.67e-05	-3.95e-04	0.0
454	9	9.97e-04	-1.20e-03	-0.17	1.25e-04	2.18e-04	0.0
454	11	8.06e-04	-1.28e-03	-0.17	1.25e-04	2.18e-04	0.0
454	36	0.03	-4.97e-03	-0.13	7.98e-05	1.84e-04	0.0
454	39	6.23e-03	0.04	-0.14	6.83e-05	2.48e-04	0.0
454	42	-4.55e-03	-0.04	-0.12	9.68e-05	3.70e-05	0.0
454	68	0.01	-2.22e-03	-0.13	8.10e-05	1.66e-04	0.0
454	71	2.90e-03	0.02	-0.14	7.48e-05	2.00e-04	0.0
454	74	-1.55e-03	-0.02	-0.13	9.03e-05	8.50e-05	0.0
454	87	7.30e-04	-8.61e-04	-0.13	8.25e-05	1.43e-04	0.0
454	88	6.76e-04	-8.82e-04	-0.13	8.25e-05	1.43e-04	0.0
454	93	7.72e-04	-9.07e-04	-0.13	9.34e-05	1.63e-04	0.0
454	95	6.45e-04	-9.56e-04	-0.13	9.34e-05	1.62e-04	0.0
454	101	6.40e-04	-8.96e-04	-0.13	8.26e-05	1.43e-04	0.0
454	102	7.39e-04	-8.70e-04	-0.13	8.47e-05	1.47e-04	0.0
454	105	7.30e-04	-8.61e-04	-0.13	8.25e-05	1.43e-04	0.0
454	106	6.76e-04	-8.82e-04	-0.13	8.25e-05	1.43e-04	0.0
455	3	8.93e-04	-6.08e-04	-0.16	0.0	-1.27e-05	0.0
455	9	1.22e-03	-5.94e-04	-0.15	0.0	-1.42e-05	0.0
455	11	1.04e-03	-6.30e-04	-0.15	0.0	-1.42e-05	0.0
455	36	0.03	-6.60e-03	-0.12	-8.68e-06	-1.69e-05	0.0
455	37	-0.02	5.61e-03	-0.12	8.16e-06	-2.39e-06	0.0
455	42	-4.92e-03	-0.03	-0.12	-3.45e-05	-7.91e-06	0.0
455	68	0.01	-3.56e-03	-0.12	-4.87e-06	-1.37e-05	0.0
455	69	-0.01	2.69e-03	-0.12	4.37e-06	-5.65e-06	0.0

455	74	-2.39e-03	-0.02	-0.12	-1.91e-05	-8.69e-06	0.0
455	87	8.95e-04	-4.22e-04	-0.12	0.0	-9.65e-06	0.0
455	88	8.43e-04	-4.32e-04	-0.12	0.0	-9.65e-06	0.0
455	91	7.24e-04	-4.56e-04	-0.12	0.0	-9.65e-06	0.0
455	93	9.44e-04	-4.47e-04	-0.12	0.0	-1.06e-05	0.0
455	95	8.24e-04	-4.71e-04	-0.12	0.0	-1.06e-05	0.0
455	101	8.09e-04	-4.39e-04	-0.12	0.0	-9.65e-06	0.0
455	102	9.05e-04	-4.27e-04	-0.12	0.0	-9.85e-06	0.0
455	105	8.95e-04	-4.22e-04	-0.12	0.0	-9.65e-06	0.0
455	106	8.43e-04	-4.32e-04	-0.12	0.0	-9.65e-06	0.0
456	4	7.07e-04	-1.41e-03	-0.20	2.64e-04	2.40e-04	0.0
456	9	1.01e-03	-1.31e-03	-0.21	2.79e-04	2.61e-04	0.0
456	36	0.03	-5.15e-03	-0.16	2.25e-04	2.70e-04	0.0
456	39	6.23e-03	0.04	-0.18	3.26e-04	3.27e-04	0.0
456	42	-4.54e-03	-0.04	-0.13	5.25e-05	5.67e-06	0.0
456	68	0.01	-2.12e-03	-0.16	2.09e-04	2.24e-04	0.0
456	71	2.91e-03	0.02	-0.17	2.63e-04	2.54e-04	0.0
456	74	-1.54e-03	-0.02	-0.14	1.15e-04	7.88e-05	0.0
456	87	7.39e-04	-9.50e-04	-0.15	1.89e-04	1.67e-04	0.0
456	88	6.85e-04	-9.75e-04	-0.15	1.89e-04	1.66e-04	0.0
456	92	5.80e-04	-1.05e-03	-0.15	1.99e-04	1.79e-04	0.0
456	93	7.83e-04	-9.90e-04	-0.16	2.09e-04	1.93e-04	0.0
456	101	6.49e-04	-9.91e-04	-0.15	1.89e-04	1.66e-04	0.0
456	102	7.48e-04	-9.58e-04	-0.15	1.93e-04	1.72e-04	0.0
456	105	7.39e-04	-9.50e-04	-0.15	1.89e-04	1.67e-04	0.0
456	106	6.85e-04	-9.75e-04	-0.15	1.89e-04	1.66e-04	0.0
457	9	1.80e-03	1.49e-03	-0.19	-3.13e-04	-1.15e-05	0.0
457	11	1.64e-03	1.58e-03	-0.19	-3.15e-04	-1.32e-05	0.0
457	35	0.03	8.81e-03	-0.14	-2.35e-04	-2.74e-05	0.0
457	47	0.02	0.03	-0.14	-2.53e-04	-4.07e-05	0.0
457	67	0.02	7.32e-03	-0.14	-2.16e-04	-1.95e-05	0.0
457	79	0.01	0.03	-0.14	-2.27e-04	-2.88e-05	0.0
457	87	1.32e-03	1.07e-03	-0.14	-1.91e-04	-8.26e-06	0.0
457	88	1.28e-03	1.09e-03	-0.14	-1.92e-04	-8.75e-06	0.0
457	93	1.38e-03	1.13e-03	-0.14	-2.30e-04	-8.60e-06	0.0
457	95	1.27e-03	1.18e-03	-0.14	-2.31e-04	-9.73e-06	0.0
457	101	1.25e-03	1.11e-03	-0.14	-1.92e-04	-9.07e-06	0.0
457	102	1.34e-03	1.08e-03	-0.14	-1.99e-04	-8.33e-06	0.0
457	105	1.32e-03	1.07e-03	-0.14	-1.91e-04	-8.26e-06	0.0
457	106	1.28e-03	1.09e-03	-0.14	-1.92e-04	-8.75e-06	0.0
458	11	7.93e-03	2.00e-03	-0.23	0.0	-1.99e-05	-6.61e-05
458	36	0.04	-9.30e-03	-0.20	0.0	-2.27e-05	-2.67e-05
458	48	0.02	-0.03	-0.23	0.0	2.41e-05	-1.95e-05
458	49	-0.01	0.03	-0.10	0.0	-4.81e-05	-7.05e-05
458	68	0.02	-7.35e-03	-0.19	0.0	-1.65e-05	-3.33e-05
458	80	0.02	-0.02	-0.20	0.0	1.10e-05	-2.34e-05
458	81	-6.18e-03	0.03	-0.13	0.0	-3.71e-05	-6.86e-05
458	88	5.42e-03	1.35e-03	-0.17	0.0	-1.30e-05	-4.60e-05
458	95	5.92e-03	1.49e-03	-0.17	0.0	-1.46e-05	-4.97e-05
458	101	5.51e-03	1.38e-03	-0.17	0.0	-1.37e-05	-4.65e-05
458	106	5.42e-03	1.35e-03	-0.17	0.0	-1.30e-05	-4.60e-05
459	9	-1.23e-03	1.89e-04	-0.06	5.27e-04	8.70e-05	0.0
459	11	-8.98e-04	1.86e-04	-0.06	5.50e-04	8.91e-05	0.0
459	37	-0.03	-3.53e-04	-0.04	3.25e-04	4.58e-05	0.0
459	48	8.98e-03	-5.45e-03	-0.06	5.29e-04	8.73e-05	0.0
459	49	-0.01	5.89e-03	-0.04	2.50e-04	3.79e-05	0.0
459	69	-0.01	2.86e-03	-0.04	3.54e-04	5.35e-05	0.0
459	80	5.29e-03	-0.01	-0.05	4.69e-04	8.05e-05	0.0
459	81	-6.97e-03	0.01	-0.04	3.09e-04	4.77e-05	0.0
459	87	-9.35e-04	1.43e-04	-0.05	3.83e-04	6.35e-05	0.0
459	88	-8.41e-04	1.42e-04	-0.05	3.89e-04	6.41e-05	0.0
459	93	-9.65e-04	1.45e-04	-0.05	3.99e-04	6.60e-05	0.0
459	95	-7.45e-04	1.43e-04	-0.05	4.14e-04	6.74e-05	0.0
459	101	-7.78e-04	1.42e-04	-0.05	3.93e-04	6.45e-05	0.0
459	102	-9.41e-04	1.44e-04	-0.05	3.86e-04	6.40e-05	0.0
459	105	-9.35e-04	1.43e-04	-0.05	3.83e-04	6.35e-05	0.0
459	106	-8.41e-04	1.42e-04	-0.05	3.89e-04	6.41e-05	0.0
460	4	5.94e-04	-1.56e-03	-0.24	-2.73e-04	-2.24e-06	-1.99e-05
460	11	3.90e-04	-1.56e-03	-0.24	-2.75e-04	0.0	-2.00e-05
460	31	0.03	-2.13e-03	-0.21	-2.81e-04	5.77e-05	-2.08e-05
460	47	0.01	1.34e-03	-0.26	-4.98e-04	9.03e-05	-2.37e-05
460	50	-0.01	-3.95e-03	-0.09	1.45e-04	-8.21e-05	0.0
460	66	-0.02	-3.10e-03	-0.15	-1.31e-04	-2.85e-05	-6.86e-06
460	79	8.66e-03	8.58e-03	-0.23	-4.03e-04	5.71e-05	-2.82e-05
460	82	-8.79e-03	-0.01	-0.12	1.84e-05	-5.08e-05	1.12e-06
460	87	-2.18e-04	-1.09e-03	-0.17	-1.89e-04	4.61e-06	-1.32e-05
460	88	-6.18e-05	-1.11e-03	-0.17	-1.93e-04	3.15e-06	-1.36e-05
460	92	3.22e-04	-1.18e-03	-0.18	-2.05e-04	0.0	-1.48e-05
460	95	1.85e-04	-1.18e-03	-0.18	-2.07e-04	0.0	-1.49e-05
460	100	-2.18e-04	-1.09e-03	-0.17	-1.89e-04	4.61e-06	-1.32e-05

460	101	4.21e-05	-1.13e-03	-0.17	-1.95e-04	2.17e-06	-1.38e-05
460	105	-2.18e-04	-1.09e-03	-0.17	-1.89e-04	4.61e-06	-1.32e-05
460	106	-6.18e-05	-1.11e-03	-0.17	-1.93e-04	3.15e-06	-1.36e-05
461	1	1.21e-03	1.07e-03	-0.15	0.0	2.08e-06	0.0
461	9	1.27e-03	1.13e-03	-0.15	0.0	1.77e-06	0.0
461	11	1.07e-03	1.20e-03	-0.15	0.0	2.65e-06	0.0
461	36	0.03	-8.99e-03	-0.12	-3.59e-06	5.43e-06	0.0
461	37	-0.02	0.01	-0.12	4.00e-06	-1.89e-06	0.0
461	53	-7.89e-03	0.03	-0.12	1.13e-05	0.0	0.0
461	68	0.02	-6.19e-03	-0.12	-2.06e-06	3.80e-06	0.0
461	69	-0.01	7.85e-03	-0.12	2.46e-06	0.0	0.0
461	85	-4.07e-03	0.02	-0.12	6.89e-06	1.08e-06	0.0
461	87	9.42e-04	8.09e-04	-0.12	0.0	1.55e-06	0.0
461	88	8.87e-04	8.27e-04	-0.12	0.0	1.80e-06	0.0
461	89	9.42e-04	8.09e-04	-0.12	0.0	1.55e-06	0.0
461	93	9.81e-04	8.53e-04	-0.12	0.0	1.34e-06	0.0
461	95	8.53e-04	8.95e-04	-0.12	0.0	1.93e-06	0.0
461	100	9.42e-04	8.09e-04	-0.12	0.0	1.55e-06	0.0
461	101	8.50e-04	8.39e-04	-0.12	0.0	1.97e-06	0.0
461	102	9.50e-04	8.17e-04	-0.12	0.0	1.51e-06	0.0
461	105	9.42e-04	8.09e-04	-0.12	0.0	1.55e-06	0.0
461	106	8.87e-04	8.27e-04	-0.12	0.0	1.80e-06	0.0
462	4	-2.52e-04	1.93e-03	-0.21	1.26e-04	8.09e-05	0.0
462	11	-1.48e-04	1.94e-03	-0.21	1.44e-04	1.02e-04	0.0
462	28	0.03	-0.02	-0.18	9.00e-05	-1.39e-04	0.0
462	48	0.02	-0.04	-0.20	2.35e-04	-2.44e-04	0.0
462	49	-0.02	0.05	-0.11	-7.16e-05	3.81e-04	0.0
462	60	0.02	-0.01	-0.17	8.88e-05	-5.23e-05	0.0
462	80	0.02	-0.03	-0.18	1.74e-04	-1.24e-04	0.0
462	81	-0.02	0.04	-0.13	-1.04e-05	2.58e-04	0.0
462	87	1.31e-04	1.31e-03	-0.16	8.22e-05	7.21e-05	0.0
462	88	5.52e-05	1.34e-03	-0.16	8.18e-05	6.67e-05	0.0
462	89	1.31e-04	1.31e-03	-0.16	8.22e-05	7.21e-05	0.0
462	95	-5.98e-05	1.45e-03	-0.16	1.04e-04	7.74e-05	0.0
462	100	1.31e-04	1.31e-03	-0.16	8.22e-05	7.21e-05	0.0
462	101	4.70e-06	1.36e-03	-0.16	8.16e-05	6.32e-05	0.0
462	104	5.24e-05	1.36e-03	-0.16	8.65e-05	7.03e-05	0.0
462	105	1.31e-04	1.31e-03	-0.16	8.22e-05	7.21e-05	0.0
462	106	5.52e-05	1.34e-03	-0.16	8.18e-05	6.67e-05	0.0
463	9	-1.46e-03	1.16e-03	-0.22	1.12e-05	3.88e-04	-3.72e-06
463	11	-1.10e-03	1.26e-03	-0.23	1.19e-05	3.99e-04	-3.55e-06
463	37	-0.03	2.53e-03	-0.14	-9.38e-05	2.08e-04	-1.46e-05
463	45	-9.52e-03	4.55e-03	-0.14	-1.75e-04	2.19e-04	-1.84e-05
463	48	8.32e-03	-5.50e-04	-0.20	2.91e-04	3.68e-04	1.64e-05
463	69	-0.01	4.02e-03	-0.15	-5.42e-05	2.42e-04	-1.13e-05
463	77	-6.46e-03	0.01	-0.15	-1.14e-04	2.44e-04	-1.89e-05
463	80	4.77e-03	-7.27e-03	-0.19	1.85e-04	3.38e-04	1.56e-05
463	87	-1.12e-03	8.02e-04	-0.16	7.80e-06	2.81e-04	-2.78e-06
463	88	-1.02e-03	8.32e-04	-0.16	8.01e-06	2.84e-04	-2.73e-06
463	93	-1.15e-03	8.63e-04	-0.17	8.37e-06	2.94e-04	-2.85e-06
463	95	-9.10e-04	9.33e-04	-0.17	8.87e-06	3.01e-04	-2.74e-06
463	101	-9.49e-04	8.52e-04	-0.17	8.15e-06	2.86e-04	-2.70e-06
463	102	-1.13e-03	8.14e-04	-0.16	7.92e-06	2.83e-04	-2.79e-06
463	105	-1.12e-03	8.02e-04	-0.16	7.80e-06	2.81e-04	-2.78e-06
463	106	-1.02e-03	8.32e-04	-0.16	8.01e-06	2.84e-04	-2.73e-06
464	4	-2.49e-03	-1.59e-03	-0.23	-6.13e-05	0.0	5.15e-05
464	11	-2.39e-03	-1.62e-03	-0.24	-6.17e-05	0.0	5.18e-05
464	29	-0.04	0.03	-0.12	-9.32e-05	0.0	3.96e-05
464	48	0.02	-0.06	-0.26	3.01e-04	0.0	6.22e-05
464	49	-0.03	0.06	-0.08	-3.64e-04	0.0	-1.64e-05
464	61	-0.02	0.02	-0.14	-7.90e-05	0.0	3.36e-05
464	80	0.02	-0.05	-0.22	1.64e-04	0.0	7.76e-05
464	88	-1.48e-03	-9.42e-04	-0.17	-4.23e-05	0.0	3.53e-05
464	92	-1.80e-03	-1.15e-03	-0.18	-4.58e-05	0.0	3.84e-05
464	95	-1.73e-03	-1.17e-03	-0.18	-4.61e-05	0.0	3.87e-05
464	101	-1.55e-03	-9.78e-04	-0.17	-4.29e-05	0.0	3.58e-05
464	106	-1.48e-03	-9.42e-04	-0.17	-4.23e-05	0.0	3.53e-05
465	1	1.26e-03	1.32e-03	-0.15	0.0	-1.08e-05	0.0
465	9	1.31e-03	1.40e-03	-0.15	0.0	-1.34e-05	0.0
465	11	1.12e-03	1.48e-03	-0.15	0.0	-1.41e-05	0.0
465	36	0.03	-0.01	-0.12	-3.47e-06	-1.08e-05	0.0
465	37	-0.02	0.01	-0.12	3.32e-06	-5.72e-06	0.0
465	47	7.19e-03	0.03	-0.12	9.38e-06	-8.41e-06	0.0
465	68	0.02	-7.16e-03	-0.12	-1.95e-06	-9.59e-06	0.0
465	69	-0.01	9.20e-03	-0.12	1.81e-06	-6.87e-06	0.0
465	79	4.23e-03	0.03	-0.12	5.18e-06	-8.26e-06	0.0
465	87	9.78e-04	9.99e-04	-0.12	0.0	-8.02e-06	0.0
465	88	9.23e-04	1.02e-03	-0.12	0.0	-8.23e-06	0.0
465	89	9.78e-04	9.99e-04	-0.12	0.0	-8.02e-06	0.0
465	93	1.02e-03	1.05e-03	-0.12	0.0	-9.76e-06	0.0

465	95	8.89e-04	1.11e-03	-0.12	0.0	-1.02e-05	0.0
465	100	9.78e-04	9.99e-04	-0.12	0.0	-8.02e-06	0.0
465	101	8.86e-04	1.04e-03	-0.12	0.0	-8.37e-06	0.0
465	102	9.86e-04	1.01e-03	-0.12	0.0	-8.37e-06	0.0
465	105	9.78e-04	9.99e-04	-0.12	0.0	-8.02e-06	0.0
465	106	9.23e-04	1.02e-03	-0.12	0.0	-8.23e-06	0.0
466	9	1.93e-03	2.35e-03	-0.22	-1.55e-04	9.68e-05	0.0
466	11	1.77e-03	2.49e-03	-0.22	-1.55e-04	7.67e-05	0.0
466	35	0.03	0.01	-0.18	-1.01e-04	-1.49e-04	0.0
466	47	0.02	0.04	-0.20	-2.45e-04	-2.44e-04	0.0
466	49	7.53e-03	0.05	-0.20	-2.71e-04	-1.74e-04	0.0
466	67	0.02	0.01	-0.17	-9.83e-05	-6.58e-05	0.0
466	79	0.02	0.03	-0.19	-1.83e-04	-1.32e-04	0.0
466	81	8.04e-03	0.04	-0.18	-1.97e-04	-9.32e-05	0.0
466	87	1.42e-03	1.68e-03	-0.16	-8.96e-05	5.48e-05	0.0
466	88	1.38e-03	1.72e-03	-0.16	-8.94e-05	4.90e-05	0.0
466	93	1.48e-03	1.77e-03	-0.16	-1.13e-04	7.17e-05	0.0
466	95	1.38e-03	1.86e-03	-0.17	-1.13e-04	5.83e-05	0.0
466	101	1.35e-03	1.74e-03	-0.16	-8.93e-05	4.52e-05	0.0
466	102	1.44e-03	1.70e-03	-0.16	-9.43e-05	5.82e-05	0.0
466	104	1.39e-03	1.74e-03	-0.16	-9.41e-05	5.24e-05	0.0
466	105	1.42e-03	1.68e-03	-0.16	-8.96e-05	5.48e-05	0.0
466	106	1.38e-03	1.72e-03	-0.16	-8.94e-05	4.90e-05	0.0
467	9	-1.74e-03	3.66e-05	-0.22	-1.36e-05	4.52e-04	0.0
467	11	-1.41e-03	4.46e-05	-0.23	-1.43e-05	4.66e-04	0.0
467	34	-0.03	1.03e-04	-0.15	6.06e-05	2.78e-04	1.04e-05
467	36	0.02	-1.94e-03	-0.18	4.80e-05	3.85e-04	-1.56e-06
467	44	5.10e-03	-3.99e-03	-0.17	1.52e-04	3.48e-04	1.17e-05
467	66	-0.01	-2.06e-03	-0.16	3.54e-05	3.04e-04	8.34e-06
467	68	0.01	-3.20e-03	-0.18	2.83e-05	3.60e-04	1.51e-06
467	77	-4.57e-03	9.50e-03	-0.16	-1.20e-04	3.21e-04	-1.43e-05
467	87	-1.31e-03	1.87e-05	-0.16	-9.71e-06	3.27e-04	0.0
467	88	-1.22e-03	2.10e-05	-0.17	-9.93e-06	3.31e-04	0.0
467	93	-1.35e-03	2.55e-05	-0.17	-1.02e-05	3.42e-04	0.0
467	95	-1.14e-03	3.09e-05	-0.17	-1.07e-05	3.52e-04	0.0
467	101	-1.15e-03	2.25e-05	-0.17	-1.01e-05	3.34e-04	0.0
467	102	-1.32e-03	2.01e-05	-0.16	-9.81e-06	3.30e-04	0.0
467	105	-1.31e-03	1.87e-05	-0.16	-9.71e-06	3.27e-04	0.0
467	106	-1.22e-03	2.10e-05	-0.17	-9.93e-06	3.31e-04	0.0
468	4	-4.88e-03	4.31e-03	-0.24	-7.05e-05	-2.80e-05	-4.70e-06
468	11	-4.64e-03	4.33e-03	-0.24	-7.14e-05	-2.59e-05	-4.71e-06
468	29	-0.04	0.05	-0.13	-2.04e-04	-2.89e-05	-5.31e-05
468	48	0.03	-0.09	-0.26	3.58e-04	6.82e-05	6.85e-05
468	49	-0.04	0.10	-0.08	-4.11e-04	-9.40e-05	-8.21e-05
468	61	-0.03	0.03	-0.14	-1.43e-04	-2.53e-05	-3.61e-05
468	80	0.02	-0.07	-0.22	1.81e-04	3.68e-05	5.86e-05
468	81	-0.03	0.07	-0.12	-2.79e-04	-6.64e-05	-6.54e-05
468	88	-2.76e-03	3.05e-03	-0.17	-4.88e-05	-1.48e-05	-3.39e-06
468	92	-3.50e-03	3.25e-03	-0.18	-5.28e-05	-1.98e-05	-3.56e-06
468	95	-3.33e-03	3.26e-03	-0.18	-5.34e-05	-1.84e-05	-3.56e-06
468	101	-2.94e-03	3.09e-03	-0.17	-4.95e-05	-1.61e-05	-3.42e-06
468	106	-2.76e-03	3.05e-03	-0.17	-4.88e-05	-1.48e-05	-3.39e-06
469	4	-7.21e-03	0.03	-0.25	1.94e-06	6.07e-04	-2.71e-05
469	11	-6.60e-03	0.03	-0.25	5.94e-06	6.65e-04	-2.82e-05
469	33	-0.26	0.03	-0.20	-3.90e-05	3.99e-05	-3.65e-06
469	49	-0.11	0.42	-0.14	-8.72e-04	2.59e-04	-8.81e-05
469	54	-0.05	-0.36	-0.24	8.51e-04	3.43e-04	2.57e-05
469	65	-0.15	0.04	-0.19	-3.03e-05	2.09e-04	-1.47e-05
469	81	-0.07	0.29	-0.15	-5.11e-04	3.29e-04	-7.20e-05
469	86	-0.02	-0.23	-0.22	5.01e-04	3.78e-04	2.08e-05
469	88	-3.82e-03	0.02	-0.18	2.01e-06	4.18e-04	-1.87e-05
469	92	-5.09e-03	0.02	-0.19	1.58e-06	4.53e-04	-2.03e-05
469	95	-4.69e-03	0.02	-0.19	4.24e-06	4.92e-04	-2.10e-05
469	101	-4.16e-03	0.02	-0.18	1.39e-06	4.17e-04	-1.89e-05
469	106	-3.82e-03	0.02	-0.18	2.01e-06	4.18e-04	-1.87e-05
470	1	1.19e-03	8.92e-04	-0.15	0.0	-6.16e-06	0.0
470	9	1.25e-03	9.47e-04	-0.15	0.0	-7.84e-06	0.0
470	11	1.06e-03	1.00e-03	-0.15	0.0	-6.89e-06	0.0
470	36	0.03	-8.19e-03	-0.12	-4.70e-06	-2.07e-06	0.0
470	37	-0.02	9.41e-03	-0.12	5.14e-06	-6.81e-06	0.0
470	53	-7.85e-03	0.03	-0.12	1.40e-05	-5.45e-06	0.0
470	68	0.01	-5.60e-03	-0.12	-2.67e-06	-3.13e-06	0.0
470	69	-0.01	6.99e-03	-0.12	3.11e-06	-5.69e-06	0.0
470	85	-4.05e-03	0.02	-0.12	8.40e-06	-4.94e-06	0.0
470	87	9.27e-04	6.77e-04	-0.12	0.0	-4.69e-06	0.0
470	88	8.72e-04	6.92e-04	-0.12	0.0	-4.41e-06	0.0
470	89	9.27e-04	6.77e-04	-0.12	0.0	-4.69e-06	0.0
470	93	9.66e-04	7.14e-04	-0.12	0.0	-5.81e-06	0.0
470	95	8.39e-04	7.49e-04	-0.12	0.0	-5.18e-06	0.0
470	100	9.27e-04	6.77e-04	-0.12	0.0	-4.69e-06	0.0

470	101	8.36e-04	7.02e-04	-0.12	0.0	-4.23e-06	0.0
470	102	9.35e-04	6.84e-04	-0.12	0.0	-4.91e-06	0.0
470	105	9.27e-04	6.77e-04	-0.12	0.0	-4.69e-06	0.0
470	106	8.72e-04	6.92e-04	-0.12	0.0	-4.41e-06	0.0
471	11	-5.27e-05	1.93e-03	-0.23	-3.65e-06	-2.36e-05	-7.79e-06
471	15	-1.80e-04	1.71e-03	-0.22	-4.31e-06	-1.73e-05	-7.27e-06
471	28	0.03	-0.01	-0.22	1.25e-04	7.95e-05	1.34e-05
471	48	0.02	-0.03	-0.26	2.91e-04	1.23e-04	7.32e-06
471	49	-0.02	0.03	-0.07	-3.00e-04	-1.48e-04	-3.19e-05
471	61	-0.02	0.01	-0.14	-8.11e-05	-6.62e-05	-2.05e-05
471	80	0.01	-0.02	-0.23	1.83e-04	6.68e-05	1.69e-05
471	81	-0.01	0.03	-0.11	-1.89e-04	-9.40e-05	-2.81e-05
471	87	-1.45e-04	1.28e-03	-0.16	-3.26e-06	-1.19e-05	-5.58e-06
471	88	-1.11e-04	1.31e-03	-0.17	-3.15e-06	-1.36e-05	-5.62e-06
471	95	-6.36e-05	1.44e-03	-0.18	-2.91e-06	-1.68e-05	-5.90e-06
471	96	-1.49e-04	1.29e-03	-0.17	-3.35e-06	-1.26e-05	-5.55e-06
471	100	-1.45e-04	1.28e-03	-0.16	-3.26e-06	-1.19e-05	-5.58e-06
471	101	-8.81e-05	1.34e-03	-0.17	-3.08e-06	-1.47e-05	-5.64e-06
471	105	-1.45e-04	1.28e-03	-0.16	-3.26e-06	-1.19e-05	-5.58e-06
471	106	-1.11e-04	1.31e-03	-0.17	-3.15e-06	-1.36e-05	-5.62e-06
472	4	-8.01e-03	0.03	-0.23	-4.29e-05	5.57e-04	0.0
472	11	-7.42e-03	0.03	-0.23	-4.52e-05	6.12e-04	0.0
472	34	-0.27	-0.09	-0.23	1.16e-05	6.85e-06	0.0
472	49	-0.11	0.43	-0.09	-9.73e-04	1.78e-04	0.0
472	54	-0.05	-0.37	-0.26	8.21e-04	3.51e-04	0.0
472	66	-0.15	-0.05	-0.20	4.29e-06	1.76e-04	0.0
472	81	-0.07	0.29	-0.12	-5.80e-04	2.68e-04	0.0
472	86	-0.02	-0.23	-0.22	4.72e-04	3.66e-04	0.0
472	88	-4.38e-03	0.02	-0.16	-2.62e-05	3.82e-04	0.0
472	92	-5.69e-03	0.02	-0.17	-3.11e-05	4.16e-04	0.0
472	95	-5.30e-03	0.02	-0.17	-3.27e-05	4.52e-04	0.0
472	101	-4.72e-03	0.02	-0.17	-2.69e-05	3.81e-04	0.0
472	106	-4.38e-03	0.02	-0.16	-2.62e-05	3.82e-04	0.0
473	3	-5.20e-03	4.97e-03	-0.25	0.0	4.26e-05	1.89e-05
473	11	-4.97e-03	5.22e-03	-0.25	0.0	4.48e-05	1.68e-05
473	29	-0.03	0.08	-0.22	0.0	2.54e-05	-1.02e-04
473	49	-0.02	0.14	-0.21	0.0	5.45e-05	-4.74e-05
473	61	-0.02	0.05	-0.20	0.0	2.90e-05	-5.23e-05
473	81	-0.02	0.11	-0.20	0.0	4.61e-05	-2.89e-05
473	88	-3.67e-03	3.54e-03	-0.18	0.0	3.22e-05	1.35e-05
473	91	-3.92e-03	3.72e-03	-0.19	0.0	3.25e-05	1.44e-05
473	95	-3.77e-03	3.90e-03	-0.19	0.0	3.39e-05	1.30e-05
473	101	-3.74e-03	3.59e-03	-0.18	0.0	3.23e-05	1.38e-05
473	106	-3.67e-03	3.54e-03	-0.18	0.0	3.22e-05	1.35e-05
474	4	-3.07e-03	5.33e-03	-0.24	-5.00e-05	-2.42e-05	-9.34e-06
474	11	-2.85e-03	5.34e-03	-0.24	-5.10e-05	-2.29e-05	-9.68e-06
474	38	-0.04	-0.03	-0.14	7.89e-05	-2.47e-04	2.74e-05
474	49	1.73e-04	0.09	-0.21	-3.21e-04	4.07e-06	-8.86e-05
474	51	0.02	0.09	-0.22	-3.40e-04	1.28e-04	-8.62e-05
474	70	-0.02	-0.02	-0.15	3.49e-05	-1.45e-04	1.61e-05
474	81	1.68e-03	0.06	-0.20	-2.14e-04	1.13e-06	-6.53e-05
474	83	0.01	0.06	-0.21	-2.24e-04	6.98e-05	-6.40e-05
474	88	-1.52e-03	3.65e-03	-0.17	-3.41e-05	-1.37e-05	-6.70e-06
474	92	-2.14e-03	3.98e-03	-0.18	-3.73e-05	-1.73e-05	-7.05e-06
474	95	-1.99e-03	3.99e-03	-0.18	-3.80e-05	-1.65e-05	-7.27e-06
474	101	-1.67e-03	3.71e-03	-0.17	-3.46e-05	-1.46e-05	-6.73e-06
474	106	-1.52e-03	3.65e-03	-0.17	-3.41e-05	-1.37e-05	-6.70e-06
475	4	-7.83e-03	0.03	-0.33	2.28e-05	6.13e-04	0.0
475	11	-7.22e-03	0.03	-0.34	2.16e-05	6.67e-04	0.0
475	34	-0.27	-0.08	-0.27	2.56e-04	3.52e-04	0.0
475	49	-0.11	0.42	-0.15	-8.29e-04	4.66e-04	0.0
475	50	-0.05	-0.32	-0.32	7.61e-04	3.46e-04	0.0
475	66	-0.15	-0.05	-0.25	1.60e-04	3.86e-04	0.0
475	81	-0.07	0.28	-0.18	-4.75e-04	4.50e-04	0.0
475	82	-0.02	-0.21	-0.29	4.60e-04	3.80e-04	0.0
475	88	-4.25e-03	0.02	-0.23	2.14e-05	4.22e-04	0.0
475	92	-5.56e-03	0.02	-0.25	1.86e-05	4.58e-04	0.0
475	95	-5.15e-03	0.02	-0.25	1.78e-05	4.93e-04	0.0
475	101	-4.59e-03	0.02	-0.23	2.10e-05	4.22e-04	0.0
475	104	-4.29e-03	0.02	-0.24	2.08e-05	4.37e-04	0.0
475	106	-4.25e-03	0.02	-0.23	2.14e-05	4.22e-04	0.0
476	4	-8.04e-03	0.03	-0.36	5.98e-05	-9.40e-05	0.0
476	11	-7.44e-03	0.03	-0.37	5.78e-05	-1.03e-04	0.0
476	33	-0.27	0.04	-0.27	-2.48e-06	1.51e-04	0.0
476	49	-0.11	0.41	-0.18	-7.61e-04	5.09e-05	0.0
476	54	-0.05	-0.36	-0.34	8.25e-04	-6.40e-05	0.0
476	65	-0.15	0.04	-0.26	1.38e-05	5.52e-05	0.0
476	81	-0.07	0.27	-0.21	-4.20e-04	2.95e-06	0.0
476	86	-0.02	-0.23	-0.31	5.06e-04	-6.63e-05	0.0
476	88	-4.39e-03	0.02	-0.25	4.89e-05	-6.43e-05	0.0

476	92	-5.71e-03	0.02	-0.27	4.68e-05	-7.00e-05	0.0
476	95	-5.32e-03	0.02	-0.28	4.55e-05	-7.63e-05	0.0
476	101	-4.74e-03	0.02	-0.25	4.87e-05	-6.42e-05	0.0
476	104	-4.44e-03	0.02	-0.26	4.82e-05	-6.68e-05	0.0
476	106	-4.39e-03	0.02	-0.25	4.89e-05	-6.43e-05	0.0
477	4	-0.01	0.01	-0.22	0.0	1.20e-04	-6.25e-05
477	11	-0.01	0.01	-0.22	0.0	1.21e-04	-6.23e-05
477	38	-0.04	-0.05	-0.20	0.0	4.51e-05	-5.71e-05
477	49	-0.01	0.15	-0.12	0.0	7.09e-06	-6.89e-05
477	54	-0.02	-0.13	-0.21	0.0	1.28e-04	-3.01e-05
477	70	-0.03	-0.03	-0.18	0.0	6.78e-05	-4.93e-05
477	81	-9.28e-03	0.11	-0.14	0.0	3.94e-05	-6.59e-05
477	86	-0.02	-0.09	-0.19	0.0	1.15e-04	-2.92e-05
477	88	-9.39e-03	7.65e-03	-0.16	0.0	8.62e-05	-4.42e-05
477	92	-9.98e-03	8.27e-03	-0.17	0.0	9.07e-05	-4.70e-05
477	95	-9.88e-03	8.27e-03	-0.17	0.0	9.13e-05	-4.69e-05
477	101	-9.53e-03	7.77e-03	-0.16	0.0	8.70e-05	-4.48e-05
477	106	-9.39e-03	7.65e-03	-0.16	0.0	8.62e-05	-4.42e-05
478	4	-8.15e-03	0.03	-0.31	6.79e-05	-6.10e-04	0.0
478	11	-7.57e-03	0.03	-0.32	6.47e-05	-6.64e-04	0.0
478	33	-0.27	0.04	-0.24	-2.58e-06	-4.88e-04	0.0
478	49	-0.11	0.40	-0.16	-7.25e-04	-3.70e-04	0.0
478	54	-0.05	-0.35	-0.31	7.97e-04	-5.19e-04	0.0
478	65	-0.15	0.04	-0.23	1.78e-05	-4.53e-04	0.0
478	81	-0.07	0.27	-0.18	-3.94e-04	-3.90e-04	0.0
478	86	-0.02	-0.22	-0.27	4.92e-04	-4.73e-04	0.0
478	88	-4.47e-03	0.02	-0.22	5.46e-05	-4.19e-04	0.0
478	92	-5.80e-03	0.02	-0.24	5.29e-05	-4.55e-04	0.0
478	95	-5.41e-03	0.02	-0.24	5.08e-05	-4.91e-04	0.0
478	101	-4.81e-03	0.02	-0.22	5.47e-05	-4.19e-04	0.0
478	104	-4.52e-03	0.02	-0.23	5.38e-05	-4.33e-04	0.0
478	106	-4.47e-03	0.02	-0.22	5.46e-05	-4.19e-04	0.0
479	4	-8.22e-03	0.03	-0.26	8.55e-05	-2.49e-04	0.0
479	11	-7.65e-03	0.03	-0.26	8.33e-05	-2.69e-04	0.0
479	33	-0.27	0.04	-0.19	4.50e-06	-4.20e-04	0.0
479	49	-0.11	0.39	-0.12	-6.89e-04	-2.20e-04	0.0
479	50	-0.04	-0.31	-0.26	7.23e-04	-2.71e-04	0.0
479	65	-0.15	0.04	-0.19	2.79e-05	-3.07e-04	0.0
479	81	-0.07	0.26	-0.15	-3.65e-04	-1.99e-04	0.0
479	82	-0.02	-0.20	-0.23	4.56e-04	-2.22e-04	0.0
479	88	-4.52e-03	0.02	-0.19	6.59e-05	-1.69e-04	0.0
479	92	-5.85e-03	0.02	-0.20	6.58e-05	-1.85e-04	0.0
479	95	-5.47e-03	0.02	-0.20	6.43e-05	-1.99e-04	0.0
479	101	-4.86e-03	0.02	-0.19	6.61e-05	-1.69e-04	0.0
479	106	-4.52e-03	0.02	-0.19	6.59e-05	-1.69e-04	0.0
480	4	-8.22e-03	0.02	-0.26	9.09e-05	3.71e-05	0.0
480	11	-7.65e-03	0.02	-0.26	8.73e-05	4.14e-05	0.0
480	33	-0.27	0.04	-0.18	6.34e-06	1.20e-04	0.0
480	49	-0.11	0.38	-0.12	-6.04e-04	2.92e-05	0.0
480	50	-0.04	-0.31	-0.26	7.85e-04	8.82e-05	0.0
480	65	-0.15	0.04	-0.18	3.19e-05	7.81e-05	0.0
480	81	-0.07	0.25	-0.14	-3.14e-04	2.83e-05	0.0
480	82	-0.02	-0.20	-0.23	4.92e-04	6.08e-05	0.0
480	88	-4.52e-03	0.02	-0.19	7.10e-05	2.71e-05	0.0
480	92	-5.85e-03	0.02	-0.20	7.03e-05	2.81e-05	0.0
480	95	-5.47e-03	0.02	-0.20	6.78e-05	3.09e-05	0.0
480	101	-4.86e-03	0.02	-0.19	7.13e-05	2.67e-05	0.0
480	106	-4.52e-03	0.02	-0.19	7.10e-05	2.71e-05	0.0
481	4	-8.21e-03	0.02	-0.26	9.35e-05	-5.70e-05	0.0
481	11	-7.64e-03	0.02	-0.26	8.96e-05	-6.02e-05	0.0
481	33	-0.27	0.04	-0.18	-1.18e-04	-2.12e-05	0.0
481	49	-0.11	0.38	-0.11	-6.68e-04	-4.88e-05	0.0
481	50	-0.04	-0.31	-0.26	7.22e-04	-1.25e-05	0.0
481	65	-0.15	0.04	-0.18	-3.49e-05	-2.90e-05	0.0
481	81	-0.07	0.25	-0.14	-3.46e-04	-4.41e-05	0.0
481	82	-0.02	-0.19	-0.23	4.57e-04	-2.38e-05	0.0
481	88	-4.50e-03	0.02	-0.18	7.29e-05	-3.79e-05	0.0
481	92	-5.84e-03	0.02	-0.20	7.23e-05	-4.22e-05	0.0
481	95	-5.46e-03	0.02	-0.20	6.96e-05	-4.44e-05	0.0
481	101	-4.85e-03	0.02	-0.19	7.33e-05	-3.84e-05	0.0
481	106	-4.50e-03	0.02	-0.18	7.29e-05	-3.79e-05	0.0
482	4	-7.03e-03	0.01	-0.23	0.0	7.10e-05	-6.22e-05
482	11	-6.89e-03	0.01	-0.23	0.0	7.18e-05	-6.20e-05
482	33	-0.03	7.28e-03	-0.19	0.0	2.58e-05	-1.86e-05
482	38	-0.03	-0.05	-0.19	0.0	4.25e-05	-7.75e-06
482	49	-4.78e-03	0.15	-0.18	0.0	8.68e-06	-5.47e-05
482	65	-0.02	0.02	-0.18	0.0	3.82e-05	-3.44e-05
482	70	-0.02	-0.03	-0.18	0.0	4.97e-05	-2.37e-05
482	81	-3.01e-03	0.11	-0.17	0.0	2.45e-05	-5.88e-05
482	88	-5.00e-03	7.71e-03	-0.16	0.0	5.11e-05	-4.40e-05

482	92	-5.30e-03	8.35e-03	-0.17	0.0	5.37e-05	-4.68e-05
482	95	-5.21e-03	8.35e-03	-0.17	0.0	5.42e-05	-4.67e-05
482	101	-5.08e-03	7.84e-03	-0.17	0.0	5.15e-05	-4.46e-05
482	106	-5.00e-03	7.71e-03	-0.16	0.0	5.11e-05	-4.40e-05
483	3	1.36e-03	3.31e-05	-0.19	-3.22e-04	2.58e-05	0.0
483	9	1.68e-03	3.01e-05	-0.20	-3.95e-04	3.05e-05	0.0
483	11	1.53e-03	3.07e-05	-0.20	-3.95e-04	3.02e-05	0.0
483	34	-0.02	-4.23e-03	-0.15	-2.53e-04	2.31e-06	0.0
483	35	0.03	9.48e-04	-0.14	-2.31e-04	3.74e-05	0.0
483	39	0.01	0.02	-0.14	-2.35e-04	2.68e-05	0.0
483	67	0.02	9.56e-04	-0.14	-2.36e-04	2.95e-05	0.0
483	71	8.46e-03	0.01	-0.14	-2.39e-04	2.40e-05	0.0
483	78	-6.20e-03	-0.01	-0.15	-2.45e-04	1.53e-05	0.0
483	87	1.23e-03	2.48e-05	-0.14	-2.42e-04	1.97e-05	0.0
483	88	1.18e-03	2.50e-05	-0.14	-2.42e-04	1.97e-05	0.0
483	91	1.08e-03	2.54e-05	-0.14	-2.42e-04	1.95e-05	0.0
483	93	1.29e-03	2.34e-05	-0.15	-2.90e-04	2.27e-05	0.0
483	95	1.19e-03	2.39e-05	-0.15	-2.90e-04	2.25e-05	0.0
483	101	1.15e-03	2.51e-05	-0.14	-2.42e-04	1.96e-05	0.0
483	102	1.24e-03	2.45e-05	-0.15	-2.52e-04	2.03e-05	0.0
483	104	1.20e-03	2.47e-05	-0.15	-2.52e-04	2.03e-05	0.0
483	105	1.23e-03	2.48e-05	-0.14	-2.42e-04	1.97e-05	0.0
483	106	1.18e-03	2.50e-05	-0.14	-2.42e-04	1.97e-05	0.0
484	4	-8.19e-03	0.02	-0.27	1.05e-04	3.27e-04	0.0
484	11	-7.62e-03	0.02	-0.27	1.02e-04	3.57e-04	0.0
484	33	-0.27	0.04	-0.17	-1.18e-05	-3.35e-05	0.0
484	48	0.11	-0.34	-0.27	7.93e-04	3.46e-04	0.0
484	49	-0.12	0.37	-0.11	-6.59e-04	1.11e-04	0.0
484	65	-0.15	0.04	-0.18	2.69e-05	8.33e-05	0.0
484	80	0.06	-0.21	-0.24	4.98e-04	2.96e-04	0.0
484	81	-0.07	0.24	-0.14	-3.37e-04	1.60e-04	0.0
484	88	-4.49e-03	0.01	-0.19	8.04e-05	2.28e-04	0.0
484	92	-5.83e-03	0.02	-0.20	8.06e-05	2.45e-04	0.0
484	95	-5.45e-03	0.02	-0.20	7.87e-05	2.65e-04	0.0
484	101	-4.83e-03	0.02	-0.19	8.08e-05	2.27e-04	0.0
484	106	-4.49e-03	0.01	-0.19	8.04e-05	2.28e-04	0.0
485	4	-8.21e-03	0.02	-0.32	1.06e-04	4.91e-04	0.0
485	11	-7.64e-03	0.02	-0.32	1.02e-04	5.37e-04	0.0
485	33	-0.27	0.05	-0.19	-1.04e-04	3.90e-04	0.0
485	48	0.11	-0.33	-0.31	7.96e-04	3.79e-04	0.0
485	49	-0.12	0.36	-0.13	-6.55e-04	3.05e-04	0.0
485	65	-0.15	0.04	-0.21	-2.28e-05	3.64e-04	0.0
485	80	0.06	-0.20	-0.28	5.02e-04	3.66e-04	0.0
485	81	-0.07	0.23	-0.17	-3.35e-04	3.16e-04	0.0
485	88	-4.50e-03	0.01	-0.22	8.33e-05	3.41e-04	0.0
485	92	-5.84e-03	0.01	-0.24	8.21e-05	3.67e-04	0.0
485	95	-5.46e-03	0.02	-0.24	7.92e-05	3.98e-04	0.0
485	101	-4.84e-03	0.01	-0.23	8.37e-05	3.40e-04	0.0
485	104	-4.56e-03	0.01	-0.23	8.24e-05	3.53e-04	0.0
485	106	-4.50e-03	0.01	-0.22	8.33e-05	3.41e-04	0.0
486	11	-1.38e-03	0.01	-0.24	-5.68e-05	1.99e-05	-1.38e-05
486	18	-1.47e-03	0.01	-0.24	-5.61e-05	1.84e-05	-1.45e-05
486	38	-0.04	-0.05	-0.18	4.78e-05	4.16e-06	3.62e-05
486	49	2.24e-03	0.15	-0.24	-5.29e-04	-1.20e-05	-5.94e-05
486	70	-0.02	-0.03	-0.17	2.21e-05	9.65e-06	1.56e-05
486	81	3.44e-03	0.11	-0.21	-3.52e-04	-3.04e-06	-3.66e-05
486	88	-9.70e-04	7.72e-03	-0.17	-3.91e-05	1.40e-05	-1.17e-05
486	95	-1.03e-03	8.37e-03	-0.18	-4.25e-05	1.50e-05	-1.09e-05
486	99	-1.09e-03	8.28e-03	-0.18	-4.20e-05	1.40e-05	-1.13e-05
486	101	-9.97e-04	7.85e-03	-0.17	-3.98e-05	1.41e-05	-1.17e-05
486	106	-9.70e-04	7.72e-03	-0.17	-3.91e-05	1.40e-05	-1.17e-05
487	11	-1.25e-03	0.01	-0.24	-1.71e-05	0.0	3.86e-05
487	18	-1.34e-03	0.01	-0.24	-1.72e-05	0.0	3.77e-05
487	38	-0.04	-0.05	-0.18	1.90e-04	0.0	5.50e-05
487	49	2.21e-03	0.14	-0.24	-5.52e-04	0.0	-7.28e-05
487	70	-0.02	-0.03	-0.17	1.13e-04	0.0	4.54e-05
487	81	3.51e-03	0.11	-0.21	-3.46e-04	0.0	-2.19e-05
487	88	-8.73e-04	8.58e-03	-0.17	-1.28e-05	0.0	2.53e-05
487	95	-9.36e-04	9.49e-03	-0.18	-1.31e-05	0.0	2.85e-05
487	99	-9.91e-04	9.35e-03	-0.18	-1.31e-05	0.0	2.80e-05
487	101	-8.98e-04	8.76e-03	-0.17	-1.28e-05	0.0	2.59e-05
487	106	-8.73e-04	8.58e-03	-0.17	-1.28e-05	0.0	2.53e-05
488	11	-1.07e-03	0.02	-0.24	3.86e-05	0.0	4.05e-05
488	18	-1.15e-03	0.02	-0.24	3.78e-05	0.0	3.99e-05
488	38	-0.04	-0.04	-0.17	2.32e-04	0.0	5.72e-05
488	49	2.22e-03	0.13	-0.23	-5.38e-04	0.0	-5.00e-05
488	70	-0.02	-0.02	-0.17	1.55e-04	0.0	4.75e-05
488	81	3.63e-03	0.11	-0.21	-3.17e-04	0.0	-1.69e-05
488	88	-7.36e-04	0.01	-0.17	2.56e-05	0.0	2.78e-05
488	95	-7.95e-04	0.01	-0.18	2.86e-05	0.0	3.03e-05

488	99	-8.50e-04	0.01	-0.18	2.81e-05	0.0	2.99e-05
488	101	-7.59e-04	0.01	-0.17	2.62e-05	0.0	2.83e-05
488	106	-7.36e-04	0.01	-0.17	2.56e-05	0.0	2.78e-05
489	11	-9.29e-04	0.02	-0.24	7.67e-05	0.0	2.22e-05
489	18	-1.01e-03	0.02	-0.24	7.54e-05	0.0	2.20e-05
489	38	-0.04	-0.03	-0.17	2.61e-04	0.0	4.34e-05
489	49	2.53e-03	0.13	-0.23	-5.22e-04	0.0	-4.99e-05
489	70	-0.02	-0.02	-0.17	1.83e-04	0.0	3.40e-05
489	81	3.91e-03	0.10	-0.21	-2.96e-04	0.0	-2.79e-05
489	88	-6.28e-04	0.01	-0.17	5.21e-05	0.0	1.56e-05
489	95	-6.87e-04	0.02	-0.18	5.71e-05	0.0	1.67e-05
489	99	-7.41e-04	0.02	-0.18	5.63e-05	0.0	1.65e-05
489	101	-6.52e-04	0.01	-0.17	5.31e-05	0.0	1.58e-05
489	106	-6.28e-04	0.01	-0.17	5.21e-05	0.0	1.56e-05
490	11	-9.31e-04	0.02	-0.24	9.56e-05	9.48e-06	1.01e-05
490	18	-1.01e-03	0.02	-0.24	9.40e-05	8.11e-06	9.88e-06
490	38	-0.04	-0.03	-0.17	2.73e-04	-3.30e-05	3.46e-05
490	49	2.84e-03	0.12	-0.23	-5.08e-04	-6.23e-06	-5.55e-05
490	70	-0.02	-0.02	-0.17	1.96e-04	-1.50e-05	2.55e-05
490	81	4.15e-03	0.10	-0.21	-2.83e-04	-1.12e-06	-3.63e-05
490	88	-6.16e-04	0.02	-0.17	6.53e-05	7.00e-06	7.13e-06
490	95	-6.85e-04	0.02	-0.18	7.14e-05	7.31e-06	7.60e-06
490	99	-7.36e-04	0.02	-0.18	7.03e-05	6.39e-06	7.46e-06
490	101	-6.43e-04	0.02	-0.18	6.65e-05	6.78e-06	7.20e-06
490	106	-6.16e-04	0.02	-0.17	6.53e-05	7.00e-06	7.13e-06
491	11	-9.22e-04	0.02	-0.25	1.05e-04	0.0	2.12e-06
491	18	-9.94e-04	0.02	-0.24	1.04e-04	0.0	1.89e-06
491	38	-0.04	-0.03	-0.17	2.75e-04	0.0	4.11e-06
491	49	3.15e-03	0.12	-0.23	-4.96e-04	0.0	-5.79e-05
491	70	-0.02	-0.01	-0.17	2.00e-04	0.0	6.24e-06
491	81	4.39e-03	0.10	-0.21	-2.72e-04	0.0	-3.93e-05
491	88	-5.95e-04	0.02	-0.17	7.22e-05	0.0	1.42e-06
491	95	-6.74e-04	0.02	-0.18	7.88e-05	0.0	1.58e-06
491	99	-7.22e-04	0.02	-0.18	7.76e-05	0.0	1.43e-06
491	101	-6.27e-04	0.02	-0.18	7.35e-05	0.0	1.42e-06
491	106	-5.95e-04	0.02	-0.17	7.22e-05	0.0	1.42e-06
492	11	-8.71e-04	0.02	-0.25	1.11e-04	0.0	-3.10e-06
492	18	-9.38e-04	0.02	-0.24	1.09e-04	0.0	-3.00e-06
492	35	0.04	0.05	-0.18	-1.33e-04	0.0	-5.09e-06
492	49	3.53e-03	0.11	-0.23	-4.80e-04	0.0	-5.79e-05
492	70	-0.02	-0.01	-0.17	2.00e-04	0.0	3.18e-06
492	81	4.70e-03	0.09	-0.21	-2.61e-04	0.0	-4.35e-05
492	88	-5.42e-04	0.02	-0.17	7.60e-05	0.0	-1.87e-06
492	95	-6.30e-04	0.02	-0.19	8.28e-05	0.0	-2.24e-06
492	99	-6.75e-04	0.02	-0.18	8.15e-05	0.0	-2.18e-06
492	101	-5.77e-04	0.02	-0.18	7.72e-05	0.0	-1.96e-06
492	106	-5.42e-04	0.02	-0.17	7.60e-05	0.0	-1.87e-06
493	4	-9.58e-04	0.02	-0.25	1.15e-04	0.0	0.0
493	11	-8.85e-04	0.02	-0.25	1.15e-04	1.63e-06	0.0
493	35	0.04	0.05	-0.19	-1.22e-04	4.87e-05	-2.78e-06
493	49	3.94e-03	0.10	-0.23	-4.59e-04	1.39e-05	-5.37e-05
493	70	-0.02	-0.01	-0.17	1.98e-04	-2.34e-05	4.88e-06
493	81	5.00e-03	0.09	-0.21	-2.46e-04	1.05e-05	-4.07e-05
493	88	-5.37e-04	0.02	-0.18	7.90e-05	2.46e-06	0.0
493	92	-6.85e-04	0.02	-0.19	8.58e-05	0.0	0.0
493	95	-6.36e-04	0.02	-0.19	8.61e-05	1.67e-06	0.0
493	101	-5.76e-04	0.02	-0.18	8.03e-05	2.02e-06	0.0
493	106	-5.37e-04	0.02	-0.18	7.90e-05	2.46e-06	0.0
494	9	3.15e-03	0.02	-0.31	-1.43e-04	5.35e-04	-1.37e-05
494	11	1.87e-03	0.02	-0.32	-1.49e-04	5.31e-04	-1.45e-05
494	32	0.27	-0.02	-0.23	7.29e-05	2.57e-04	-7.45e-06
494	47	0.09	0.33	-0.28	-7.86e-04	3.64e-04	-6.94e-05
494	49	-0.06	0.36	-0.27	-8.34e-04	4.05e-04	-1.02e-04
494	64	0.15	-0.01	-0.23	-9.13e-06	2.94e-04	-4.08e-06
494	79	0.05	0.22	-0.26	-5.12e-04	3.55e-04	-5.79e-05
494	81	-0.03	0.23	-0.26	-5.38e-04	3.77e-04	-7.57e-05
494	87	2.43e-03	0.01	-0.22	-1.15e-04	3.38e-04	-9.78e-06
494	88	2.07e-03	0.01	-0.22	-1.17e-04	3.37e-04	-1.00e-05
494	93	2.51e-03	0.01	-0.24	-1.11e-04	3.96e-04	-1.03e-05
494	95	1.66e-03	0.02	-0.24	-1.14e-04	3.93e-04	-1.08e-05
494	101	1.83e-03	0.01	-0.23	-1.18e-04	3.37e-04	-1.02e-05
494	102	2.45e-03	0.01	-0.22	-1.14e-04	3.50e-04	-9.89e-06
494	104	2.09e-03	0.01	-0.23	-1.16e-04	3.49e-04	-1.01e-05
494	105	2.43e-03	0.01	-0.22	-1.15e-04	3.38e-04	-9.78e-06
494	106	2.07e-03	0.01	-0.22	-1.17e-04	3.37e-04	-1.00e-05
495	4	-9.92e-04	0.02	-0.24	1.20e-04	0.0	-1.21e-05
495	11	-9.09e-04	0.02	-0.25	1.20e-04	0.0	-1.20e-05
495	35	0.04	0.05	-0.20	-1.83e-05	0.0	-3.37e-05
495	47	0.02	0.08	-0.24	-3.63e-04	0.0	-5.06e-05
495	49	4.73e-03	0.09	-0.23	-4.09e-04	0.0	-6.28e-05

495	70	-0.02	-8.85e-03	-0.16	1.45e-04	0.0	9.80e-06
495	79	0.02	0.07	-0.21	-1.85e-04	0.0	-4.46e-05
495	81	5.63e-03	0.08	-0.21	-2.10e-04	0.0	-5.13e-05
495	88	-5.09e-04	0.01	-0.17	8.26e-05	0.0	-8.19e-06
495	92	-6.97e-04	0.02	-0.18	8.95e-05	0.0	-9.03e-06
495	95	-6.41e-04	0.02	-0.18	8.99e-05	0.0	-8.97e-06
495	101	-5.58e-04	0.02	-0.18	8.39e-05	0.0	-8.37e-06
495	106	-5.09e-04	0.01	-0.17	8.26e-05	0.0	-8.19e-06
496	4	-8.93e-04	0.02	-0.24	1.07e-04	0.0	-2.76e-05
496	11	-8.06e-04	0.02	-0.24	1.08e-04	0.0	-2.76e-05
496	35	0.04	0.04	-0.20	-2.09e-05	0.0	-4.30e-05
496	47	0.02	0.08	-0.24	-3.40e-04	0.0	-5.75e-05
496	49	5.21e-03	0.08	-0.23	-3.82e-04	0.0	-6.95e-05
496	70	-0.02	-8.43e-03	-0.16	1.32e-04	0.0	0.0
496	79	0.02	0.07	-0.22	-1.73e-04	0.0	-5.61e-05
496	81	6.01e-03	0.07	-0.21	-1.96e-04	0.0	-6.26e-05
496	88	-4.17e-04	0.01	-0.17	7.41e-05	0.0	-1.89e-05
496	92	-6.16e-04	0.01	-0.18	8.02e-05	0.0	-2.06e-05
496	95	-5.58e-04	0.01	-0.18	8.07e-05	0.0	-2.06e-05
496	101	-4.69e-04	0.01	-0.18	7.53e-05	0.0	-1.92e-05
496	106	-4.17e-04	0.01	-0.17	7.41e-05	0.0	-1.89e-05
497	4	-7.72e-04	0.02	-0.24	8.16e-05	-6.67e-06	-4.18e-05
497	11	-6.74e-04	0.02	-0.24	8.22e-05	-5.03e-06	-4.21e-05
497	35	0.04	0.04	-0.21	-3.13e-05	5.43e-05	-5.41e-05
497	47	0.02	0.07	-0.25	-3.23e-04	6.64e-05	-6.62e-05
497	49	5.62e-03	0.08	-0.24	-3.59e-04	4.45e-05	-7.88e-05
497	70	-0.02	-9.07e-03	-0.15	1.10e-04	-3.30e-05	-9.62e-06
497	79	0.02	0.06	-0.22	-1.70e-04	4.16e-05	-6.82e-05
497	81	6.36e-03	0.07	-0.22	-1.90e-04	2.95e-05	-7.50e-05
497	88	-3.12e-04	0.01	-0.17	5.63e-05	-1.02e-06	-2.90e-05
497	92	-5.20e-04	0.01	-0.18	6.11e-05	-4.06e-06	-3.13e-05
497	95	-4.55e-04	0.01	-0.18	6.15e-05	-2.96e-06	-3.15e-05
497	101	-3.66e-04	0.01	-0.18	5.72e-05	-1.85e-06	-2.94e-05
497	106	-3.12e-04	0.01	-0.17	5.63e-05	-1.02e-06	-2.90e-05
498	4	-2.59e-03	-8.76e-03	-0.25	1.14e-04	-5.93e-04	-1.06e-05
498	9	-6.28e-04	-8.28e-03	-0.26	1.17e-04	-6.46e-04	-1.00e-05
498	11	-2.08e-03	-8.79e-03	-0.26	1.17e-04	-6.49e-04	-1.06e-05
498	33	-0.27	0.21	-0.16	9.50e-05	-9.10e-04	9.33e-05
498	42	-0.05	-0.55	-0.21	1.21e-05	-5.88e-04	-2.38e-04
498	44	0.11	-0.54	-0.22	2.02e-05	-2.79e-04	-2.29e-04
498	65	-0.15	0.11	-0.17	9.04e-05	-6.81e-04	4.38e-05
498	74	-0.03	-0.30	-0.20	4.58e-05	-5.04e-04	-1.20e-04
498	76	0.06	-0.29	-0.21	5.02e-05	-3.34e-04	-1.15e-04
498	87	-1.65e-04	-5.92e-03	-0.19	8.53e-05	-4.00e-04	-7.25e-06
498	88	-5.80e-04	-6.06e-03	-0.19	8.53e-05	-4.00e-04	-7.43e-06
498	92	-1.62e-03	-6.56e-03	-0.19	8.71e-05	-4.40e-04	-7.99e-06
498	93	-3.15e-04	-6.24e-03	-0.19	8.91e-05	-4.76e-04	-7.56e-06
498	95	-1.28e-03	-6.58e-03	-0.19	8.90e-05	-4.78e-04	-7.97e-06
498	101	-8.57e-04	-6.16e-03	-0.19	8.52e-05	-4.01e-04	-7.54e-06
498	102	-1.95e-04	-5.98e-03	-0.19	8.60e-05	-4.15e-04	-7.31e-06
498	105	-1.65e-04	-5.92e-03	-0.19	8.53e-05	-4.00e-04	-7.25e-06
498	106	-5.80e-04	-6.06e-03	-0.19	8.53e-05	-4.00e-04	-7.43e-06
499	4	-1.66e-03	-8.87e-03	-0.21	9.73e-05	-6.16e-04	0.0
499	16	1.02e-04	-8.24e-03	-0.22	1.06e-04	-6.16e-04	0.0
499	31	0.25	0.08	-0.20	-9.74e-05	7.61e-05	0.0
499	32	0.28	-0.23	-0.19	4.85e-04	3.94e-05	0.0
499	42	-0.03	-0.55	-0.14	9.86e-04	-6.19e-04	0.0
499	63	0.14	0.04	-0.18	-2.10e-05	-1.46e-04	0.0
499	64	0.15	-0.13	-0.18	2.98e-04	-1.67e-04	0.0
499	74	-0.02	-0.30	-0.15	5.72e-04	-5.30e-04	0.0
499	87	4.70e-04	-5.99e-03	-0.16	7.08e-05	-4.17e-04	0.0
499	88	7.29e-05	-6.14e-03	-0.16	7.10e-05	-4.18e-04	0.0
499	92	-9.22e-04	-6.64e-03	-0.16	7.38e-05	-4.58e-04	0.0
499	97	2.51e-04	-6.22e-03	-0.17	7.93e-05	-4.58e-04	0.0
499	100	4.70e-04	-5.99e-03	-0.16	7.08e-05	-4.17e-04	0.0
499	101	-1.92e-04	-6.24e-03	-0.16	7.12e-05	-4.18e-04	0.0
499	102	4.42e-04	-6.04e-03	-0.16	7.17e-05	-4.32e-04	0.0
499	105	4.70e-04	-5.99e-03	-0.16	7.08e-05	-4.17e-04	0.0
499	106	7.29e-05	-6.14e-03	-0.16	7.10e-05	-4.18e-04	0.0
500	9	1.85e-03	2.36e-03	-0.20	-1.90e-04	-6.80e-05	0.0
500	11	1.68e-03	2.50e-03	-0.20	-1.92e-04	-8.86e-05	0.0
500	35	0.03	0.01	-0.16	-1.23e-04	-1.76e-04	0.0
500	47	0.02	0.04	-0.17	-2.47e-04	-2.64e-04	0.0
500	49	2.59e-03	0.05	-0.17	-2.72e-04	-2.26e-04	0.0
500	67	0.02	0.01	-0.16	-1.23e-04	-1.25e-04	0.0
500	79	0.01	0.03	-0.16	-1.98e-04	-1.84e-04	0.0
500	81	4.10e-03	0.04	-0.16	-2.11e-04	-1.63e-04	0.0
500	87	1.36e-03	1.68e-03	-0.15	-1.17e-04	-4.81e-05	0.0
500	88	1.32e-03	1.72e-03	-0.15	-1.17e-04	-5.39e-05	0.0
500	93	1.42e-03	1.78e-03	-0.15	-1.40e-04	-5.00e-05	0.0

500	95	1.31e-03	1.87e-03	-0.15	-1.41e-04	-6.37e-05	0.0
500	101	1.28e-03	1.75e-03	-0.15	-1.17e-04	-5.78e-05	0.0
500	102	1.38e-03	1.70e-03	-0.15	-1.21e-04	-4.84e-05	0.0
500	104	1.33e-03	1.74e-03	-0.15	-1.22e-04	-5.43e-05	0.0
500	105	1.36e-03	1.68e-03	-0.15	-1.17e-04	-4.81e-05	0.0
500	106	1.32e-03	1.72e-03	-0.15	-1.17e-04	-5.39e-05	0.0
501	9	1.88e-03	-2.61e-04	-0.23	-3.64e-04	-5.06e-06	0.0
501	11	1.74e-03	-2.76e-04	-0.23	-3.64e-04	-4.96e-06	0.0
501	35	0.03	-7.66e-04	-0.17	-2.37e-04	-3.86e-05	0.0
501	39	0.01	0.02	-0.17	-2.82e-04	1.82e-05	0.0
501	42	-0.01	-0.03	-0.16	-1.51e-04	-2.52e-05	0.0
501	67	0.02	-3.91e-04	-0.17	-2.28e-04	-2.31e-05	0.0
501	71	9.95e-03	0.01	-0.17	-2.53e-04	8.03e-06	0.0
501	74	-7.30e-03	-0.01	-0.16	-1.80e-04	-1.51e-05	0.0
501	87	1.37e-03	-1.82e-04	-0.17	-2.17e-04	-3.55e-06	0.0
501	88	1.32e-03	-1.86e-04	-0.17	-2.17e-04	-3.52e-06	0.0
501	93	1.44e-03	-1.95e-04	-0.18	-2.66e-04	-3.83e-06	0.0
501	95	1.34e-03	-2.06e-04	-0.18	-2.66e-04	-3.76e-06	0.0
501	101	1.30e-03	-1.89e-04	-0.17	-2.17e-04	-3.50e-06	0.0
501	102	1.38e-03	-1.85e-04	-0.17	-2.27e-04	-3.60e-06	0.0
501	105	1.37e-03	-1.82e-04	-0.17	-2.17e-04	-3.55e-06	0.0
501	106	1.32e-03	-1.86e-04	-0.17	-2.17e-04	-3.52e-06	0.0
502	1	1.62e-03	-5.60e-03	-0.39	4.21e-05	7.35e-05	-9.38e-06
502	9	1.51e-03	-5.95e-03	-0.43	7.52e-05	7.44e-05	-9.93e-06
502	11	1.86e-04	-6.32e-03	-0.43	7.60e-05	7.45e-05	-1.05e-05
502	32	0.28	-0.20	-0.26	6.06e-04	-1.51e-04	-1.05e-04
502	39	6.87e-03	0.49	-0.38	-1.43e-03	4.08e-04	2.16e-04
502	42	-4.39e-03	-0.50	-0.21	1.49e-03	-2.95e-04	-2.30e-04
502	64	0.15	-0.11	-0.27	3.48e-04	-5.74e-05	-5.67e-05
502	71	8.53e-03	0.27	-0.34	-7.75e-04	2.48e-04	1.01e-04
502	74	-6.55e-03	-0.28	-0.25	8.35e-04	-1.36e-04	-1.16e-04
502	87	1.37e-03	-4.25e-03	-0.29	2.97e-05	5.65e-05	-7.12e-06
502	88	9.88e-04	-4.35e-03	-0.29	2.99e-05	5.65e-05	-7.29e-06
502	89	1.37e-03	-4.25e-03	-0.29	2.97e-05	5.65e-05	-7.12e-06
502	93	1.30e-03	-4.48e-03	-0.32	5.18e-05	5.71e-05	-7.49e-06
502	95	4.14e-04	-4.73e-03	-0.32	5.23e-05	5.71e-05	-7.88e-06
502	100	1.37e-03	-4.25e-03	-0.29	2.97e-05	5.65e-05	-7.12e-06
502	101	7.36e-04	-4.42e-03	-0.29	3.01e-05	5.65e-05	-7.40e-06
502	102	1.35e-03	-4.30e-03	-0.30	3.41e-05	5.66e-05	-7.19e-06
502	105	1.37e-03	-4.25e-03	-0.29	2.97e-05	5.65e-05	-7.12e-06
502	106	9.88e-04	-4.35e-03	-0.29	2.99e-05	5.65e-05	-7.29e-06
503	9	1.68e-03	-4.77e-05	-0.20	-4.10e-04	-3.26e-06	0.0
503	11	1.52e-03	-5.13e-05	-0.20	-4.10e-04	-3.39e-06	0.0
503	35	0.03	4.80e-04	-0.14	-2.65e-04	2.71e-05	0.0
503	42	-8.93e-03	-0.02	-0.15	-2.35e-04	-1.87e-05	0.0
503	67	0.02	5.91e-04	-0.14	-2.59e-04	1.39e-05	0.0
503	74	-6.05e-03	-0.01	-0.15	-2.42e-04	-1.16e-05	0.0
503	87	1.22e-03	-3.05e-05	-0.14	-2.52e-04	-2.37e-06	0.0
503	88	1.18e-03	-3.15e-05	-0.14	-2.52e-04	-2.41e-06	0.0
503	93	1.29e-03	-3.51e-05	-0.15	-3.02e-04	-2.47e-06	0.0
503	95	1.18e-03	-3.75e-05	-0.15	-3.02e-04	-2.56e-06	0.0
503	102	1.24e-03	-3.14e-05	-0.15	-2.62e-04	-2.39e-06	0.0
503	104	1.19e-03	-3.24e-05	-0.15	-2.62e-04	-2.43e-06	0.0
503	105	1.22e-03	-3.05e-05	-0.14	-2.52e-04	-2.37e-06	0.0
503	106	1.18e-03	-3.15e-05	-0.14	-2.52e-04	-2.41e-06	0.0
504	4	-8.22e-03	0.02	-0.34	1.10e-04	-1.35e-05	0.0
504	11	-7.67e-03	0.02	-0.35	1.06e-04	-1.16e-05	0.0
504	33	-0.27	0.05	-0.21	-2.87e-05	1.87e-04	0.0
504	48	0.11	-0.32	-0.33	8.11e-04	-7.31e-06	0.0
504	49	-0.12	0.35	-0.15	-6.62e-04	-2.98e-06	0.0
504	65	-0.15	0.04	-0.23	1.99e-05	9.83e-05	0.0
504	80	0.06	-0.20	-0.30	5.12e-04	-2.40e-06	0.0
504	81	-0.07	0.22	-0.19	-3.38e-04	-9.93e-06	0.0
504	88	-4.51e-03	0.01	-0.24	8.69e-05	-6.17e-06	0.0
504	92	-5.85e-03	0.01	-0.26	8.55e-05	-9.29e-06	0.0
504	95	-5.48e-03	0.01	-0.26	8.27e-05	-7.99e-06	0.0
504	101	-4.85e-03	0.01	-0.24	8.72e-05	-7.05e-06	0.0
504	104	-4.57e-03	0.01	-0.25	8.60e-05	-6.18e-06	0.0
504	106	-4.51e-03	0.01	-0.24	8.69e-05	-6.17e-06	0.0
505	4	-8.25e-03	0.02	-0.31	9.29e-05	-5.50e-04	0.0
505	11	-7.69e-03	0.02	-0.31	8.91e-05	-5.95e-04	0.0
505	34	-0.28	-0.07	-0.25	1.97e-04	-4.04e-04	0.0
505	49	-0.12	0.33	-0.13	-6.71e-04	-4.37e-04	0.0
505	50	-0.04	-0.29	-0.32	7.63e-04	-3.36e-04	0.0
505	66	-0.15	-0.04	-0.24	1.50e-04	-3.88e-04	0.0
505	81	-0.07	0.22	-0.17	-3.50e-04	-4.15e-04	0.0
505	82	-0.02	-0.18	-0.28	4.80e-04	-3.49e-04	0.0
505	88	-4.52e-03	0.01	-0.22	7.37e-05	-3.76e-04	0.0
505	92	-5.86e-03	0.01	-0.23	7.21e-05	-4.10e-04	0.0
505	95	-5.50e-03	0.01	-0.24	6.96e-05	-4.40e-04	0.0

505	101	-4.86e-03	0.01	-0.22	7.39e-05	-3.77e-04	0.0
505	104	-4.58e-03	0.01	-0.22	7.28e-05	-3.88e-04	0.0
505	106	-4.52e-03	0.01	-0.22	7.37e-05	-3.76e-04	0.0
506	4	-8.26e-03	0.02	-0.25	8.55e-05	-2.54e-04	0.0
506	11	-7.71e-03	0.02	-0.26	8.45e-05	-2.73e-04	0.0
506	34	-0.28	-0.07	-0.19	2.83e-04	-2.91e-04	0.0
506	48	0.11	-0.30	-0.29	7.90e-04	4.34e-05	0.0
506	49	-0.12	0.32	-0.07	-6.78e-04	-3.86e-04	0.0
506	66	-0.15	-0.04	-0.19	1.94e-04	-2.91e-04	0.0
506	80	0.06	-0.19	-0.25	4.91e-04	-4.79e-05	0.0
506	81	-0.07	0.21	-0.12	-3.59e-04	-2.98e-04	0.0
506	88	-4.53e-03	0.01	-0.18	6.60e-05	-1.73e-04	0.0
506	92	-5.87e-03	0.01	-0.19	6.59e-05	-1.89e-04	0.0
506	95	-5.51e-03	0.01	-0.19	6.52e-05	-2.02e-04	0.0
506	101	-4.87e-03	0.01	-0.18	6.61e-05	-1.73e-04	0.0
506	106	-4.53e-03	0.01	-0.18	6.60e-05	-1.73e-04	0.0
507	4	-8.24e-03	0.01	-0.25	6.55e-05	-5.14e-05	0.0
507	11	-7.70e-03	0.01	-0.25	6.56e-05	-4.99e-05	0.0
507	34	-0.28	-0.07	-0.18	2.01e-04	1.36e-04	0.0
507	48	0.11	-0.29	-0.31	7.81e-04	2.17e-04	0.0
507	49	-0.12	0.31	-0.04	-6.88e-04	-2.73e-04	0.0
507	66	-0.15	-0.04	-0.18	1.42e-04	6.39e-05	0.0
507	80	0.06	-0.18	-0.26	4.78e-04	1.14e-04	0.0
507	81	-0.07	0.20	-0.09	-3.75e-04	-1.75e-04	0.0
507	88	-4.51e-03	9.19e-03	-0.18	5.14e-05	-3.03e-05	0.0
507	92	-5.86e-03	9.90e-03	-0.19	5.07e-05	-3.71e-05	0.0
507	95	-5.50e-03	9.93e-03	-0.19	5.07e-05	-3.61e-05	0.0
507	101	-4.86e-03	9.33e-03	-0.18	5.13e-05	-3.18e-05	0.0
507	106	-4.51e-03	9.19e-03	-0.18	5.14e-05	-3.03e-05	0.0
508	4	-8.07e-03	0.01	-0.24	5.11e-05	6.06e-05	0.0
508	11	-7.53e-03	0.01	-0.24	5.34e-05	7.60e-05	0.0
508	34	-0.28	-0.05	-0.18	1.97e-04	5.56e-05	0.0
508	48	0.11	-0.28	-0.32	7.53e-04	-6.75e-06	0.0
508	49	-0.12	0.30	-0.02	-6.76e-04	1.10e-04	0.0
508	66	-0.15	-0.03	-0.18	1.34e-04	5.04e-05	0.0
508	80	0.06	-0.17	-0.26	4.56e-04	1.23e-05	0.0
508	81	-0.07	0.19	-0.08	-3.77e-04	8.68e-05	0.0
508	88	-4.40e-03	7.79e-03	-0.17	3.96e-05	4.96e-05	0.0
508	92	-5.73e-03	8.39e-03	-0.18	3.94e-05	4.72e-05	0.0
508	95	-5.37e-03	8.40e-03	-0.18	4.09e-05	5.75e-05	0.0
508	101	-4.74e-03	7.91e-03	-0.17	3.93e-05	4.70e-05	0.0
508	104	-4.45e-03	7.87e-03	-0.17	4.00e-05	5.21e-05	0.0
508	106	-4.40e-03	7.79e-03	-0.17	3.96e-05	4.96e-05	0.0
509	4	-7.91e-03	9.91e-03	-0.26	2.30e-05	7.52e-05	0.0
509	11	-7.36e-03	9.94e-03	-0.26	1.84e-05	9.89e-05	0.0
509	34	-0.28	-0.05	-0.20	2.78e-04	8.72e-05	0.0
509	48	0.11	-0.27	-0.31	7.80e-04	-3.70e-04	0.0
509	53	-0.12	0.29	-0.07	-7.24e-04	4.99e-04	0.0
509	66	-0.16	-0.03	-0.20	1.72e-04	6.95e-05	0.0
509	80	0.06	-0.17	-0.26	4.65e-04	-1.99e-04	0.0
509	85	-0.07	0.18	-0.12	-4.12e-04	3.25e-04	0.0
509	88	-4.28e-03	6.90e-03	-0.19	2.42e-05	6.44e-05	0.0
509	92	-5.61e-03	7.43e-03	-0.20	1.95e-05	5.93e-05	0.0
509	95	-5.25e-03	7.45e-03	-0.20	1.64e-05	7.51e-05	0.0
509	101	-4.62e-03	7.00e-03	-0.19	2.39e-05	6.02e-05	0.0
509	104	-4.34e-03	6.97e-03	-0.19	2.28e-05	6.82e-05	0.0
509	106	-4.28e-03	6.90e-03	-0.19	2.42e-05	6.44e-05	0.0
510	4	-7.38e-03	0.03	-0.33	-1.24e-05	5.63e-04	-1.23e-05
510	11	-6.78e-03	0.03	-0.34	-1.60e-05	6.14e-04	-1.22e-05
510	33	-0.27	0.04	-0.24	-4.57e-05	4.49e-04	6.14e-05
510	49	-0.11	0.42	-0.18	-8.56e-04	4.32e-04	-6.62e-05
510	54	-0.05	-0.36	-0.29	8.21e-04	3.70e-04	4.34e-05
510	65	-0.15	0.04	-0.24	-3.49e-05	4.18e-04	2.56e-05
510	81	-0.07	0.28	-0.20	-5.01e-04	4.12e-04	-5.54e-05
510	86	-0.02	-0.23	-0.27	4.81e-04	3.77e-04	3.51e-05
510	88	-3.94e-03	0.02	-0.23	-3.53e-06	3.87e-04	-8.60e-06
510	92	-5.22e-03	0.02	-0.25	-7.88e-06	4.20e-04	-9.25e-06
510	95	-4.82e-03	0.02	-0.25	-1.03e-05	4.54e-04	-9.16e-06
510	101	-4.28e-03	0.02	-0.23	-3.91e-06	3.87e-04	-8.75e-06
510	104	-3.98e-03	0.02	-0.24	-4.73e-06	4.00e-04	-8.65e-06
510	106	-3.94e-03	0.02	-0.23	-3.53e-06	3.87e-04	-8.60e-06
511	4	-7.93e-03	9.26e-03	-0.26	8.69e-06	-1.04e-04	0.0
511	11	-7.39e-03	9.29e-03	-0.26	1.48e-06	-9.63e-05	0.0
511	34	-0.28	-0.05	-0.20	1.98e-04	-1.09e-05	0.0
511	48	0.11	-0.27	-0.28	7.65e-04	-5.08e-04	0.0
511	53	-0.12	0.28	-0.09	-7.39e-04	3.88e-04	0.0
511	66	-0.16	-0.03	-0.20	1.24e-04	-4.11e-05	0.0
511	80	0.06	-0.16	-0.24	4.53e-04	-3.31e-04	0.0
511	85	-0.07	0.18	-0.13	-4.24e-04	2.08e-04	0.0
511	88	-4.30e-03	6.45e-03	-0.19	1.58e-05	-6.05e-05	0.0

511	92	-5.63e-03	6.94e-03	-0.19	9.20e-06	-7.51e-05	0.0
511	95	-5.27e-03	6.96e-03	-0.20	4.39e-06	-6.97e-05	0.0
511	101	-4.64e-03	6.54e-03	-0.19	1.54e-05	-6.45e-05	0.0
511	104	-4.36e-03	6.51e-03	-0.19	1.36e-05	-6.07e-05	0.0
511	106	-4.30e-03	6.45e-03	-0.19	1.58e-05	-6.05e-05	0.0
512	4	-7.91e-03	7.96e-03	-0.24	-1.30e-05	-2.03e-05	0.0
512	11	-7.37e-03	7.99e-03	-0.25	-2.41e-05	-1.33e-05	0.0
512	34	-0.28	-0.06	-0.19	2.00e-04	-1.04e-04	0.0
512	52	0.11	-0.27	-0.24	8.01e-04	-2.16e-04	0.0
512	53	-0.12	0.28	-0.12	-7.97e-04	2.02e-04	0.0
512	66	-0.16	-0.03	-0.18	1.19e-04	-6.42e-05	0.0
512	84	0.06	-0.16	-0.21	4.67e-04	-1.35e-04	0.0
512	85	-0.07	0.17	-0.14	-4.63e-04	1.19e-04	0.0
512	88	-4.28e-03	5.54e-03	-0.18	2.25e-06	-8.04e-06	0.0
512	92	-5.61e-03	5.97e-03	-0.18	-6.61e-06	-1.37e-05	0.0
512	95	-5.25e-03	5.99e-03	-0.19	-1.40e-05	-9.00e-06	0.0
512	101	-4.62e-03	5.62e-03	-0.18	1.95e-06	-1.01e-05	0.0
512	104	-4.34e-03	5.60e-03	-0.18	0.0	-7.41e-06	0.0
512	106	-4.28e-03	5.54e-03	-0.18	2.25e-06	-8.04e-06	0.0
513	4	-7.85e-03	6.42e-03	-0.26	-2.81e-05	7.73e-05	0.0
513	9	-5.56e-03	6.11e-03	-0.26	-4.28e-05	8.80e-05	0.0
513	11	-7.32e-03	6.44e-03	-0.26	-4.40e-05	8.57e-05	0.0
513	34	-0.28	-0.06	-0.20	1.97e-04	1.02e-04	0.0
513	44	1.90e-05	-0.28	-0.23	8.84e-04	2.61e-06	0.0
513	45	-7.89e-03	0.29	-0.15	-8.95e-04	1.07e-04	0.0
513	66	-0.16	-0.04	-0.19	1.14e-04	7.87e-05	0.0
513	76	3.43e-03	-0.17	-0.21	5.09e-04	2.05e-05	0.0
513	77	-0.01	0.17	-0.16	-5.20e-04	8.86e-05	0.0
513	87	-3.74e-03	4.38e-03	-0.19	-4.90e-06	5.52e-05	0.0
513	88	-4.24e-03	4.47e-03	-0.19	-5.25e-06	5.46e-05	0.0
513	92	-5.57e-03	4.81e-03	-0.19	-1.70e-05	5.81e-05	0.0
513	93	-4.04e-03	4.60e-03	-0.20	-2.68e-05	6.51e-05	0.0
513	95	-5.22e-03	4.83e-03	-0.20	-2.77e-05	6.37e-05	0.0
513	101	-4.58e-03	4.54e-03	-0.19	-5.48e-06	5.42e-05	0.0
513	102	-3.80e-03	4.42e-03	-0.19	-9.29e-06	5.72e-05	0.0
513	105	-3.74e-03	4.38e-03	-0.19	-4.90e-06	5.52e-05	0.0
513	106	-4.24e-03	4.47e-03	-0.19	-5.25e-06	5.46e-05	0.0
514	4	-7.81e-03	5.18e-03	-0.25	-4.30e-05	-6.22e-05	0.0
514	9	-5.52e-03	4.93e-03	-0.26	-6.02e-05	-6.80e-05	0.0
514	11	-7.28e-03	5.20e-03	-0.26	-6.12e-05	-6.77e-05	0.0
514	34	-0.28	-0.06	-0.20	2.01e-04	-3.33e-05	0.0
514	45	-7.36e-03	0.30	-0.15	-9.73e-04	-1.47e-05	0.0
514	46	-0.15	-0.28	-0.23	9.04e-04	-6.14e-05	0.0
514	66	-0.16	-0.04	-0.20	1.11e-04	-3.90e-05	0.0
514	77	-0.01	0.18	-0.16	-5.66e-04	-2.61e-05	0.0
514	78	-0.08	-0.17	-0.21	5.14e-04	-5.50e-05	0.0
514	87	-3.70e-03	3.54e-03	-0.19	-1.47e-05	-4.31e-05	0.0
514	88	-4.21e-03	3.62e-03	-0.19	-1.50e-05	-4.30e-05	0.0
514	92	-5.53e-03	3.89e-03	-0.19	-2.80e-05	-4.65e-05	0.0
514	93	-4.01e-03	3.72e-03	-0.20	-3.95e-05	-5.03e-05	0.0
514	95	-5.18e-03	3.90e-03	-0.20	-4.01e-05	-5.02e-05	0.0
514	101	-4.54e-03	3.67e-03	-0.19	-1.52e-05	-4.30e-05	0.0
514	102	-3.76e-03	3.58e-03	-0.19	-1.97e-05	-4.45e-05	0.0
514	105	-3.70e-03	3.54e-03	-0.19	-1.47e-05	-4.31e-05	0.0
514	106	-4.21e-03	3.62e-03	-0.19	-1.50e-05	-4.30e-05	0.0
515	4	-7.77e-03	4.29e-03	-0.26	-4.28e-05	2.09e-04	0.0
515	9	-5.49e-03	4.08e-03	-0.26	-6.05e-05	2.28e-04	0.0
515	11	-7.25e-03	4.31e-03	-0.26	-6.13e-05	2.28e-04	0.0
515	34	-0.28	-0.07	-0.20	2.04e-04	4.56e-05	0.0
515	39	0.15	0.32	-0.15	-1.02e-03	1.65e-04	0.0
515	40	-1.67e-03	-0.30	-0.23	9.39e-04	1.82e-04	0.0
515	66	-0.16	-0.04	-0.19	1.13e-04	8.99e-05	0.0
515	71	0.07	0.19	-0.17	-5.91e-04	1.56e-04	0.0
515	72	2.50e-03	-0.17	-0.21	5.33e-04	1.65e-04	0.0
515	87	-3.68e-03	2.93e-03	-0.19	-1.46e-05	1.44e-04	0.0
515	88	-4.18e-03	3.00e-03	-0.19	-1.48e-05	1.44e-04	0.0
515	92	-5.51e-03	3.22e-03	-0.19	-2.79e-05	1.56e-04	0.0
515	93	-3.98e-03	3.08e-03	-0.20	-3.97e-05	1.69e-04	0.0
515	95	-5.16e-03	3.23e-03	-0.20	-4.02e-05	1.69e-04	0.0
515	101	-4.52e-03	3.04e-03	-0.19	-1.50e-05	1.44e-04	0.0
515	102	-3.74e-03	2.96e-03	-0.19	-1.96e-05	1.49e-04	0.0
515	105	-3.68e-03	2.93e-03	-0.19	-1.46e-05	1.44e-04	0.0
515	106	-4.18e-03	3.00e-03	-0.19	-1.48e-05	1.44e-04	0.0
516	4	-7.75e-03	2.79e-03	-0.31	-3.80e-05	3.99e-04	0.0
516	9	-5.48e-03	2.66e-03	-0.33	-5.89e-05	4.32e-04	0.0
516	11	-7.23e-03	2.80e-03	-0.33	-5.94e-05	4.33e-04	0.0
516	34	-0.28	-0.07	-0.24	2.18e-04	3.64e-04	0.0
516	39	0.15	0.34	-0.19	-1.10e-03	2.05e-04	0.0
516	40	-1.84e-03	-0.32	-0.28	1.01e-03	2.97e-04	0.0
516	66	-0.16	-0.04	-0.23	1.22e-04	3.23e-04	0.0

516	71	0.07	0.20	-0.20	-6.29e-04	2.37e-04	0.0
516	72	2.40e-03	-0.18	-0.26	5.75e-04	2.86e-04	0.0
516	87	-3.67e-03	1.92e-03	-0.23	-8.65e-06	2.74e-04	0.0
516	88	-4.17e-03	1.95e-03	-0.23	-8.79e-06	2.74e-04	0.0
516	92	-5.49e-03	2.09e-03	-0.24	-2.35e-05	2.97e-04	0.0
516	93	-3.98e-03	2.01e-03	-0.25	-3.74e-05	3.19e-04	0.0
516	95	-5.14e-03	2.10e-03	-0.25	-3.78e-05	3.20e-04	0.0
516	101	-4.50e-03	1.98e-03	-0.23	-8.89e-06	2.74e-04	0.0
516	102	-3.73e-03	1.93e-03	-0.23	-1.44e-05	2.83e-04	0.0
516	105	-3.67e-03	1.92e-03	-0.23	-8.65e-06	2.74e-04	0.0
516	106	-4.17e-03	1.95e-03	-0.23	-8.79e-06	2.74e-04	0.0
517	4	-7.75e-03	1.57e-03	-0.33	-3.12e-05	-1.87e-04	0.0
517	9	-5.49e-03	1.51e-03	-0.34	-5.28e-05	-2.05e-04	0.0
517	11	-7.24e-03	1.58e-03	-0.34	-5.31e-05	-2.04e-04	0.0
517	34	-0.28	-0.07	-0.26	2.32e-04	-1.49e-05	0.0
517	39	0.15	0.36	-0.19	-1.16e-03	-2.07e-04	0.0
517	42	-0.15	-0.36	-0.29	1.15e-03	-5.30e-05	0.0
517	66	-0.16	-0.04	-0.25	1.32e-04	-6.71e-05	0.0
517	71	0.07	0.21	-0.21	-6.57e-04	-1.71e-04	0.0
517	74	-0.08	-0.20	-0.27	6.50e-04	-8.89e-05	0.0
517	87	-3.67e-03	1.09e-03	-0.24	-3.41e-06	-1.30e-04	0.0
517	88	-4.17e-03	1.11e-03	-0.24	-3.48e-06	-1.30e-04	0.0
517	92	-5.49e-03	1.18e-03	-0.25	-1.83e-05	-1.40e-04	0.0
517	93	-3.98e-03	1.14e-03	-0.26	-3.26e-05	-1.52e-04	0.0
517	95	-5.15e-03	1.19e-03	-0.26	-3.28e-05	-1.51e-04	0.0
517	101	-4.50e-03	1.13e-03	-0.24	-3.53e-06	-1.30e-04	0.0
517	102	-3.73e-03	1.10e-03	-0.24	-9.26e-06	-1.35e-04	0.0
517	105	-3.67e-03	1.09e-03	-0.24	-3.41e-06	-1.30e-04	0.0
517	106	-4.17e-03	1.11e-03	-0.24	-3.48e-06	-1.30e-04	0.0
518	4	-7.74e-03	-4.18e-04	-0.26	-4.06e-05	-2.17e-04	0.0
518	11	-7.23e-03	-4.22e-04	-0.26	-6.09e-05	-2.36e-04	0.0
518	34	-0.28	-0.08	-0.21	2.33e-04	-2.55e-04	0.0
518	42	-0.15	-0.39	-0.24	1.25e-03	-2.02e-04	0.0
518	66	-0.16	-0.04	-0.20	1.27e-04	-2.07e-04	0.0
518	74	-0.08	-0.22	-0.22	6.97e-04	-1.78e-04	0.0
518	88	-4.16e-03	-2.70e-04	-0.19	-1.25e-05	-1.49e-04	0.0
518	92	-5.48e-03	-3.08e-04	-0.19	-2.59e-05	-1.62e-04	0.0
518	95	-5.15e-03	-3.11e-04	-0.20	-3.95e-05	-1.75e-04	0.0
518	101	-4.49e-03	-2.77e-04	-0.19	-1.25e-05	-1.49e-04	0.0
518	104	-4.22e-03	-2.76e-04	-0.19	-1.79e-05	-1.54e-04	0.0
518	106	-4.16e-03	-2.70e-04	-0.19	-1.25e-05	-1.49e-04	0.0
519	4	-7.73e-03	-8.32e-04	-0.25	-4.36e-05	-3.03e-05	0.0
519	11	-7.23e-03	-8.38e-04	-0.26	-6.43e-05	-3.25e-05	0.0
519	34	-0.28	-0.08	-0.20	2.32e-04	-9.40e-05	0.0
519	42	-0.15	-0.40	-0.24	1.27e-03	-6.40e-05	0.0
519	66	-0.16	-0.04	-0.19	1.25e-04	-6.11e-05	0.0
519	74	-0.08	-0.23	-0.21	7.05e-04	-4.45e-05	0.0
519	88	-4.15e-03	-5.58e-04	-0.19	-1.45e-05	-2.08e-05	0.0
519	92	-5.48e-03	-6.18e-04	-0.19	-2.82e-05	-2.26e-05	0.0
519	95	-5.14e-03	-6.22e-04	-0.20	-4.20e-05	-2.41e-05	0.0
519	101	-4.49e-03	-5.69e-04	-0.19	-1.45e-05	-2.09e-05	0.0
519	104	-4.22e-03	-5.66e-04	-0.19	-2.00e-05	-2.14e-05	0.0
519	106	-4.15e-03	-5.58e-04	-0.19	-1.45e-05	-2.08e-05	0.0
520	4	-7.72e-03	-2.01e-03	-0.26	-3.21e-05	3.19e-05	0.0
520	11	-7.21e-03	-2.02e-03	-0.27	-5.27e-05	3.48e-05	0.0
520	34	-0.28	-0.08	-0.20	2.46e-04	1.06e-04	0.0
520	42	-0.15	-0.42	-0.24	1.33e-03	7.43e-05	0.0
520	66	-0.16	-0.05	-0.19	1.36e-04	6.76e-05	0.0
520	74	-0.08	-0.24	-0.22	7.41e-04	4.93e-05	0.0
520	88	-4.14e-03	-1.38e-03	-0.19	-6.00e-06	2.14e-05	0.0
520	92	-5.46e-03	-1.50e-03	-0.20	-1.94e-05	2.36e-05	0.0
520	95	-5.13e-03	-1.51e-03	-0.20	-3.32e-05	2.56e-05	0.0
520	101	-4.47e-03	-1.40e-03	-0.19	-5.94e-06	2.15e-05	0.0
520	104	-4.21e-03	-1.39e-03	-0.19	-1.15e-05	2.22e-05	0.0
520	106	-4.14e-03	-1.38e-03	-0.19	-6.00e-06	2.14e-05	0.0
521	4	-7.71e-03	-3.23e-03	-0.26	-3.47e-05	9.23e-06	0.0
521	11	-7.21e-03	-3.25e-03	-0.26	-5.43e-05	9.68e-06	0.0
521	34	-0.28	-0.08	-0.21	2.47e-04	1.14e-05	0.0
521	42	-0.15	-0.44	-0.25	1.38e-03	7.48e-05	0.0
521	66	-0.16	-0.05	-0.20	1.34e-04	9.11e-06	0.0
521	74	-0.08	-0.25	-0.22	7.63e-04	4.35e-05	0.0
521	88	-4.14e-03	-2.22e-03	-0.19	-9.06e-06	6.73e-06	0.0
521	92	-5.46e-03	-2.41e-03	-0.19	-2.17e-05	7.00e-06	0.0
521	95	-5.13e-03	-2.43e-03	-0.20	-3.48e-05	7.30e-06	0.0
521	101	-4.47e-03	-2.26e-03	-0.19	-8.97e-06	6.72e-06	0.0
521	104	-4.20e-03	-2.25e-03	-0.19	-1.42e-05	6.84e-06	0.0
521	106	-4.14e-03	-2.22e-03	-0.19	-9.06e-06	6.73e-06	0.0
522	4	-7.71e-03	-4.07e-03	-0.27	-2.31e-05	4.07e-04	0.0
522	11	-7.21e-03	-4.09e-03	-0.28	-4.05e-05	4.42e-04	0.0
522	34	-0.28	-0.08	-0.21	2.56e-04	2.34e-04	0.0

522	40	-2.64e-04	-0.41	-0.26	1.29e-03	4.63e-04	0.0
522	42	-0.15	-0.46	-0.26	1.42e-03	4.05e-04	0.0
522	66	-0.16	-0.05	-0.20	1.42e-04	2.56e-04	0.0
522	72	3.24e-03	-0.23	-0.23	7.16e-04	3.82e-04	0.0
522	74	-0.08	-0.25	-0.23	7.90e-04	3.50e-04	0.0
522	88	-4.13e-03	-2.80e-03	-0.20	-2.45e-06	2.82e-04	0.0
522	92	-5.46e-03	-3.04e-03	-0.20	-1.35e-05	3.04e-04	0.0
522	95	-5.13e-03	-3.06e-03	-0.21	-2.50e-05	3.27e-04	0.0
522	101	-4.46e-03	-2.85e-03	-0.20	-2.34e-06	2.82e-04	0.0
522	104	-4.20e-03	-2.84e-03	-0.20	-7.01e-06	2.91e-04	0.0
522	106	-4.13e-03	-2.80e-03	-0.20	-2.45e-06	2.82e-04	0.0
523	4	-7.47e-03	0.03	-0.36	2.07e-06	-1.02e-04	-1.43e-05
523	11	-6.88e-03	0.03	-0.37	-4.39e-06	-1.11e-04	-1.43e-05
523	33	-0.27	0.04	-0.27	-4.22e-05	7.75e-05	6.15e-05
523	49	-0.11	0.41	-0.21	-8.02e-04	2.45e-05	-7.54e-05
523	54	-0.05	-0.36	-0.31	7.86e-04	-8.60e-05	4.95e-05
523	65	-0.15	0.04	-0.26	-2.61e-05	1.14e-05	2.51e-05
523	81	-0.07	0.27	-0.22	-4.61e-04	-1.56e-05	-6.10e-05
523	86	-0.02	-0.23	-0.29	4.66e-04	-8.09e-05	3.78e-05
523	88	-4.00e-03	0.02	-0.25	8.67e-06	-7.04e-05	-9.94e-06
523	92	-5.29e-03	0.02	-0.27	3.57e-06	-7.63e-05	-1.07e-05
523	95	-4.90e-03	0.02	-0.28	0.0	-8.25e-05	-1.07e-05
523	101	-4.34e-03	0.02	-0.25	8.51e-06	-7.03e-05	-1.01e-05
523	104	-4.04e-03	0.02	-0.26	6.85e-06	-7.28e-05	-1.00e-05
523	106	-4.00e-03	0.02	-0.25	8.67e-06	-7.04e-05	-9.94e-06
524	11	-3.77e-03	0.01	-0.25	-8.30e-05	-1.11e-05	8.11e-06
524	18	-3.92e-03	0.01	-0.24	-8.17e-05	-1.15e-05	7.75e-06
524	29	-0.04	0.11	-0.19	-3.23e-04	-1.58e-04	1.21e-05
524	49	-0.03	0.20	-0.14	-6.00e-04	-3.78e-05	-3.09e-05
524	54	1.55e-03	-0.17	-0.23	4.76e-04	-7.13e-05	5.63e-05
524	61	-0.03	0.07	-0.18	-2.16e-04	-8.93e-05	7.76e-06
524	81	-0.02	0.14	-0.15	-3.97e-04	-2.29e-05	-2.08e-05
524	86	2.47e-03	-0.12	-0.21	2.74e-04	-4.05e-05	3.77e-05
524	88	-2.54e-03	8.28e-03	-0.18	-5.74e-05	-5.55e-06	5.59e-06
524	95	-2.80e-03	9.03e-03	-0.19	-6.22e-05	-8.01e-06	6.07e-06
524	99	-2.90e-03	8.90e-03	-0.18	-6.14e-05	-7.60e-06	5.83e-06
524	101	-2.60e-03	8.39e-03	-0.18	-5.80e-05	-5.21e-06	5.68e-06
524	106	-2.54e-03	8.28e-03	-0.18	-5.74e-05	-5.55e-06	5.59e-06
525	11	-3.70e-03	0.01	-0.25	-1.30e-04	1.82e-06	-3.98e-06
525	18	-3.86e-03	0.01	-0.25	-1.28e-04	0.0	-3.69e-06
525	29	-0.04	0.10	-0.19	-3.54e-04	-1.21e-05	-4.19e-05
525	49	-0.03	0.19	-0.14	-6.33e-04	1.88e-05	-6.18e-05
525	54	2.03e-03	-0.17	-0.22	4.51e-04	-3.17e-05	5.85e-05
525	61	-0.03	0.07	-0.18	-2.48e-04	-5.05e-06	-2.55e-05
525	81	-0.02	0.14	-0.15	-4.36e-04	1.38e-05	-4.14e-05
525	86	2.76e-03	-0.12	-0.21	2.31e-04	-1.78e-05	3.52e-05
525	88	-2.50e-03	8.51e-03	-0.18	-8.84e-05	1.37e-06	-2.27e-06
525	95	-2.75e-03	9.24e-03	-0.19	-9.71e-05	1.41e-06	-2.88e-06
525	99	-2.86e-03	9.12e-03	-0.18	-9.56e-05	0.0	-2.69e-06
525	101	-2.57e-03	8.64e-03	-0.18	-8.98e-05	1.33e-06	-2.30e-06
525	106	-2.50e-03	8.51e-03	-0.18	-8.84e-05	1.37e-06	-2.27e-06
526	11	-3.66e-03	0.01	-0.25	-1.84e-04	2.59e-06	-9.42e-06
526	18	-3.83e-03	0.01	-0.24	-1.81e-04	1.00e-06	-9.19e-06
526	29	-0.04	0.10	-0.19	-3.93e-04	-3.82e-05	-4.36e-05
526	49	-0.03	0.18	-0.14	-6.77e-04	-6.73e-06	-6.30e-05
526	54	2.62e-03	-0.16	-0.22	4.49e-04	-1.65e-05	4.83e-05
526	61	-0.03	0.07	-0.18	-2.88e-04	-1.96e-05	-2.85e-05
526	81	-0.02	0.13	-0.15	-4.80e-04	0.0	-4.49e-05
526	86	3.17e-03	-0.11	-0.21	2.03e-04	-9.37e-06	3.07e-05
526	88	-2.47e-03	8.08e-03	-0.18	-1.25e-04	1.74e-06	-6.34e-06
526	95	-2.71e-03	8.75e-03	-0.19	-1.37e-04	2.00e-06	-7.02e-06
526	99	-2.83e-03	8.65e-03	-0.18	-1.35e-04	0.0	-6.87e-06
526	101	-2.55e-03	8.20e-03	-0.18	-1.27e-04	1.57e-06	-6.44e-06
526	106	-2.47e-03	8.08e-03	-0.18	-1.25e-04	1.74e-06	-6.34e-06
527	11	-3.62e-03	0.01	-0.25	-2.22e-04	2.19e-06	-1.13e-05
527	18	-3.78e-03	0.01	-0.24	-2.19e-04	0.0	-1.10e-05
527	29	-0.04	0.09	-0.18	-4.23e-04	-3.43e-05	-4.55e-05
527	49	-0.03	0.18	-0.14	-7.14e-04	-8.63e-06	-6.50e-05
527	54	3.29e-03	-0.15	-0.22	4.41e-04	-1.07e-05	4.64e-05
527	61	-0.03	0.06	-0.18	-3.17e-04	-1.78e-05	-3.02e-05
527	81	-0.02	0.13	-0.15	-5.15e-04	-2.79e-06	-4.65e-05
527	86	3.66e-03	-0.11	-0.20	1.84e-04	-6.03e-06	2.98e-05
527	88	-2.42e-03	7.51e-03	-0.18	-1.51e-04	1.60e-06	-7.56e-06
527	95	-2.68e-03	8.12e-03	-0.19	-1.66e-04	1.78e-06	-8.38e-06
527	99	-2.79e-03	8.03e-03	-0.18	-1.64e-04	0.0	-8.18e-06
527	101	-2.51e-03	7.62e-03	-0.18	-1.54e-04	1.30e-06	-7.73e-06
527	106	-2.42e-03	7.51e-03	-0.18	-1.51e-04	1.60e-06	-7.56e-06
528	11	-3.61e-03	9.83e-03	-0.25	-2.29e-04	-1.53e-06	-9.14e-06
528	18	-3.76e-03	9.73e-03	-0.25	-2.27e-04	-2.87e-06	-8.95e-06
528	29	-0.04	0.09	-0.18	-4.29e-04	-5.87e-05	-4.73e-05

528	49	-0.03	0.17	-0.14	-7.28e-04	-3.00e-05	-6.91e-05
528	54	4.14e-03	-0.15	-0.22	4.42e-04	-4.12e-06	5.36e-05
528	61	-0.03	0.06	-0.18	-3.22e-04	-3.26e-05	-3.12e-05
528	81	-0.02	0.12	-0.15	-5.24e-04	-1.68e-05	-4.97e-05
528	86	4.27e-03	-0.11	-0.20	1.83e-04	-2.48e-06	3.56e-05
528	88	-2.39e-03	6.83e-03	-0.18	-1.56e-04	0.0	-6.21e-06
528	95	-2.66e-03	7.37e-03	-0.19	-1.71e-04	0.0	-6.80e-06
528	99	-2.76e-03	7.30e-03	-0.19	-1.69e-04	-1.81e-06	-6.68e-06
528	101	-2.48e-03	6.93e-03	-0.18	-1.59e-04	-1.00e-06	-6.34e-06
528	106	-2.39e-03	6.83e-03	-0.18	-1.56e-04	0.0	-6.21e-06
529	4	-3.95e-03	9.00e-03	-0.25	-2.46e-04	-7.72e-06	-7.02e-06
529	11	-3.81e-03	9.05e-03	-0.25	-2.47e-04	-6.64e-06	-7.05e-06
529	29	-0.04	0.08	-0.17	-4.31e-04	-4.33e-05	-4.72e-05
529	49	-0.03	0.16	-0.13	-7.24e-04	-7.25e-05	-7.25e-05
529	50	4.97e-03	-0.13	-0.22	4.08e-04	1.98e-06	4.83e-05
529	61	-0.03	0.06	-0.17	-3.30e-04	-2.57e-05	-3.08e-05
529	81	-0.02	0.12	-0.15	-5.29e-04	-1.92e-05	-5.21e-05
529	82	4.85e-03	-0.10	-0.20	1.56e-04	0.0	3.48e-05
529	88	-2.48e-03	6.30e-03	-0.18	-1.69e-04	-3.82e-06	-4.77e-06
529	92	-2.89e-03	6.76e-03	-0.19	-1.84e-04	-5.39e-06	-5.23e-06
529	95	-2.80e-03	6.79e-03	-0.19	-1.85e-04	-4.67e-06	-5.25e-06
529	101	-2.58e-03	6.39e-03	-0.18	-1.72e-04	-4.28e-06	-4.86e-06
529	106	-2.48e-03	6.30e-03	-0.18	-1.69e-04	-3.82e-06	-4.77e-06
530	4	-4.11e-03	8.30e-03	-0.25	-2.45e-04	-9.23e-06	-6.48e-06
530	11	-3.96e-03	8.35e-03	-0.25	-2.46e-04	-8.04e-06	-6.46e-06
530	29	-0.04	0.08	-0.17	-4.21e-04	-4.70e-05	-4.78e-05
530	49	-0.03	0.15	-0.13	-7.09e-04	-4.24e-05	-7.36e-05
530	50	5.98e-03	-0.12	-0.22	3.99e-04	1.34e-05	4.96e-05
530	61	-0.03	0.05	-0.17	-3.23e-04	-2.84e-05	-3.14e-05
530	81	-0.02	0.11	-0.15	-5.19e-04	-2.72e-05	-5.37e-05
530	82	5.53e-03	-0.09	-0.20	1.50e-04	7.00e-06	3.68e-05
530	88	-2.55e-03	5.83e-03	-0.18	-1.68e-04	-4.50e-06	-4.45e-06
530	92	-3.00e-03	6.24e-03	-0.19	-1.83e-04	-6.42e-06	-4.84e-06
530	95	-2.90e-03	6.27e-03	-0.19	-1.84e-04	-5.63e-06	-4.83e-06
530	101	-2.66e-03	5.90e-03	-0.18	-1.71e-04	-5.04e-06	-4.53e-06
530	106	-2.55e-03	5.83e-03	-0.18	-1.68e-04	-4.50e-06	-4.45e-06
531	4	-4.39e-03	7.65e-03	-0.25	-2.30e-04	-1.47e-05	-7.92e-06
531	11	-4.24e-03	7.70e-03	-0.25	-2.31e-04	-1.40e-05	-8.04e-06
531	29	-0.04	0.08	-0.17	-4.03e-04	-7.00e-05	-5.23e-05
531	49	-0.03	0.15	-0.13	-6.89e-04	-6.01e-05	-8.15e-05
531	50	6.85e-03	-0.12	-0.22	3.95e-04	1.42e-05	5.52e-05
531	61	-0.03	0.05	-0.17	-3.08e-04	-4.31e-05	-3.49e-05
531	81	-0.02	0.11	-0.15	-5.00e-04	-3.99e-05	-6.05e-05
531	82	6.10e-03	-0.09	-0.21	1.52e-04	7.06e-06	4.10e-05
531	88	-2.70e-03	5.38e-03	-0.17	-1.59e-04	-8.03e-06	-5.48e-06
531	92	-3.20e-03	5.75e-03	-0.19	-1.72e-04	-1.05e-05	-5.92e-06
531	95	-3.10e-03	5.78e-03	-0.19	-1.73e-04	-9.96e-06	-6.01e-06
531	101	-2.82e-03	5.45e-03	-0.18	-1.61e-04	-8.62e-06	-5.55e-06
531	106	-2.70e-03	5.38e-03	-0.17	-1.59e-04	-8.03e-06	-5.48e-06
532	9	-1.18e-03	-1.44e-03	-0.23	-5.76e-04	-2.36e-06	0.0
532	11	-8.92e-04	-1.47e-03	-0.24	-6.06e-04	-5.32e-06	0.0
532	38	-0.03	-6.72e-03	-0.15	-2.81e-04	-4.15e-05	1.29e-05
532	47	0.01	5.54e-03	-0.23	-7.02e-04	3.78e-05	-1.89e-05
532	48	-1.24e-03	-0.01	-0.12	-4.25e-05	-2.29e-05	2.56e-05
532	70	-0.02	-7.64e-03	-0.16	-3.36e-04	-2.46e-05	9.85e-06
532	79	0.01	0.01	-0.21	-6.43e-04	2.23e-05	-1.79e-05
532	80	-3.77e-03	-0.02	-0.14	-1.84e-04	-1.65e-05	2.21e-05
532	87	-8.98e-04	-1.08e-03	-0.17	-4.15e-04	-1.09e-06	0.0
532	88	-8.16e-04	-1.09e-03	-0.17	-4.24e-04	-1.94e-06	0.0
532	93	-9.26e-04	-1.10e-03	-0.18	-4.35e-04	-1.45e-06	0.0
532	95	-7.34e-04	-1.12e-03	-0.18	-4.55e-04	-3.43e-06	0.0
532	101	-7.61e-04	-1.09e-03	-0.18	-4.29e-04	-2.50e-06	0.0
532	102	-9.04e-04	-1.09e-03	-0.17	-4.19e-04	-1.16e-06	0.0
532	105	-8.98e-04	-1.08e-03	-0.17	-4.15e-04	-1.09e-06	0.0
532	106	-8.16e-04	-1.09e-03	-0.17	-4.24e-04	-1.94e-06	0.0
533	4	-4.57e-03	6.37e-03	-0.24	-2.28e-04	-1.63e-05	-6.35e-06
533	11	-4.39e-03	6.41e-03	-0.24	-2.29e-04	-1.52e-05	-6.45e-06
533	29	-0.04	0.06	-0.14	-3.66e-04	-5.42e-05	-5.12e-05
533	48	0.03	-0.12	-0.23	3.95e-04	5.67e-05	7.12e-05
533	49	-0.03	0.13	-0.11	-6.17e-04	-7.19e-05	-8.03e-05
533	61	-0.03	0.04	-0.16	-2.86e-04	-3.50e-05	-3.44e-05
533	80	0.02	-0.09	-0.21	1.43e-04	3.18e-05	5.20e-05
533	81	-0.02	0.10	-0.14	-4.57e-04	-4.84e-05	-6.10e-05
533	88	-2.72e-03	4.49e-03	-0.17	-1.57e-04	-8.34e-06	-4.49e-06
533	92	-3.31e-03	4.79e-03	-0.18	-1.70e-04	-1.15e-05	-4.78e-06
533	95	-3.18e-03	4.82e-03	-0.18	-1.71e-04	-1.07e-05	-4.85e-06
533	101	-2.86e-03	4.54e-03	-0.17	-1.59e-04	-9.12e-06	-4.53e-06
533	106	-2.72e-03	4.49e-03	-0.17	-1.57e-04	-8.34e-06	-4.49e-06
534	4	-4.61e-03	5.62e-03	-0.24	-1.98e-04	-1.78e-05	-6.57e-06
534	11	-4.40e-03	5.64e-03	-0.24	-1.99e-04	-1.62e-05	-6.78e-06

534	29	-0.04	0.06	-0.14	-3.29e-04	-5.89e-05	-5.41e-05
534	48	0.03	-0.11	-0.24	3.79e-04	6.88e-05	7.83e-05
534	49	-0.04	0.12	-0.10	-5.67e-04	-8.39e-05	-8.79e-05
534	61	-0.03	0.04	-0.15	-2.55e-04	-3.82e-05	-3.68e-05
534	80	0.02	-0.08	-0.21	1.43e-04	3.90e-05	5.81e-05
534	81	-0.02	0.09	-0.13	-4.16e-04	-5.66e-05	-6.76e-05
534	88	-2.68e-03	3.95e-03	-0.17	-1.36e-04	-8.79e-06	-4.74e-06
534	92	-3.32e-03	4.22e-03	-0.18	-1.48e-04	-1.24e-05	-4.97e-06
534	95	-3.18e-03	4.24e-03	-0.18	-1.49e-04	-1.14e-05	-5.11e-06
534	101	-2.84e-03	4.00e-03	-0.17	-1.39e-04	-9.72e-06	-4.76e-06
534	106	-2.68e-03	3.95e-03	-0.17	-1.36e-04	-8.79e-06	-4.74e-06
535	4	-4.58e-03	5.14e-03	-0.24	-1.46e-04	-1.72e-05	0.0
535	11	-4.34e-03	5.16e-03	-0.24	-1.48e-04	-1.54e-05	0.0
535	29	-0.04	0.05	-0.13	-2.80e-04	-7.75e-05	-5.20e-05
535	48	0.03	-0.10	-0.25	3.79e-04	7.61e-05	8.97e-05
535	49	-0.04	0.11	-0.09	-5.15e-04	-9.01e-05	-9.04e-05
535	61	-0.03	0.04	-0.15	-2.10e-04	-4.83e-05	-3.38e-05
535	80	0.02	-0.07	-0.22	1.62e-04	4.43e-05	6.76e-05
535	81	-0.03	0.08	-0.12	-3.64e-04	-6.03e-05	-6.75e-05
535	88	-2.61e-03	3.62e-03	-0.17	-1.01e-04	-8.01e-06	0.0
535	92	-3.28e-03	3.87e-03	-0.18	-1.10e-04	-1.19e-05	0.0
535	95	-3.13e-03	3.88e-03	-0.18	-1.10e-04	-1.06e-05	0.0
535	101	-2.77e-03	3.67e-03	-0.17	-1.03e-04	-9.03e-06	0.0
535	106	-2.61e-03	3.62e-03	-0.17	-1.01e-04	-8.01e-06	0.0
536	11	0.01	1.01e-03	-0.23	0.0	-2.46e-05	3.40e-05
536	35	0.04	6.61e-03	-0.20	0.0	-3.30e-05	-4.48e-06
536	49	6.25e-03	0.03	-0.19	0.0	1.40e-06	-2.14e-05
536	51	0.02	0.03	-0.20	0.0	-9.84e-06	-3.04e-05
536	67	0.02	6.82e-03	-0.18	0.0	-2.44e-05	5.30e-06
536	81	8.62e-03	0.03	-0.18	0.0	-6.29e-06	-1.09e-05
536	83	0.02	0.02	-0.19	0.0	-1.20e-05	-1.59e-05
536	88	9.13e-03	7.02e-04	-0.17	0.0	-1.71e-05	2.39e-05
536	95	9.92e-03	7.55e-04	-0.18	0.0	-1.83e-05	2.56e-05
536	101	9.26e-03	7.12e-04	-0.17	0.0	-1.77e-05	2.41e-05
536	106	9.13e-03	7.02e-04	-0.17	0.0	-1.71e-05	2.39e-05
537	4	-5.06e-03	3.23e-03	-0.23	-1.31e-05	-4.92e-05	-3.95e-06
537	11	-4.79e-03	3.27e-03	-0.23	-1.41e-05	-4.61e-05	-3.54e-06
537	29	-0.04	0.04	-0.11	-1.59e-04	-2.65e-04	2.39e-06
537	48	0.03	-0.08	-0.27	3.72e-04	1.85e-04	5.61e-05
537	49	-0.04	0.09	-0.06	-3.88e-04	-2.39e-04	-6.64e-05
537	61	-0.03	0.03	-0.14	-9.89e-05	-1.62e-04	-4.66e-06
537	80	0.02	-0.06	-0.23	2.22e-04	9.55e-05	4.89e-05
537	81	-0.03	0.06	-0.10	-2.42e-04	-1.53e-04	-5.43e-05
537	88	-2.86e-03	2.31e-03	-0.17	-1.00e-05	-2.87e-05	-2.68e-06
537	92	-3.62e-03	2.44e-03	-0.17	-1.00e-05	-3.54e-05	-2.95e-06
537	95	-3.44e-03	2.47e-03	-0.18	-1.07e-05	-3.34e-05	-2.67e-06
537	101	-3.05e-03	2.33e-03	-0.17	-9.90e-06	-3.04e-05	-2.79e-06
537	104	-2.90e-03	2.33e-03	-0.17	-1.02e-05	-2.89e-05	-2.63e-06
537	106	-2.86e-03	2.31e-03	-0.17	-1.00e-05	-2.87e-05	-2.68e-06
538	4	-4.57e-04	2.08e-03	-0.21	4.89e-05	-6.72e-05	0.0
538	11	-3.55e-04	2.09e-03	-0.21	5.93e-05	-5.19e-05	0.0
538	28	0.03	-0.02	-0.19	5.91e-05	-2.93e-04	0.0
538	48	0.02	-0.05	-0.22	2.27e-04	-4.83e-04	0.0
538	49	-0.02	0.05	-0.09	-1.67e-04	4.22e-04	0.0
538	61	-0.02	0.02	-0.14	1.06e-05	1.17e-04	0.0
538	80	0.02	-0.04	-0.20	1.50e-04	-3.07e-04	0.0
538	81	-0.02	0.04	-0.11	-8.95e-05	2.40e-04	0.0
538	88	-8.50e-05	1.45e-03	-0.15	3.00e-05	-3.32e-05	0.0
538	92	-2.82e-04	1.56e-03	-0.16	3.55e-05	-4.70e-05	0.0
538	95	-2.14e-04	1.57e-03	-0.16	4.24e-05	-3.68e-05	0.0
538	101	-1.38e-04	1.47e-03	-0.16	2.97e-05	-3.80e-05	0.0
538	104	-8.96e-05	1.46e-03	-0.16	3.26e-05	-3.20e-05	0.0
538	106	-8.50e-05	1.45e-03	-0.15	3.00e-05	-3.32e-05	0.0
539	9	1.67e-03	-2.59e-04	-0.19	-3.50e-04	6.32e-06	0.0
539	11	1.51e-03	-2.75e-04	-0.19	-3.50e-04	6.34e-06	0.0
539	35	0.03	-7.83e-04	-0.14	-2.25e-04	-1.22e-05	0.0
539	42	-8.80e-03	-0.03	-0.14	-1.81e-04	-9.01e-06	0.0
539	50	-0.01	-0.01	-0.14	-1.93e-04	0.0	0.0
539	67	0.02	-4.03e-04	-0.14	-2.20e-04	-5.08e-06	0.0
539	74	-5.93e-03	-0.01	-0.14	-1.95e-04	-3.21e-06	0.0
539	82	-6.82e-03	-6.06e-03	-0.14	-2.02e-04	1.47e-06	0.0
539	87	1.21e-03	-1.81e-04	-0.14	-2.13e-04	3.73e-06	0.0
539	88	1.17e-03	-1.86e-04	-0.14	-2.13e-04	3.73e-06	0.0
539	93	1.28e-03	-1.94e-04	-0.15	-2.57e-04	4.61e-06	0.0
539	95	1.17e-03	-2.05e-04	-0.15	-2.57e-04	4.63e-06	0.0
539	101	1.14e-03	-1.89e-04	-0.14	-2.13e-04	3.74e-06	0.0
539	102	1.23e-03	-1.84e-04	-0.14	-2.22e-04	3.91e-06	0.0
539	104	1.18e-03	-1.88e-04	-0.14	-2.22e-04	3.91e-06	0.0
539	105	1.21e-03	-1.81e-04	-0.14	-2.13e-04	3.73e-06	0.0
539	106	1.17e-03	-1.86e-04	-0.14	-2.13e-04	3.73e-06	0.0

540	9	1.50e-03	9.64e-04	-0.16	-1.91e-04	-1.26e-05	0.0
540	11	1.33e-03	1.02e-03	-0.16	-1.91e-04	-1.17e-05	0.0
540	35	0.03	6.48e-03	-0.12	-1.24e-04	-6.75e-06	0.0
540	40	6.53e-03	-0.02	-0.13	-1.26e-04	-5.96e-06	0.0
540	53	-3.30e-03	0.03	-0.12	-1.09e-04	-9.90e-06	0.0
540	67	0.02	5.34e-03	-0.12	-1.21e-04	-7.14e-06	0.0
540	72	3.04e-03	-0.02	-0.13	-1.23e-04	-6.71e-06	0.0
540	85	-5.06e-04	0.02	-0.12	-1.13e-04	-8.80e-06	0.0
540	87	1.11e-03	6.90e-04	-0.12	-1.18e-04	-7.87e-06	0.0
540	88	1.06e-03	7.05e-04	-0.12	-1.18e-04	-7.64e-06	0.0
540	93	1.16e-03	7.27e-04	-0.13	-1.41e-04	-9.34e-06	0.0
540	95	1.04e-03	7.62e-04	-0.13	-1.41e-04	-8.79e-06	0.0
540	101	1.02e-03	7.15e-04	-0.12	-1.18e-04	-7.48e-06	0.0
540	102	1.12e-03	6.97e-04	-0.13	-1.22e-04	-8.16e-06	0.0
540	105	1.11e-03	6.90e-04	-0.12	-1.18e-04	-7.87e-06	0.0
540	106	1.06e-03	7.05e-04	-0.12	-1.18e-04	-7.64e-06	0.0
541	9	-9.71e-04	0.02	-0.23	-6.53e-05	0.0	0.0
541	11	-9.53e-04	0.03	-0.24	-7.09e-05	0.0	0.0
541	38	-0.03	-1.93e-03	-0.15	1.21e-04	0.0	0.0
541	47	0.02	0.05	-0.23	-3.97e-04	0.0	-3.04e-05
541	49	2.09e-03	0.06	-0.23	-4.43e-04	0.0	-4.02e-05
541	70	-0.02	2.56e-03	-0.16	5.84e-05	0.0	3.21e-06
541	79	0.01	0.06	-0.21	-3.10e-04	0.0	-2.41e-05
541	81	3.75e-03	0.06	-0.21	-3.35e-04	0.0	-2.94e-05
541	87	-7.12e-04	0.02	-0.17	-4.50e-05	0.0	0.0
541	88	-7.07e-04	0.02	-0.17	-4.65e-05	0.0	0.0
541	93	-7.41e-04	0.02	-0.18	-4.87e-05	0.0	0.0
541	95	-7.29e-04	0.02	-0.18	-5.24e-05	0.0	0.0
541	101	-7.03e-04	0.02	-0.18	-4.76e-05	0.0	0.0
541	102	-7.18e-04	0.02	-0.17	-4.57e-05	0.0	0.0
541	105	-7.12e-04	0.02	-0.17	-4.50e-05	0.0	0.0
541	106	-7.07e-04	0.02	-0.17	-4.65e-05	0.0	0.0
542	4	-7.75e-03	-5.43e-03	-0.36	7.23e-06	7.77e-04	0.0
542	11	-7.26e-03	-5.45e-03	-0.38	-7.45e-06	8.40e-04	0.0
542	34	-0.28	-0.09	-0.28	2.75e-04	7.17e-04	0.0
542	40	1.38e-04	-0.43	-0.36	1.32e-03	8.81e-04	0.0
542	42	-0.15	-0.48	-0.35	1.46e-03	9.34e-04	0.0
542	66	-0.16	-0.05	-0.27	1.61e-04	6.36e-04	0.0
542	72	3.44e-03	-0.24	-0.32	7.41e-04	7.25e-04	0.0
542	74	-0.08	-0.27	-0.31	8.19e-04	7.55e-04	0.0
542	88	-4.16e-03	-3.74e-03	-0.26	1.83e-05	5.39e-04	0.0
542	92	-5.49e-03	-4.06e-03	-0.27	9.14e-06	5.82e-04	0.0
542	95	-5.16e-03	-4.08e-03	-0.29	0.0	6.23e-04	0.0
542	101	-4.49e-03	-3.80e-03	-0.26	1.84e-05	5.39e-04	0.0
542	104	-4.23e-03	-3.79e-03	-0.27	1.44e-05	5.56e-04	0.0
542	106	-4.16e-03	-3.74e-03	-0.26	1.83e-05	5.39e-04	0.0
543	9	1.66e-03	-6.03e-04	-0.20	-4.18e-04	-5.97e-05	0.0
543	11	1.50e-03	-6.39e-04	-0.20	-4.18e-04	-5.99e-05	0.0
543	35	0.03	-2.31e-03	-0.15	-2.77e-04	-2.99e-05	0.0
543	42	-8.70e-03	-0.03	-0.15	-2.20e-04	-4.18e-05	0.0
543	52	4.40e-03	-8.81e-03	-0.15	-2.38e-04	-3.66e-05	0.0
543	67	0.02	-1.73e-03	-0.15	-2.68e-04	-3.36e-05	0.0
543	74	-5.81e-03	-0.02	-0.15	-2.37e-04	-4.07e-05	0.0
543	84	1.40e-03	-4.17e-03	-0.15	-2.47e-04	-3.79e-05	0.0
543	87	1.20e-03	-4.28e-04	-0.15	-2.57e-04	-3.84e-05	0.0
543	88	1.16e-03	-4.38e-04	-0.15	-2.57e-04	-3.84e-05	0.0
543	93	1.27e-03	-4.54e-04	-0.15	-3.08e-04	-4.43e-05	0.0
543	95	1.17e-03	-4.78e-04	-0.15	-3.08e-04	-4.44e-05	0.0
543	101	1.13e-03	-4.45e-04	-0.15	-2.57e-04	-3.85e-05	0.0
543	102	1.22e-03	-4.33e-04	-0.15	-2.67e-04	-3.96e-05	0.0
543	105	1.20e-03	-4.28e-04	-0.15	-2.57e-04	-3.84e-05	0.0
543	106	1.16e-03	-4.38e-04	-0.15	-2.57e-04	-3.84e-05	0.0
544	4	-7.34e-03	5.19e-03	-0.26	-4.24e-05	-5.37e-05	-1.18e-05
544	9	-5.07e-03	4.94e-03	-0.27	-5.91e-05	-5.84e-05	-1.12e-05
544	11	-6.81e-03	5.21e-03	-0.26	-6.00e-05	-5.83e-05	-1.18e-05
544	34	-0.28	-0.06	-0.19	2.01e-04	-5.47e-05	-3.65e-05
544	45	-0.02	0.30	-0.19	-9.72e-04	-3.06e-05	2.26e-04
544	46	-0.15	-0.28	-0.19	9.03e-04	-5.23e-05	-2.19e-04
544	66	-0.15	-0.04	-0.19	1.11e-04	-4.64e-05	-1.92e-05
544	77	-0.02	0.18	-0.19	-5.66e-04	-3.19e-05	1.06e-04
544	78	-0.08	-0.17	-0.19	5.14e-04	-4.66e-05	-1.10e-04
544	87	-3.39e-03	3.54e-03	-0.19	-1.48e-05	-3.72e-05	-7.99e-06
544	88	-3.88e-03	3.62e-03	-0.19	-1.51e-05	-3.71e-05	-8.17e-06
544	92	-5.18e-03	3.89e-03	-0.19	-2.77e-05	-4.01e-05	-8.82e-06
544	93	-3.67e-03	3.72e-03	-0.20	-3.89e-05	-4.33e-05	-8.44e-06
544	95	-4.83e-03	3.90e-03	-0.20	-3.95e-05	-4.32e-05	-8.87e-06
544	101	-4.21e-03	3.67e-03	-0.19	-1.53e-05	-3.71e-05	-8.29e-06
544	102	-3.44e-03	3.58e-03	-0.19	-1.96e-05	-3.84e-05	-8.08e-06
544	105	-3.39e-03	3.54e-03	-0.19	-1.48e-05	-3.72e-05	-7.99e-06
544	106	-3.88e-03	3.62e-03	-0.19	-1.51e-05	-3.71e-05	-8.17e-06

545	4	-3.80e-03	5.01e-03	-0.23	-3.23e-05	-2.78e-05	-7.40e-06
545	11	-3.60e-03	5.03e-03	-0.23	-3.27e-05	-2.62e-05	-7.64e-06
545	38	-0.04	-0.03	-0.14	7.03e-05	-1.68e-04	2.50e-05
545	49	-6.53e-03	0.09	-0.19	-2.67e-04	-1.84e-05	-7.60e-05
545	51	0.01	0.09	-0.20	-2.61e-04	6.54e-05	-7.33e-05
545	70	-0.02	-0.02	-0.15	3.55e-05	-1.02e-04	1.55e-05
545	81	-3.53e-03	0.06	-0.18	-1.79e-04	-1.63e-05	-5.78e-05
545	83	7.54e-03	0.06	-0.19	-1.75e-04	3.01e-05	-5.64e-05
545	88	-2.04e-03	3.45e-03	-0.17	-2.21e-05	-1.65e-05	-5.23e-06
545	92	-2.69e-03	3.75e-03	-0.18	-2.41e-05	-2.01e-05	-5.56e-06
545	95	-2.55e-03	3.76e-03	-0.18	-2.44e-05	-1.90e-05	-5.73e-06
545	101	-2.20e-03	3.51e-03	-0.17	-2.24e-05	-1.74e-05	-5.27e-06
545	106	-2.04e-03	3.45e-03	-0.17	-2.21e-05	-1.65e-05	-5.23e-06
546	4	-7.82e-03	-6.56e-03	-0.41	3.91e-05	8.76e-05	0.0
546	11	-7.34e-03	-6.60e-03	-0.43	2.87e-05	8.89e-05	0.0
546	34	-0.28	-0.09	-0.32	2.93e-04	3.13e-04	0.0
546	42	-0.15	-0.50	-0.44	1.50e-03	4.97e-04	0.0
546	66	-0.16	-0.05	-0.31	1.79e-04	2.01e-04	0.0
546	74	-0.08	-0.28	-0.37	8.46e-04	3.00e-04	0.0
546	88	-4.21e-03	-4.53e-03	-0.30	3.86e-05	6.51e-05	0.0
546	92	-5.54e-03	-4.91e-03	-0.31	3.25e-05	6.67e-05	0.0
546	95	-5.22e-03	-4.94e-03	-0.32	2.56e-05	6.76e-05	0.0
546	101	-4.54e-03	-4.60e-03	-0.30	3.88e-05	6.52e-05	0.0
546	104	-4.28e-03	-4.59e-03	-0.30	3.59e-05	6.55e-05	0.0
546	106	-4.21e-03	-4.53e-03	-0.30	3.86e-05	6.51e-05	0.0
547	9	1.96e-03	2.45e-03	-0.19	-7.54e-05	-2.53e-04	-4.23e-06
547	11	1.79e-03	2.59e-03	-0.20	-7.70e-05	-2.79e-04	-4.23e-06
547	35	0.03	0.01	-0.16	-8.76e-05	-3.06e-04	4.05e-05
547	49	-2.04e-03	0.05	-0.16	-2.47e-04	-2.51e-04	5.43e-05
547	51	0.01	0.05	-0.17	-2.32e-04	-3.10e-04	6.84e-05
547	67	0.02	0.01	-0.16	-7.43e-05	-2.48e-04	2.13e-05
547	81	4.69e-04	0.04	-0.15	-1.71e-04	-2.26e-04	2.94e-05
547	83	8.98e-03	0.04	-0.16	-1.63e-04	-2.58e-04	3.71e-05
547	87	1.45e-03	1.74e-03	-0.14	-4.84e-05	-1.65e-04	-2.50e-06
547	88	1.40e-03	1.78e-03	-0.15	-4.89e-05	-1.72e-04	-2.50e-06
547	93	1.51e-03	1.84e-03	-0.15	-5.59e-05	-1.86e-04	-3.09e-06
547	95	1.39e-03	1.94e-03	-0.15	-5.69e-05	-2.04e-04	-3.09e-06
547	101	1.36e-03	1.81e-03	-0.15	-4.92e-05	-1.77e-04	-2.50e-06
547	102	1.46e-03	1.76e-03	-0.15	-4.99e-05	-1.69e-04	-2.62e-06
547	104	1.41e-03	1.80e-03	-0.15	-5.04e-05	-1.77e-04	-2.62e-06
547	105	1.45e-03	1.74e-03	-0.14	-4.84e-05	-1.65e-04	-2.50e-06
547	106	1.40e-03	1.78e-03	-0.15	-4.89e-05	-1.72e-04	-2.50e-06
548	4	-2.27e-03	-2.70e-03	-0.24	-2.33e-05	-2.33e-04	0.0
548	9	-2.44e-03	-2.46e-03	-0.23	-2.07e-05	-2.20e-04	0.0
548	11	-2.38e-03	-2.68e-03	-0.24	-2.31e-05	-2.32e-04	0.0
548	33	-0.02	-7.14e-03	-0.20	-5.24e-05	-1.99e-04	0.0
548	38	-0.03	-0.02	-0.20	2.38e-04	-2.50e-04	0.0
548	48	-3.34e-03	-0.05	-0.16	6.38e-04	-2.52e-04	0.0
548	65	-0.01	8.49e-04	-0.19	-4.86e-05	-1.85e-04	0.0
548	70	-0.02	-0.02	-0.19	1.38e-04	-2.16e-04	0.0
548	80	-4.67e-03	-0.05	-0.17	3.90e-04	-2.18e-04	0.0
548	87	-1.74e-03	-1.75e-03	-0.17	-1.43e-05	-1.61e-04	0.0
548	88	-1.72e-03	-1.81e-03	-0.17	-1.50e-05	-1.64e-04	0.0
548	92	-1.74e-03	-2.00e-03	-0.18	-1.71e-05	-1.75e-04	0.0
548	93	-1.85e-03	-1.85e-03	-0.17	-1.54e-05	-1.67e-04	0.0
548	95	-1.81e-03	-1.99e-03	-0.18	-1.70e-05	-1.75e-04	0.0
548	101	-1.71e-03	-1.85e-03	-0.17	-1.54e-05	-1.66e-04	0.0
548	102	-1.76e-03	-1.77e-03	-0.17	-1.45e-05	-1.62e-04	0.0
548	105	-1.74e-03	-1.75e-03	-0.17	-1.43e-05	-1.61e-04	0.0
548	106	-1.72e-03	-1.81e-03	-0.17	-1.50e-05	-1.64e-04	0.0
549	9	1.54e-03	2.98e-03	-0.23	0.0	-1.06e-04	0.0
549	11	1.36e-03	3.16e-03	-0.24	0.0	-1.26e-04	0.0
549	35	0.04	0.02	-0.23	-1.04e-04	-2.07e-04	0.0
549	47	0.03	0.05	-0.28	-2.76e-04	-2.73e-04	0.0
549	49	9.28e-03	0.06	-0.27	-2.98e-04	-2.31e-04	0.0
549	67	0.02	0.02	-0.20	-6.23e-05	-1.56e-04	0.0
549	79	0.02	0.04	-0.24	-1.70e-04	-2.02e-04	0.0
549	81	9.53e-03	0.04	-0.23	-1.82e-04	-1.79e-04	0.0
549	87	1.14e-03	2.11e-03	-0.17	2.70e-06	-7.76e-05	0.0
549	88	1.09e-03	2.16e-03	-0.17	2.42e-06	-8.32e-05	0.0
549	93	1.19e-03	2.24e-03	-0.18	0.0	-7.96e-05	0.0
549	95	1.07e-03	2.36e-03	-0.18	0.0	-9.27e-05	0.0
549	101	1.06e-03	2.20e-03	-0.17	2.22e-06	-8.69e-05	0.0
549	102	1.15e-03	2.14e-03	-0.17	2.33e-06	-7.80e-05	0.0
549	105	1.14e-03	2.11e-03	-0.17	2.70e-06	-7.76e-05	0.0
549	106	1.09e-03	2.16e-03	-0.17	2.42e-06	-8.32e-05	0.0
550	4	-8.01e-03	-7.89e-03	-0.37	4.35e-05	-8.36e-04	0.0
550	11	-7.55e-03	-7.95e-03	-0.39	3.70e-05	-9.15e-04	0.0
550	34	-0.28	-0.09	-0.34	2.91e-04	-5.43e-04	0.0
550	42	-0.15	-0.52	-0.45	1.51e-03	-2.79e-04	0.0

550	66	-0.16	-0.05	-0.31	1.77e-04	-5.56e-04	0.0
550	74	-0.08	-0.29	-0.37	8.50e-04	-4.12e-04	0.0
550	88	-4.34e-03	-5.46e-03	-0.27	3.82e-05	-5.70e-04	0.0
550	92	-5.68e-03	-5.91e-03	-0.28	3.48e-05	-6.23e-04	0.0
550	95	-5.38e-03	-5.95e-03	-0.29	3.05e-05	-6.75e-04	0.0
550	101	-4.67e-03	-5.54e-03	-0.27	3.84e-05	-5.70e-04	0.0
550	104	-4.42e-03	-5.52e-03	-0.27	3.66e-05	-5.91e-04	0.0
550	106	-4.34e-03	-5.46e-03	-0.27	3.82e-05	-5.70e-04	0.0
551	4	-4.32e-03	4.21e-03	-0.23	-1.43e-05	-3.02e-05	-5.51e-06
551	11	-4.13e-03	4.23e-03	-0.23	-1.44e-05	-2.85e-05	-5.57e-06
551	36	0.03	-0.03	-0.19	5.11e-05	1.22e-04	5.45e-06
551	37	-0.04	0.03	-0.15	-7.14e-05	-1.55e-04	-1.36e-05
551	49	-0.01	0.09	-0.16	-2.94e-04	-7.16e-05	-7.56e-05
551	68	0.02	-0.02	-0.18	3.01e-05	5.87e-05	4.93e-06
551	69	-0.02	0.02	-0.16	-5.01e-05	-9.52e-05	-1.26e-05
551	81	-9.32e-03	0.06	-0.16	-1.88e-04	-5.04e-05	-5.54e-05
551	88	-2.40e-03	2.93e-03	-0.17	-9.98e-06	-1.82e-05	-3.83e-06
551	92	-3.08e-03	3.16e-03	-0.17	-1.07e-05	-2.19e-05	-4.13e-06
551	95	-2.95e-03	3.17e-03	-0.18	-1.08e-05	-2.08e-05	-4.17e-06
551	101	-2.56e-03	2.97e-03	-0.17	-1.01e-05	-1.92e-05	-3.88e-06
551	106	-2.40e-03	2.93e-03	-0.17	-9.98e-06	-1.82e-05	-3.83e-06
552	4	1.25e-03	2.48e-03	-0.23	3.91e-05	-6.42e-05	0.0
552	11	1.03e-03	2.46e-03	-0.23	3.89e-05	-6.28e-05	0.0
552	28	0.03	2.50e-03	-0.22	1.51e-04	9.92e-06	0.0
552	45	-0.01	4.78e-03	-0.10	-1.67e-04	-8.97e-05	0.0
552	48	0.01	8.96e-04	-0.28	3.16e-04	3.98e-05	0.0
552	60	0.02	-1.24e-04	-0.20	1.03e-04	-1.17e-05	0.0
552	77	-8.56e-03	0.01	-0.12	-1.01e-04	-7.37e-05	0.0
552	80	9.88e-03	-6.09e-03	-0.24	2.13e-04	7.34e-06	0.0
552	88	3.48e-04	1.64e-03	-0.17	2.72e-05	-4.02e-05	0.0
552	92	7.98e-04	1.83e-03	-0.18	2.93e-05	-4.70e-05	0.0
552	95	6.57e-04	1.82e-03	-0.18	2.92e-05	-4.60e-05	0.0
552	101	4.66e-04	1.68e-03	-0.17	2.77e-05	-4.17e-05	0.0
552	106	3.48e-04	1.64e-03	-0.17	2.72e-05	-4.02e-05	0.0
553	9	1.72e-03	9.72e-04	-0.19	-3.61e-04	-2.51e-05	0.0
553	11	1.55e-03	1.03e-03	-0.19	-3.61e-04	-2.48e-05	0.0
553	35	0.03	6.50e-03	-0.14	-2.31e-04	-7.05e-06	0.0
553	40	5.07e-03	-0.02	-0.14	-2.34e-04	-4.82e-06	0.0
553	53	2.42e-04	0.03	-0.14	-2.11e-04	-2.56e-05	0.0
553	67	0.02	5.36e-03	-0.14	-2.27e-04	-1.11e-05	0.0
553	72	1.47e-03	-0.02	-0.14	-2.28e-04	-9.99e-06	0.0
553	85	2.35e-03	0.02	-0.14	-2.16e-04	-2.12e-05	0.0
553	87	1.26e-03	6.96e-04	-0.14	-2.21e-04	-1.63e-05	0.0
553	88	1.21e-03	7.12e-04	-0.14	-2.21e-04	-1.61e-05	0.0
553	93	1.32e-03	7.33e-04	-0.14	-2.65e-04	-1.87e-05	0.0
553	95	1.21e-03	7.69e-04	-0.14	-2.65e-04	-1.85e-05	0.0
553	101	1.18e-03	7.22e-04	-0.14	-2.21e-04	-1.61e-05	0.0
553	102	1.27e-03	7.04e-04	-0.14	-2.30e-04	-1.67e-05	0.0
553	105	1.26e-03	6.96e-04	-0.14	-2.21e-04	-1.63e-05	0.0
553	106	1.21e-03	7.12e-04	-0.14	-2.21e-04	-1.61e-05	0.0
554	9	6.50e-04	1.83e-03	-0.19	1.78e-04	-4.98e-05	0.0
554	11	4.12e-04	1.93e-03	-0.20	1.79e-04	-6.94e-05	0.0
554	36	0.03	-0.01	-0.16	1.09e-04	-1.60e-04	0.0
554	48	0.02	-0.04	-0.17	2.37e-04	-2.63e-04	0.0
554	49	-0.02	0.05	-0.12	-2.04e-05	1.85e-04	0.0
554	68	0.02	-0.01	-0.15	1.11e-04	-1.11e-04	0.0
554	80	0.01	-0.03	-0.16	1.88e-04	-1.78e-04	0.0
554	81	-0.01	0.04	-0.13	2.87e-05	9.70e-05	0.0
554	87	5.11e-04	1.30e-03	-0.14	1.08e-04	-3.50e-05	0.0
554	88	4.43e-04	1.33e-03	-0.15	1.08e-04	-4.06e-05	0.0
554	93	5.19e-04	1.38e-03	-0.15	1.31e-04	-3.63e-05	0.0
554	95	3.60e-04	1.45e-03	-0.15	1.31e-04	-4.93e-05	0.0
554	101	3.98e-04	1.35e-03	-0.15	1.09e-04	-4.43e-05	0.0
554	102	5.13e-04	1.32e-03	-0.15	1.13e-04	-3.53e-05	0.0
554	104	4.45e-04	1.35e-03	-0.15	1.13e-04	-4.09e-05	0.0
554	105	5.11e-04	1.30e-03	-0.14	1.08e-04	-3.50e-05	0.0
554	106	4.43e-04	1.33e-03	-0.15	1.08e-04	-4.06e-05	0.0
555	3	8.85e-04	-8.54e-04	-0.15	0.0	-9.66e-06	0.0
555	9	1.21e-03	-8.35e-04	-0.15	0.0	-1.12e-05	0.0
555	11	1.04e-03	-8.85e-04	-0.15	0.0	-1.12e-05	0.0
555	36	0.03	-8.13e-03	-0.12	-7.98e-06	-1.86e-05	0.0
555	37	-0.02	6.79e-03	-0.12	7.12e-06	3.93e-06	0.0
555	42	-4.91e-03	-0.03	-0.12	-3.18e-05	-4.64e-06	0.0
555	68	0.01	-4.23e-03	-0.12	-4.55e-06	-1.36e-05	0.0
555	69	-0.01	3.02e-03	-0.12	3.71e-06	-1.14e-06	0.0
555	74	-2.38e-03	-0.02	-0.12	-1.76e-05	-5.86e-06	0.0
555	87	8.87e-04	-5.94e-04	-0.12	0.0	-7.36e-06	0.0
555	88	8.36e-04	-6.08e-04	-0.12	0.0	-7.35e-06	0.0
555	91	7.17e-04	-6.41e-04	-0.12	0.0	-7.32e-06	0.0
555	93	9.37e-04	-6.29e-04	-0.12	0.0	-8.37e-06	0.0

555	95	8.18e-04	-6.62e-04	-0.12	0.0	-8.34e-06	0.0
555	101	8.02e-04	-6.18e-04	-0.12	0.0	-7.34e-06	0.0
555	102	8.97e-04	-6.01e-04	-0.12	0.0	-7.56e-06	0.0
555	105	8.87e-04	-5.94e-04	-0.12	0.0	-7.36e-06	0.0
555	106	8.36e-04	-6.08e-04	-0.12	0.0	-7.35e-06	0.0
556	3	-1.84e-03	8.16e-05	-0.24	-5.87e-05	-2.20e-05	0.0
556	9	-2.03e-03	-4.80e-05	-0.24	-5.85e-05	-2.02e-05	0.0
556	11	-2.00e-03	1.39e-05	-0.25	-6.13e-05	-2.20e-05	0.0
556	29	-0.03	0.03	-0.20	-3.68e-04	-9.34e-05	0.0
556	49	-0.02	0.05	-0.15	-7.19e-04	-1.23e-04	0.0
556	54	5.71e-03	-0.05	-0.22	5.66e-04	6.38e-05	0.0
556	61	-0.02	0.02	-0.19	-2.34e-04	-5.84e-05	0.0
556	81	-0.02	0.05	-0.16	-4.57e-04	-7.48e-05	0.0
556	86	5.75e-03	-0.04	-0.21	3.39e-04	2.84e-05	0.0
556	87	-1.44e-03	-7.49e-06	-0.17	-4.15e-05	-1.48e-05	0.0
556	88	-1.43e-03	1.02e-05	-0.18	-4.23e-05	-1.53e-05	0.0
556	91	-1.41e-03	5.15e-05	-0.18	-4.42e-05	-1.64e-05	0.0
556	93	-1.53e-03	-3.49e-05	-0.18	-4.41e-05	-1.52e-05	0.0
556	95	-1.52e-03	6.38e-06	-0.19	-4.59e-05	-1.64e-05	0.0
556	101	-1.43e-03	2.20e-05	-0.18	-4.28e-05	-1.56e-05	0.0
556	102	-1.46e-03	-1.30e-05	-0.17	-4.20e-05	-1.49e-05	0.0
556	105	-1.44e-03	-7.49e-06	-0.17	-4.15e-05	-1.48e-05	0.0
556	106	-1.43e-03	1.02e-05	-0.18	-4.23e-05	-1.53e-05	0.0
557	11	-3.33e-03	0.01	-0.26	-7.53e-05	-3.13e-05	-2.19e-05
557	18	-3.48e-03	0.01	-0.25	-7.41e-05	-2.77e-05	-2.04e-05
557	29	-0.04	0.11	-0.22	-3.24e-04	-2.93e-04	-4.14e-05
557	49	-0.02	0.20	-0.21	-6.07e-04	-7.83e-05	-4.77e-05
557	61	-0.02	0.07	-0.20	-2.13e-04	-1.69e-04	-3.12e-05
557	81	-0.02	0.14	-0.20	-3.96e-04	-5.15e-05	-4.14e-05
557	88	-2.24e-03	8.52e-03	-0.18	-5.22e-05	-1.60e-05	-1.39e-05
557	95	-2.47e-03	9.29e-03	-0.19	-5.64e-05	-2.23e-05	-1.62e-05
557	99	-2.57e-03	9.15e-03	-0.19	-5.57e-05	-1.99e-05	-1.52e-05
557	101	-2.31e-03	8.64e-03	-0.18	-5.29e-05	-1.61e-05	-1.39e-05
557	106	-2.24e-03	8.52e-03	-0.18	-5.22e-05	-1.60e-05	-1.39e-05
558	11	-0.02	0.03	-0.24	0.0	2.21e-05	6.10e-05
558	33	-0.20	0.03	-0.21	0.0	-9.88e-04	1.71e-04
558	49	-0.06	0.34	-0.25	0.0	-2.50e-04	2.15e-05
558	65	-0.12	0.04	-0.20	0.0	-5.33e-04	1.08e-04
558	81	-0.03	0.24	-0.22	0.0	-1.22e-04	1.64e-05
558	88	-0.01	0.02	-0.17	0.0	1.62e-05	3.80e-05
558	95	-0.02	0.02	-0.18	0.0	1.72e-05	4.51e-05
558	101	-0.01	0.02	-0.17	0.0	1.52e-05	3.79e-05
558	104	-0.01	0.02	-0.17	0.0	1.68e-05	3.95e-05
558	106	-0.01	0.02	-0.17	0.0	1.62e-05	3.80e-05
559	4	-0.02	0.03	-0.23	0.0	2.28e-05	6.72e-06
559	11	-0.02	0.03	-0.23	0.0	2.77e-05	7.77e-06
559	33	-0.19	0.03	-0.20	0.0	-8.53e-04	8.74e-05
559	49	-0.05	0.34	-0.17	0.0	-2.06e-04	-1.63e-05
559	65	-0.11	0.03	-0.19	0.0	-4.59e-04	4.71e-05
559	81	-0.03	0.24	-0.17	0.0	-9.97e-05	-1.91e-05
559	88	-9.89e-03	0.02	-0.17	0.0	1.94e-05	5.08e-06
559	92	-0.01	0.02	-0.18	0.0	1.80e-05	5.13e-06
559	95	-0.01	0.02	-0.18	0.0	2.13e-05	5.83e-06
559	101	-0.01	0.02	-0.17	0.0	1.85e-05	4.95e-06
559	104	-0.01	0.02	-0.17	0.0	2.02e-05	5.28e-06
559	106	-9.89e-03	0.02	-0.17	0.0	1.94e-05	5.08e-06
560	4	-0.01	0.02	-0.24	0.0	-1.25e-04	1.34e-05
560	11	-0.01	0.02	-0.24	0.0	-1.35e-04	1.59e-05
560	34	-0.10	-0.05	-0.19	0.0	-8.30e-04	-3.86e-05
560	49	-0.02	0.27	-0.25	0.0	-2.96e-04	-4.23e-05
560	66	-0.06	-0.03	-0.18	0.0	-4.94e-04	-1.34e-05
560	81	-0.01	0.19	-0.22	0.0	-1.93e-04	-2.78e-05
560	88	-6.51e-03	0.02	-0.17	0.0	-8.11e-05	9.83e-06
560	92	-7.38e-03	0.02	-0.18	0.0	-9.18e-05	1.02e-05
560	95	-8.04e-03	0.02	-0.18	0.0	-9.89e-05	1.18e-05
560	101	-6.55e-03	0.02	-0.17	0.0	-8.18e-05	9.57e-06
560	104	-6.79e-03	0.02	-0.17	0.0	-8.44e-05	1.03e-05
560	106	-6.51e-03	0.02	-0.17	0.0	-8.11e-05	9.83e-06
561	4	-8.61e-03	0.02	-0.23	0.0	-1.00e-04	9.58e-06
561	11	-9.37e-03	0.02	-0.23	0.0	-1.09e-04	1.10e-05
561	33	-0.09	0.02	-0.20	0.0	-8.50e-04	5.08e-05
561	34	-0.09	-0.05	-0.19	0.0	-7.87e-04	8.11e-05
561	49	-0.03	0.27	-0.17	0.0	-2.71e-04	-1.70e-05
561	65	-0.05	0.03	-0.18	0.0	-4.95e-04	2.88e-05
561	66	-0.05	-0.03	-0.18	0.0	-4.62e-04	5.17e-05
561	81	-0.02	0.19	-0.17	0.0	-1.74e-04	-1.62e-05
561	88	-5.46e-03	0.02	-0.17	0.0	-6.46e-05	7.02e-06
561	92	-6.30e-03	0.02	-0.18	0.0	-7.37e-05	7.26e-06
561	95	-6.81e-03	0.02	-0.18	0.0	-7.96e-05	8.17e-06
561	101	-5.53e-03	0.02	-0.17	0.0	-6.53e-05	6.89e-06

561	104	-5.70e-03	0.02	-0.17	0.0	-6.74e-05	7.31e-06
561	106	-5.46e-03	0.02	-0.17	0.0	-6.46e-05	7.02e-06
562	11	-0.03	0.03	-0.25	0.0	1.12e-05	-8.15e-05
562	37	-0.21	0.07	-0.20	0.0	-9.45e-04	-1.56e-04
562	49	-0.10	0.34	-0.13	0.0	-3.40e-04	-1.30e-04
562	54	-0.05	-0.29	-0.24	0.0	-1.95e-04	-2.95e-05
562	69	-0.12	0.06	-0.19	0.0	-5.19e-04	-1.12e-04
562	81	-0.07	0.24	-0.15	0.0	-1.92e-04	-1.08e-04
562	86	-0.03	-0.19	-0.22	0.0	-9.59e-05	-2.71e-05
562	88	-0.02	0.02	-0.18	0.0	8.32e-06	-5.22e-05
562	95	-0.02	0.02	-0.19	0.0	8.96e-06	-6.04e-05
562	101	-0.02	0.02	-0.18	0.0	7.22e-06	-5.23e-05
562	104	-0.02	0.02	-0.18	0.0	8.89e-06	-5.38e-05
562	106	-0.02	0.02	-0.18	0.0	8.32e-06	-5.22e-05
563	11	-0.02	0.03	-0.26	0.0	2.48e-05	-2.72e-05
563	29	-0.19	0.19	-0.22	0.0	-8.04e-04	-8.38e-05
563	37	-0.19	0.07	-0.22	0.0	-8.20e-04	-7.23e-05
563	49	-0.08	0.34	-0.22	0.0	-2.90e-04	-7.28e-05
563	61	-0.11	0.12	-0.21	0.0	-4.36e-04	-5.78e-05
563	69	-0.11	0.06	-0.21	0.0	-4.45e-04	-5.15e-05
563	81	-0.06	0.24	-0.20	0.0	-1.58e-04	-6.09e-05
563	88	-0.01	0.02	-0.18	0.0	1.70e-05	-1.85e-05
563	95	-0.02	0.02	-0.19	0.0	1.90e-05	-2.04e-05
563	101	-0.01	0.02	-0.18	0.0	1.60e-05	-1.86e-05
563	104	-0.01	0.02	-0.18	0.0	1.78e-05	-1.88e-05
563	106	-0.01	0.02	-0.18	0.0	1.70e-05	-1.85e-05
564	11	-0.02	0.02	-0.25	0.0	-1.55e-04	-3.08e-05
564	37	-0.10	0.05	-0.19	0.0	-9.27e-04	3.87e-05
564	49	-0.05	0.27	-0.14	0.0	-4.10e-04	-2.66e-05
564	54	-0.02	-0.23	-0.24	0.0	-2.59e-04	2.67e-05
564	69	-0.06	0.05	-0.19	0.0	-5.55e-04	9.78e-06
564	81	-0.04	0.19	-0.15	0.0	-2.77e-04	-3.32e-05
564	86	-0.01	-0.16	-0.21	0.0	-1.78e-04	1.50e-05
564	88	-0.01	0.01	-0.18	0.0	-9.49e-05	-2.01e-05
564	95	-0.01	0.02	-0.19	0.0	-1.14e-04	-2.30e-05
564	101	-0.01	0.01	-0.18	0.0	-9.58e-05	-2.00e-05
564	104	-0.01	0.01	-0.18	0.0	-9.83e-05	-2.07e-05
564	106	-0.01	0.01	-0.18	0.0	-9.49e-05	-2.01e-05
565	11	-0.01	0.02	-0.26	0.0	-1.24e-04	-2.36e-05
565	29	-0.10	0.14	-0.22	0.0	-8.19e-04	-7.39e-05
565	37	-0.10	0.05	-0.22	0.0	-8.32e-04	-6.67e-05
565	49	-0.05	0.27	-0.21	0.0	-3.48e-04	-6.80e-05
565	61	-0.06	0.10	-0.21	0.0	-4.86e-04	-5.05e-05
565	69	-0.06	0.05	-0.20	0.0	-4.93e-04	-4.65e-05
565	81	-0.03	0.19	-0.20	0.0	-2.31e-04	-5.49e-05
565	88	-8.83e-03	0.01	-0.18	0.0	-7.50e-05	-1.58e-05
565	95	-0.01	0.02	-0.19	0.0	-9.08e-05	-1.77e-05
565	101	-8.95e-03	0.01	-0.18	0.0	-7.58e-05	-1.58e-05
565	104	-9.12e-03	0.01	-0.18	0.0	-7.79e-05	-1.61e-05
565	106	-8.83e-03	0.01	-0.18	0.0	-7.50e-05	-1.58e-05
566	4	-2.84e-03	9.54e-03	-0.24	0.0	1.89e-05	-7.58e-06
566	11	-2.81e-03	9.47e-03	-0.25	0.0	1.98e-05	-6.47e-06
566	34	-0.20	-0.05	-0.13	0.0	-9.18e-04	1.84e-04
566	49	-0.04	0.22	-0.28	0.0	-3.68e-04	-3.51e-05
566	51	0.08	0.21	-0.29	0.0	2.27e-04	-1.26e-04
566	66	-0.11	-0.03	-0.15	0.0	-4.98e-04	1.04e-04
566	81	-0.02	0.14	-0.24	0.0	-1.97e-04	-3.73e-05
566	83	0.05	0.14	-0.25	0.0	1.31e-04	-8.75e-05
566	88	-1.06e-03	6.58e-03	-0.18	0.0	1.42e-05	-4.91e-06
566	92	-1.89e-03	7.14e-03	-0.18	0.0	1.45e-05	-5.60e-06
566	95	-1.86e-03	7.09e-03	-0.19	0.0	1.51e-05	-4.86e-06
566	101	-1.23e-03	6.70e-03	-0.18	0.0	1.42e-05	-5.20e-06
566	104	-1.15e-03	6.63e-03	-0.18	0.0	1.44e-05	-4.79e-06
566	106	-1.06e-03	6.58e-03	-0.18	0.0	1.42e-05	-4.91e-06
567	4	-4.07e-03	9.22e-03	-0.24	0.0	1.73e-05	-1.27e-05
567	11	-3.96e-03	9.12e-03	-0.24	0.0	1.87e-05	-1.27e-05
567	34	-0.19	-0.05	-0.15	0.0	-7.72e-04	8.63e-05
567	47	0.06	0.21	-0.21	0.0	1.80e-04	-1.03e-04
567	49	-0.04	0.22	-0.20	0.0	-3.06e-04	-5.97e-05
567	66	-0.11	-0.03	-0.16	0.0	-4.18e-04	4.80e-05
567	79	0.04	0.14	-0.20	0.0	1.05e-04	-7.59e-05
567	81	-0.02	0.14	-0.19	0.0	-1.63e-04	-5.19e-05
567	88	-1.88e-03	6.35e-03	-0.17	0.0	1.35e-05	-8.82e-06
567	92	-2.80e-03	6.89e-03	-0.18	0.0	1.34e-05	-9.54e-06
567	95	-2.73e-03	6.83e-03	-0.18	0.0	1.43e-05	-9.53e-06
567	101	-2.08e-03	6.48e-03	-0.18	0.0	1.33e-05	-8.97e-06
567	104	-1.97e-03	6.40e-03	-0.18	0.0	1.37e-05	-8.91e-06
567	106	-1.88e-03	6.35e-03	-0.17	0.0	1.35e-05	-8.82e-06
568	4	-3.52e-03	7.78e-03	-0.24	0.0	-5.33e-06	-6.74e-06
568	11	-3.33e-03	7.72e-03	-0.24	0.0	-7.34e-06	-6.84e-06

568	38	-0.10	-0.04	-0.12	0.0	-8.77e-04	-2.14e-05
568	49	-2.08e-03	0.14	-0.27	0.0	-3.06e-04	-1.22e-04
568	51	0.05	0.14	-0.29	0.0	2.19e-04	-9.09e-05
568	70	-0.06	-0.03	-0.14	0.0	-4.85e-04	-9.28e-06
568	81	2.62e-03	0.10	-0.24	0.0	-1.67e-04	-8.53e-05
568	83	0.03	0.10	-0.24	0.0	1.22e-04	-6.84e-05
568	88	-1.58e-03	5.33e-03	-0.17	0.0	-2.89e-06	-5.01e-06
568	92	-2.41e-03	5.81e-03	-0.18	0.0	-3.75e-06	-5.14e-06
568	95	-2.28e-03	5.77e-03	-0.18	0.0	-5.09e-06	-5.20e-06
568	101	-1.77e-03	5.43e-03	-0.18	0.0	-2.79e-06	-5.02e-06
568	106	-1.58e-03	5.33e-03	-0.17	0.0	-2.89e-06	-5.01e-06
569	4	-4.65e-03	7.40e-03	-0.24	0.0	-5.49e-06	-1.16e-05
569	11	-4.48e-03	7.31e-03	-0.24	0.0	-6.81e-06	-1.18e-05
569	38	-0.10	-0.04	-0.14	0.0	-8.44e-04	9.35e-05
569	49	-0.01	0.14	-0.20	0.0	-2.75e-04	-5.84e-05
569	51	0.04	0.14	-0.22	0.0	2.28e-04	-1.06e-04
569	70	-0.06	-0.03	-0.15	0.0	-4.67e-04	5.20e-05
569	81	-5.52e-03	0.10	-0.19	0.0	-1.49e-04	-5.08e-05
569	83	0.02	0.10	-0.20	0.0	1.27e-04	-7.70e-05
569	88	-2.39e-03	5.06e-03	-0.17	0.0	-2.64e-06	-8.21e-06
569	92	-3.27e-03	5.52e-03	-0.18	0.0	-3.79e-06	-8.75e-06
569	95	-3.15e-03	5.46e-03	-0.18	0.0	-4.66e-06	-8.85e-06
569	101	-2.59e-03	5.16e-03	-0.17	0.0	-2.69e-06	-8.30e-06
569	104	-2.47e-03	5.10e-03	-0.17	0.0	-3.02e-06	-8.30e-06
569	106	-2.39e-03	5.06e-03	-0.17	0.0	-2.64e-06	-8.21e-06
570	11	-0.01	8.79e-03	-0.23	0.0	5.53e-06	-1.67e-05
570	37	-0.21	0.08	-0.11	0.0	-9.77e-04	-1.86e-04
570	48	0.09	-0.20	-0.29	0.0	2.15e-04	1.22e-04
570	49	-0.10	0.22	-0.05	0.0	-2.06e-04	-1.45e-04
570	69	-0.12	0.05	-0.14	0.0	-5.35e-04	-1.12e-04
570	80	0.05	-0.13	-0.24	0.0	1.20e-04	7.82e-05
570	81	-0.06	0.14	-0.10	0.0	-1.12e-04	-1.00e-04
570	88	-6.09e-03	6.05e-03	-0.17	0.0	4.30e-06	-1.11e-05
570	95	-7.32e-03	6.59e-03	-0.18	0.0	4.35e-06	-1.25e-05
570	101	-6.33e-03	6.12e-03	-0.17	0.0	4.07e-06	-1.10e-05
570	104	-6.24e-03	6.14e-03	-0.17	0.0	4.40e-06	-1.14e-05
570	106	-6.09e-03	6.05e-03	-0.17	0.0	4.30e-06	-1.11e-05
571	4	-8.64e-03	8.97e-03	-0.24	0.0	8.92e-06	-8.80e-06
571	11	-8.56e-03	9.16e-03	-0.24	0.0	1.03e-05	-8.87e-06
571	37	-0.19	0.08	-0.14	0.0	-8.04e-04	-9.19e-05
571	48	0.07	-0.20	-0.21	0.0	1.90e-04	9.30e-05
571	49	-0.08	0.22	-0.13	0.0	-1.75e-04	-1.06e-04
571	69	-0.11	0.05	-0.15	0.0	-4.39e-04	-5.74e-05
571	80	0.04	-0.13	-0.20	0.0	1.08e-04	6.36e-05
571	81	-0.05	0.14	-0.14	0.0	-9.28e-05	-7.57e-05
571	88	-5.06e-03	6.29e-03	-0.17	0.0	7.67e-06	-6.08e-06
571	92	-6.22e-03	6.73e-03	-0.18	0.0	7.06e-06	-6.59e-06
571	95	-6.17e-03	6.86e-03	-0.18	0.0	7.99e-06	-6.63e-06
571	101	-5.30e-03	6.35e-03	-0.17	0.0	7.36e-06	-6.17e-06
571	104	-5.18e-03	6.38e-03	-0.17	0.0	7.86e-06	-6.15e-06
571	106	-5.06e-03	6.29e-03	-0.17	0.0	7.67e-06	-6.08e-06
572	4	-8.84e-03	5.21e-03	-0.23	0.0	-2.47e-05	-9.62e-06
572	11	-8.68e-03	5.34e-03	-0.23	0.0	-2.68e-05	-9.54e-06
572	37	-0.11	0.05	-0.12	0.0	-8.77e-04	1.63e-05
572	48	0.06	-0.14	-0.28	0.0	1.57e-04	7.34e-05
572	49	-0.07	0.14	-0.05	0.0	-1.90e-04	-8.79e-05
572	69	-0.06	0.04	-0.14	0.0	-4.91e-04	1.88e-06
572	80	0.03	-0.09	-0.24	0.0	8.28e-05	5.38e-05
572	81	-0.04	0.10	-0.10	0.0	-1.16e-04	-6.63e-05
572	88	-5.26e-03	3.71e-03	-0.17	0.0	-1.64e-05	-6.26e-06
572	92	-6.39e-03	3.92e-03	-0.18	0.0	-1.83e-05	-7.09e-06
572	95	-6.29e-03	4.01e-03	-0.18	0.0	-1.97e-05	-7.05e-06
572	101	-5.51e-03	3.73e-03	-0.17	0.0	-1.65e-05	-6.44e-06
572	104	-5.37e-03	3.76e-03	-0.17	0.0	-1.70e-05	-6.35e-06
572	106	-5.26e-03	3.71e-03	-0.17	0.0	-1.64e-05	-6.26e-06
573	4	-8.04e-03	5.60e-03	-0.23	0.0	-1.85e-05	-4.20e-06
573	11	-7.90e-03	5.75e-03	-0.24	0.0	-1.99e-05	-4.07e-06
573	37	-0.10	0.05	-0.14	0.0	-8.78e-04	-9.96e-05
573	48	0.05	-0.14	-0.21	0.0	3.09e-04	9.79e-05
573	49	-0.05	0.14	-0.12	0.0	-3.33e-04	-1.05e-04
573	69	-0.06	0.04	-0.15	0.0	-4.90e-04	-5.98e-05
573	80	0.03	-0.09	-0.20	0.0	1.68e-04	6.78e-05
573	81	-0.04	0.10	-0.14	0.0	-1.92e-04	-7.32e-05
573	88	-4.75e-03	3.98e-03	-0.17	0.0	-1.17e-05	-2.70e-06
573	92	-5.81e-03	4.22e-03	-0.18	0.0	-1.36e-05	-3.09e-06
573	95	-5.71e-03	4.32e-03	-0.18	0.0	-1.44e-05	-3.00e-06
573	101	-4.98e-03	4.01e-03	-0.17	0.0	-1.19e-05	-2.79e-06
573	104	-4.85e-03	4.04e-03	-0.17	0.0	-1.22e-05	-2.72e-06
573	106	-4.75e-03	3.98e-03	-0.17	0.0	-1.17e-05	-2.70e-06
574	9	0.06	-5.45e-03	-0.24	0.0	-1.64e-04	-9.50e-05

574	11	0.06	-5.81e-03	-0.24	0.0	-1.67e-04	-9.52e-05
574	32	0.24	-0.15	-0.16	0.0	7.30e-04	-1.89e-04
574	39	0.04	0.37	-0.32	0.0	-1.34e-04	7.93e-05
574	42	0.04	-0.37	-0.03	0.0	-8.04e-05	-2.01e-04
574	64	0.15	-0.08	-0.17	0.0	3.51e-04	-1.27e-04
574	71	0.05	0.20	-0.26	0.0	-1.16e-04	4.24e-06
574	74	0.04	-0.20	-0.10	0.0	-9.92e-05	-1.26e-04
574	87	0.04	-3.75e-03	-0.18	0.0	-1.07e-04	-6.06e-05
574	88	0.04	-3.86e-03	-0.18	0.0	-1.08e-04	-6.07e-05
574	93	0.05	-4.07e-03	-0.18	0.0	-1.22e-04	-7.04e-05
574	95	0.05	-4.32e-03	-0.18	0.0	-1.24e-04	-7.06e-05
574	101	0.04	-3.93e-03	-0.18	0.0	-1.08e-04	-6.08e-05
574	102	0.04	-3.82e-03	-0.18	0.0	-1.10e-04	-6.26e-05
574	105	0.04	-3.75e-03	-0.18	0.0	-1.07e-04	-6.06e-05
574	106	0.04	-3.86e-03	-0.18	0.0	-1.08e-04	-6.07e-05
575	9	0.06	-5.99e-03	-0.24	0.0	-1.58e-04	-1.82e-05
575	11	0.06	-6.36e-03	-0.24	0.0	-1.61e-04	-1.85e-05
575	32	0.23	-0.15	-0.19	0.0	6.34e-04	-2.81e-05
575	42	0.02	-0.37	-0.18	0.0	-1.19e-04	9.84e-05
575	64	0.14	-0.09	-0.19	0.0	3.01e-04	-1.76e-05
575	74	0.02	-0.20	-0.18	0.0	-1.16e-04	6.03e-05
575	87	0.04	-4.12e-03	-0.18	0.0	-1.03e-04	-1.24e-05
575	88	0.04	-4.22e-03	-0.18	0.0	-1.04e-04	-1.25e-05
575	93	0.04	-4.48e-03	-0.18	0.0	-1.17e-04	-1.36e-05
575	95	0.04	-4.72e-03	-0.18	0.0	-1.20e-04	-1.38e-05
575	102	0.04	-4.19e-03	-0.18	0.0	-1.06e-04	-1.27e-05
575	104	0.04	-4.30e-03	-0.18	0.0	-1.07e-04	-1.28e-05
575	105	0.04	-4.12e-03	-0.18	0.0	-1.03e-04	-1.24e-05
575	106	0.04	-4.22e-03	-0.18	0.0	-1.04e-04	-1.25e-05
576	4	0.05	-2.35e-03	-0.23	0.0	2.32e-04	-5.47e-05
576	9	0.05	-2.13e-03	-0.24	0.0	2.58e-04	-5.82e-05
576	35	0.13	-7.48e-03	-0.22	0.0	8.17e-04	-5.39e-05
576	39	0.07	0.20	-0.32	0.0	7.14e-05	-8.66e-05
576	42	-1.73e-03	-0.20	-0.03	0.0	2.52e-04	9.94e-06
576	67	0.09	-6.09e-03	-0.20	0.0	5.24e-04	-4.96e-05
576	71	0.06	0.10	-0.25	0.0	1.18e-04	-7.38e-05
576	74	0.01	-0.11	-0.10	0.0	2.05e-04	-2.86e-06
576	87	0.03	-1.46e-03	-0.17	0.0	1.62e-04	-3.83e-05
576	88	0.03	-1.53e-03	-0.17	0.0	1.62e-04	-3.83e-05
576	92	0.04	-1.73e-03	-0.18	0.0	1.74e-04	-4.11e-05
576	93	0.04	-1.59e-03	-0.18	0.0	1.91e-04	-4.34e-05
576	101	0.03	-1.57e-03	-0.17	0.0	1.61e-04	-3.84e-05
576	102	0.04	-1.49e-03	-0.18	0.0	1.68e-04	-3.93e-05
576	105	0.03	-1.46e-03	-0.17	0.0	1.62e-04	-3.83e-05
576	106	0.03	-1.53e-03	-0.17	0.0	1.62e-04	-3.83e-05
577	9	0.05	-2.82e-03	-0.24	0.0	2.36e-04	-9.26e-06
577	11	0.05	-3.04e-03	-0.24	0.0	2.33e-04	-9.31e-06
577	31	0.12	0.03	-0.19	0.0	8.02e-04	-6.23e-05
577	32	0.11	-0.08	-0.19	0.0	8.66e-04	-4.08e-05
577	42	-2.80e-03	-0.20	-0.18	0.0	5.47e-05	4.27e-05
577	63	0.08	0.01	-0.18	0.0	5.08e-04	-3.98e-05
577	64	0.08	-0.05	-0.18	0.0	5.41e-04	-2.24e-05
577	74	0.01	-0.11	-0.18	0.0	9.18e-05	3.00e-05
577	87	0.03	-1.94e-03	-0.18	0.0	1.48e-04	-6.06e-06
577	88	0.03	-2.00e-03	-0.18	0.0	1.47e-04	-6.08e-06
577	93	0.04	-2.11e-03	-0.18	0.0	1.74e-04	-6.89e-06
577	95	0.04	-2.25e-03	-0.18	0.0	1.72e-04	-6.93e-06
577	101	0.03	-2.04e-03	-0.18	0.0	1.46e-04	-6.09e-06
577	102	0.03	-1.97e-03	-0.18	0.0	1.53e-04	-6.23e-06
577	105	0.03	-1.94e-03	-0.18	0.0	1.48e-04	-6.06e-06
577	106	0.03	-2.00e-03	-0.18	0.0	1.47e-04	-6.08e-06
578	9	0.05	-6.14e-03	-0.24	0.0	-1.69e-04	3.36e-06
578	18	0.05	-6.61e-03	-0.24	0.0	-1.68e-04	3.18e-06
578	23	0.22	0.17	-0.19	0.0	6.08e-04	3.09e-05
578	31	0.22	0.05	-0.19	0.0	6.22e-04	1.41e-05
578	42	-0.05	-0.38	-0.17	0.0	-4.81e-04	7.85e-05
578	55	0.13	0.09	-0.19	0.0	2.83e-04	1.42e-05
578	63	0.14	0.03	-0.19	0.0	2.90e-04	4.94e-06
578	74	-9.22e-03	-0.20	-0.17	0.0	-3.10e-04	5.57e-05
578	87	0.03	-4.53e-03	-0.18	0.0	-1.11e-04	1.83e-06
578	88	0.03	-4.64e-03	-0.18	0.0	-1.12e-04	1.67e-06
578	93	0.04	-4.66e-03	-0.18	0.0	-1.26e-04	2.46e-06
578	99	0.04	-4.97e-03	-0.18	0.0	-1.25e-04	2.34e-06
578	101	0.03	-4.71e-03	-0.18	0.0	-1.13e-04	1.57e-06
578	102	0.04	-4.56e-03	-0.18	0.0	-1.14e-04	1.96e-06
578	105	0.03	-4.53e-03	-0.18	0.0	-1.11e-04	1.83e-06
578	106	0.03	-4.64e-03	-0.18	0.0	-1.12e-04	1.67e-06
579	9	0.06	-6.70e-03	-0.24	0.0	-1.80e-04	7.97e-05
579	11	0.06	-7.06e-03	-0.24	0.0	-1.84e-04	7.90e-05
579	18	0.05	-7.16e-03	-0.24	0.0	-1.79e-04	7.41e-05

579	31	0.24	0.05	-0.16	0.0	7.13e-04	1.72e-04
579	40	0.04	-0.33	-0.32	0.0	-1.25e-04	-8.64e-05
579	42	-0.07	-0.38	-0.31	0.0	-5.75e-04	-1.40e-04
579	63	0.15	0.03	-0.17	0.0	3.36e-04	1.13e-04
579	72	0.04	-0.18	-0.26	0.0	-1.15e-04	-1.33e-05
579	74	-0.02	-0.20	-0.25	0.0	-3.63e-04	-4.27e-05
579	87	0.04	-4.91e-03	-0.18	0.0	-1.18e-04	4.97e-05
579	88	0.04	-5.01e-03	-0.18	0.0	-1.19e-04	4.95e-05
579	93	0.04	-5.08e-03	-0.19	0.0	-1.34e-04	5.88e-05
579	95	0.04	-5.32e-03	-0.19	0.0	-1.37e-04	5.84e-05
579	99	0.04	-5.39e-03	-0.18	0.0	-1.33e-04	5.51e-05
579	101	0.04	-5.08e-03	-0.18	0.0	-1.20e-04	4.94e-05
579	102	0.04	-4.94e-03	-0.18	0.0	-1.21e-04	5.15e-05
579	104	0.04	-5.05e-03	-0.18	0.0	-1.23e-04	5.14e-05
579	105	0.04	-4.91e-03	-0.18	0.0	-1.18e-04	4.97e-05
579	106	0.04	-5.01e-03	-0.18	0.0	-1.19e-04	4.95e-05
580	9	0.05	-4.57e-03	-0.24	0.0	2.25e-04	0.0
580	18	0.04	-4.87e-03	-0.24	0.0	2.04e-04	0.0
580	27	0.11	0.06	-0.19	0.0	7.89e-04	2.56e-05
580	36	0.12	-0.05	-0.19	0.0	8.42e-04	6.06e-05
580	42	0.01	-0.20	-0.17	0.0	-1.54e-04	2.16e-05
580	59	0.07	0.03	-0.18	0.0	4.95e-04	1.10e-05
580	68	0.08	-0.03	-0.18	0.0	5.27e-04	3.59e-05
580	74	0.02	-0.11	-0.17	0.0	-1.72e-05	2.10e-05
580	87	0.03	-3.33e-03	-0.18	0.0	1.40e-04	0.0
580	88	0.03	-3.39e-03	-0.18	0.0	1.39e-04	0.0
580	93	0.04	-3.46e-03	-0.18	0.0	1.66e-04	0.0
580	99	0.03	-3.66e-03	-0.18	0.0	1.52e-04	0.0
580	101	0.03	-3.44e-03	-0.18	0.0	1.38e-04	0.0
580	102	0.03	-3.36e-03	-0.18	0.0	1.45e-04	0.0
580	105	0.03	-3.33e-03	-0.18	0.0	1.40e-04	0.0
580	106	0.03	-3.39e-03	-0.18	0.0	1.39e-04	0.0
581	9	0.05	-5.26e-03	-0.24	0.0	2.43e-04	5.03e-05
581	11	0.05	-5.48e-03	-0.24	0.0	2.39e-04	5.01e-05
581	18	0.05	-5.55e-03	-0.24	0.0	2.21e-04	4.81e-05
581	36	0.12	-0.05	-0.22	0.0	7.86e-04	4.42e-05
581	40	0.07	-0.18	-0.32	0.0	8.15e-05	8.13e-05
581	42	0.02	-0.20	-0.30	0.0	-3.16e-04	8.62e-05
581	68	0.08	-0.03	-0.20	0.0	5.02e-04	4.16e-05
581	72	0.05	-0.10	-0.26	0.0	1.19e-04	6.83e-05
581	74	0.03	-0.11	-0.25	0.0	-9.96e-05	7.10e-05
581	87	0.03	-3.80e-03	-0.18	0.0	1.52e-04	3.27e-05
581	88	0.03	-3.87e-03	-0.18	0.0	1.50e-04	3.26e-05
581	93	0.04	-3.98e-03	-0.18	0.0	1.80e-04	3.74e-05
581	95	0.04	-4.13e-03	-0.18	0.0	1.77e-04	3.73e-05
581	99	0.04	-4.17e-03	-0.18	0.0	1.65e-04	3.60e-05
581	101	0.03	-3.91e-03	-0.18	0.0	1.50e-04	3.25e-05
581	102	0.03	-3.84e-03	-0.18	0.0	1.57e-04	3.36e-05
581	104	0.03	-3.90e-03	-0.18	0.0	1.56e-04	3.35e-05
581	105	0.03	-3.80e-03	-0.18	0.0	1.52e-04	3.27e-05
581	106	0.03	-3.87e-03	-0.18	0.0	1.50e-04	3.26e-05
Nodo		Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		-0.28	-0.56	-0.45	-1.62e-03	-1.05e-03	-2.47e-04
		0.29	0.54	0.05	1.64e-03	9.34e-04	2.35e-04

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

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

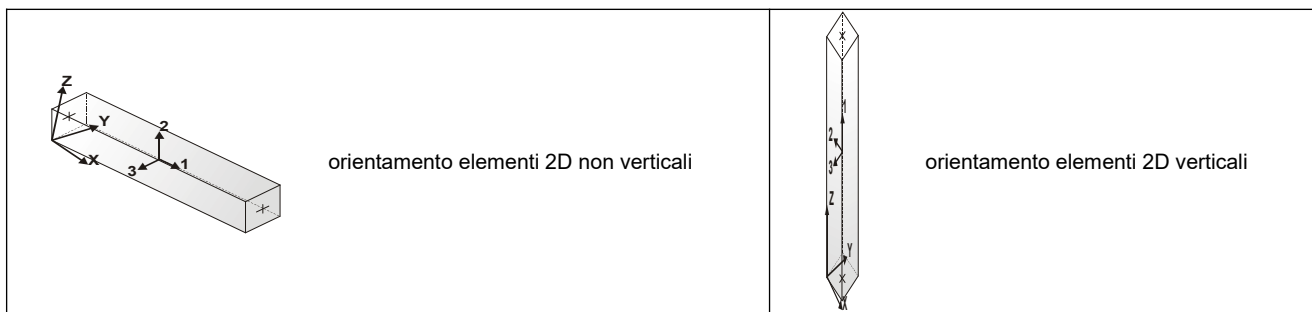
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
1		5-4.515e+04	-129.46	0.01	0.0	0.0	-2783.88	388.41	32.98	-1824.18	-3262.34	-8.186e+04
		-8.186e+04	-3262.34	-2.58e-04	0.0	95.0	-2487.01	388.41	32.98	-1824.18	-129.46	-4.515e+04
1		11-6.975e+04	-225.06	0.02	0.0	0.0	-4181.32	525.11	56.83	-2691.76	-5624.02	-1.193e+05
		-1.193e+05	-5624.02	-5.98e-04	0.0	95.0	-3795.39	525.11	56.83	-2691.76	-225.06	-6.975e+04
1		32-2.930e+04	2280.76	0.01	0.0	0.0	-2542.30	469.26	-40.77	-3170.09	2280.76	-7.368e+04
		-7.368e+04	-1569.73	3.15e-03	0.0	95.0	-2245.43	469.26	-40.77	-3170.09	-1569.73	-2.930e+04
1		33-5.939e+04	1263.29	0.01	0.0	0.0	-3252.34	402.33	110.19	-574.25	-9182.48	-9.741e+04
		-9.741e+04	-9182.48	-3.81e-03	0.0	95.0	-2955.46	402.33	110.19	-574.25	1263.29	-5.939e+04
1		48 -972.85	5523.97	0.05	0.0	0.0	-2662.06	655.64	-59.93	-905.19	5523.97	-6.301e+04
		-6.301e+04	-186.00	2.10e-03	0.0	95.0	-2365.18	655.64	-59.93	-905.19	-186.00	-972.85
1		49-7.343e+04	-170.32	-0.03	0.0	0.0	-3131.35	417.90	126.61	-2748.43	-1.222e+04	-1.130e+05
		-1.130e+05	-1.222e+04	-2.77e-03	0.0	95.0	-2834.47	417.90	126.61	-2748.43	-170.32	-7.343e+04
1		64-4.003e+04	-254.62	0.02	0.0	0.0	-2701.38	384.20	-7.03	-2599.28	-254.62	-7.636e+04
		-7.636e+04	-907.84	1.64e-03	0.0	95.0	-2404.50	384.20	-7.03	-2599.28	-907.84	-4.003e+04
1		65-5.481e+04	618.65	0.01	0.0	0.0	-3094.63	400.95	78.17	-1169.98	-6792.74	-9.267e+04
		-9.267e+04	-6792.74	-2.33e-03	0.0	95.0	-2797.76	400.95	78.17	-1169.98	618.65	-5.481e+04
1		80-3.046e+04	1988.14	0.04	0.0	0.0	-2763.28	368.71	-22.19	-1396.10	1988.14	-6.534e+04
		-6.534e+04	-130.00	1.05e-03	0.0	95.0	-2466.40	368.71	-22.19	-1396.10	-130.00	-3.046e+04
1		81-6.438e+04	-159.18	-0.01	0.0	0.0	-3032.73	416.44	93.33	-2373.16	-9035.50	-1.037e+05
		-1.037e+05	-9035.50	-1.74e-03	0.0	95.0	-2735.86	416.44	93.33	-2373.16	-159.18	-6.438e+04
1		87-4.611e+04	-134.50	0.01	0.0	0.0	-2832.71	390.17	34.18	-1851.85	-3381.82	-8.298e+04
		-8.298e+04	-3381.82	-2.82e-04	0.0	95.0	-2535.84	390.17	34.18	-1851.85	-134.50	-4.611e+04
1		88-4.742e+04	-144.59	0.01	0.0	0.0	-2898.00	392.58	35.57	-1884.63	-3523.68	-8.451e+04
		-8.451e+04	-3523.68	-3.41e-04	0.0	95.0	-2601.13	392.58	35.57	-1884.63	-144.59	-4.742e+04
1		89-4.611e+04	-134.50	0.01	0.0	0.0	-2832.71	390.17	34.18	-1851.85	-3381.82	-8.298e+04
		-8.298e+04	-3381.82	-2.82e-04	0.0	95.0	-2535.84	390.17	34.18	-1851.85	-134.50	-4.611e+04
1		95-5.201e+04	-164.61	0.02	0.0	0.0	-3132.69	400.93	41.64	-2022.97	-4120.60	-8.988e+04
		-8.988e+04	-4120.60	-4.20e-04	0.0	95.0	-2835.82	400.93	41.64	-2022.97	-164.61	-5.201e+04
1		100-4.611e+04	-134.50	0.01	0.0	0.0	-2832.71	390.17	34.18	-1851.85	-3381.82	-8.298e+04
		-8.298e+04	-3381.82	-2.82e-04	0.0	95.0	-2535.84	390.17	34.18	-1851.85	-134.50	-4.611e+04
1		101-4.829e+04	-151.32	0.02	0.0	0.0	-2941.53	394.19	36.49	-1906.48	-3618.25	-8.553e+04
		-8.553e+04	-3618.25	-3.80e-04	0.0	95.0	-2644.66	394.19	36.49	-1906.48	-151.32	-4.829e+04
1		105-4.611e+04	-134.50	0.01	0.0	0.0	-2832.71	390.17	34.18	-1851.85	-3381.82	-8.298e+04
		-8.298e+04	-3381.82	-2.82e-04	0.0	95.0	-2535.84	390.17	34.18	-1851.85	-134.50	-4.611e+04
1		106-4.742e+04	-144.59	0.01	0.0	0.0	-2898.00	392.58	35.57	-1884.63	-3523.68	-8.451e+04
		-8.451e+04	-3523.68	-3.41e-04	0.0	95.0	-2601.13	392.58	35.57	-1884.63	-144.59	-4.742e+04
2		3-6.881e+04	-90.01	0.02	0.0	0.0	-3970.54	486.67	14.39	-783.61	-1457.00	-1.141e+05
		-1.141e+05	-1457.00	-1.11e-03	0.0	95.0	-3584.60	486.67	14.39	-783.61	-90.01	-6.881e+04
2		5-4.641e+04	-26.00	0.02	0.0	0.0	-2732.77	365.36	7.85	-631.07	-771.71	-8.048e+04
		-8.048e+04	-771.71	-4.54e-04	0.0	95.0	-2435.90	365.36	7.85	-631.07	-26.00	-4.641e+04
2		11-7.129e+04	-85.89	0.02	0.0	0.0	-4096.74	490.11	12.32	-824.45	-1256.01	-1.169e+05
		-1.169e+05	-1256.01	-1.04e-03	0.0	95.0	-3710.81	490.11	12.32	-824.45	-85.89	-7.129e+04
2		39-5.669e+04	-11.24	-3.70e-03	0.0	0.0	-2582.84	371.05	43.52	-1999.12	-4147.39	-9.133e+04
		-9.133e+04	-4147.39	-8.79e-04	0.0	95.0	-2285.96	371.05	43.52	-1999.12	-11.24	-5.669e+04
2		42-1.972e+04	2430.83	0.03	0.0	0.0	-3103.67	658.17	-26.03	554.51	2430.83	-8.163e+04
		-8.163e+04	-43.38	-2.14e-04	0.0	95.0	-2806.80	658.17	-26.03	554.51	-43.38	-1.972e+04
2		48 -8569.15	7343.15	0.05	0.0	0.0	-2636.38	648.59	-88.95	350.83	7343.15	-6.954e+04
		-6.954e+04	-1133.94	3.86e-03	0.0	95.0	-2339.51	648.59	-88.95	350.83	-1133.94	-8569.15
2		49-6.785e+04	1079.32	-0.02	0.0	0.0	-3050.13	380.62	106.44	-1795.44	-9059.71	-1.034e+05
		-1.034e+05	-9059.71	-4.95e-03	0.0	95.0	-2753.25	380.62	106.44	-1795.44	1079.32	-6.785e+04
2		71-5.549e+04	-72.76	4.58e-03	0.0	0.0	-2707.43	378.56	33.00	-1611.76	-3207.12	-9.072e+04
		-9.072e+04	-3207.12	-1.04e-03	0.0	95.0	-2410.56	378.56	33.00	-1611.76	-72.76	-5.549e+04
2		74-4.175e+04	1456.66	0.03	0.0	0.0	-2976.27	358.26	-15.41	364.23	1456.66	-7.519e+04
		-7.519e+04	-6.71	-1.19e-04	0.0	95.0	-2679.40	358.26	-15.41	364.23	-6.71	-4.175e+04
2		80-3.562e+04	4129.86	0.04	0.0	0.0	-2728.98	352.89	-49.61	255.24	4129.86	-6.854e+04
		-6.854e+04	-597.99	2.16e-03	0.0	95.0	-2432.10	352.89	-49.61	255.24	-597.99	-3.562e+04
2		81-6.162e+04	518.52	-9.32e-03	0.0	0.0	-2954.73	383.93	67.20	-1502.77	-5880.31	-9.736e+04
		-9.736e+04	-5880.31	-3.31e-03	0.0	95.0	-2657.86	383.93	67.20	-1502.77	518.52	-6.162e+04
2		87-4.736e+04	-30.62	0.02	0.0	0.0	-2779.98	366.67	8.05	-631.16	-795.34	-8.155e+04
		-8.155e+04	-795.34	-4.94e-04	0.0	95.0	-2483.11	366.67	8.05	-631.16	-30.62	-4.736e+04
2		88-4.862e+04	-39.74	0.02	0.0	0.0	-2841.85	368.41	8.79	-623.76	-875.23	-8.295e+04
		-8.295e+04	-875.23	-5.80e-04	0.0	95.0	-2544.98	368.41	8.79	-623.76	-39.74	-4.862e+04
2		89-4.736e+04	-30.62	0.02	0.0	0.0	-2779.98	366.67	8.05	-631.16	-795.34	-8.155e+04
		-8.155e+04	-795.34	-4.94e-04	0.0	95.0	-2483.11	366.67	8.05	-631.16	-30.62	-4.736e+04
2		91-5.155e+04	-61.00	0.02	0.0	0.0	-2986.22	372.46	10.53	-606.50	-1061.62	-8.624e+04
		-8.624e+04	-1061.62	-7.78e-04	0.0	95.0	-2689.34	372.46	10.53	-606.50	-61.00	-5.155e+04
2		95-5.321e+04	-58.26	0.02	0.0	0.0	-3070.35	374.75	9.15	-633.73	-927.63	-8.809e+04
		-8.809e+04	-927.63	-7.31e-04	0.0	95.0	-2773.48	374.75	9.15	-633.73	-58.26	-5.321e+04
2		100-4.736e+04	-30.62	0.02	0.0	0.0	-2779.98	366.67	8.05	-631.16	-795.34	-8.155e+04
		-8.155e+04	-795.34	-4.94e-04	0.0	95.0	-2483.11	366.67	8.05	-631.16	-30.62	-4.736e+04
2		101-4.946e+04	-45.81	0.02	0.0	0.0	-2883.10	369.57	9.29	-618.83	-928.48	-8.389e+04
		-8.389e+04	-928.48	-6.36e-04	0.0	95.0	-2586.23	369.57	9.29	-618.83	-45.81	-4.946e+04
2		105-4.736e+04	-30.62	0.02	0.0	0.0	-2779.98	366.67	8.05	-631.16	-795.34	-8.155e+04
		-8.155e+04	-795.34	-4.94e-04	0.0	95.0	-2483.11	366.67	8.05	-631.16	-30.62	-4.736e+04

2	106	-4.862e+04	-39.74	0.02	0.0	0.0	-2841.85	368.41	8.79	-623.76	-875.23	-8.295e+04
		-8.295e+04	-875.23	-5.80e-04	0.0	95.0	-2544.98	368.41	8.79	-623.76	-39.74	-4.862e+04
7	5	7.667e+04	-86.80	-0.02	0.0	0.0	-2752.46	-385.97	23.94	1505.73	-2361.43	7.667e+04
		4.012e+04	-2361.43	6.64e-04	0.0	95.0	-2455.59	-385.97	23.94	1505.73	-86.80	4.012e+04
7	11	1.114e+05	-155.41	-0.03	0.0	0.0	-4129.80	-520.99	43.64	2181.20	-4301.04	1.114e+05
		6.206e+04	-4301.04	8.43e-04	0.0	95.0	-3743.86	-520.99	43.64	2181.20	-155.41	6.206e+04
7	32	7.389e+04	139.12	-0.02	0.0	0.0	-2500.94	-385.03	-17.64	2903.39	139.12	7.389e+04
		3.739e+04	-1603.56	3.79e-03	0.0	95.0	-2204.07	-385.03	-17.64	2903.39	-1603.56	3.739e+04
7	45	7.833e+04	3124.03	-0.03	0.0	0.0	-3221.37	-678.56	-33.50	-335.38	3124.03	7.833e+04
		1.406e+04	-104.26	-2.70e-04	0.0	95.0	-2924.50	-678.56	-33.50	-335.38	-104.26	1.406e+04
7	47	6.450e+04	1.013e+04	-0.05	0.0	0.0	-3045.96	-666.56	-114.70	-80.65	1.013e+04	6.450e+04
		1313.89	-850.29	1.32e-03	0.0	95.0	-2749.09	-666.56	-114.70	-80.65	-850.29	1313.89
7	50	1.007e+05	586.10	0.02	0.0	0.0	-2679.59	-401.49	162.61	3034.73	-1.495e+04	1.007e+05
		6.269e+04	-1.495e+04	7.52e-05	0.0	95.0	-2382.71	-401.49	162.61	3034.73	586.10	6.269e+04
7	64	7.717e+04	-915.17	-0.02	0.0	0.0	-2666.48	-390.14	5.42	2302.70	-1392.40	7.717e+04
		4.024e+04	-1392.40	2.43e-03	0.0	95.0	-2369.60	-390.14	5.42	2302.70	-915.17	4.024e+04
7	65	8.098e+04	718.38	-0.02	0.0	0.0	-3062.40	-389.77	47.11	790.60	-3794.72	8.098e+04
		4.407e+04	-3794.72	-1.17e-03	0.0	95.0	-2765.53	-389.77	47.11	790.60	718.38	4.407e+04
7	79	6.400e+04	5001.78	-0.04	0.0	0.0	-2961.69	-374.00	-57.09	675.87	5001.78	6.400e+04
		2.852e+04	-470.52	9.54e-04	0.0	95.0	-2664.82	-374.00	-57.09	675.87	-470.52	2.852e+04
7	82	9.415e+04	273.73	6.29e-03	0.0	0.0	-2767.19	-405.91	109.62	2417.42	-1.019e+04	9.415e+04
		5.579e+04	-1.019e+04	3.06e-04	0.0	95.0	-2470.31	-405.91	109.62	2417.42	273.73	5.579e+04
7	87	7.768e+04	-90.59	-0.02	0.0	0.0	-2800.37	-387.64	25.02	1525.02	-2467.78	7.768e+04
		4.098e+04	-2467.78	6.61e-04	0.0	95.0	-2503.49	-387.64	25.02	1525.02	-90.59	4.098e+04
7	88	7.907e+04	-98.40	-0.02	0.0	0.0	-2864.44	-389.96	26.26	1546.65	-2593.56	7.907e+04
		4.216e+04	-2593.56	6.30e-04	0.0	95.0	-2567.56	-389.96	26.26	1546.65	-98.40	4.216e+04
7	89	7.768e+04	-90.59	-0.02	0.0	0.0	-2800.37	-387.64	25.02	1525.02	-2467.78	7.768e+04
		4.098e+04	-2467.78	6.61e-04	0.0	95.0	-2503.49	-387.64	25.02	1525.02	-90.59	4.098e+04
7	95	8.392e+04	-113.16	-0.02	0.0	0.0	-3094.65	-397.90	31.71	1644.61	-3125.50	8.392e+04
		4.626e+04	-3125.50	6.52e-04	0.0	95.0	-2797.77	-397.90	31.71	1644.61	-113.16	4.626e+04
7	100	7.768e+04	-90.59	-0.02	0.0	0.0	-2800.37	-387.64	25.02	1525.02	-2467.78	7.768e+04
		4.098e+04	-2467.78	6.61e-04	0.0	95.0	-2503.49	-387.64	25.02	1525.02	-90.59	4.098e+04
7	101	8.000e+04	-103.60	-0.02	0.0	0.0	-2907.15	-391.50	27.09	1561.07	-2677.42	8.000e+04
		4.294e+04	-2677.42	6.10e-04	0.0	95.0	-2610.28	-391.50	27.09	1561.07	-103.60	4.294e+04
7	105	7.768e+04	-90.59	-0.02	0.0	0.0	-2800.37	-387.64	25.02	1525.02	-2467.78	7.768e+04
		4.098e+04	-2467.78	6.61e-04	0.0	95.0	-2503.49	-387.64	25.02	1525.02	-90.59	4.098e+04
7	106	7.907e+04	-98.40	-0.02	0.0	0.0	-2864.44	-389.96	26.26	1546.65	-2593.56	7.907e+04
		4.216e+04	-2593.56	6.30e-04	0.0	95.0	-2567.56	-389.96	26.26	1546.65	-98.40	4.216e+04
8	3	1.095e+05	63.84	-0.03	0.0	0.0	-3987.44	-482.71	4.36	264.35	-350.75	1.095e+05
		6.450e+04	-350.75	1.10e-04	0.0	95.0	-3601.50	-482.71	4.36	264.35	63.84	6.450e+04
8	5	7.734e+04	78.28	-0.02	0.0	0.0	-2744.81	-362.67	0.94	276.92	-11.24	7.734e+04
		4.349e+04	-11.24	3.62e-04	0.0	95.0	-2447.94	-362.67	0.94	276.92	78.28	4.349e+04
8	11	1.121e+05	73.40	-0.03	0.0	0.0	-4113.72	-485.97	1.96	286.24	-113.20	1.121e+05
		6.682e+04	-113.20	2.27e-04	0.0	95.0	-3727.78	-485.97	1.96	286.24	73.40	6.682e+04
8	12	8.193e+04	132.54	-0.02	0.0	0.0	-2964.19	-368.43	-0.57	274.71	132.54	8.193e+04
		4.759e+04	78.23	3.87e-04	0.0	95.0	-2667.31	-368.43	-0.57	274.71	78.23	4.759e+04
8	44	8.750e+04	224.59	-2.86e-03	0.0	0.0	-2582.10	-368.82	39.71	1728.22	-3584.92	8.750e+04
		5.303e+04	-3584.92	4.87e-04	0.0	95.0	-2285.22	-368.82	39.71	1728.22	224.59	5.303e+04
8	45	7.894e+04	3474.52	-0.03	0.0	0.0	-3127.67	-654.71	-36.92	-1022.12	3474.52	7.894e+04
		1.735e+04	-69.49	1.26e-04	0.0	95.0	-2830.79	-654.71	-36.92	-1022.12	-69.49	1.735e+04
8	47	6.917e+04	7935.29	-0.05	0.0	0.0	-2613.39	-646.26	-95.12	-917.07	7935.29	6.917e+04
		8406.58	-1131.90	3.23e-03	0.0	95.0	-2316.52	-646.26	-95.12	-917.07	-1131.90	8406.58
8	50	9.726e+04	1287.01	0.02	0.0	0.0	-3096.37	-377.27	97.92	1623.16	-8045.69	9.726e+04
		6.198e+04	-8045.69	-2.62e-03	0.0	95.0	-2799.50	-377.27	97.92	1623.16	1287.01	6.198e+04
8	76	8.695e+04	154.49	-5.76e-03	0.0	0.0	-2711.18	-376.00	28.57	1304.74	-2579.23	8.695e+04
		5.192e+04	-2579.23	2.03e-04	0.0	95.0	-2414.31	-376.00	28.57	1304.74	154.49	5.192e+04
8	77	7.238e+04	2411.22	-0.03	0.0	0.0	-2997.23	-355.19	-25.34	-796.34	2411.22	7.238e+04
		3.921e+04	-15.88	3.53e-04	0.0	95.0	-2700.36	-355.19	-25.34	-796.34	-15.88	3.921e+04
8	79	6.700e+04	4848.56	-0.04	0.0	0.0	-2724.88	-350.46	-57.14	-741.70	4848.56	6.700e+04
		3.429e+04	-596.25	2.10e-03	0.0	95.0	-2428.01	-350.46	-57.14	-741.70	-596.25	3.429e+04
8	82	9.232e+04	734.86	4.34e-03	0.0	0.0	-2983.53	-380.73	60.37	1250.10	-5016.56	9.232e+04
		5.684e+04	-5016.56	-1.54e-03	0.0	95.0	-2686.65	-380.73	60.37	1250.10	734.86	5.684e+04
8	87	7.834e+04	75.71	-0.02	0.0	0.0	-2792.14	-363.92	1.02	270.27	-21.49	7.834e+04
		4.439e+04	-21.49	3.40e-04	0.0	95.0	-2495.26	-363.92	1.02	270.27	75.71	4.439e+04
8	88	7.966e+04	69.31	-0.02	0.0	0.0	-2854.21	-365.60	1.61	254.20	-84.00	7.966e+04
		4.557e+04	-84.00	2.78e-04	0.0	95.0	-2557.33	-365.60	1.61	254.20	69.31	4.557e+04
8	89	7.834e+04	75.71	-0.02	0.0	0.0	-2792.14	-363.92	1.02	270.27	-21.49	7.834e+04
		4.439e+04	-21.49	3.40e-04	0.0	95.0	-2495.26	-363.92	1.02	270.27	75.71	4.439e+04
8	91	8.276e+04	54.37	-0.02	0.0	0.0	-2999.03	-369.49	2.99	216.70	-229.86	8.276e+04
		4.832e+04	-229.86	1.33e-04	0.0	95.0	-2702.15	-369.49	2.99	216.70	54.37	4.832e+04
8	95	8.449e+04	60.74	-0.02	0.0	0.0	-3083.21	-371.67	1.39	231.30	-71.50	8.449e+04
		4.987e+04	-71.50	2.12e-04	0.0	95.0	-2786.34	-371.67	1.39	231.30	60.74	4.987e+04
8	100	7.834e+04	75.71	-0.02	0.0	0.0	-2792.14	-363.92	1.02	270.27	-21.49	7.834e+04
		4.439e+04	-21.49	3.40e-04	0.0	95.0	-2495.26	-363.92	1.02	270.27	75.71	4.439e+04
8	101	8.055e+04	65.04	-0.02	0.0	0.0	-2895.58	-366.71	2.01	243.49	-125.68	8.055e+04
		4.635e+04	-125.68	2.37e-04	0.0	95.0	-2598.71	-366.71	2.01	243.49	65.04	4.635e+04
8	105	7.834e+04	75.71	-0.02	0.0	0.0	-2792.14	-363.92	1.02	270.27	-21.49	7.834e+04
		4.439e+04	-21.49	3.40e-04	0.0	95.0	-2495.26	-363.92	1.02	270.27	75.71	4.439e+04
8	106	7.966e+04	69.31	-0.02	0.0	0.0	-2854.21	-365.60	1.61	254.20	-84.00	7.966e+04
		4.557e+04	-84.00	2.78e-04	0.0	95.0	-2557.33	-365.60	1.61	254.20	69.31	4.557e+04

11	7	-1.485e+04	1.166e+05	-9.16e-03	0.0	0.0	-9212.03	17.68	520.64	-544.57	-4.996e+04	-2.051e+04
		-2.051e+04	-4.996e+04	-4.65e-03	0.0	320.0	-8212.03	17.68	520.64	-544.57	1.166e+05	-1.485e+04
11	9	-1.974e+04	1.906e+05	-0.01	0.0	0.0	-1.465e+04	18.44	852.10	-707.53	-8.210e+04	-2.564e+04
		-2.564e+04	-8.210e+04	-6.93e-03	0.0	320.0	-1.335e+04	18.44	852.10	-707.53	1.906e+05	-1.974e+04
11	11	-1.953e+04	1.908e+05	-0.01	0.0	0.0	-1.464e+04	26.25	854.23	-743.68	-8.253e+04	-2.793e+04
		-2.793e+04	-8.253e+04	-7.46e-03	0.0	320.0	-1.334e+04	26.25	854.23	-743.68	1.908e+05	-1.953e+04
11	24	-1.679e+04	7.671e+05	0.06	0.0	0.0	-1.095e+04	-3.92	-3997.70	-609.80	7.671e+05	-1.720e+04
		-1.720e+04	-5.122e+05	0.23	0.0	320.0	-9948.64	-3.92	-3997.70	-609.80	-5.122e+05	-1.679e+04
11	25	-1.361e+04	7.521e+05	-0.08	0.0	0.0	-7932.21	9.69	5068.58	-392.31	-8.699e+05	-1.504e+04
		-1.504e+04	-8.914e+05	-0.23	0.0	320.0	-6932.21	9.69	5068.58	-392.31	7.521e+05	-1.361e+04
11	32	-1.687e+04	7.886e+05	0.02	0.0	0.0	-1.094e+04	-3.24	-4117.12	-3994.60	7.886e+05	-1.728e+04
		-1.728e+04	-5.290e+05	0.24	0.0	320.0	-9942.11	-3.24	-4117.12	-3994.60	-5.290e+05	-1.687e+04
11	33	-1.353e+04	7.689e+05	-0.03	0.0	0.0	-7938.74	9.01	5188.00	2992.49	-8.914e+05	-1.496e+04
		-1.496e+04	-8.914e+05	-0.24	0.0	320.0	-6938.74	9.01	5188.00	2992.49	7.689e+05	-1.353e+04
11	48	1.031e+04	2.255e+05	0.20	0.0	0.0	-1.050e+04	7.11	-998.83	-2045.32	2.255e+05	1.031e+04
		-1.180e+04	-9.450e+04	0.07	0.0	320.0	-9500.67	7.11	-998.83	-2045.32	-9.450e+04	-1.180e+04
11	49	-1.926e+04	3.338e+05	-0.22	0.0	0.0	-8386.07	-37.17	2065.61	1079.88	-3.276e+05	-3.175e+04
		-3.175e+04	-3.276e+05	-0.06	0.0	320.0	-7386.07	-37.17	2065.61	1079.88	3.338e+05	-1.926e+04
11	64	-1.579e+04	4.099e+05	0.01	0.0	0.0	-1.025e+04	9.11	-2019.72	-2371.22	4.099e+05	-1.955e+04
		-1.955e+04	-2.364e+05	0.13	0.0	320.0	-9246.06	9.11	-2019.72	-2371.22	-2.364e+05	-1.579e+04
11	65	-1.436e+04	4.757e+05	-0.02	0.0	0.0	-8636.63	11.48	3086.27	1346.95	-5.119e+05	-1.719e+04
		-1.719e+04	-5.119e+05	-0.13	0.0	320.0	-7636.63	11.48	3086.27	1346.95	4.757e+05	-1.436e+04
11	80	-8805.25	9.842e+04	0.11	0.0	0.0	-9989.15	29.09	-293.96	-1164.07	9.842e+04	-8805.25
		-1.243e+04	4148.89	0.04	0.0	320.0	-8989.15	29.09	-293.96	-1164.07	4148.89	-1.243e+04
11	81	-1.771e+04	2.352e+05	-0.13	0.0	0.0	-8893.55	-8.50	1360.51	139.80	-2.004e+05	-2.793e+04
		-2.793e+04	-2.004e+05	-0.03	0.0	320.0	-7893.55	-8.50	1360.51	139.80	2.352e+05	-1.771e+04
11	87	-1.513e+04	1.196e+05	-8.44e-03	0.0	0.0	-9443.63	8.07	532.67	-501.81	-5.087e+04	-1.771e+04
		-1.771e+04	-5.087e+04	-4.10e-03	0.0	320.0	-8443.63	8.07	532.67	-501.81	1.196e+05	-1.513e+04
11	88	-1.507e+04	1.197e+05	-8.61e-03	0.0	0.0	-9441.35	10.30	533.27	-512.14	-5.100e+04	-1.837e+04
		-1.837e+04	-5.100e+04	-4.26e-03	0.0	320.0	-8441.35	10.30	533.27	-512.14	1.197e+05	-1.507e+04
11	91	-1.494e+04	1.198e+05	-9.01e-03	0.0	0.0	-9436.03	15.50	534.69	-536.24	-5.129e+04	-1.990e+04
		-1.990e+04	-5.129e+04	-4.61e-03	0.0	320.0	-8436.03	15.50	534.69	-536.24	1.198e+05	-1.494e+04
11	93	-1.519e+04	1.408e+05	-8.86e-03	0.0	0.0	-1.088e+04	12.33	629.04	-532.68	-6.050e+04	-1.913e+04
		-1.913e+04	-6.050e+04	-5.03e-03	0.0	320.0	-9880.89	12.33	629.04	-532.68	1.408e+05	-1.519e+04
11	95	-1.505e+04	1.410e+05	-9.26e-03	0.0	0.0	-1.088e+04	17.54	630.46	-556.78	-6.079e+04	-2.066e+04
		-2.066e+04	-6.079e+04	-5.38e-03	0.0	320.0	-9875.57	17.54	630.46	-556.78	1.410e+05	-1.505e+04
11	101	-1.503e+04	1.197e+05	-8.72e-03	0.0	0.0	-9439.83	11.79	533.68	-519.02	-5.108e+04	-1.881e+04
		-1.881e+04	-5.108e+04	-4.36e-03	0.0	320.0	-8439.83	11.79	533.68	-519.02	1.197e+05	-1.503e+04
11	102	-1.514e+04	1.238e+05	-8.52e-03	0.0	0.0	-9731.08	8.92	551.94	-507.98	-5.280e+04	-1.800e+04
		-1.800e+04	-5.280e+04	-4.29e-03	0.0	320.0	-8731.08	8.92	551.94	-507.98	1.238e+05	-1.514e+04
11	104	-1.508e+04	1.239e+05	-8.69e-03	0.0	0.0	-9728.80	11.15	552.55	-518.31	-5.292e+04	-1.865e+04
		-1.865e+04	-5.292e+04	-4.44e-03	0.0	320.0	-8728.80	11.15	552.55	-518.31	1.239e+05	-1.508e+04
11	105	-1.513e+04	1.196e+05	-8.44e-03	0.0	0.0	-9443.63	8.07	532.67	-501.81	-5.087e+04	-1.771e+04
		-1.771e+04	-5.087e+04	-4.10e-03	0.0	320.0	-8443.63	8.07	532.67	-501.81	1.196e+05	-1.513e+04
11	106	-1.507e+04	1.197e+05	-8.61e-03	0.0	0.0	-9441.35	10.30	533.27	-512.14	-5.100e+04	-1.837e+04
		-1.837e+04	-5.100e+04	-4.26e-03	0.0	320.0	-8441.35	10.30	533.27	-512.14	1.197e+05	-1.507e+04
13	4	-2.166e+04	4472.67	-0.01	0.0	0.0	-4247.34	514.98	52.31	-571.77	-235.30	-6.797e+04
		-6.797e+04	-235.30	-7.11e-04	0.0	90.0	-3881.71	514.98	52.31	-571.77	4472.67	-2.166e+04
13	5	-1.306e+04	2783.96	-6.92e-03	0.0	0.0	-2803.81	344.30	32.37	-329.75	-129.47	-4.404e+04
		-4.404e+04	-129.47	-2.82e-04	0.0	90.0	-2522.56	344.30	32.37	-329.75	2783.96	-1.306e+04
13	11	-2.175e+04	4702.50	-0.01	0.0	0.0	-4297.91	515.93	54.75	-559.81	-225.08	-6.815e+04
		-6.815e+04	-225.08	-6.29e-04	0.0	90.0	-3932.29	515.93	54.75	-559.81	4702.50	-2.175e+04
13	31	-1.167e+04	1.017e+04	-0.02	0.0	0.0	-2456.78	341.04	131.82	758.86	-1821.01	-4.237e+04
		-4.237e+04	-1821.01	2.64e-03	0.0	90.0	-2175.53	341.04	131.82	758.86	1.017e+04	-1.167e+04
13	34	-9605.22	1514.55	4.49e-03	0.0	0.0	-3393.60	381.43	-63.71	-1471.42	1514.55	-4.393e+04
		-4.393e+04	-4349.84	-3.34e-03	0.0	90.0	-3112.35	381.43	-63.71	-1471.42	-4349.84	-9605.22
13	35	-1.330e+04	1.011e+04	-0.02	0.0	0.0	-2455.54	345.94	131.33	-271.04	-1831.16	-4.444e+04
		-4.444e+04	-1831.16	2.41e-03	0.0	90.0	-2174.29	345.94	131.33	-271.04	1.011e+04	-1.330e+04
13	38	-7974.85	1524.70	0.01	0.0	0.0	-3394.84	376.52	-63.23	-441.52	1524.70	-4.186e+04
		-4.186e+04	-4289.57	-3.11e-03	0.0	90.0	-3113.59	376.52	-63.23	-441.52	-4289.57	-7974.85
13	48	2.270e+04	3388.46	0.04	0.0	0.0	-3179.43	368.04	39.30	1477.53	-185.96	1.046e+04
		-1.046e+04	-185.96	2.09e-03	0.0	90.0	-2898.18	368.04	39.30	1477.53	3388.46	2.270e+04
13	49	-2.816e+04	2377.02	-0.05	0.0	0.0	-2675.76	368.69	28.72	-2163.12	-170.39	-6.137e+04
		-6.137e+04	-170.39	-2.81e-03	0.0	90.0	-2394.51	368.69	28.72	-2163.12	2377.02	-2.816e+04
13	63	-1.297e+04	7014.52	-0.02	0.0	0.0	-2666.02	355.18	89.02	265.03	-1054.12	-4.492e+04
		-4.492e+04	-1054.12	1.32e-03	0.0	90.0	-2384.77	355.18	89.02	265.03	7014.52	-1.297e+04
13	66	-1.509e+04	764.91	1.85e-03	0.0	0.0	-3184.20	361.53	-20.49	-987.15	764.91	-4.762e+04
		-4.762e+04	-1135.79	-2.04e-03	0.0	90.0	-2902.95	361.53	-20.49	-987.15	-1135.79	-1.509e+04
13	80	-5474.59	2911.40	0.02	0.0	0.0	-3072.97	331.45	33.61	576.27	-129.99	-3.533e+04
		-3.533e+04	-129.99	1.03e-03	0.0	90.0	-2791.72	331.45	33.61	576.27	2911.40	-5474.59
13	81	-2.259e+04	2967.33	-0.04	0.0	0.0	-2777.25	385.26	34.92	-1298.39	-159.22	-5.721e+04
		-5.721e+04	-159.22	-1.76e-03	0.0	90.0	-2496.00	385.26	34.92	-1298.39	2967.33	-2.259e+04
13	83	-2.096e+04	5161.79	-0.04	0.0	0.0	-2659.90	380.24	64.47	-1067.81	-659.21	-5.514e+04
		-5.514e+04	-659.21	-6.70e-04	0.0	90.0	-2378.65	380.24	64.47	-1067.81	5161.79	-2.096e+04
13	86	-7095.53	716.94	0.02	0.0	0.0	-3190.31	336.47	4.06	345.69	369.99	-3.740e+04
		-3.740e+04	-369.99	-5.61e-05	0.0	90.0	-2909.06	336.47	4.06	345.69	716.94	-7095.53
13	87	-1.347e+04	2875.97	-7.04e-03	0.0	0.0	-2860.15	350.24	33.45	-341.29	-134.51	-4.498e+04
		-4.498e+04	-134.51	-3.06e-04	0.0	90.0	-2578.90	350.24	33.45	-341.29	2875.97	-1.347e+04
13	88	-1.403e+04	2939.36	-7.19e-03	0.0	0.0	-2925.11	358.36	34.27	-361.06	-144.61	-4.627e+04
		-4.627e+04	-144.61	-3.63e-04	0.0	90.0	-2643.86	358.36	34.27	-361.06	2939.36	-1.403e+04

13	89	-1.347e+04	2875.97	-7.04e-03	0.0	0.0	-2860.15	350.24	33.45	-341.29	-134.51	-4.498e+04
		-4.498e+04	-134.51	-3.06e-04	0.0	90.0	-2578.90	350.24	33.45	-341.29	2875.97	-1.347e+04
13	92	-1.596e+04	3303.90	-7.72e-03	0.0	0.0	-3175.35	386.06	38.62	-418.99	-171.44	-5.068e+04
		-5.068e+04	-171.44	-4.99e-04	0.0	90.0	-2894.10	386.06	38.62	-418.99	3303.90	-1.596e+04
13	95	-1.602e+04	3457.13	-7.74e-03	0.0	0.0	-3209.07	386.69	40.24	-411.02	-164.62	-5.080e+04
		-5.080e+04	-164.62	-4.44e-04	0.0	90.0	-2927.82	386.69	40.24	-411.02	3457.13	-1.602e+04
13	100	-1.347e+04	2875.97	-7.04e-03	0.0	0.0	-2860.15	350.24	33.45	-341.29	-134.51	-4.498e+04
		-4.498e+04	-134.51	-3.06e-04	0.0	90.0	-2578.90	350.24	33.45	-341.29	2875.97	-1.347e+04
13	101	-1.440e+04	2981.63	-7.29e-03	0.0	0.0	-2968.41	363.77	34.81	-374.24	-151.34	-4.713e+04
		-4.713e+04	-151.34	-4.01e-04	0.0	90.0	-2687.16	363.77	34.81	-374.24	2981.63	-1.440e+04
13	104	-1.428e+04	3026.01	-7.26e-03	0.0	0.0	-2964.58	361.86	35.24	-365.78	-145.92	-4.683e+04
		-4.683e+04	-145.92	-3.64e-04	0.0	90.0	-2683.33	361.86	35.24	-365.78	3026.01	-1.428e+04
13	105	-1.347e+04	2875.97	-7.04e-03	0.0	0.0	-2860.15	350.24	33.45	-341.29	-134.51	-4.498e+04
		-4.498e+04	-134.51	-3.06e-04	0.0	90.0	-2578.90	350.24	33.45	-341.29	2875.97	-1.347e+04
13	106	-1.403e+04	2939.36	-7.19e-03	0.0	0.0	-2925.11	358.36	34.27	-361.06	-144.61	-4.627e+04
		-4.627e+04	-144.61	-3.63e-04	0.0	90.0	-2643.86	358.36	34.27	-361.06	2939.36	-1.403e+04
14	5	-1.493e+04	-26.01	-6.35e-03	0.0	0.0	-2700.64	337.47	-15.33	-281.18	-26.01	-4.541e+04
		-4.541e+04	-1406.09	-4.36e-04	0.0	90.0	-2419.39	337.47	-15.33	-281.18	-1406.09	-1.493e+04
14	9	-2.242e+04	-54.02	-8.95e-03	0.0	0.0	-3918.52	477.55	-25.39	-445.62	-54.02	-6.552e+04
		-6.552e+04	-2339.01	-7.08e-04	0.0	90.0	-3552.89	477.55	-25.39	-445.62	-2339.01	-2.242e+04
14	11	-2.442e+04	-85.93	-9.41e-03	0.0	0.0	-4132.61	503.63	-23.83	-508.30	-85.93	-6.986e+04
		-6.986e+04	-2230.81	-9.96e-04	0.0	90.0	-3766.99	503.63	-23.83	-508.30	-2230.81	-2.442e+04
14	36	-4072.48	6025.16	1.83e-03	0.0	0.0	-2849.31	351.01	85.77	1577.43	-1802.26	-3.580e+04
		-3.580e+04	-1802.26	3.40e-03	0.0	90.0	-2568.06	351.01	85.77	1577.43	6025.16	-4072.48
14	37	-2.085e+04	1740.78	-0.01	0.0	0.0	-2787.09	356.56	-116.65	-2173.88	1740.78	-5.305e+04
		-5.305e+04	-8865.57	-4.47e-03	0.0	90.0	-2505.84	356.56	-116.65	-2173.88	-8865.57	-2.085e+04
14	47	-2.519e+04	105.93	-0.05	0.0	0.0	-2287.79	350.16	-32.54	-3826.01	105.93	-5.687e+04
		-5.687e+04	-2790.03	-2.99e-03	0.0	90.0	-2006.54	350.16	-32.54	-3826.01	-2790.03	-2.519e+04
14	48	1.815e+04	3810.71	0.04	0.0	0.0	-3286.71	367.53	54.26	4040.28	-1133.88	-1.509e+04
		-1.509e+04	-1133.88	3.74e-03	0.0	90.0	-3005.46	367.53	54.26	4040.28	3810.71	1.815e+04
14	49	-2.683e+04	1079.21	-0.05	0.0	0.0	-2362.94	355.28	-84.85	-4585.17	1079.21	-5.896e+04
		-5.896e+04	-6618.15	-4.79e-03	0.0	90.0	-2081.69	355.28	-84.85	-4585.17	-6618.15	-2.683e+04
14	50	1.651e+04	-17.41	0.03	0.0	0.0	-3361.85	372.65	1.95	3281.11	-160.60	-1.719e+04
		-1.719e+04	-160.60	1.94e-03	0.0	90.0	-3080.60	372.65	1.95	3281.11	-17.41	1.651e+04
14	68	-1.305e+04	2605.61	1.07e-03	0.0	0.0	-2845.25	341.40	39.41	854.39	-988.22	-4.390e+04
		-4.390e+04	-988.22	1.74e-03	0.0	90.0	-2564.00	341.40	39.41	854.39	2605.61	-1.305e+04
14	69	-1.883e+04	908.71	-0.01	0.0	0.0	-2785.63	359.72	-69.80	-1477.45	908.71	-5.129e+04
		-5.129e+04	-5420.79	-2.85e-03	0.0	90.0	-2504.38	359.72	-69.80	-1477.45	-5420.79	-1.883e+04
14	79	-2.176e+04	-7.72	-0.03	0.0	0.0	-2500.88	369.93	-21.60	-2710.96	-7.72	-5.513e+04
		-5.513e+04	-1938.50	-2.18e-03	0.0	90.0	-2219.63	369.93	-21.60	-2710.96	-1938.50	-2.176e+04
14	80	-9231.71	1220.16	0.02	0.0	0.0	-3092.14	328.38	19.90	2505.89	-597.96	-3.892e+04
		-3.892e+04	-597.96	2.09e-03	0.0	90.0	-2810.89	328.38	19.90	2505.89	1220.16	-9231.71
14	81	-2.265e+04	518.44	-0.03	0.0	0.0	-2538.74	372.73	-50.29	-3128.95	518.44	-5.626e+04
		-5.626e+04	-4035.34	-3.20e-03	0.0	90.0	-2257.49	372.73	-50.29	-3128.95	-4035.34	-2.265e+04
14	82	-1.012e+04	-71.79	0.02	0.0	0.0	-3130.00	331.19	-8.80	2087.90	-71.79	-4.006e+04
		-4.006e+04	-876.68	1.07e-03	0.0	90.0	-2848.75	331.19	-8.80	2087.90	-876.68	-1.012e+04
14	87	-1.537e+04	-30.64	-6.45e-03	0.0	0.0	-2754.27	343.10	-15.64	-293.62	-30.64	-4.635e+04
		-4.635e+04	-1438.50	-4.75e-04	0.0	90.0	-2473.02	343.10	-15.64	-293.62	-1438.50	-1.537e+04
14	88	-1.594e+04	-39.76	-6.58e-03	0.0	0.0	-2815.44	350.56	-15.20	-311.53	-39.76	-4.759e+04
		-4.759e+04	-1407.59	-5.57e-04	0.0	90.0	-2534.19	350.56	-15.20	-311.53	-1407.59	-1.594e+04
14	89	-1.537e+04	-30.64	-6.45e-03	0.0	0.0	-2754.27	343.10	-15.64	-293.62	-30.64	-4.635e+04
		-4.635e+04	-1438.50	-4.75e-04	0.0	90.0	-2473.02	343.10	-15.64	-293.62	-1438.50	-1.537e+04
14	93	-1.670e+04	-37.01	-6.76e-03	0.0	0.0	-2943.83	360.35	-18.81	-327.93	-37.01	-4.923e+04
		-4.923e+04	-1729.53	-5.10e-04	0.0	90.0	-2662.58	360.35	-18.81	-327.93	-1729.53	-1.670e+04
14	95	-1.804e+04	-58.29	-7.06e-03	0.0	0.0	-3086.56	377.74	-17.77	-369.72	-58.29	-5.213e+04
		-5.213e+04	-1657.40	-7.02e-04	0.0	90.0	-2805.31	377.74	-17.77	-369.72	-1657.40	-1.804e+04
14	100	-1.537e+04	-30.64	-6.45e-03	0.0	0.0	-2754.27	343.10	-15.64	-293.62	-30.64	-4.635e+04
		-4.635e+04	-1438.50	-4.75e-04	0.0	90.0	-2473.02	343.10	-15.64	-293.62	-1438.50	-1.537e+04
14	101	-1.632e+04	-45.84	-6.66e-03	0.0	0.0	-2856.22	355.53	-14.90	-323.47	-45.84	-4.842e+04
		-4.842e+04	-1386.98	-6.12e-04	0.0	90.0	-2574.97	355.53	-14.90	-323.47	-1386.98	-1.632e+04
14	102	-1.563e+04	-31.91	-6.51e-03	0.0	0.0	-2792.18	346.55	-16.28	-300.48	-31.91	-4.693e+04
		-4.693e+04	-1496.71	-4.82e-04	0.0	90.0	-2510.93	346.55	-16.28	-300.48	-1496.71	-1.563e+04
14	105	-1.537e+04	-30.64	-6.45e-03	0.0	0.0	-2754.27	343.10	-15.64	-293.62	-30.64	-4.635e+04
		-4.635e+04	-1438.50	-4.75e-04	0.0	90.0	-2473.02	343.10	-15.64	-293.62	-1438.50	-1.537e+04
14	106	-1.594e+04	-39.76	-6.58e-03	0.0	0.0	-2815.44	350.56	-15.20	-311.53	-39.76	-4.759e+04
		-4.759e+04	-1407.59	-5.57e-04	0.0	90.0	-2534.19	350.56	-15.20	-311.53	-1407.59	-1.594e+04
19	4	6.043e+04	4046.57	2.38e-03	0.0	0.0	-4183.14	-474.08	46.78	-1122.96	-163.83	6.043e+04
		1.785e+04	-163.83	6.59e-04	0.0	90.0	-3817.51	-474.08	46.78	-1122.96	4046.57	1.785e+04
19	5	3.908e+04	2488.64	1.68e-03	0.0	0.0	-2763.47	-317.59	28.62	-777.64	-86.77	3.908e+04
		1.053e+04	-86.77	5.98e-04	0.0	90.0	-2482.22	-317.59	28.62	-777.64	2488.64	1.053e+04
19	11	6.057e+04	4274.24	2.37e-03	0.0	0.0	-4233.18	-474.81	49.22	-1142.14	-155.38	6.057e+04
		1.792e+04	-155.38	7.47e-04	0.0	90.0	-3867.56	-474.81	49.22	-1142.14	4274.24	1.792e+04
19	35	2.664e+04	9235.15	-0.02	0.0	0.0	-2712.00	-316.28	121.14	-2020.63	-1816.32	2.664e+04
		-1809.38	-1809.38	3.62e-03	0.0	90.0	-2430.75	-316.28	121.14	-2020.63	9235.15	-1809.38
19	38	4.932e+04	1593.59	0.02	0.0	0.0	-3039.44	-350.25	-61.60	400.35	1593.59	4.932e+04
		1.785e+04	-4098.78	-2.43e-03	0.0	90.0	-2758.19	-350.25	-61.60	400.35	-4098.78	1.785e+04
19	48	4.903e+04	3719.38	0.05	0.0	0.0	-2257.23	-339.15	45.16	1109.60	-353.87	4.903e+04
		1.854e+04	-353.87	1.48e-03	0.0	90.0	-1975.98	-339.15	45.16	1109.60	3719.38	1.854e+04
19	49	1.257e+04	1408.22	-0.04	0.0	0.0	-3510.93	-341.92	14.75	-2737.57	89.72	1.257e+04
		-1.825e+04	89.72	-3.51e-04	0.0	90.0	-3229.68	-341.92	14.75	-2737.57	1408.22	-1.825e+04

19	51	9371.52	5229.66	-0.04	0.0	0.0	-3317.01	-332.22	66.99	-3158.96	-869.42	9371.52
		-2.058e+04	-869.42	1.41e-03	0.0	90.0	-3035.76	-332.22	66.99	-3158.96	5229.66	-2.058e+04
19	54	5.223e+04	605.27	0.05	0.0	0.0	-2451.15	-348.85	-7.09	1530.99	605.27	5.223e+04
		2.087e+04	-102.06	-2.89e-04	0.0	90.0	-2169.90	-348.85	-7.09	1530.99	-102.06	2.087e+04
19	63	3.668e+04	5990.78	-6.25e-03	0.0	0.0	-2779.73	-316.33	81.08	-778.31	-1054.65	3.668e+04
		8243.38	-1054.65	2.28e-03	0.0	90.0	-2498.48	-316.33	81.08	-778.31	5990.78	8243.38
19	64	3.955e+04	6309.29	4.70e-03	0.0	0.0	-2623.78	-326.75	76.12	-1438.73	-915.11	3.955e+04
		1.019e+04	-915.11	2.29e-03	0.0	90.0	-2342.53	-326.75	76.12	-1438.73	6309.29	1.019e+04
19	80	4.778e+04	3568.59	0.03	0.0	0.0	-2516.60	-354.55	42.28	234.96	-237.71	4.778e+04
		1.596e+04	-237.71	1.15e-03	0.0	90.0	-2235.35	-354.55	42.28	234.96	3568.59	1.596e+04
19	81	3.439e+04	1702.22	-0.03	0.0	0.0	-3248.11	-306.21	18.47	-1833.32	40.97	3.439e+04
		6836.06	40.97	-2.88e-05	0.0	90.0	-2966.86	-306.21	18.47	-1833.32	1702.22	6836.06
19	83	3.263e+04	3785.56	-0.03	0.0	0.0	-3139.70	-300.82	47.04	-2067.09	-480.71	3.263e+04
		5557.00	-480.71	9.75e-04	0.0	90.0	-2858.45	-300.82	47.04	-2067.09	3785.56	5557.00
19	86	4.954e+04	1485.25	0.03	0.0	0.0	-2625.01	-359.94	13.71	468.73	283.97	4.954e+04
		1.724e+04	283.97	1.53e-04	0.0	90.0	-2343.76	-359.94	13.71	468.73	1485.25	1.724e+04
19	87	3.993e+04	2576.81	1.69e-03	0.0	0.0	-2818.75	-322.98	29.64	-788.87	-90.57	3.993e+04
		1.090e+04	-90.57	5.95e-04	0.0	90.0	-2537.50	-322.98	29.64	-788.87	2576.81	1.090e+04
19	88	4.109e+04	2635.41	1.72e-03	0.0	0.0	-2882.35	-330.38	30.38	-799.18	-98.37	4.109e+04
		1.140e+04	-98.37	5.64e-04	0.0	90.0	-2601.10	-330.38	30.38	-799.18	2635.41	1.140e+04
19	89	3.993e+04	2576.81	1.69e-03	0.0	0.0	-2818.75	-322.98	29.64	-788.87	-90.57	3.993e+04
		1.090e+04	-90.57	5.95e-04	0.0	90.0	-2537.50	-322.98	29.64	-788.87	2576.81	1.090e+04
19	92	4.504e+04	2982.51	1.80e-03	0.0	0.0	-3127.74	-355.53	34.46	-846.33	-118.77	4.504e+04
		1.311e+04	-118.77	5.21e-04	0.0	90.0	-2846.49	-355.53	34.46	-846.33	2982.51	1.311e+04
19	95	4.514e+04	3134.29	1.80e-03	0.0	0.0	-3161.10	-356.01	36.08	-859.12	-113.13	4.514e+04
		1.316e+04	-113.13	5.79e-04	0.0	90.0	-2879.85	-356.01	36.08	-859.12	3134.29	1.316e+04
19	100	3.993e+04	2576.81	1.69e-03	0.0	0.0	-2818.75	-322.98	29.64	-788.87	-90.57	3.993e+04
		1.090e+04	-90.57	5.95e-04	0.0	90.0	-2537.50	-322.98	29.64	-788.87	2576.81	1.090e+04
19	101	4.186e+04	2674.47	1.74e-03	0.0	0.0	-2924.76	-335.31	30.87	-806.05	-103.58	4.186e+04
		1.173e+04	-103.58	5.44e-04	0.0	90.0	-2643.51	-335.31	30.87	-806.05	2674.47	1.173e+04
19	104	4.159e+04	2719.56	1.73e-03	0.0	0.0	-2921.14	-333.53	31.32	-808.42	-99.24	4.159e+04
		1.162e+04	-99.24	5.75e-04	0.0	90.0	-2639.89	-333.53	31.32	-808.42	2719.56	1.162e+04
19	105	3.993e+04	2576.81	1.69e-03	0.0	0.0	-2818.75	-322.98	29.64	-788.87	-90.57	3.993e+04
		1.090e+04	-90.57	5.95e-04	0.0	90.0	-2537.50	-322.98	29.64	-788.87	2576.81	1.090e+04
19	106	4.109e+04	2635.41	1.72e-03	0.0	0.0	-2882.35	-330.38	30.38	-799.18	-98.37	4.109e+04
		1.140e+04	-98.37	5.64e-04	0.0	90.0	-2601.10	-330.38	30.38	-799.18	2635.41	1.140e+04
20	1	5.731e+04	95.87	3.00e-03	0.0	0.0	-3625.28	-431.72	-28.70	-822.42	95.87	5.731e+04
		1.834e+04	-2486.71	4.05e-04	0.0	90.0	-3259.65	-431.72	-28.70	-822.42	-2486.71	1.834e+04
20	5	4.253e+04	78.29	2.26e-03	0.0	0.0	-2694.40	-322.66	-21.31	-623.16	78.29	4.253e+04
		1.339e+04	-1839.76	3.50e-04	0.0	90.0	-2413.15	-322.66	-21.31	-623.16	-1839.76	1.339e+04
20	9	6.136e+04	95.83	3.12e-03	0.0	0.0	-3907.78	-456.14	-34.00	-854.54	95.83	6.136e+04
		2.021e+04	-2964.43	4.31e-04	0.0	90.0	-3542.15	-456.14	-34.00	-854.54	-2964.43	2.021e+04
20	11	6.545e+04	73.41	3.24e-03	0.0	0.0	-4120.52	-480.87	-33.01	-872.55	73.41	6.545e+04
		2.207e+04	-2897.23	2.21e-04	0.0	90.0	-3754.90	-480.87	-33.01	-872.55	-2897.23	2.207e+04
20	32	4.351e+04	5192.90	5.47e-03	0.0	0.0	-2555.47	-326.90	73.96	-679.12	-1330.85	4.351e+04
		1.397e+04	-1330.85	2.93e-03	0.0	90.0	-2274.22	-326.90	73.96	-679.12	5192.90	1.397e+04
20	33	3.935e+04	1463.36	-1.48e-03	0.0	0.0	-3055.85	-350.00	-117.69	-616.80	1463.36	3.935e+04
		7754.12	-8995.58	-2.34e-03	0.0	90.0	-2774.60	-350.00	-117.69	-616.80	-8995.58	7754.12
20	47	1.440e+04	209.29	-0.04	0.0	0.0	-3386.64	-354.56	16.02	-3846.70	-1131.83	1.440e+04
		-1.768e+04	-1131.83	3.12e-03	0.0	90.0	-3105.39	-354.56	16.02	-3846.70	209.29	-1.768e+04
20	50	5.369e+04	1286.96	0.04	0.0	0.0	-2246.11	-337.45	-59.23	2507.49	1286.96	5.369e+04
		2.320e+04	-3942.87	-2.53e-03	0.0	90.0	-1964.86	-337.45	-59.23	2507.49	-3942.87	2.320e+04
20	64	4.469e+04	2080.80	5.37e-03	0.0	0.0	-2666.57	-336.24	31.79	-533.16	-690.11	4.469e+04
		1.434e+04	-690.11	1.71e-03	0.0	90.0	-2385.32	-336.24	31.79	-533.16	2080.80	1.434e+04
20	65	4.446e+04	828.74	-1.77e-03	0.0	0.0	-2950.37	-333.88	-74.70	-734.15	828.74	4.446e+04
		1.432e+04	-5804.54	-1.17e-03	0.0	90.0	-2669.12	-333.88	-74.70	-734.15	-5804.54	1.432e+04
20	79	3.731e+04	-596.20	-0.02	0.0	0.0	-3139.19	-315.07	-3.36	-2780.47	-596.20	3.731e+04
		8828.24	-953.92	2.02e-03	0.0	90.0	-2857.94	-315.07	-3.36	-2780.47	-953.92	8828.24
20	82	5.184e+04	734.83	0.03	0.0	0.0	-2477.75	-355.05	-39.56	1513.16	734.83	5.184e+04
		1.983e+04	-2769.82	-1.48e-03	0.0	90.0	-2196.50	-355.05	-39.56	1513.16	-2769.82	1.983e+04
20	87	4.341e+04	75.72	2.29e-03	0.0	0.0	-2747.68	-327.99	-21.74	-628.51	75.72	4.341e+04
		1.380e+04	-1881.07	3.28e-04	0.0	90.0	-2466.43	-327.99	-21.74	-628.51	-1881.07	1.380e+04
20	88	4.458e+04	69.32	2.32e-03	0.0	0.0	-2808.47	-335.06	-21.46	-633.66	69.32	4.458e+04
		1.433e+04	-1861.87	2.68e-04	0.0	90.0	-2527.22	-335.06	-21.46	-633.66	-1861.87	1.433e+04
20	89	4.341e+04	75.72	2.29e-03	0.0	0.0	-2747.68	-327.99	-21.74	-628.51	75.72	4.341e+04
		1.380e+04	-1881.07	3.28e-04	0.0	90.0	-2466.43	-327.99	-21.74	-628.51	-1881.07	1.380e+04
20	93	4.611e+04	75.69	2.36e-03	0.0	0.0	-2936.02	-344.27	-25.28	-649.93	75.69	4.611e+04
		1.504e+04	-2199.55	3.45e-04	0.0	90.0	-2654.77	-344.27	-25.28	-649.93	-2199.55	1.504e+04
20	95	4.883e+04	60.75	2.45e-03	0.0	0.0	-3077.85	-360.76	-24.62	-661.94	60.75	4.883e+04
		1.628e+04	-2154.75	2.05e-04	0.0	90.0	-2796.60	-360.76	-24.62	-661.94	-2154.75	1.628e+04
20	100	4.341e+04	75.72	2.29e-03	0.0	0.0	-2747.68	-327.99	-21.74	-628.51	75.72	4.341e+04
		1.380e+04	-1881.07	3.28e-04	0.0	90.0	-2466.43	-327.99	-21.74	-628.51	-1881.07	1.380e+04
20	101	4.535e+04	65.05	2.34e-03	0.0	0.0	-2848.99	-339.77	-21.27	-637.09	65.05	4.535e+04
		1.469e+04	-1849.07	2.28e-04	0.0	90.0	-2567.74	-339.77	-21.27	-637.09	-1849.07	1.469e+04
20	102	4.395e+04	75.72	2.30e-03	0.0	0.0	-2785.35	-331.25	-22.45	-632.79	75.72	4.395e+04
		1.405e+04	-1944.77	3.32e-04	0.0	90.0	-2504.10	-331.25	-22.45	-632.79	-1944.77	1.405e+04
20	105	4.341e+04	75.72	2.29e-03	0.0	0.0	-2747.68	-327.99	-21.74	-628.51	75.72	4.341e+04
		1.380e+04	-1881.07	3.28e-04	0.0	90.0	-2466.43	-327.99	-21.74	-628.51	-1881.07	1.380e+04
20	106	4.458e+04	69.32	2.32e-03	0.0	0.0	-2808.47	-335.06	-21.46	-633.66	69.32	4.458e+04
		1.433e+04	-1861.87	2.68e-04	0.0	90.0	-2527.22	-335.06	-21.46	-633.66	-1861.87	1.433e+04

23	5	2.892e+04	-1453.57	-0.01	0.0	0.0	-7800.24	-111.19	7.80	-258.29	-4651.75	2.892e+04
		-1.667e+04	-4651.75	1.70e-03	0.0	410.0	-6775.24	-111.19	7.80	-258.29	-1453.57	-1.667e+04
23	9	4.736e+04	1835.46	-0.02	0.0	0.0	-1.229e+04	-172.72	30.10	-370.24	-1.050e+04	4.736e+04
		-2.346e+04	-1.050e+04	2.26e-03	0.0	410.0	-1.096e+04	-172.72	30.10	-370.24	1835.46	-2.346e+04
23	11	4.741e+04	-2110.13	-0.02	0.0	0.0	-1.236e+04	-173.05	13.71	-390.66	-7729.50	4.741e+04
		-2.354e+04	-7729.50	1.96e-03	0.0	410.0	-1.103e+04	-173.05	13.71	-390.66	-2110.13	-2.354e+04
23	12	3.681e+04	2399.69	-0.02	0.0	0.0	-9528.50	-133.92	27.43	-281.83	-8848.41	3.681e+04
		-1.810e+04	-8848.41	1.81e-03	0.0	410.0	-8503.50	-133.92	27.43	-281.83	2399.69	-1.810e+04
23	18	4.654e+04	-3272.96	-0.02	0.0	0.0	-1.176e+04	-180.54	7.89	-385.24	-6507.31	4.654e+04
		-2.748e+04	-6507.31	1.86e-03	0.0	410.0	-1.043e+04	-180.54	7.89	-385.24	-3272.96	-2.748e+04
23	35	1.863e+04	2.877e+05	-0.06	0.0	0.0	-9090.27	-90.06	-1464.55	-998.38	2.877e+05	1.863e+04
		-1.936e+04	-3.128e+05	0.23	0.0	410.0	-8065.27	-90.06	-1464.55	-998.38	-3.128e+05	-1.936e+04
23	38	4.081e+04	3.073e+05	0.05	0.0	0.0	-6918.97	-137.01	1469.79	448.30	-2.953e+05	4.081e+04
		-1.430e+04	-2.953e+05	-0.23	0.0	410.0	-5893.97	-137.01	1469.79	448.30	3.073e+05	-1.430e+04
23	44	8.411e+04	1.688e+04	0.23	0.0	0.0	-6977.69	-236.13	-92.21	-9012.28	1.688e+04	8.411e+04
		-1.274e+04	-1.981e+04	0.15	0.0	410.0	-5952.69	-236.13	-92.21	-9012.28	-1.981e+04	-1.274e+04
23	45	-2.088e+04	1.529e+04	-0.24	0.0	0.0	-9021.42	9.16	101.86	8474.38	-2.536e+04	-2.088e+04
		-2.467e+04	-2.536e+04	-0.15	0.0	410.0	-7996.42	9.16	101.86	8474.38	1.529e+04	-2.467e+04
23	47	-2.018e+04	1.466e+05	-0.23	0.0	0.0	-9750.73	0.26	-794.28	2517.48	1.466e+05	-2.018e+04
		-2.184e+04	-1.791e+05	0.07	0.0	410.0	-8725.73	0.26	-794.28	2517.48	-1.791e+05	-2.184e+04
23	50	8.128e+04	1.746e+05	0.23	0.0	0.0	-6248.38	-227.23	803.93	-3055.38	1.550e+05	8.128e+04
		-1.343e+04	-1.550e+05	-0.07	0.0	410.0	-5223.38	-227.23	803.93	-3055.38	1.746e+05	-1.343e+04
23	67	2.294e+04	1.581e+05	-0.04	0.0	0.0	-8603.66	-98.51	-813.28	-718.65	1.581e+05	2.294e+04
		-1.806e+04	-1.753e+05	0.13	0.0	410.0	-7578.66	-98.51	-813.28	-718.65	-1.753e+05	-1.806e+04
23	70	3.656e+04	1.701e+05	0.03	0.0	0.0	-7407.53	-128.81	819.79	180.91	-1.660e+05	3.656e+04
		-1.563e+04	-1.660e+05	-0.13	0.0	410.0	-6382.53	-128.81	819.79	180.91	1.701e+05	-1.563e+04
23	71	-1.959.89	7.750e+04	-0.14	0.0	0.0	-8841.00	-43.94	-409.98	4535.97	7.750e+04	-1.959.89
		-1.929e+04	-9.121e+04	4.75e-03	0.0	410.0	-7816.00	-43.94	-409.98	4535.97	-9.121e+04	-1.929e+04
23	76	6.161e+04	2248.64	0.13	0.0	0.0	-7366.99	-186.65	-20.44	-4921.55	2248.64	6.161e+04
		-1.495e+04	-5515.88	0.08	0.0	410.0	-6341.99	-186.65	-20.44	-4921.55	-5515.88	-1.495e+04
23	79	-562.70	8.444e+04	-0.14	0.0	0.0	-9031.58	-45.24	-466.30	1102.37	8.444e+04	-562.70
		-1.832e+04	-1.068e+05	0.04	0.0	410.0	-8006.58	-45.24	-466.30	1102.37	-1.068e+05	-1.832e+04
23	82	6.007e+04	1.015e+05	0.13	0.0	0.0	-6979.61	-182.08	472.82	-1640.12	-9.238e+04	6.007e+04
		-1.537e+04	-9.238e+04	-0.04	0.0	410.0	-5954.61	-182.08	472.82	-1640.12	1.015e+05	-1.537e+04
23	87	2.974e+04	-1509.29	-0.01	0.0	0.0	-7985.52	-113.56	7.94	-263.04	-4765.03	2.974e+04
		-1.682e+04	-4765.03	1.67e-03	0.0	410.0	-6960.52	-113.56	7.94	-263.04	-1509.29	-1.682e+04
23	88	2.975e+04	-2636.60	-0.01	0.0	0.0	-8005.59	-113.66	3.26	-268.87	-3972.18	2.975e+04
		-1.685e+04	-3972.18	1.59e-03	0.0	410.0	-6980.59	-113.66	3.26	-268.87	-2636.60	-1.685e+04
23	89	2.974e+04	-1509.29	-0.01	0.0	0.0	-7985.52	-113.56	7.94	-263.04	-4765.03	2.974e+04
		-1.682e+04	-4765.03	1.67e-03	0.0	410.0	-6960.52	-113.56	7.94	-263.04	-1509.29	-1.682e+04
23	93	3.499e+04	1059.55	-0.01	0.0	0.0	-9137.70	-128.71	21.03	-278.73	-7562.81	3.499e+04
		-1.778e+04	-7562.81	1.73e-03	0.0	410.0	-8112.70	-128.71	21.03	-278.73	1059.55	-1.778e+04
23	95	3.503e+04	-1570.85	-0.01	0.0	0.0	-9184.53	-128.93	10.10	-292.35	-5712.82	3.503e+04
		-1.783e+04	-5712.82	1.53e-03	0.0	410.0	-8159.53	-128.93	10.10	-292.35	-1570.85	-1.783e+04
23	99	3.445e+04	-2346.06	-0.01	0.0	0.0	-8783.33	-133.92	6.22	-288.73	-4898.02	3.445e+04
		-2.046e+04	-4898.02	1.46e-03	0.0	410.0	-7758.33	-133.92	6.22	-288.73	-2346.06	-2.046e+04
23	100	2.974e+04	-1509.29	-0.01	0.0	0.0	-7985.52	-113.56	7.94	-263.04	-4765.03	2.974e+04
		-1.682e+04	-4765.03	1.67e-03	0.0	410.0	-6960.52	-113.56	7.94	-263.04	-1509.29	-1.682e+04
23	102	3.079e+04	-995.53	-0.01	0.0	0.0	-8215.96	-116.59	10.56	-266.18	-5324.59	3.079e+04
		-1.701e+04	-5324.59	1.68e-03	0.0	410.0	-7190.96	-116.59	10.56	-266.18	-995.53	-1.701e+04
23	104	3.080e+04	-2122.84	-0.01	0.0	0.0	-8236.03	-116.69	5.88	-272.01	-4531.73	3.080e+04
		-1.704e+04	-4531.73	1.59e-03	0.0	410.0	-7211.03	-116.69	5.88	-272.01	-2122.84	-1.704e+04
23	105	2.974e+04	-1509.29	-0.01	0.0	0.0	-7985.52	-113.56	7.94	-263.04	-4765.03	2.974e+04
		-1.682e+04	-4765.03	1.67e-03	0.0	410.0	-6960.52	-113.56	7.94	-263.04	-1509.29	-1.682e+04
23	106	2.975e+04	-2636.60	-0.01	0.0	0.0	-8005.59	-113.66	3.26	-268.87	-3972.18	2.975e+04
		-1.685e+04	-3972.18	1.59e-03	0.0	410.0	-6980.59	-113.66	3.26	-268.87	-2636.60	-1.685e+04
24	5	3.750e+04	1.447e+04	-0.01	0.0	0.0	-9166.90	-136.42	-161.84	-245.50	1.447e+04	3.750e+04
		-1.844e+04	-5.188e+04	9.91e-03	0.0	410.0	-8141.90	-136.42	-161.84	-245.50	-5.188e+04	-1.844e+04
24	9	6.111e+04	2.292e+04	-0.03	0.0	0.0	-1.457e+04	-209.58	-260.09	-349.32	2.292e+04	6.111e+04
		-2.482e+04	-8.371e+04	0.02	0.0	410.0	-1.324e+04	-209.58	-260.09	-349.32	-8.371e+04	-2.482e+04
24	11	6.112e+04	2.179e+04	-0.03	0.0	0.0	-1.458e+04	-209.61	-254.25	-369.78	2.179e+04	6.112e+04
		-2.482e+04	-8.245e+04	0.01	0.0	410.0	-1.324e+04	-209.61	-254.25	-369.78	-8.245e+04	-2.482e+04
24	16	6.021e+04	2.142e+04	-0.02	0.0	0.0	-1.382e+04	-221.80	-243.73	-344.39	2.142e+04	6.021e+04
		-3.073e+04	-7.851e+04	0.01	0.0	410.0	-1.249e+04	-221.80	-243.73	-344.39	-7.851e+04	-3.073e+04
24	23	-3629.74	2.433e+05	-0.15	0.0	0.0	-9099.97	-31.71	-1289.43	4640.63	2.433e+05	-3629.74
		-1.642e+04	-2.854e+05	0.21	0.0	410.0	-8074.97	-31.71	-1289.43	4640.63	-2.854e+05	-1.642e+04
24	26	8.070e+04	1.794e+05	0.15	0.0	0.0	-9674.98	-246.53	959.82	-5165.95	-2.141e+05	8.070e+04
		-2.059e+04	-2.141e+05	-0.21	0.0	410.0	-8649.98	-246.53	959.82	-5165.95	1.794e+05	-2.059e+04
24	32	7.712e+04	2.921e+05	0.14	0.0	0.0	-9217.02	-237.67	-1522.45	-4139.17	2.921e+05	7.712e+04
		-1.906e+04	-3.321e+05	0.26	0.0	410.0	-8192.02	-237.67	-1522.45	-4139.17	-3.321e+05	-1.906e+04
24	39	-1.398e+04	2.002e+04	-0.37	0.0	0.0	-9140.86	116.92	-202.67	8690.70	2.002e+04	-1.398e+04
		-6.199e+04	-6.304e+04	-7.82e-03	0.0	410.0	-8115.86	116.92	-202.67	8690.70	-6.304e+04	-6.199e+04
24	42	1.390e+05	8926.68	0.37	0.0	0.0	-9634.23	-395.09	-125.77	-9197.98	8926.68	1.390e+05
		-2.303e+04	-4.267e+04	0.01	0.0	410.0	-8609.23	-395.09	-125.77	-9197.98	-4.267e+04	-2.303e+04
24	55	1.495e+04	1.408e+05	-0.09	0.0	0.0	-9234.53	-78.98	-785.72	2350.43	1.408e+05	1.495e+04
		-1.733e+04	-1.813e+05	0.11	0.0	410.0	-8209.53	-78.98	-785.72	2350.43	-1.813e+05	-1.733e+04
24	58	6.211e+04	7.579e+04	0.09	0.0	0.0	-9540.71	-199.23	458.20	-2861.91	-1.121e+05	6.211e+04
		-1.968e+04	-1.121e+05	-0.11	0.0	410.0	-8515.71	-199.23	458.20	-2861.91	7.579e+04	-1.968e+04
24	64	6.015e+04	1.666e+05	0.08	0.0	0.0	-9298.80	-194.39	-908.27	-2306.06	1.666e+05	6.015e+04
		-1.886e+04	-2.058e+05	0.14	0.0	410.0	-8273.80	-194.39	-908.27	-2306.06	-2.058e+05	-1.886e+04

24	74	9.513e+04	9446.30	0.21	0.0	0.0	-9524.29	-283.49	-133.07	-4886.21	9446.30	9.513e+04
		-2.114e+04	-4.513e+04	0.01	0.0	410.0	-8499.29	-283.49	-133.07	-4886.21	-4.513e+04	-2.114e+04
24	87	3.852e+04	1.471e+04	-0.01	0.0	0.0	-9387.50	-139.10	-165.43	-249.90	1.471e+04	3.852e+04
		-1.851e+04	-5.312e+04	0.01	0.0	410.0	-8362.50	-139.10	-165.43	-249.90	-5.312e+04	-1.851e+04
24	88	3.853e+04	1.439e+04	-0.01	0.0	0.0	-9387.62	-139.11	-163.76	-255.74	1.439e+04	3.853e+04
		-1.851e+04	-5.276e+04	9.83e-03	0.0	410.0	-8362.62	-139.11	-163.76	-255.74	-5.276e+04	-1.851e+04
24	89	3.852e+04	1.471e+04	-0.01	0.0	0.0	-9387.50	-139.10	-165.43	-249.90	1.471e+04	3.852e+04
		-1.851e+04	-5.312e+04	0.01	0.0	410.0	-8362.50	-139.10	-165.43	-249.90	-5.312e+04	-1.851e+04
24	93	4.519e+04	1.709e+04	-0.02	0.0	0.0	-1.082e+04	-156.48	-193.06	-263.27	1.709e+04	4.519e+04
		-1.897e+04	-6.207e+04	0.01	0.0	410.0	-9796.12	-156.48	-193.06	-263.27	-6.207e+04	-1.897e+04
24	95	4.520e+04	1.633e+04	-0.02	0.0	0.0	-1.082e+04	-156.50	-189.17	-276.91	1.633e+04	4.520e+04
		-1.897e+04	-6.123e+04	0.01	0.0	410.0	-9796.39	-156.50	-189.17	-276.91	-6.123e+04	-1.897e+04
24	97	4.459e+04	1.608e+04	-0.02	0.0	0.0	-1.032e+04	-164.63	-182.15	-259.99	1.608e+04	4.459e+04
		-2.291e+04	-5.860e+04	0.01	0.0	410.0	-9294.69	-164.63	-182.15	-259.99	-5.860e+04	-2.291e+04
24	100	3.852e+04	1.471e+04	-0.01	0.0	0.0	-9387.50	-139.10	-165.43	-249.90	1.471e+04	3.852e+04
		-1.851e+04	-5.312e+04	0.01	0.0	410.0	-8362.50	-139.10	-165.43	-249.90	-5.312e+04	-1.851e+04
24	102	3.986e+04	1.518e+04	-0.02	0.0	0.0	-9674.23	-142.58	-170.95	-252.57	1.518e+04	3.986e+04
		-1.860e+04	-5.491e+04	0.01	0.0	410.0	-8649.23	-142.58	-170.95	-252.57	-5.491e+04	-1.860e+04
24	104	3.986e+04	1.486e+04	-0.02	0.0	0.0	-9674.34	-142.58	-169.29	-258.42	1.486e+04	3.986e+04
		-1.860e+04	-5.455e+04	0.01	0.0	410.0	-8649.34	-142.58	-169.29	-258.42	-5.455e+04	-1.860e+04
24	105	3.852e+04	1.471e+04	-0.01	0.0	0.0	-9387.50	-139.10	-165.43	-249.90	1.471e+04	3.852e+04
		-1.851e+04	-5.312e+04	0.01	0.0	410.0	-8362.50	-139.10	-165.43	-249.90	-5.312e+04	-1.851e+04
24	106	3.853e+04	1.439e+04	-0.01	0.0	0.0	-9387.62	-139.11	-163.76	-255.74	1.439e+04	3.853e+04
		-1.851e+04	-5.276e+04	9.83e-03	0.0	410.0	-8362.62	-139.11	-163.76	-255.74	-5.276e+04	-1.851e+04
25	5	9184.66	4991.05	-0.01	0.0	0.0	-3207.60	258.83	24.52	1295.86	2783.95	-1.363e+04
		-1.363e+04	2783.95	-1.40e-04	0.0	90.0	-2926.35	258.83	24.52	1295.86	4991.05	9184.66
25	11	1.557e+04	8484.56	-0.02	0.0	0.0	-5000.26	432.08	42.02	1827.33	4702.48	-2.258e+04
		-2.258e+04	4702.48	-3.83e-04	0.0	90.0	-4634.63	432.08	42.02	1827.33	8484.56	1.557e+04
25	35	1.031e+04	2.239e+04	-0.03	0.0	0.0	-2605.11	256.44	136.94	3273.20	1.011e+04	-1.450e+04
		-1.450e+04	1.011e+04	3.29e-03	0.0	90.0	-2323.86	256.44	136.94	3273.20	2.239e+04	1.031e+04
25	38	7956.65	-4289.66	6.69e-03	0.0	0.0	-4071.05	206.71	-84.36	-661.63	-4289.66	-7966.80
		-7966.80	-1.183e+04	-3.68e-03	0.0	90.0	-3789.80	206.71	-84.36	-661.63	-1.183e+04	7956.65
25	48	1.310e+04	5435.15	0.04	0.0	0.0	-3941.25	-6.92	21.63	404.20	3388.51	1.310e+04
		5393.00	3388.51	2.28e-03	0.0	90.0	-3660.00	-6.92	21.63	404.20	5435.15	5393.00
25	49	9381.58	5224.16	-0.06	0.0	0.0	-2745.67	254.69	32.75	2147.44	2376.95	-1.980e+04
		-1.980e+04	2376.95	-2.71e-03	0.0	90.0	-2464.42	254.69	32.75	2147.44	5224.16	9381.58
25	51	9730.88	1.454e+04	-0.06	0.0	0.0	-2446.45	246.37	91.99	3138.35	6377.31	-1.878e+04
		-1.878e+04	6377.31	-3.95e-04	0.0	90.0	-2165.20	246.37	91.99	3138.35	1.454e+04	9730.88
25	54	1.208e+04	-611.86	0.04	0.0	0.0	-4240.46	1.41	-37.62	-586.71	-611.86	1.208e+04
		5043.70	-3881.19	-4.13e-05	0.0	90.0	-3959.21	1.41	-37.62	-586.71	-3881.19	5043.70
25	67	1.076e+04	1.479e+04	-0.03	0.0	0.0	-2920.60	276.49	87.02	2403.33	6981.68	-1.481e+04
		-1.481e+04	6981.68	1.74e-03	0.0	90.0	-2639.35	276.49	87.02	2403.33	1.479e+04	1.076e+04
25	70	9050.32	-1102.97	-2.15e-03	0.0	0.0	-3753.71	279.60	-34.05	222.04	-1102.97	-1.442e+04
		-1.442e+04	-4142.39	-2.16e-03	0.0	90.0	-3472.46	279.60	-34.05	222.04	-4142.39	9050.32
25	79	1.199e+04	1.060e+04	-0.04	0.0	0.0	-2794.21	294.77	61.53	2398.75	5130.61	-1.768e+04
		-1.768e+04	5130.61	-3.17e-04	0.0	90.0	-2512.96	294.77	61.53	2398.75	1.060e+04	1.199e+04
25	81	1.178e+04	5584.04	-0.05	0.0	0.0	-2954.20	299.69	29.65	1819.26	2967.29	-1.831e+04
		-1.831e+04	2967.29	-1.61e-03	0.0	90.0	-2672.95	299.69	29.65	1819.26	5584.04	1.178e+04
25	83	1.197e+04	1.068e+04	-0.05	0.0	0.0	-2790.90	295.03	62.03	2364.53	5161.78	-1.775e+04
		-1.775e+04	5161.78	-3.12e-04	0.0	90.0	-2509.65	295.03	62.03	2364.53	1.068e+04	1.197e+04
25	86	7843.70	716.93	0.02	0.0	0.0	-3883.41	261.05	-9.06	260.84	716.93	-1.148e+04
		-1.148e+04	-38.37	-1.13e-04	0.0	90.0	-3602.16	261.05	-9.06	260.84	-38.37	7843.70
25	87	9499.42	5162.06	-0.01	0.0	0.0	-3278.46	267.13	25.40	1307.86	2875.96	-1.405e+04
		-1.405e+04	2875.96	-1.57e-04	0.0	90.0	-2997.21	267.13	25.40	1307.86	5162.06	9499.42
25	88	9904.52	5323.13	-0.01	0.0	0.0	-3337.15	278.04	26.49	1312.69	2939.35	-1.462e+04
		-1.462e+04	2939.35	-2.09e-04	0.0	90.0	-3055.90	278.04	26.49	1312.69	5323.13	9904.52
25	89	9499.42	5162.06	-0.01	0.0	0.0	-3278.46	267.13	25.40	1307.86	2875.96	-1.405e+04
		-1.405e+04	2875.96	-1.57e-04	0.0	90.0	-2997.21	267.13	25.40	1307.86	5162.06	9499.42
25	95	1.144e+04	6230.64	-0.02	0.0	0.0	-3723.39	318.14	30.82	1384.60	3457.11	-1.665e+04
		-1.665e+04	3457.11	-2.63e-04	0.0	90.0	-3442.14	318.14	30.82	1384.60	6230.64	1.144e+04
25	100	9499.42	5162.06	-0.01	0.0	0.0	-3278.46	267.13	25.40	1307.86	2875.96	-1.405e+04
		-1.405e+04	2875.96	-1.57e-04	0.0	90.0	-2997.21	267.13	25.40	1307.86	5162.06	9499.42
25	101	1.017e+04	5430.52	-0.01	0.0	0.0	-3376.28	285.32	27.21	1315.90	2981.62	-1.499e+04
		-1.499e+04	2981.62	-2.46e-04	0.0	90.0	-3095.03	285.32	27.21	1315.90	5430.52	1.017e+04
25	104	1.010e+04	5461.68	-0.01	0.0	0.0	-3398.75	283.15	27.06	1325.78	3026.00	-1.487e+04
		-1.487e+04	3026.00	-2.05e-04	0.0	90.0	-3117.50	283.15	27.06	1325.78	5461.68	1.010e+04
25	105	9499.42	5162.06	-0.01	0.0	0.0	-3278.46	267.13	25.40	1307.86	2875.96	-1.405e+04
		-1.405e+04	2875.96	-1.57e-04	0.0	90.0	-2997.21	267.13	25.40	1307.86	5162.06	9499.42
25	106	9904.52	5323.13	-0.01	0.0	0.0	-3337.15	278.04	26.49	1312.69	2939.35	-1.462e+04
		-1.462e+04	2939.35	-2.09e-04	0.0	90.0	-3055.90	278.04	26.49	1312.69	5323.13	9904.52
26	5	8860.61	-1143.31	-0.01	0.0	0.0	-3091.30	271.01	2.92	-328.03	-1143.31	-1.538e+04
		-1.538e+04	-1406.11	-5.41e-04	0.0	90.0	-2810.05	271.01	2.92	-328.03	-1406.11	8860.61
26	7	1.077e+04	-812.58	-0.02	0.0	0.0	-3366.88	324.51	4.88	-467.29	-812.58	-1.828e+04
		-1.828e+04	-1251.56	-9.47e-04	0.0	90.0	-3085.63	324.51	4.88	-467.29	-1251.56	1.077e+04
26	9	1.371e+04	-2045.57	-0.02	0.0	0.0	-4611.32	410.98	3.26	-555.59	-2339.04	-2.305e+04
		-2.305e+04	-2339.04	-8.79e-04	0.0	90.0	-4245.69	410.98	3.26	-555.59	-2045.57	1.371e+04
26	11	1.505e+04	-1814.06	-0.02	0.0	0.0	-4804.23	448.43	4.63	-653.07	-1814.06	-2.508e+04
		-2.508e+04	-2230.86	-1.16e-03	0.0	90.0	-4438.60	448.43	4.63	-653.07	-2230.86	1.505e+04
26	35	6181.20	1.453e+04	-0.03	0.0	0.0	-3206.61	269.28	116.96	-15.11	4044.97	-1.713e+04
		-1.713e+04	4044.97	1.87e-03	0.0	90.0	-2925.36	269.28	116.96	-15.11	1.453e+04	6181.20

26	38	1.138e+04	-6885.43	5.21e-03	0.0	0.0	-3225.69	216.19	-112.26	-612.14	-6885.43	-8747.01
		-8747.01	-1.695e+04	-3.16e-03	0.0	90.0	-2944.44	216.19	-112.26	-612.14	-1.695e+04	1.138e+04
26	48	1.428e+04	3810.78	0.04	0.0	0.0	-4130.31	22.67	-40.83	6012.89	3810.78	1.177e+04
		1.177e+04	58.06	3.95e-03	0.0	90.0	-3849.06	22.67	-40.83	6012.89	58.06	1.428e+04
26	49	-185.22	-2391.75	-0.06	0.0	0.0	-2321.16	243.23	46.09	-6401.87	-6618.26	-2.147e+04
		-2.147e+04	-6618.26	-5.21e-03	0.0	90.0	-2039.91	243.23	46.09	-6401.87	-2391.75	-185.22
26	54	1.431e+04	-39.90	0.04	0.0	0.0	-3980.27	26.71	-95.97	4701.65	-39.90	1.128e+04
		1.128e+04	-8700.22	1.80e-03	0.0	90.0	-3699.02	26.71	-95.97	4701.65	-8700.22	1.431e+04
26	67	8440.92	8042.79	-0.02	0.0	0.0	-3180.60	289.43	71.15	-370.41	1658.01	-1.706e+04
		-1.706e+04	1658.01	6.70e-04	0.0	90.0	-2899.35	289.43	71.15	-370.41	8042.79	8440.92
26	70	1.065e+04	-4473.24	-3.08e-03	0.0	0.0	-3246.27	290.66	-64.36	-380.82	-4473.24	-1.574e+04
		-1.574e+04	-1.025e+04	-2.00e-03	0.0	90.0	-2965.02	290.66	-64.36	-380.82	-1.025e+04	1.065e+04
26	80	1.247e+04	1220.20	0.02	0.0	0.0	-3776.88	279.91	-38.57	3577.81	1220.20	-1.284e+04
		-1.284e+04	-2293.57	2.17e-03	0.0	90.0	-3495.63	279.91	-38.57	3577.81	-2293.57	1.247e+04
26	81	6629.37	89.23	-0.04	0.0	0.0	-2649.99	300.18	45.36	-4329.05	-4035.43	-1.997e+04
		-1.997e+04	-4035.43	-3.50e-03	0.0	90.0	-2368.74	300.18	45.36	-4329.05	89.23	6629.37
26	86	1.249e+04	-890.07	0.02	0.0	0.0	-3698.43	282.16	-68.53	2855.24	-890.07	-1.310e+04
		-1.310e+04	-7070.53	9.64e-04	0.0	90.0	-3417.18	282.16	-68.53	2855.24	-7070.53	1.249e+04
26	87	9166.26	-1168.32	-0.01	0.0	0.0	-3158.32	279.34	3.00	-347.77	-1438.52	-1.582e+04
		-1.582e+04	-1438.52	-5.82e-04	0.0	90.0	-2877.07	279.34	3.00	-347.77	-1168.32	9166.26
26	88	9547.55	-1102.17	-0.01	0.0	0.0	-3213.43	290.04	3.39	-375.62	-1407.61	-1.640e+04
		-1.640e+04	-1407.61	-6.63e-04	0.0	90.0	-2932.18	290.04	3.39	-375.62	-1102.17	9547.55
26	89	9166.26	-1168.32	-0.01	0.0	0.0	-3158.32	279.34	3.00	-347.77	-1438.52	-1.582e+04
		-1.582e+04	-1438.52	-5.82e-04	0.0	90.0	-2877.07	279.34	3.00	-347.77	-1168.32	9166.26
26	91	1.044e+04	-947.83	-0.01	0.0	0.0	-3342.04	315.01	4.31	-440.60	-947.83	1.044e+04
		-1.775e+04	-1335.49	-8.52e-04	0.0	90.0	-3060.79	315.01	4.31	-440.60	-1335.49	-1.775e+04
26	93	1.016e+04	-1502.82	-0.01	0.0	0.0	-3450.64	305.68	2.52	-403.61	-1729.56	-1.718e+04
		-1.718e+04	-1729.56	-6.36e-04	0.0	90.0	-3169.39	305.68	2.52	-403.61	-1502.82	1.016e+04
26	95	1.105e+04	-1348.48	-0.02	0.0	0.0	-3579.25	330.65	3.43	-468.60	-1657.43	-1.853e+04
		-1.853e+04	-1657.43	-8.26e-04	0.0	90.0	-3298.00	330.65	3.43	-468.60	-1348.48	1.105e+04
26	100	9166.26	-1168.32	-0.01	0.0	0.0	-3158.32	279.34	3.00	-347.77	-1438.52	-1.582e+04
		-1.582e+04	-1438.52	-5.82e-04	0.0	90.0	-2877.07	279.34	3.00	-347.77	-1168.32	9166.26
26	101	9801.75	-1058.07	-0.01	0.0	0.0	-3250.18	297.18	3.65	-394.18	-1387.01	-1.679e+04
		-1.679e+04	-1387.01	-7.17e-04	0.0	90.0	-2968.93	297.18	3.65	-394.18	-1058.07	9801.75
26	102	9365.33	-1235.22	-0.01	0.0	0.0	-3216.78	284.61	2.91	-358.93	-1496.73	-1.610e+04
		-1.610e+04	-1496.73	-5.93e-04	0.0	90.0	-2935.53	284.61	2.91	-358.93	-1235.22	9365.33
26	104	9746.62	-1169.07	-0.01	0.0	0.0	-3271.90	295.31	3.30	-386.79	-1465.82	-1.667e+04
		-1.667e+04	-1465.82	-6.74e-04	0.0	90.0	-2990.65	295.31	3.30	-386.79	-1169.07	9746.62
26	105	9166.26	-1168.32	-0.01	0.0	0.0	-3158.32	279.34	3.00	-347.77	-1438.52	-1.582e+04
		-1.582e+04	-1438.52	-5.82e-04	0.0	90.0	-2877.07	279.34	3.00	-347.77	-1168.32	9166.26
26	106	9547.55	-1102.17	-0.01	0.0	0.0	-3213.43	290.04	3.39	-375.62	-1407.61	-1.640e+04
		-1.640e+04	-1407.61	-6.63e-04	0.0	90.0	-2932.18	290.04	3.39	-375.62	-1102.17	9547.55
28	5	5892.07	2777.31	5.76e-03	0.0	0.0	-3297.55	-150.80	23.12	5324.63	696.61	5892.07
		-6789.24	696.61	1.01e-04	0.0	90.0	-3016.30	-150.80	23.12	5324.63	2777.31	-6789.24
28	7	7533.65	2297.06	6.53e-03	0.0	0.0	-3592.01	-188.89	24.00	6003.53	137.39	7533.65
		-8483.05	137.39	-4.76e-04	0.0	90.0	-3310.76	-188.89	24.00	6003.53	2297.06	-8483.05
28	9	9579.42	3907.64	8.38e-03	0.0	0.0	-4904.06	-239.54	32.00	7578.06	1027.23	9579.42
		-1.066e+04	1027.23	-3.59e-05	0.0	90.0	-4538.43	-239.54	32.00	7578.06	3907.64	-1.066e+04
28	11	1.073e+04	3571.47	8.93e-03	0.0	0.0	-5110.18	-266.20	32.62	8053.29	635.78	1.073e+04
		-1.184e+04	635.78	-4.15e-04	0.0	90.0	-4744.56	-266.20	32.62	8053.29	3571.47	-1.184e+04
28	31	-2324.92	1.714e+04	-4.56e-03	0.0	0.0	-3443.02	-85.04	107.79	2992.04	7634.49	-2324.92
		-8653.57	7634.49	4.12e-03	0.0	90.0	-3161.77	-85.04	107.79	2992.04	1.714e+04	-8653.57
28	34	8986.80	-6447.20	0.01	0.0	0.0	-3397.08	-152.40	-61.45	7368.44	-6447.20	8986.80
		-4503.38	-1.178e+04	-4.20e-03	0.0	90.0	-3115.83	-152.40	-61.45	7368.44	-1.178e+04	-4503.38
28	48	1.247e+04	4816.64	0.04	0.0	0.0	-2006.40	-100.14	53.61	1.179e+04	-335.71	1.247e+04
		4384.15	-335.71	-4.06e-03	0.0	90.0	-1725.15	-100.14	53.61	1.179e+04	4816.64	4384.15
28	49	-1.363e+04	1754.85	-0.04	0.0	0.0	-4846.62	78.57	-8.88	-3196.97	1754.85	-2.066e+04
		-2.066e+04	628.35	4.09e-03	0.0	90.0	-4565.37	78.57	-8.88	-3196.97	628.35	-1.363e+04
28	51	-1.326e+04	8815.89	-0.03	0.0	0.0	-4659.93	83.74	40.41	-2986.77	5524.97	-2.105e+04
		-2.105e+04	5524.97	6.08e-03	0.0	90.0	-4378.68	83.74	40.41	-2986.77	8815.89	-1.326e+04
28	54	1.287e+04	-3370.89	0.04	0.0	0.0	-2193.09	-105.32	4.32	1.158e+04	-4105.83	1.287e+04
		4005.77	-4105.83	-6.05e-03	0.0	90.0	-1911.84	-105.32	4.32	1.158e+04	-3370.89	4005.77
28	68	7223.83	1.043e+04	0.01	0.0	0.0	-3033.55	-156.09	75.08	6316.05	3623.95	7223.83
		-5555.76	3623.95	8.42e-04	0.0	90.0	-2752.30	-156.09	75.08	6316.05	1.043e+04	-5555.76
28	69	5748.08	-2506.62	8.69e-04	0.0	0.0	-3819.91	-172.90	-28.05	4801.54	-2506.62	5748.08
		-9223.69	-5079.68	-9.70e-04	0.0	90.0	-3538.66	-172.90	-28.05	4801.54	-5079.68	-9223.69
28	73	3048.28	599.15	-9.77e-03	0.0	0.0	-4141.27	-184.05	-3.17	2627.41	599.15	3048.28
		-1.261e+04	-9.15	1.35e-03	0.0	90.0	-3860.02	-184.05	-3.17	2627.41	-9.15	-1.261e+04
28	80	1.019e+04	5466.89	0.03	0.0	0.0	-2573.77	-148.85	57.55	1.004e+04	114.66	1.019e+04
		-2224.97	114.66	-2.85e-03	0.0	90.0	-2292.52	-148.85	57.55	1.004e+04	5466.89	-2224.97
28	81	2778.16	1002.66	-0.02	0.0	0.0	-4279.69	-180.13	-10.52	1074.44	1002.66	2778.16
		-1.255e+04	-117.23	2.72e-03	0.0	90.0	-3998.44	-180.13	-10.52	1074.44	-117.23	-1.255e+04
28	86	1.039e+04	975.73	0.03	0.0	0.0	-2669.26	-151.47	30.51	9926.60	-1952.81	1.039e+04
		-2422.01	-1952.81	-3.97e-03	0.0	90.0	-2388.01	-151.47	30.51	9926.60	975.73	-2422.01
28	87	6157.64	2770.88	5.88e-03	0.0	0.0	-3367.84	-156.88	23.34	5423.02	670.51	6157.64
		-7050.96	670.51	5.14e-05	0.0	90.0	-3086.59	-156.88	23.34	5423.02	2770.88	-7050.96
28	88	6485.96	2674.83	6.04e-03	0.0	0.0	-3426.73	-164.49	23.51	5558.80	558.66	6485.96
		-7389.73	558.66	-6.58e-05	0.0	90.0	-3145.48	-164.49	23.51	5558.80	2674.83	-7389.73
28	89	6157.64	2770.88	5.88e-03	0.0	0.0	-3367.84	-156.88	23.34	5423.02	670.51	6157.64
		-7050.96	670.51	5.14e-05	0.0	90.0	-3086.59	-156.88	23.34	5423.02	2770.88	-7050.96

28	91	7252.03	2450.72	6.40e-03	0.0	0.0	-3564.14	-182.27	23.92	5875.62	297.69	7252.03
		-8180.17	297.69	-3.33e-04	0.0	90.0	-3282.89	-182.27	23.92	5875.62	2450.72	-8180.17
28	93	7030.25	2978.83	6.29e-03	0.0	0.0	-3671.56	-176.56	24.30	5709.52	791.62	7030.25
		-7871.41	791.62	3.21e-05	0.0	90.0	-3390.31	-176.56	24.30	5709.52	2978.83	-7871.41
28	95	7796.32	2754.71	6.65e-03	0.0	0.0	-3808.98	-194.33	24.71	6026.34	530.66	7796.32
		-8661.86	530.66	-2.37e-04	0.0	90.0	-3527.73	-194.33	24.71	6026.34	2754.71	-8661.86
28	100	6157.64	2770.88	5.88e-03	0.0	0.0	-3367.84	-156.88	23.34	5423.02	670.51	6157.64
		-7050.96	670.51	5.14e-05	0.0	90.0	-3086.59	-156.88	23.34	5423.02	2770.88	-7050.96
28	101	6704.83	2610.80	6.14e-03	0.0	0.0	-3465.99	-169.57	23.63	5649.32	484.10	6704.83
		-7615.57	484.10	-1.41e-04	0.0	90.0	-3184.74	-169.57	23.63	5649.32	2610.80	-7615.57
28	102	6332.16	2812.47	5.96e-03	0.0	0.0	-3428.58	-160.81	23.53	5480.32	694.73	6332.16
		-7215.05	694.73	4.76e-05	0.0	90.0	-3147.33	-160.81	23.53	5480.32	2812.47	-7215.05
28	104	6660.48	2716.42	6.12e-03	0.0	0.0	-3487.47	-168.43	23.71	5616.10	582.89	6660.48
		-7553.81	582.89	-6.93e-05	0.0	90.0	-3206.22	-168.43	23.71	5616.10	2716.42	-7553.81
28	105	6157.64	2770.88	5.88e-03	0.0	0.0	-3367.84	-156.88	23.34	5423.02	670.51	6157.64
		-7050.96	670.51	5.14e-05	0.0	90.0	-3086.59	-156.88	23.34	5423.02	2770.88	-7050.96
28	106	6485.96	2674.83	6.04e-03	0.0	0.0	-3426.73	-164.49	23.51	5558.80	558.66	6485.96
		-7389.73	558.66	-6.58e-05	0.0	90.0	-3145.48	-164.49	23.51	5558.80	2674.83	-7389.73
31	5	1.111e+04	4311.67	7.13e-03	0.0	0.0	-3158.20	-226.15	20.26	-2718.22	2488.67	1.111e+04
		-8791.21	2488.67	7.33e-04	0.0	90.0	-2876.95	-226.15	20.26	-2718.22	4311.67	-8791.21
31	11	1.876e+04	7476.77	0.01	0.0	0.0	-4920.39	-381.49	35.58	-3991.87	4274.28	1.876e+04
		-1.490e+04	4274.28	9.76e-04	0.0	90.0	-4554.76	-381.49	35.58	-3991.87	7476.77	-1.490e+04
31	34	1.216e+04	-3756.73	0.02	0.0	0.0	-3523.68	-239.42	-70.31	-2150.92	-3756.73	1.216e+04
		-8537.59	-1.036e+04	-2.97e-03	0.0	90.0	-3242.43	-239.42	-70.31	-2150.92	-1.036e+04	-8537.59
31	36	9025.75	2.234e+04	0.02	0.0	0.0	-2588.40	-219.78	150.57	-3648.50	8796.28	9025.75
		-1.004e+04	8796.28	4.44e-03	0.0	90.0	-2307.15	-219.78	150.57	-3648.50	2.234e+04	-1.004e+04
31	37	8215.88	-3659.86	-3.22e-03	0.0	0.0	-3965.71	-175.03	-105.19	-1901.16	-3659.86	8215.88
		-7376.07	-1.312e+04	-2.97e-03	0.0	90.0	-3684.46	-175.03	-105.19	-1901.16	-1.312e+04	-7376.07
31	48	6166.90	1.576e+04	0.06	0.0	0.0	-2297.85	-193.48	133.30	-1868.63	3719.42	6166.90
		-9670.41	3719.42	1.87e-03	0.0	90.0	-2016.60	-193.48	133.30	-1868.63	1.576e+04	-9670.41
31	49	-4114.87	1408.23	-0.05	0.0	0.0	-4281.25	15.10	-87.19	-3597.99	1408.23	-4624.22
		-4624.22	-6482.30	-4.72e-04	0.0	90.0	-4000.00	15.10	-87.19	-3597.99	-6482.30	-4114.87
31	68	1.058e+04	1.469e+04	0.01	0.0	0.0	-2884.41	-239.84	95.28	-3248.01	6121.37	1.058e+04
		-1.040e+04	6121.37	2.81e-03	0.0	90.0	-2603.16	-239.84	95.28	-3248.01	1.469e+04	-1.040e+04
31	69	1.339e+04	-850.51	1.20e-03	0.0	0.0	-3684.88	-247.62	-51.45	-2349.74	-850.51	1.339e+04
		-8555.39	-5477.57	-1.40e-03	0.0	90.0	-3403.63	-247.62	-51.45	-2349.74	-5477.57	-8555.39
31	80	9517.56	1.188e+04	0.04	0.0	0.0	-2677.72	-246.97	92.07	-2233.06	3568.63	9517.56
		-1.165e+04	3568.63	1.44e-03	0.0	90.0	-2396.47	-246.97	92.07	-2233.06	1.188e+04	-1.165e+04
31	81	1.446e+04	1702.23	-0.02	0.0	0.0	-3891.57	-240.48	-48.24	-3364.69	1702.23	1.446e+04
		-7305.89	-2662.34	-2.49e-05	0.0	90.0	-3610.32	-240.48	-48.24	-3364.69	-2662.34	-7305.89
31	84	9494.99	1.190e+04	0.04	0.0	0.0	-2680.50	-246.89	91.90	-2225.91	3594.07	9494.99
		-1.165e+04	3594.07	1.47e-03	0.0	90.0	-2399.25	-246.89	91.90	-2225.91	1.190e+04	-1.165e+04
31	85	1.448e+04	1676.79	-0.02	0.0	0.0	-3888.79	-240.56	-48.07	-3371.84	1676.79	1.448e+04
		-7303.48	-2683.65	-5.43e-05	0.0	90.0	-3607.54	-240.56	-48.07	-3371.84	-2683.65	-7303.48
31	87	1.148e+04	4471.51	7.29e-03	0.0	0.0	-3227.70	-233.75	21.05	-2757.61	2576.84	1.148e+04
		-9091.77	2576.84	7.34e-04	0.0	90.0	-2946.45	-233.75	21.05	-2757.61	4471.51	-9091.77
31	88	1.199e+04	4607.73	7.51e-03	0.0	0.0	-3284.64	-243.73	21.91	-2798.87	2635.43	1.199e+04
		-9477.94	2635.43	7.06e-04	0.0	90.0	-3003.39	-243.73	21.91	-2798.87	4607.73	-9477.94
31	89	1.148e+04	4471.51	7.29e-03	0.0	0.0	-3227.70	-233.75	21.05	-2757.61	2576.84	1.148e+04
		-9091.77	2576.84	7.34e-04	0.0	90.0	-2946.45	-233.75	21.05	-2757.61	4471.51	-9091.77
31	95	1.378e+04	5474.15	8.27e-03	0.0	0.0	-3664.28	-280.43	26.00	-3002.67	3134.32	1.378e+04
		-1.094e+04	3134.32	7.48e-04	0.0	90.0	-3383.03	-280.43	26.00	-3002.67	5474.15	-1.094e+04
31	100	1.148e+04	4471.51	7.29e-03	0.0	0.0	-3227.70	-233.75	21.05	-2757.61	2576.84	1.148e+04
		-9091.77	2576.84	7.34e-04	0.0	90.0	-2946.45	-233.75	21.05	-2757.61	4471.51	-9091.77
31	101	1.232e+04	4698.54	7.66e-03	0.0	0.0	-3322.60	-250.38	22.49	-2826.38	2674.49	1.232e+04
		-9735.39	2674.49	6.87e-04	0.0	90.0	-3041.35	-250.38	22.49	-2826.38	4698.54	-9735.39
31	104	1.221e+04	4744.69	7.60e-03	0.0	0.0	-3345.39	-248.41	22.50	-2828.63	2719.58	1.221e+04
		-9667.85	2719.58	7.22e-04	0.0	90.0	-3064.14	-248.41	22.50	-2828.63	4744.69	-9667.85
31	105	1.148e+04	4471.51	7.29e-03	0.0	0.0	-3227.70	-233.75	21.05	-2757.61	2576.84	1.148e+04
		-9091.77	2576.84	7.34e-04	0.0	90.0	-2946.45	-233.75	21.05	-2757.61	4471.51	-9091.77
31	106	1.199e+04	4607.73	7.51e-03	0.0	0.0	-3284.64	-243.73	21.91	-2798.87	2635.43	1.199e+04
		-9477.94	2635.43	7.06e-04	0.0	90.0	-3003.39	-243.73	21.91	-2798.87	4607.73	-9477.94
32	5	1.386e+04	-1839.75	8.74e-03	0.0	0.0	-3074.46	-256.96	-2.36	-836.60	-1839.75	1.386e+04
		-9092.97	-2052.08	2.26e-04	0.0	90.0	-2793.21	-256.96	-2.36	-836.60	-2052.08	-9092.97
32	7	1.655e+04	-1743.75	9.94e-03	0.0	0.0	-3344.55	-308.23	-0.78	-842.38	-1743.75	1.655e+04
		-1.100e+04	-1814.33	-7.06e-05	0.0	90.0	-3063.30	-308.23	-0.78	-842.38	-1814.33	-1.100e+04
32	9	2.086e+04	-2964.42	0.01	0.0	0.0	-4584.65	-390.67	-3.67	-1113.88	-2964.42	2.086e+04
		-1.403e+04	-3294.79	2.32e-04	0.0	90.0	-4219.02	-390.67	-3.67	-1113.88	-3294.79	-1.403e+04
32	11	2.274e+04	-2897.22	0.01	0.0	0.0	-4773.71	-426.56	-2.57	-1117.93	-2897.22	2.274e+04
		-1.537e+04	-3128.36	4.88e-05	0.0	90.0	-4408.09	-426.56	-2.57	-1117.93	-3128.36	-1.537e+04
32	36	1.538e+04	1.296e+04	0.02	0.0	0.0	-3169.83	-254.39	89.84	-1567.19	4933.23	1.538e+04
		-6571.53	4933.23	3.10e-03	0.0	90.0	-2888.58	-254.39	89.84	-1567.19	1.296e+04	-6571.53
32	37	7318.81	-8735.89	-1.49e-03	0.0	0.0	-3211.78	-202.50	-93.87	-224.53	-8735.89	7318.81
		-1.153e+04	-1.713e+04	-2.77e-03	0.0	90.0	-2930.53	-202.50	-93.87	-224.53	-1.713e+04	-1.153e+04
32	47	-1.218e+04	209.35	-0.04	0.0	0.0	-4247.79	-9.15	-3.52	-5618.78	209.35	-1.218e+04
		-1.395e+04	-22.32	3.14e-03	0.0	90.0	-3966.54	-9.15	-3.52	-5618.78	-22.32	-1.395e+04
32	50	1.874e+04	-3942.90	0.05	0.0	0.0	-2163.61	-227.71	-0.73	3597.92	-3942.90	1.874e+04
		-583.48	-4093.99	-2.80e-03	0.0	90.0	-1882.36	-227.71	-0.73	3597.92	-4093.99	-583.48
32	53	-1.217e+04	-3854.13	-0.04	0.0	0.0	-4084.00	-13.04	-53.71	-4449.75	-3854.13	-1.217e+04
		-1.420e+04	-8576.09	1.08e-03	0.0	90.0	-3802.75	-13.04	-53.71	-4449.75	-8576.09	-1.420e+04

32	54	1.913e+04	-3992.63	0.05	0.0	0.0	-2167.50	-227.55	-0.90	3551.84	-3992.63	1.913e+04
		-601.28	-4172.00	-2.85e-03	0.0	90.0	-1886.25	-227.55	-0.90	3551.84	-4172.00	-601.28
32	68	1.534e+04	6426.55	0.02	0.0	0.0	-3151.33	-273.61	50.20	-1092.60	1937.39	1.534e+04
		-8725.86	1937.39	1.75e-03	0.0	90.0	-2870.08	-273.61	50.20	-1092.60	6426.55	-8725.86
32	69	1.427e+04	-5661.11	2.98e-03	0.0	0.0	-3238.16	-276.84	-54.18	-588.02	-5661.11	1.427e+04
		-1.084e+04	-1.051e+04	-1.46e-03	0.0	90.0	-2956.91	-276.84	-54.18	-588.02	-1.051e+04	-1.084e+04
32	79	1.196e+04	-953.88	-0.02	0.0	0.0	-3840.25	-268.89	-8.66	-3764.26	-953.88	1.196e+04
		-1.254e+04	-1690.23	1.97e-03	0.0	90.0	-3559.00	-268.89	-8.66	-3764.26	-1690.23	-1.254e+04
32	82	1.765e+04	-2392.13	0.04	0.0	0.0	-2549.24	-281.57	4.68	2083.64	-2769.85	1.765e+04
		-7019.21	-2769.85	-1.68e-03	0.0	90.0	-2267.99	-281.57	4.68	2083.64	-2392.13	-7019.21
32	85	1.196e+04	-3172.49	-0.02	0.0	0.0	-3755.75	-270.90	-36.21	-3121.11	-3172.49	1.196e+04
		-1.266e+04	-6373.49	8.06e-04	0.0	90.0	-3474.50	-270.90	-36.21	-3121.11	-6373.49	-1.266e+04
32	86	1.786e+04	-2435.05	0.04	0.0	0.0	-2551.40	-281.48	4.58	2057.98	-2797.00	1.786e+04
		-7025.14	-2797.00	-1.71e-03	0.0	90.0	-2270.15	-281.48	4.58	2057.98	-2435.05	-7025.14
32	87	1.427e+04	-1881.06	8.92e-03	0.0	0.0	-3140.73	-264.97	-2.31	-839.15	-1881.06	1.427e+04
		-9400.09	-2088.73	2.02e-04	0.0	90.0	-2859.48	-264.97	-2.31	-839.15	-2088.73	-9400.09
32	88	1.481e+04	-1861.86	9.16e-03	0.0	0.0	-3194.74	-275.23	-1.99	-840.31	-1861.86	1.481e+04
		-9781.88	-2041.18	1.42e-04	0.0	90.0	-2913.49	-275.23	-1.99	-840.31	-2041.18	-9781.88
32	89	1.427e+04	-1881.06	8.92e-03	0.0	0.0	-3140.73	-264.97	-2.31	-839.15	-1881.06	1.427e+04
		-9400.09	-2088.73	2.02e-04	0.0	90.0	-2859.48	-264.97	-2.31	-839.15	-2088.73	-9400.09
32	91	1.606e+04	-1817.07	9.72e-03	0.0	0.0	-3320.79	-299.16	-1.26	-843.01	-1817.07	1.606e+04
		-1.067e+04	-1930.23	2.43e-05	0.0	90.0	-3039.54	-299.16	-1.26	-843.01	-1930.23	-1.067e+04
32	93	1.553e+04	-2199.54	9.48e-03	0.0	0.0	-3431.02	-290.43	-2.79	-852.77	-2199.54	1.553e+04
		-1.040e+04	-2450.59	1.98e-04	0.0	90.0	-3149.77	-290.43	-2.79	-852.77	-2450.59	-1.040e+04
32	95	1.679e+04	-2154.75	0.01	0.0	0.0	-3557.06	-314.36	-2.05	-855.47	-2154.75	1.679e+04
		-1.129e+04	-2339.64	6.46e-05	0.0	90.0	-3275.81	-314.36	-2.05	-855.47	-2339.64	-1.129e+04
32	100	1.427e+04	-1881.06	8.92e-03	0.0	0.0	-3140.73	-264.97	-2.31	-839.15	-1881.06	1.427e+04
		-9400.09	-2088.73	2.02e-04	0.0	90.0	-2859.48	-264.97	-2.31	-839.15	-2088.73	-9400.09
32	101	1.517e+04	-1849.06	9.32e-03	0.0	0.0	-3230.76	-282.06	-1.78	-841.08	-1849.06	1.517e+04
		-1.004e+04	-2009.48	1.03e-04	0.0	90.0	-2949.51	-282.06	-1.78	-841.08	-2009.48	-1.004e+04
32	102	1.452e+04	-1944.76	9.03e-03	0.0	0.0	-3198.78	-270.07	-2.40	-841.88	-1944.76	1.452e+04
		-9600.81	-2161.10	2.01e-04	0.0	90.0	-2917.53	-270.07	-2.40	-841.88	-2161.10	-9600.81
32	104	1.506e+04	-1925.56	9.27e-03	0.0	0.0	-3252.80	-280.32	-2.09	-843.03	-1925.56	1.506e+04
		-9982.60	-2113.55	1.42e-04	0.0	90.0	-2971.55	-280.32	-2.09	-843.03	-2113.55	-9982.60
32	105	1.427e+04	-1881.06	8.92e-03	0.0	0.0	-3140.73	-264.97	-2.31	-839.15	-1881.06	1.427e+04
		-9400.09	-2088.73	2.02e-04	0.0	90.0	-2859.48	-264.97	-2.31	-839.15	-2088.73	-9400.09
32	106	1.481e+04	-1861.86	9.16e-03	0.0	0.0	-3194.74	-275.23	-1.99	-840.31	-1861.86	1.481e+04
		-9781.88	-2041.18	1.42e-04	0.0	90.0	-2913.49	-275.23	-1.99	-840.31	-2041.18	-9781.88
36	7	4.204e+04	9.188e+04	-0.01	0.0	0.0	-1.050e+04	-156.63	273.20	-272.51	-2.013e+04	4.204e+04
		-2.218e+04	-2.013e+04	-0.02	0.0	410.0	-9479.27	-156.63	273.20	-272.51	9.188e+04	-2.218e+04
36	9	6.839e+04	1.454e+05	-0.03	0.0	0.0	-1.670e+04	-243.66	428.41	-346.86	-3.027e+04	6.839e+04
		-3.151e+04	-3.027e+04	-0.03	0.0	410.0	-1.537e+04	-243.66	428.41	-346.86	1.454e+05	-3.151e+04
36	11	6.843e+04	1.465e+05	-0.03	0.0	0.0	-1.670e+04	-243.80	433.90	-366.99	-3.136e+04	6.843e+04
		-3.152e+04	-3.136e+04	-0.03	0.0	410.0	-1.537e+04	-243.80	433.90	-366.99	1.465e+05	-3.152e+04
36	18	6.687e+04	1.391e+05	-0.02	0.0	0.0	-1.585e+04	-251.51	412.22	-362.78	-2.994e+04	6.687e+04
		-3.625e+04	-2.994e+04	-0.03	0.0	410.0	-1.452e+04	-251.51	412.22	-362.78	1.391e+05	-3.625e+04
36	33	-11.72	3.878e+05	-0.16	0.0	0.0	-1.083e+04	-48.99	1681.29	3359.70	-3.016e+05	-11.72
		-1.994e+04	-3.016e+05	-0.26	0.0	410.0	-9805.09	-48.99	1681.29	3359.70	3.878e+05	-1.994e+04
36	39	-1.709e+04	1.405e+05	-0.42	0.0	0.0	-1.180e+04	124.64	429.55	8039.35	-3.587e+04	-1.709e+04
		-6.768e+04	-3.587e+04	-0.03	0.0	410.0	-1.077e+04	124.64	429.55	8039.35	1.405e+05	-6.768e+04
36	42	1.539e+05	4.533e+04	0.43	0.0	0.0	-9720.08	-444.25	118.28	-8543.17	-2938.94	1.539e+05
		-2.769e+04	-2938.94	-7.07e-03	0.0	410.0	-8695.08	-444.25	118.28	-8543.17	4.533e+04	-2.769e+04
36	65	1.920e+04	2.547e+05	-0.09	0.0	0.0	-1.080e+04	-98.34	1046.24	1645.77	-1.743e+05	1.920e+04
		-2.104e+04	-1.743e+05	-0.14	0.0	410.0	-9771.70	-98.34	1046.24	1645.77	2.547e+05	-2.104e+04
36	71	-1.840e+04	1.168e+05	-0.23	0.0	0.0	-1.132e+04	-1.93	348.89	3985.84	-2.640e+04	-1.840e+04
		-1.949e+04	-2.640e+04	-0.02	0.0	410.0	-1.030e+04	-1.93	348.89	3985.84	1.168e+05	-1.949e+04
36	72	9.900e+04	6.942e+04	0.22	0.0	0.0	-1.027e+04	-303.07	-203.35	-3723.32	6.942e+04	9.900e+04
		-2.564e+04	-1.409e+04	0.08	0.0	410.0	-9246.26	-303.07	-203.35	-3723.32	-1.409e+04	-2.564e+04
36	74	1.047e+05	6.923e+04	0.24	0.0	0.0	-1.019e+04	-317.73	199.83	-4493.53	-1.259e+04	1.047e+05
		-2.529e+04	-1.259e+04	-0.01	0.0	410.0	-9168.60	-317.73	199.83	-4493.53	6.923e+04	-2.529e+04
36	87	4.313e+04	9.266e+04	-0.01	0.0	0.0	-1.076e+04	-159.79	272.80	-248.09	9.266e+04	4.313e+04
		-2.239e+04	-1.918e+04	-0.02	0.0	410.0	-9733.32	-159.79	272.80	-248.09	9.266e+04	-2.239e+04
36	88	4.314e+04	9.300e+04	-0.01	0.0	0.0	-1.076e+04	-159.83	274.36	-253.84	-1.949e+04	4.314e+04
		-2.239e+04	-1.949e+04	-0.02	0.0	410.0	-9733.06	-159.83	274.36	-253.84	9.300e+04	-2.239e+04
36	91	4.317e+04	9.377e+04	-0.01	0.0	0.0	-1.076e+04	-159.92	278.02	-267.27	-2.022e+04	4.317e+04
		-2.240e+04	-2.022e+04	-0.02	0.0	410.0	-9732.47	-159.92	278.02	-267.27	9.377e+04	-2.240e+04
36	93	5.057e+04	1.077e+05	-0.02	0.0	0.0	-1.240e+04	-181.51	317.03	-261.41	-2.233e+04	5.057e+04
		-2.384e+04	-2.233e+04	-0.02	0.0	410.0	-1.138e+04	-181.51	317.03	-261.41	1.077e+05	-2.384e+04
36	95	5.061e+04	1.084e+05	-0.02	0.0	0.0	-1.240e+04	-181.60	320.69	-274.84	-2.306e+04	5.061e+04
		-2.385e+04	-2.306e+04	-0.02	0.0	410.0	-1.138e+04	-181.60	320.69	-274.84	1.084e+05	-2.385e+04
36	99	4.956e+04	1.034e+05	-0.02	0.0	0.0	-1.183e+04	-186.74	306.23	-272.03	-2.211e+04	4.956e+04
		-2.700e+04	-2.211e+04	-0.02	0.0	410.0	-1.081e+04	-186.74	306.23	-272.03	1.034e+05	-2.700e+04
36	101	4.315e+04	9.322e+04	-0.01	0.0	0.0	-1.076e+04	-159.86	275.41	-257.68	-1.970e+04	4.315e+04
		-2.239e+04	-1.970e+04	-0.02	0.0	410.0	-9732.89	-159.86	275.41	-257.68	9.322e+04	-2.239e+04
36	102	4.462e+04	9.566e+04	-0.02	0.0	0.0	-1.109e+04	-164.13	281.64	-250.76	-1.981e+04	4.462e+04
		-2.268e+04	-1.981e+04	-0.02	0.0	410.0	-1.006e+04	-164.13	281.64	-250.76	9.566e+04	-2.268e+04
36	104	4.463e+04	9.599e+04	-0.02	0.0	0.0	-1.109e+04	-164.17	283.21	-256.51	-2.012e+04	4.463e+04
		-2.268e+04	-2.012e+04	-0.02	0.0	410.0	-1.006e+04	-164.17	283.21	-256.51	9.599e+04	-2.268e+04
36	105	4.313e+04	9.266e+04	-0.01	0.0	0.0	-1.076e+04	-159.79	272.80	-248.09	-1.918e+04	4.313e+04
		-2.239e+04	-1.918e+04	-0.02	0.0	410.0	-9733.32	-159.79	272.80	-248.09	9.266e+04	-2.239e+04

36	106	4.314e+04	9.300e+04	-0.01	0.0	0.0	-1.076e+04	-159.83	274.36	-253.84	-1.949e+04	4.314e+04
		-2.239e+04	-1.949e+04	-0.02	0.0	410.0	-9733.06	-159.83	274.36	-253.84	9.300e+04	-2.239e+04
81	5	1.530e+04	6.529e+04	-0.01	0.0	0.0	-9040.00	24.51	-623.05	-734.70	6.529e+04	7458.17
		7458.17	-1.341e+05	5.31e-03	-7.81e-04	320.0	-8040.00	24.51	-623.05	-734.70	-1.341e+05	1.530e+04
81	11	2.049e+04	1.095e+05	-0.02	0.0	0.0	-1.436e+04	24.14	-1029.53	-1109.13	1.095e+05	1.277e+04
		1.277e+04	-2.200e+05	7.99e-03	-1.02e-03	320.0	-1.306e+04	24.14	-1029.53	-1109.13	-2.200e+05	2.049e+04
81	16	2.562e+04	1.013e+05	-0.02	0.0	0.0	-1.362e+04	52.50	-962.02	-1041.33	1.013e+05	8817.50
		8817.50	-2.066e+05	8.00e-03	-1.02e-03	320.0	-1.232e+04	52.50	-962.03	-1041.33	-2.066e+05	2.562e+04
81	19	2.058e+04	6.844e+04	-0.01	0.0	0.0	-9358.48	47.41	-651.57	-753.23	6.844e+04	5406.91
		5406.91	-1.401e+05	5.46e-03	-7.81e-04	320.0	-8358.48	47.41	-651.57	-753.23	-1.401e+05	2.058e+04
81	31	9900.52	9.238e+05	-0.06	0.0	0.0	-7430.56	41.66	-5390.90	438.98	9.238e+05	-2294.86
		-2294.86	-8.015e+05	0.24	-7.81e-04	320.0	-6430.56	41.66	-5390.90	438.98	-8.015e+05	9900.52
81	40	4.308e+04	8.698e+04	0.15	0.0	0.0	-1.060e+04	-76.36	-631.51	-8908.09	8.698e+04	4.308e+04
		1.881e+04	-1.148e+05	-4.80e-03	-7.81e-04	320.0	-9601.43	-76.36	-631.51	-8908.09	-1.148e+05	1.881e+04
81	41	1.337e+04	4.775e+04	-0.16	0.0	0.0	-7918.53	167.03	-651.10	7450.69	4.775e+04	-3.991e+04
		-3.991e+04	-1.609e+05	0.01	-7.81e-04	320.0	-6918.53	167.03	-651.10	7450.69	-1.609e+05	1.337e+04
81	51	1.058e+04	4.174e+05	-0.21	0.0	0.0	-6911.77	145.51	-2688.77	674.85	4.174e+05	-3.562e+04
		-3.562e+04	-4.438e+05	0.05	-7.81e-04	320.0	-5911.77	145.51	-2688.77	674.85	-4.438e+05	1.058e+04
81	54	3.879e+04	1.681e+05	0.20	0.0	0.0	-1.161e+04	-54.84	1406.16	-2132.25	-2.826e+05	3.879e+04
		2.160e+04	-2.826e+05	-0.06	-7.81e-04	320.0	-1.061e+04	-54.84	1406.16	-2132.25	1.681e+05	2.160e+04
81	63	1.221e+04	5.406e+05	-0.04	0.0	0.0	-8271.46	29.72	-3266.45	-39.57	5.406e+05	3284.98
		3284.98	-5.047e+05	0.13	-7.81e-04	320.0	-7271.46	29.72	-3266.45	-39.57	-5.047e+05	1.221e+04
81	72	3.145e+04	7.314e+04	0.08	0.0	0.0	-1.006e+04	-45.88	-605.68	-5484.33	7.314e+04	3.145e+04
		1.686e+04	-1.205e+05	2.88e-03	-7.81e-04	320.0	-9057.16	-45.88	-605.68	-5484.33	-1.205e+05	1.686e+04
81	73	1.373e+04	6.321e+04	-0.10	0.0	0.0	-8458.71	90.79	-685.54	3960.38	6.321e+04	-1.523e+04
		-1.523e+04	-1.563e+05	7.56e-03	-7.81e-04	320.0	-7458.71	90.79	-685.54	3960.38	-1.563e+05	1.373e+04
81	83	1.221e+04	2.665e+05	-0.13	0.0	0.0	-7923.15	79.08	-1806.04	219.64	2.665e+05	-1.291e+04
		-1.291e+04	-3.119e+05	0.03	-7.81e-04	320.0	-6923.15	79.08	-1806.04	219.64	-3.119e+05	1.221e+04
81	86	2.913e+04	3.507e+04	0.11	0.0	0.0	-1.059e+04	-34.17	514.82	-1743.59	-1.301e+05	2.913e+04
		1.838e+04	-1.301e+05	-0.03	-7.81e-04	320.0	-9592.72	-34.17	514.82	-1743.59	3.507e+04	1.838e+04
81	87	1.535e+04	6.736e+04	-0.01	0.0	0.0	-9256.42	23.82	-641.41	-747.94	6.736e+04	7726.12
		7726.12	-1.379e+05	5.39e-03	-7.81e-04	320.0	-8256.42	23.82	-641.41	-747.94	-1.379e+05	1.535e+04
81	88	1.530e+04	6.818e+04	-0.01	0.0	0.0	-9257.93	22.45	-645.61	-761.98	6.818e+04	8110.44
		8110.44	-1.384e+05	5.22e-03	-7.81e-04	320.0	-8257.93	22.45	-645.61	-761.98	-1.384e+05	1.530e+04
81	89	1.535e+04	6.736e+04	-0.01	0.0	0.0	-9256.42	23.82	-641.41	-747.94	6.736e+04	7726.12
		7726.12	-1.379e+05	5.39e-03	-7.81e-04	320.0	-8256.42	23.82	-641.41	-747.94	-1.379e+05	1.535e+04
81	95	1.568e+04	8.059e+04	-0.01	0.0	0.0	-1.066e+04	19.72	-759.63	-830.31	8.059e+04	9365.33
		9365.33	-1.625e+05	5.99e-03	-7.81e-04	320.0	-9662.78	19.72	-759.63	-830.31	-1.625e+05	1.568e+04
81	96	1.887e+04	6.946e+04	-0.01	0.0	0.0	-9468.75	39.09	-660.43	-760.30	6.946e+04	6358.61
		6358.61	-1.419e+05	5.50e-03	-7.81e-04	320.0	-8468.75	39.09	-660.43	-760.30	-1.419e+05	1.887e+04
81	97	1.909e+04	7.512e+04	-0.01	0.0	0.0	-1.017e+04	38.64	-714.63	-785.11	7.512e+04	6729.85
		6729.85	-1.536e+05	5.99e-03	-7.81e-04	320.0	-9170.16	38.64	-714.63	-785.11	-1.536e+05	1.909e+04
81	100	1.535e+04	6.736e+04	-0.01	0.0	0.0	-9256.42	23.82	-641.41	-747.94	6.736e+04	7726.12
		7726.12	-1.379e+05	5.39e-03	-7.81e-04	320.0	-8256.42	23.82	-641.41	-747.94	-1.379e+05	1.535e+04
81	102	1.544e+04	6.962e+04	-0.01	0.0	0.0	-9536.99	23.64	-663.09	-757.87	6.962e+04	7874.61
		7874.61	-1.426e+05	5.59e-03	-7.81e-04	320.0	-8536.99	23.64	-663.09	-757.87	-1.426e+05	1.544e+04
81	104	1.539e+04	7.044e+04	-0.01	0.0	0.0	-9538.50	22.27	-667.29	-771.90	7.044e+04	8258.93
		8258.93	-1.431e+05	5.42e-03	-7.81e-04	320.0	-8538.50	22.27	-667.30	-771.90	-1.431e+05	1.539e+04
81	105	1.535e+04	6.736e+04	-0.01	0.0	0.0	-9256.42	23.82	-641.41	-747.94	6.736e+04	7726.12
		7726.12	-1.379e+05	5.39e-03	-7.81e-04	320.0	-8256.42	23.82	-641.41	-747.94	-1.379e+05	1.535e+04
81	106	1.530e+04	6.818e+04	-0.01	0.0	0.0	-9257.93	22.45	-645.61	-761.98	6.818e+04	8110.44
		8110.44	-1.384e+05	5.22e-03	-7.81e-04	320.0	-8257.93	22.45	-645.61	-761.98	-1.384e+05	1.530e+04
129	4	2.559e+04	8.642e+04	-0.02	0.0	0.0	-1.409e+04	-20.04	-888.34	-404.95	8.642e+04	2.559e+04
		1.917e+04	-1.978e+05	7.10e-03	0.0	320.0	-1.279e+04	-20.04	-888.34	-404.95	-1.978e+05	1.917e+04
129	7	1.893e+04	5.724e+04	-0.02	0.0	0.0	-9560.57	-14.04	-590.67	-300.60	5.724e+04	1.893e+04
		1.444e+04	-1.318e+05	4.48e-03	0.0	320.0	-8560.57	-14.04	-590.67	-300.60	-1.318e+05	1.444e+04
129	9	2.313e+04	9.799e+04	-0.02	0.0	0.0	-1.522e+04	-10.33	-989.58	-403.39	9.799e+04	2.313e+04
		1.982e+04	-2.187e+05	9.02e-03	0.0	320.0	-1.392e+04	-10.33	-989.58	-403.39	-2.187e+05	1.982e+04
129	19	2.034e+04	6.402e+04	-0.02	0.0	0.0	-9898.85	20.97	-638.89	-300.45	6.402e+04	1.363e+04
		1.363e+04	-1.404e+05	5.77e-03	0.0	320.0	-8898.85	20.97	-638.89	-300.45	-1.404e+05	2.034e+04
129	31	1.248e+04	8.821e+05	-0.07	0.0	0.0	-8050.50	3.51	-5171.71	703.25	8.821e+05	1.248e+04
		1.032e+04	-7.731e+05	0.21	0.0	320.0	-7050.50	3.51	-5171.71	703.25	-7.731e+05	1.032e+04
129	34	1.970e+04	4.974e+05	0.04	0.0	0.0	-1.154e+04	0.30	3924.54	-1283.00	-7.586e+05	1.633e+04
		1.633e+04	-7.586e+05	-0.21	0.0	320.0	-1.054e+04	0.30	3924.54	-1283.00	4.974e+05	1.970e+04
129	50	2.680e+04	-1.624e+04	0.18	0.0	0.0	-1.098e+04	44.16	283.02	-3447.61	-2.527e+05	3436.20
		3436.20	-2.527e+05	-0.05	0.0	320.0	-9984.75	44.16	283.02	-3447.61	-1.624e+04	2.680e+04
129	52	2.520e+04	2.103e+05	0.19	0.0	0.0	-1.010e+04	49.15	-2282.01	-3215.65	2.103e+05	1451.98
		1451.98	-3.741e+05	0.08	0.0	320.0	-9098.05	49.15	-2282.01	-3215.65	-3.741e+05	2.520e+04
129	63	1.598e+04	5.105e+05	-0.04	0.0	0.0	-8861.60	-6.90	-3112.17	115.79	5.105e+05	1.598e+04
		1.216e+04	-4.854e+05	0.11	0.0	320.0	-7861.60	-6.90	-3112.17	115.79	-4.854e+05	1.216e+04
129	66	1.740e+04	2.102e+05	0.02	0.0	0.0	-1.073e+04	-4.98	1867.61	-703.85	-3.875e+05	1.738e+04
		1.738e+04	-3.875e+05	-0.12	0.0	320.0	-9726.83	-4.98	1867.61	-703.85	2.102e+05	1.740e+04
129	79	2.120e+04	2.279e+05	-0.12	0.0	0.0	-9157.90	-25.07	-1086.33	965.37	2.279e+05	2.120e+04
		8212.15	-1.999e+05	0.02	0.0	320.0	-8157.90	-25.07	-1086.33	965.37	-1.999e+05	8212.15
129	85	2.230e+04	-3096.48	-0.13	0.0	0.0	-9633.84	-27.76	324.21	835.71	-2.671e+04	2.230e+04
		9058.92	-2.671e+04	-0.05	0.0	320.0	-8633.84	-27.76	324.21	835.71	-3096.48	9058.92
129	87	1.600e+04	6.225e+04	-0.02	0.0	0.0	-9794.78	-3.57	-626.49	-291.60	6.225e+04	1.600e+04
		1.486e+04	-1.382e+05	5.69e-03	0.0	320.0	-8794.78	-3.57	-626.49	-291.60	-1.382e+05	1.486e+04
129	88	1.668e+04	6.151e+04	-0.02	0.0	0.0	-9794.21	-5.94	-622.28	-294.03	6.151e+04	1.668e+04
		1.478e+04	-1.376e+05	5.46e-03	0.0	320.0	-8794.21	-5.94	-622.28	-294.03	-1.376e+05	1.478e+04

129	91	1.826e+04	5.979e+04	-0.02	0.0	0.0	-9792.88	-11.48	-612.45	-299.70	5.979e+04	1.826e+04
		1.459e+04	-1.362e+05	4.93e-03	0.0	320.0	-8792.88	-11.48	-612.45	-299.70	-1.362e+05	1.459e+04
129	92	1.888e+04	6.504e+04	-0.02	0.0	0.0	-1.055e+04	-12.91	-665.91	-306.75	6.504e+04	1.888e+04
		1.475e+04	-1.481e+05	5.45e-03	0.0	320.0	-9545.52	-12.91	-665.91	-306.75	-1.481e+05	1.475e+04
129	93	1.724e+04	7.275e+04	-0.02	0.0	0.0	-1.130e+04	-6.44	-733.41	-305.71	7.275e+04	1.724e+04
		1.518e+04	-1.619e+05	6.73e-03	0.0	320.0	-1.030e+04	-6.44	-733.41	-305.71	-1.619e+05	1.518e+04
129	101	1.713e+04	6.102e+04	-0.02	0.0	0.0	-9793.83	-7.52	-619.47	-295.65	6.102e+04	1.713e+04
		1.472e+04	-1.372e+05	5.31e-03	0.0	320.0	-8793.83	-7.52	-619.47	-295.65	-1.372e+05	1.472e+04
129	102	1.625e+04	6.435e+04	-0.02	0.0	0.0	-1.010e+04	-4.14	-647.87	-294.42	6.435e+04	1.625e+04
		1.492e+04	-1.430e+05	5.90e-03	0.0	320.0	-9095.84	-4.14	-647.87	-294.42	-1.430e+05	1.492e+04
129	105	1.600e+04	6.225e+04	-0.02	0.0	0.0	-9794.78	-3.57	-626.49	-291.60	6.225e+04	1.600e+04
		1.486e+04	-1.382e+05	5.69e-03	0.0	320.0	-8794.78	-3.57	-626.49	-291.60	-1.382e+05	1.486e+04
129	106	1.668e+04	6.151e+04	-0.02	0.0	0.0	-9794.21	-5.94	-622.28	-294.03	6.151e+04	1.668e+04
		1.478e+04	-1.376e+05	5.46e-03	0.0	320.0	-8794.21	-5.94	-622.28	-294.03	-1.376e+05	1.478e+04
130	7	2.001e+04	1.211e+05	-0.02	0.0	0.0	-9209.92	-15.33	550.14	-395.27	-5.494e+04	2.001e+04
		1.511e+04	-5.494e+04	-7.29e-03	0.0	320.0	-8209.92	-15.33	550.14	-395.27	1.211e+05	1.511e+04
130	9	2.503e+04	1.964e+05	-0.02	0.0	0.0	-1.465e+04	-15.54	890.74	-489.73	-8.861e+04	2.503e+04
		2.006e+04	-8.861e+04	-0.01	0.0	320.0	-1.335e+04	-15.54	890.74	-489.73	1.964e+05	2.006e+04
130	11	2.730e+04	1.968e+05	-0.02	0.0	0.0	-1.464e+04	-23.22	893.54	-522.02	-8.915e+04	2.730e+04
		1.987e+04	-8.915e+04	-0.01	0.0	320.0	-1.334e+04	-23.22	893.54	-522.02	1.968e+05	1.987e+04
130	19	2.150e+04	1.249e+05	-0.02	0.0	0.0	-9554.57	21.71	564.46	-356.97	-5.572e+04	1.455e+04
		1.455e+04	-5.572e+04	-6.60e-03	0.0	320.0	-8554.57	21.71	564.46	-356.97	1.249e+05	2.150e+04
130	31	1.662e+04	7.774e+05	-0.06	0.0	0.0	-1.094e+04	6.09	-4055.94	661.11	7.774e+05	1.612e+04
		1.612e+04	-5.206e+05	0.21	0.0	320.0	-9941.59	6.09	-4055.94	661.11	-5.206e+05	1.662e+04
130	34	1.502e+04	7.686e+05	0.04	0.0	0.0	-7936.71	-6.82	5179.83	-1393.68	-8.891e+05	1.502e+04
		1.429e+04	-8.891e+05	-0.21	0.0	320.0	-6936.71	-6.82	5179.83	-1393.68	7.686e+05	1.429e+04
130	52	2.084e+04	1.172e+05	0.19	0.0	0.0	-9228.25	45.17	-396.52	-2758.53	1.172e+05	-2966.44
		-2966.44	-9472.01	0.08	0.0	320.0	-8228.25	45.17	-396.52	-2758.53	-9472.01	2.084e+04
130	53	2.361e+04	2.570e+05	-0.21	0.0	0.0	-9654.33	-11.11	1517.45	2022.23	-2.284e+05	2.361e+04
		1.071e+04	-2.284e+05	-0.08	0.0	320.0	-8654.33	-11.11	1517.45	2022.23	2.570e+05	1.071e+04
130	66	1.711e+04	4.780e+05	0.02	0.0	0.0	-8637.99	-9.64	3098.65	-885.01	-5.136e+05	1.711e+04
		1.488e+04	-5.136e+05	-0.12	0.0	320.0	-7637.99	-9.64	3098.65	-885.01	4.780e+05	1.488e+04
130	67	1.875e+04	3.874e+05	-0.05	0.0	0.0	-1.024e+04	-5.85	-1894.55	-764.63	3.874e+05	1.875e+04
		1.553e+04	-2.189e+05	0.12	0.0	320.0	-9239.61	-5.85	-1894.55	-764.63	-2.189e+05	1.553e+04
130	70	1.703e+04	4.670e+05	0.03	0.0	0.0	-8637.71	-10.31	3018.95	35.98	-4.992e+05	1.703e+04
		1.508e+04	-4.992e+05	-0.12	0.0	320.0	-7637.71	-10.31	3018.95	35.98	4.670e+05	1.508e+04
130	84	1.869e+04	4.901e+04	0.11	0.0	0.0	-9340.20	14.32	24.87	-1520.18	4.095e+04	8897.52
		8897.52	4.095e+04	0.04	0.0	320.0	-8340.20	14.32	24.87	-1520.18	4.901e+04	1.869e+04
130	85	2.689e+04	1.990e+05	-0.12	0.0	0.0	-9537.12	-30.48	1099.53	791.53	-1.527e+05	2.689e+04
		1.193e+04	-1.527e+05	-0.05	0.0	320.0	-8537.12	-30.48	1099.53	791.53	1.990e+05	1.193e+04
130	87	1.724e+04	1.239e+05	-0.02	0.0	0.0	-9440.77	-5.89	561.40	-355.10	-5.573e+04	1.724e+04
		1.536e+04	-5.573e+04	-6.53e-03	0.0	320.0	-8440.77	-5.89	561.40	-355.10	1.239e+05	1.536e+04
130	88	1.789e+04	1.240e+05	-0.02	0.0	0.0	-9438.66	-8.08	562.20	-364.33	-5.588e+04	1.789e+04
		1.531e+04	-5.588e+04	-6.73e-03	0.0	320.0	-8438.66	-8.08	562.20	-364.33	1.240e+05	1.531e+04
130	91	1.941e+04	1.243e+05	-0.02	0.0	0.0	-9433.74	-13.20	564.07	-385.85	-5.624e+04	1.941e+04
		1.518e+04	-5.624e+04	-7.20e-03	0.0	320.0	-8433.74	-13.20	564.07	-385.85	1.243e+05	1.518e+04
130	93	1.866e+04	1.453e+05	-0.02	0.0	0.0	-1.088e+04	-10.12	658.51	-369.86	-6.546e+04	1.866e+04
		1.543e+04	-6.546e+04	-7.58e-03	0.0	320.0	-9878.20	-10.12	658.51	-369.86	1.453e+05	1.543e+04
130	95	2.018e+04	1.455e+05	-0.02	0.0	0.0	-1.087e+04	-15.25	660.37	-391.38	-6.583e+04	2.018e+04
		1.530e+04	-6.583e+04	-8.05e-03	0.0	320.0	-9873.28	-15.25	660.37	-391.38	1.455e+05	1.530e+04
130	101	1.833e+04	1.241e+05	-0.02	0.0	0.0	-9437.25	-9.54	562.73	-370.48	-5.599e+04	1.833e+04
		1.527e+04	-5.599e+04	-6.86e-03	0.0	320.0	-8437.25	-9.54	562.73	-370.48	1.241e+05	1.527e+04
130	102	1.753e+04	1.282e+05	-0.02	0.0	0.0	-9728.25	-6.73	580.82	-358.05	-5.767e+04	1.753e+04
		1.537e+04	-5.767e+04	-6.74e-03	0.0	320.0	-8728.25	-6.73	580.82	-358.05	1.282e+05	1.537e+04
130	104	1.818e+04	1.283e+05	-0.02	0.0	0.0	-9726.14	-8.93	581.62	-367.28	-5.783e+04	1.818e+04
		1.532e+04	-5.783e+04	-6.94e-03	0.0	320.0	-8726.14	-8.93	581.62	-367.28	1.283e+05	1.532e+04
130	105	1.724e+04	1.239e+05	-0.02	0.0	0.0	-9440.77	-5.89	561.40	-355.10	-5.573e+04	1.724e+04
		1.536e+04	-5.573e+04	-6.53e-03	0.0	320.0	-8440.77	-5.89	561.40	-355.10	1.239e+05	1.536e+04
130	106	1.789e+04	1.240e+05	-0.02	0.0	0.0	-9438.66	-8.08	562.20	-364.33	-5.588e+04	1.789e+04
		1.531e+04	-5.588e+04	-6.73e-03	0.0	320.0	-8438.66	-8.08	562.20	-364.33	1.240e+05	1.531e+04
132	5	1.675e+04	8480.63	9.05e-03	0.0	0.0	-7721.69	115.60	51.65	-246.96	-1.270e+04	5.3065e+04
		-3.065e+04	-1.270e+04	-3.52e-03	-8.33e-04	410.0	-6696.69	115.60	51.65	-246.96	8480.63	1.675e+04
132	9	2.358e+04	1.597e+04	0.02	0.0	0.0	-1.218e+04	178.98	92.51	-349.20	-2.196e+04	-4.980e+04
		-4.980e+04	-2.196e+04	-5.48e-03	-1.08e-03	410.0	-1.085e+04	178.98	92.51	-349.20	1.597e+04	2.358e+04
132	11	2.367e+04	1.283e+04	0.02	0.0	0.0	-1.225e+04	179.65	79.65	-370.44	-1.983e+04	-4.999e+04
		-4.999e+04	-1.983e+04	-6.98e-03	-1.08e-03	410.0	-1.091e+04	179.65	79.65	-370.44	1.283e+04	2.367e+04
132	18	2.760e+04	1.147e+04	0.01	0.0	0.0	-1.165e+04	187.04	72.97	-366.22	-1.845e+04	-4.908e+04
		-4.908e+04	-1.845e+04	-7.03e-03	-1.08e-03	410.0	-1.031e+04	187.04	72.97	-366.22	1.147e+04	2.760e+04
132	37	1.428e+04	3.208e+05	-0.08	0.0	0.0	-6790.98	140.90	1532.64	1720.10	-3.076e+05	-5.068e+04
		-5.068e+04	-3.076e+05	-0.24	-8.33e-04	410.0	-5765.98	140.90	1532.64	1720.10	3.208e+05	1.428e+04
132	44	2.284e+04	1.241e+05	0.23	0.0	0.0	-9333.32	2.61	-642.66	-8994.41	1.241e+05	2.284e+04
		2.201e+04	-1.405e+05	6.58e-03	-8.33e-04	410.0	-8308.32	2.61	-642.66	-8994.41	-1.405e+05	2.201e+04
132	45	1.178e+04	1.565e+05	-0.24	0.0	0.0	-6503.11	233.51	742.90	8491.41	-1.492e+05	-8.586e+04
		-8.586e+04	-1.492e+05	-0.01	-8.33e-04	410.0	-5478.11	233.51	742.90	8491.41	1.565e+05	1.178e+04
132	52	2.033e+04	1.615e+05	0.23	0.0	0.0	-9712.50	5.35	-862.11	-2755.59	1.615e+05	2.023e+04
		2.023e+04	-1.921e+05	0.09	-8.33e-04	410.0	-8687.50	5.35	-862.11	-2755.59	-1.921e+05	2.033e+04
132	53	1.345e+04	2.081e+05	-0.24	0.0	0.0	-6123.93	230.77	962.34	2252.59	-1.865e+05	-8.325e+04
		-8.325e+04	-1.865e+05	-0.09	-8.33e-04	410.0	-5098.93	230.77	962.34	2252.59	2.081e+05	1.345e+04
132	69	1.566e+04	1.821e+05	-0.05	0.0	0.0	-7308.19	132.82	874.62	788.42	-1.765e+05	-4.256e+04
		-4.256e+04	-1.765e+05	-0.13	-8.33e-04	410.0	-6283.19	132.82	874.62	788.42	1.821e+05	1.566e+04

132	76	1.937e+04	6.870e+04	0.13	0.0	0.0	-8766.50	48.93	-364.39	-4909.31	6.870e+04	305.06
		305.06	-8.128e+04	4.15e-03	-8.33e-04	410.0	-7741.50	48.93	-364.39	-4909.31	-8.128e+04	1.937e+04
132	77	1.449e+04	9.669e+04	-0.14	0.0	0.0	-7081.24	187.54	462.17	4394.65	-9.339e+04	-6.339e+04
		-6.339e+04	-9.339e+04	-9.90e-03	-8.33e-04	410.0	-6056.24	187.54	462.17	4394.65	9.669e+04	1.449e+04
132	84	1.845e+04	8.926e+04	0.13	0.0	0.0	-8975.21	50.44	-485.12	-1475.06	8.926e+04	-1131.80
		-1131.80	-1.097e+05	0.05	-8.33e-04	410.0	-7950.21	50.44	-485.12	-1475.06	-1.097e+05	1.845e+04
132	85	1.541e+04	1.251e+05	-0.14	0.0	0.0	-6872.53	186.03	582.91	960.40	-1.139e+05	-6.196e+04
		-6.196e+04	-1.139e+05	-0.05	-8.33e-04	410.0	-5847.53	186.03	582.91	960.40	1.251e+05	1.541e+04
132	87	1.691e+04	8600.41	9.42e-03	0.0	0.0	-7905.60	118.04	52.57	-251.26	-1.295e+04	-3.149e+04
		-3.149e+04	-1.295e+04	-3.73e-03	-8.33e-04	410.0	-6880.60	118.04	52.57	-251.26	8600.41	1.691e+04
132	88	1.693e+04	7701.95	9.42e-03	0.0	0.0	-7923.87	118.23	48.89	-257.33	-1.234e+04	-3.154e+04
		-3.154e+04	-1.234e+04	-4.16e-03	-8.33e-04	410.0	-6898.87	118.23	48.89	-257.33	7701.95	1.693e+04
132	89	1.691e+04	8600.41	9.42e-03	0.0	0.0	-7905.60	118.04	52.57	-251.26	-1.295e+04	-3.149e+04
		-3.149e+04	-1.295e+04	-3.73e-03	-8.33e-04	410.0	-6880.60	118.04	52.57	-251.26	8600.41	1.691e+04
132	93	1.787e+04	1.171e+04	0.01	0.0	0.0	-9053.48	133.43	68.07	-263.44	-1.619e+04	-3.684e+04
		-3.684e+04	-1.619e+04	-4.01e-03	-8.33e-04	410.0	-8028.48	133.43	68.07	-263.44	1.171e+04	1.787e+04
132	95	1.793e+04	9618.59	0.01	0.0	0.0	-9096.12	133.88	59.50	-277.59	-1.478e+04	-3.696e+04
		-3.696e+04	-1.478e+04	-5.01e-03	-8.33e-04	410.0	-8071.12	133.88	59.50	-277.59	9618.59	1.793e+04
132	99	2.055e+04	8713.81	0.01	0.0	0.0	-8695.95	138.81	55.05	-274.78	-1.386e+04	-3.636e+04
		-3.636e+04	-1.386e+04	-5.04e-03	-8.33e-04	410.0	-7670.95	138.81	55.05	-274.78	8713.81	2.055e+04
132	100	1.691e+04	8600.41	9.42e-03	0.0	0.0	-7905.60	118.04	52.57	-251.26	-1.295e+04	-3.149e+04
		-3.149e+04	-1.295e+04	-3.73e-03	-8.33e-04	410.0	-6880.60	118.04	52.57	-251.26	8600.41	1.691e+04
132	102	1.710e+04	9223.33	9.92e-03	0.0	0.0	-8135.18	121.12	55.67	-253.70	-1.360e+04	-3.256e+04
		-3.256e+04	-1.360e+04	-3.79e-03	-8.33e-04	410.0	-7110.18	121.12	55.67	-253.70	9223.33	1.710e+04
132	104	1.712e+04	8324.87	9.91e-03	0.0	0.0	-8153.45	121.31	51.99	-259.76	-1.299e+04	-3.261e+04
		-3.261e+04	-1.299e+04	-4.21e-03	-8.33e-04	410.0	-7128.45	121.31	51.99	-259.76	8324.87	1.712e+04
132	105	1.691e+04	8600.41	9.42e-03	0.0	0.0	-7905.60	118.04	52.57	-251.26	-1.295e+04	-3.149e+04
		-3.149e+04	-1.295e+04	-3.73e-03	-8.33e-04	410.0	-6880.60	118.04	52.57	-251.26	8600.41	1.691e+04
132	106	1.693e+04	7701.95	9.42e-03	0.0	0.0	-7923.87	118.23	48.89	-257.33	-1.234e+04	-3.154e+04
		-3.154e+04	-1.234e+04	-4.16e-03	-8.33e-04	410.0	-6898.87	118.23	48.89	-257.33	7701.95	1.693e+04
133	5	1.835e+04	1.080e+04	0.01	0.0	0.0	-9166.62	135.89	-143.36	-251.38	1.080e+04	-3.736e+04
		-3.736e+04	-4.798e+04	7.28e-03	-1.25e-03	410.0	-8141.62	135.89	-143.36	-251.38	-4.798e+04	1.835e+04
133	9	2.470e+04	1.769e+04	0.03	0.0	0.0	-1.457e+04	208.80	-233.76	-358.40	1.769e+04	-6.091e+04
		-6.091e+04	-7.815e+04	0.01	-1.62e-03	410.0	-1.324e+04	208.80	-233.76	-358.40	-7.815e+04	2.470e+04
133	11	2.469e+04	1.626e+04	0.03	0.0	0.0	-1.457e+04	208.75	-226.40	-378.92	1.626e+04	-6.090e+04
		-6.090e+04	-7.657e+04	0.01	-1.62e-03	410.0	-1.324e+04	208.75	-226.40	-378.92	-7.657e+04	2.469e+04
133	16	3.061e+04	1.626e+04	0.02	0.0	0.0	-1.382e+04	221.03	-217.76	-353.44	1.626e+04	-6.001e+04
		-6.001e+04	-7.302e+04	0.01	-1.62e-03	410.0	-1.249e+04	221.03	-217.76	-353.44	-7.302e+04	3.061e+04
133	31	1.902e+04	2.856e+05	-0.07	0.0	0.0	-9208.97	188.65	-1489.68	782.39	2.856e+05	-5.807e+04
		-5.807e+04	-3.252e+05	0.25	-1.25e-03	410.0	-8183.97	188.65	-1489.68	782.39	-3.252e+05	1.902e+04
133	32	1.646e+04	2.478e+05	0.14	0.0	0.0	-9100.63	41.12	-1310.90	-4148.05	2.478e+05	-145.00
		-145.00	-2.897e+05	0.21	-1.25e-03	410.0	-8075.63	41.12	-1310.90	-4148.05	-2.897e+05	1.646e+04
133	33	2.038e+04	1.920e+05	-0.14	0.0	0.0	-9673.69	235.91	1020.76	3610.49	-2.265e+05	-7.660e+04
		-7.660e+04	-2.265e+05	-0.22	-1.25e-03	410.0	-8648.69	235.91	1020.76	3610.49	1.920e+05	2.038e+04
133	39	2.247e+04	1.494e+05	-0.37	0.0	0.0	-9502.75	394.38	-814.18	8689.20	1.494e+05	-1.389e+05
		-1.389e+05	-1.845e+05	0.14	-1.25e-03	410.0	-8477.75	394.38	-814.19	8689.20	-1.845e+05	2.247e+04
133	42	6.208e+04	8.682e+04	0.37	0.0	0.0	-9271.81	-117.29	523.92	-9208.97	-1.280e+05	6.208e+04
		1.436e+04	1.280e+05	-0.14	-1.25e-03	410.0	-8246.81	-117.29	523.91	-9208.97	8.682e+04	1.436e+04
133	63	1.881e+04	1.612e+05	-0.04	0.0	0.0	-9295.87	167.20	-881.04	225.59	1.612e+05	-4.961e+04
		-4.961e+04	-2.000e+05	0.14	-1.25e-03	410.0	-8270.87	167.20	-881.04	225.59	-2.000e+05	1.881e+04
133	64	1.731e+04	1.417e+05	0.08	0.0	0.0	-9234.45	83.90	-789.30	-2313.63	1.417e+05	-1.696e+04
		-1.696e+04	-1.819e+05	0.11	-1.25e-03	410.0	-8209.45	83.90	-789.31	-2313.63	-1.819e+05	1.731e+04
133	65	1.953e+04	8.454e+04	-0.08	0.0	0.0	-9540.19	193.18	500.28	1790.11	-1.206e+05	-5.981e+04
		-5.981e+04	-1.206e+05	-0.12	-1.25e-03	410.0	-8515.19	193.18	500.28	1790.11	8.454e+04	1.953e+04
133	71	2.080e+04	8.469e+04	-0.21	0.0	0.0	-9455.10	282.84	-501.59	4371.39	8.469e+04	-9.497e+04
		-9.497e+04	-1.210e+05	0.07	-1.25e-03	410.0	-8430.10	282.84	-501.59	4371.39	-1.210e+05	2.080e+04
133	73	2.104e+04	1409.78	-0.19	0.0	0.0	-9524.25	271.90	-93.22	3569.16	1409.78	-9.066e+04
		-9.066e+04	-3.683e+04	-5.96e-03	-1.25e-03	410.0	-8499.25	271.90	-93.22	3569.16	-3.683e+04	2.104e+04
133	87	1.842e+04	1.097e+04	0.01	0.0	0.0	-9387.22	138.55	-146.62	-255.90	1.097e+04	-3.838e+04
		-3.838e+04	-4.914e+04	7.39e-03	-1.25e-03	410.0	-8362.22	138.55	-146.62	-255.90	-4.914e+04	1.842e+04
133	88	1.842e+04	1.056e+04	0.01	0.0	0.0	-9387.32	138.54	-144.51	-261.76	1.056e+04	-3.838e+04
		-3.838e+04	-4.869e+04	7.10e-03	-1.25e-03	410.0	-8362.32	138.54	-144.51	-261.76	-4.869e+04	1.842e+04
133	89	1.842e+04	1.097e+04	0.01	0.0	0.0	-9387.22	138.55	-146.62	-255.90	1.097e+04	-3.838e+04
		-3.838e+04	-4.914e+04	7.39e-03	-1.25e-03	410.0	-8362.22	138.55	-146.62	-255.90	-4.914e+04	1.842e+04
133	93	1.888e+04	1.314e+04	0.02	0.0	0.0	-1.082e+04	155.90	-173.22	-270.04	1.314e+04	-4.504e+04
		-4.504e+04	-5.788e+04	8.88e-03	-1.25e-03	410.0	-9795.81	155.90	-173.22	-270.04	-5.788e+04	1.888e+04
133	95	1.887e+04	1.219e+04	0.02	0.0	0.0	-1.082e+04	155.87	-168.31	-283.72	1.219e+04	-4.504e+04
		-4.504e+04	-5.682e+04	8.22e-03	-1.25e-03	410.0	-9796.06	155.87	-168.32	-283.72	-5.682e+04	1.887e+04
133	97	2.282e+04	1.219e+04	0.02	0.0	0.0	-1.032e+04	164.05	-162.55	-266.73	1.219e+04	-4.444e+04
		-4.444e+04	-5.446e+04	8.24e-03	-1.25e-03	410.0	-9294.38	164.05	-162.55	-266.73	-5.446e+04	2.282e+04
133	100	1.842e+04	1.097e+04	0.01	0.0	0.0	-9387.22	138.55	-146.62	-255.90	1.097e+04	-3.838e+04
		-3.838e+04	-4.914e+04	7.39e-03	-1.25e-03	410.0	-8362.22	138.55	-146.62	-255.90	-4.914e+04	1.842e+04
133	102	1.851e+04	1.141e+04	0.02	0.0	0.0	-9673.94	142.02	-151.94	-258.73	1.141e+04	-3.972e+04
		-3.972e+04	-5.089e+04	7.69e-03	-1.25e-03	410.0	-8648.94	142.02	-151.94	-258.73	-5.089e+04	1.851e+04
133	104	1.851e+04	1.100e+04	0.02	0.0	0.0	-9674.04	142.01	-149.83	-264.59	1.100e+04	-3.971e+04
		-3.971e+04	-5.044e+04	7.40e-03	-1.25e-03	410.0	-8649.04	142.01	-149.84	-264.59	-5.044e+04	1.851e+04
133	105	1.842e+04	1.097e+04	0.01	0.0	0.0	-9387.22	138.55	-146.62	-255.90	1.097e+04	-3.838e+04
		-3.838e+04	-4.914e+04	7.39e-03	-1.25e-03	410.0	-8362.22	138.55	-146.62	-255.90	-4.914e+04	1.842e+04
133	106	1.842e+04	1.056e+04	0.01	0.0	0.0	-9387.32	138.54	-144.51	-261.76	1.056e+04	-3.838e+04
		-3.838e+04	-4.869e+04	7.10e-03	-1.25e-03	410.0	-8362.32	138.54	-144.51	-261.76	-4.869e+04	1.842e+04

134	7	2.180e+04	9.731e+04	0.01	0.0	0.0	-1.051e+04	152.41	297.55	-277.01	-2.469e+04	-4.068e+04
		-4.068e+04	-2.469e+04	-0.02	0.0	410.0	-9487.74	152.41	297.55	-277.01	9.731e+04	2.180e+04
134	9	3.104e+04	1.523e+05	0.03	0.0	0.0	-1.671e+04	238.31	459.46	-354.28	-3.608e+04	-6.667e+04
		-6.667e+04	-3.608e+04	-0.03	0.0	410.0	-1.538e+04	238.31	459.46	-354.28	1.523e+05	3.104e+04
134	11	3.102e+04	1.539e+05	0.03	0.0	0.0	-1.671e+04	238.11	466.75	-374.43	-3.750e+04	-6.661e+04
		-6.661e+04	-3.750e+04	-0.03	0.0	410.0	-1.538e+04	238.11	466.75	-374.43	1.539e+05	3.102e+04
134	16	3.577e+04	1.447e+05	0.02	0.0	0.0	-1.586e+04	246.09	437.35	-348.82	-3.457e+04	-6.513e+04
		-6.513e+04	-3.457e+04	-0.03	0.0	410.0	-1.453e+04	246.09	437.35	-348.82	1.447e+05	3.577e+04
134	34	1.955e+04	3.920e+05	0.08	0.0	0.0	-1.087e+04	105.15	1697.17	-1189.99	-3.039e+05	-2.200e+04
		-2.200e+04	-3.039e+05	-0.26	0.0	410.0	-9847.51	105.15	1697.17	-1189.99	3.920e+05	1.955e+04
134	39	2.794e+04	1.365e+05	-0.42	0.0	0.0	-9869.53	440.22	-565.29	7989.38	1.365e+05	-1.527e+05
		-1.527e+05	-9.557e+04	0.13	0.0	410.0	-8844.53	440.22	-565.29	7989.38	-9.557e+04	2.794e+04
134	40	5.843e+04	1.382e+05	0.39	0.0	0.0	-1.181e+04	-101.35	416.78	-7105.57	-3.288e+04	5.843e+04
		1.681e+04	3.288e+04	-0.03	0.0	410.0	-1.079e+04	-101.35	416.78	-7105.57	1.382e+05	1.681e+04
134	41	2.728e+04	5.759e+04	-0.38	0.0	0.0	-9721.02	413.25	176.04	6592.31	-1.434e+04	-1.422e+05
		-1.422e+05	-1.434e+04	-0.01	0.0	410.0	-8696.02	413.25	176.04	6592.31	5.759e+04	2.728e+04
134	42	6.887e+04	2.914e+05	0.43	0.0	0.0	-1.166e+04	-128.32	1158.11	-8502.65	-1.837e+05	6.887e+04
		1.614e+04	-1.837e+05	-0.15	0.0	410.0	-1.064e+04	-128.32	1158.11	-8502.65	2.914e+05	1.614e+04
134	66	2.068e+04	2.590e+05	0.05	0.0	0.0	-1.082e+04	127.64	1063.93	-666.75	-1.772e+05	-3.079e+04
		-3.079e+04	-1.772e+05	-0.15	0.0	410.0	-9798.38	127.64	1063.93	-666.75	2.590e+05	2.068e+04
134	71	2.528e+04	6.188e+04	-0.23	0.0	0.0	-1.028e+04	313.72	-164.45	3956.01	6.188e+04	-1.034e+05
		-1.034e+05	-5682.45	0.07	0.0	410.0	-9253.82	313.72	-164.45	3956.01	-5682.45	2.528e+04
134	72	1.917e+04	1.175e+05	0.22	0.0	0.0	-1.133e+04	12.93	350.64	-3707.18	-2.638e+04	-1.390e+04
		1.390e+04	-2.638e+04	-0.02	0.0	410.0	-1.031e+04	12.93	350.64	-3707.18	1.175e+05	1.917e+04
134	73	2.491e+04	7.860e+04	-0.21	0.0	0.0	-1.020e+04	298.91	243.45	3190.24	-2.109e+04	-9.767e+04
		-9.767e+04	-2.109e+04	-0.02	0.0	410.0	-9172.48	298.91	243.45	3190.24	7.860e+04	2.491e+04
134	87	2.205e+04	9.761e+04	0.02	0.0	0.0	-1.077e+04	155.98	294.97	-252.71	-2.333e+04	-4.190e+04
		-4.190e+04	-2.333e+04	-0.02	0.0	410.0	-9740.98	155.98	294.97	-252.71	9.761e+04	2.205e+04
134	88	2.204e+04	9.805e+04	0.02	0.0	0.0	-1.077e+04	155.92	297.05	-258.47	-2.374e+04	-4.188e+04
		-4.188e+04	-2.374e+04	-0.02	0.0	410.0	-9740.92	155.92	297.05	-258.47	9.805e+04	2.204e+04
134	91	2.203e+04	9.909e+04	0.02	0.0	0.0	-1.077e+04	155.79	301.91	-271.90	-2.469e+04	-4.184e+04
		-4.184e+04	-2.469e+04	-0.02	0.0	410.0	-9740.77	155.79	301.91	-271.90	9.909e+04	2.203e+04
134	93	2.348e+04	1.129e+05	0.02	0.0	0.0	-1.241e+04	177.48	340.42	-266.89	-2.671e+04	-4.928e+04
		-4.928e+04	-2.671e+04	-0.02	0.0	410.0	-1.139e+04	177.48	340.42	-266.89	1.129e+05	2.348e+04
134	95	2.347e+04	1.139e+05	0.02	0.0	0.0	-1.241e+04	177.35	345.28	-280.33	-2.766e+04	-4.924e+04
		-4.924e+04	-2.766e+04	-0.03	0.0	410.0	-1.139e+04	177.35	345.28	-280.33	1.139e+05	2.347e+04
134	97	2.664e+04	1.078e+05	0.02	0.0	0.0	-1.184e+04	182.67	325.68	-263.25	-2.570e+04	-4.826e+04
		-4.826e+04	-2.570e+04	-0.02	0.0	410.0	-1.082e+04	182.67	325.68	-263.25	1.078e+05	2.664e+04
134	101	2.204e+04	9.835e+04	0.02	0.0	0.0	-1.077e+04	155.88	298.44	-262.31	-2.401e+04	-4.187e+04
		-4.187e+04	-2.401e+04	-0.02	0.0	410.0	-9740.88	155.88	298.44	-262.31	9.835e+04	2.204e+04
134	102	2.234e+04	1.007e+05	0.02	0.0	0.0	-1.109e+04	160.28	304.06	-255.55	-2.400e+04	-4.338e+04
		-4.338e+04	-2.400e+04	-0.02	0.0	410.0	-1.007e+04	160.28	304.06	-255.55	1.007e+05	2.234e+04
134	104	2.233e+04	1.011e+05	0.02	0.0	0.0	-1.109e+04	160.22	306.14	-261.31	-2.441e+04	-4.336e+04
		-4.336e+04	-2.441e+04	-0.02	0.0	410.0	-1.007e+04	160.22	306.14	-261.31	1.011e+05	2.233e+04
134	105	2.205e+04	9.761e+04	0.02	0.0	0.0	-1.077e+04	155.98	294.97	-252.71	-2.333e+04	-4.190e+04
		-4.190e+04	-2.333e+04	-0.02	0.0	410.0	-9740.98	155.98	294.97	-252.71	9.761e+04	2.205e+04
134	106	2.204e+04	9.805e+04	0.02	0.0	0.0	-1.077e+04	155.92	297.05	-258.47	-2.374e+04	-4.188e+04
		-4.188e+04	-2.374e+04	-0.02	0.0	410.0	-9740.92	155.92	297.05	-258.47	9.805e+04	2.204e+04
135	7	-1.404e+04	5.906e+04	-0.01	0.0	0.0	-9535.29	12.04	-598.53	-606.14	5.906e+04	-1.789e+04
		-1.789e+04	-1.325e+05	6.99e-03	0.0	320.0	-8535.29	12.04	-598.53	-606.14	-1.325e+05	-1.404e+04
135	9	-1.931e+04	1.005e+05	-0.01	0.0	0.0	-1.519e+04	7.77	-1000.82	-759.47	1.005e+05	-2.180e+04
		-2.180e+04	-2.197e+05	0.01	0.0	320.0	-1.389e+04	7.77	-1000.82	-759.47	-2.197e+05	-1.931e+04
135	16	-1.902e+04	9.584e+04	-0.01	0.0	0.0	-1.440e+04	-17.40	-948.27	-741.91	9.584e+04	-1.902e+04
		-2.459e+04	-2.076e+05	0.01	0.0	320.0	-1.310e+04	-17.40	-948.27	-741.91	-2.076e+05	-2.459e+04
135	19	-1.276e+04	6.620e+04	-0.01	0.0	0.0	-9875.13	-22.56	-648.94	-536.27	6.620e+04	-1.276e+04
		-1.998e+04	-1.415e+05	8.08e-03	0.0	320.0	-8875.13	-22.56	-648.94	-536.27	-1.415e+05	-1.998e+04
135	28	-8636.36	8.218e+05	0.09	0.0	0.0	-8062.93	-4.65	-4825.55	682.08	8.218e+05	-1.341e+04
		-1.341e+04	-7.223e+05	0.21	0.0	320.0	-7062.93	-4.65	-4825.55	682.08	-7.223e+05	-8636.36
135	29	-1.362e+04	4.458e+05	-0.11	0.0	0.0	-1.148e+04	-2.26	3567.26	-1766.77	-6.956e+05	-1.362e+04
		-2.061e+04	-6.956e+05	-0.21	0.0	320.0	-1.048e+04	-2.26	3567.26	-1766.77	4.458e+05	-2.061e+04
135	32	-1.030e+04	8.972e+05	0.01	0.0	0.0	-8074.94	-2.51	-5260.03	-3880.93	8.972e+05	-1.030e+04
		-1.305e+04	-7.862e+05	0.24	0.0	320.0	-7074.94	-2.51	-5260.03	-3880.93	-7.862e+05	-1.305e+04
135	47	1777.55	3.059e+05	-0.20	0.0	0.0	-1.029e+04	-43.41	-2016.18	2430.08	3.059e+05	1777.55
		-2.398e+04	-3.401e+05	0.06	0.0	320.0	-9288.96	-43.41	-2016.18	2430.08	-3.401e+05	-2.398e+04
135	49	67.34	1.460e+04	-0.22	0.0	0.0	-1.114e+04	-39.15	521.69	1268.19	-1.516e+05	67.34
		-2.581e+04	-1.516e+05	-0.06	0.0	320.0	-1.014e+04	-39.15	521.69	1268.19	1.460e+04	-2.581e+04
135	64	-1.197e+04	5.196e+05	9.04e-03	0.0	0.0	-8861.22	6.43	-3163.86	-2265.38	5.196e+05	-1.586e+04
		-1.586e+04	-4.929e+05	0.13	0.0	320.0	-7861.22	6.43	-3163.86	-2265.38	-4.929e+05	-1.197e+04
135	68	-1.142e+04	4.903e+05	0.02	0.0	0.0	-8858.23	6.23	-2992.67	-1462.39	4.903e+05	-1.634e+04
		-1.634e+04	-4.672e+05	0.12	0.0	320.0	-7858.23	6.23	-2992.67	-1462.39	-4.672e+05	-1.142e+04
135	69	-1.519e+04	1.901e+05	-0.04	0.0	0.0	-1.068e+04	2.28	1729.24	348.13	-3.632e+05	-1.519e+04
		-1.739e+04	-3.632e+05	-0.12	0.0	320.0	-9682.26	2.28	1729.24	348.13	1.901e+05	-1.739e+04
135	80	-8242.17	1.748e+05	0.11	0.0	0.0	-9039.00	18.58	-1228.13	-1126.21	1.748e+05	-2.151e+04
		-2.151e+04	-2.178e+05	0.04	0.0	320.0	-8039.00	18.58	-1228.13	-1126.21	-2.178e+05	-8242.17
135	82	-9225.72	-2.289e+04	0.10	0.0	0.0	-9495.56	20.68	166.33	-1766.55	-7.654e+04	-2.244e+04
		-2.244e+04	-7.654e+04	-0.03	0.0	320.0	-8495.56	20.68	166.33	-1766.55	-2.289e+04	-9225.72
135	87	-1.449e+04	6.441e+04	-0.01	0.0	0.0	-9771.25	1.98	-636.40	-542.26	6.441e+04	-1.512e+04
		-1.512e+04	-1.392e+05	7.99e-03	0.0	320.0	-8771.25	1.98	-636.40	-542.26	-1.392e+05	-1.512e+04
135	88	-1.440e+04	6.359e+04	-0.01	0.0	0.0	-9770.25	4.25	-631.71	-557.13	6.359e+04	-1.576e+04
		-1.576e+04	-1.386e+05	7.81e-03	0.0	320.0	-8770.25	4.25	-631.71	-557.13	-1.386e+05	-1.440e+04

135	91	-1.420e+04	6.168e+04	-0.01	0.0	0.0	-9767.91	9.56	-620.78	-591.82	6.168e+04	-1.726e+04
		-1.726e+04	-1.370e+05	7.39e-03	0.0	320.0	-8767.91	9.56	-620.78	-591.82	-1.370e+05	-1.420e+04
135	93	-1.480e+04	7.478e+04	-0.01	0.0	0.0	-1.128e+04	4.58	-742.44	-571.63	7.478e+04	-1.626e+04
		-1.626e+04	-1.628e+05	9.14e-03	0.0	320.0	-1.028e+04	4.58	-742.44	-571.63	-1.628e+05	-1.480e+04
135	96	-1.384e+04	6.645e+04	-0.01	0.0	0.0	-9994.47	-13.51	-654.38	-545.24	6.645e+04	-1.384e+04
		-1.816e+04	-1.430e+05	8.12e-03	0.0	320.0	-8994.47	-13.51	-654.38	-545.24	-1.430e+05	-1.816e+04
135	97	-1.441e+04	7.163e+04	-0.01	0.0	0.0	-1.075e+04	-12.21	-707.40	-559.93	7.163e+04	-1.441e+04
		-1.831e+04	-1.547e+05	8.70e-03	0.0	320.0	-9746.37	-12.21	-707.40	-559.93	-1.547e+05	-1.831e+04
135	101	-1.434e+04	6.305e+04	-0.01	0.0	0.0	-9769.58	5.77	-628.59	-567.04	6.305e+04	-1.619e+04
		-1.619e+04	-1.392e+05	7.69e-03	0.0	320.0	-8769.58	5.77	-628.59	-567.04	-1.392e+05	-1.619e+04
135	102	-1.455e+04	6.648e+04	-0.01	0.0	0.0	-1.007e+04	2.50	-657.60	-548.13	6.648e+04	-1.535e+04
		-1.535e+04	-1.440e+05	8.22e-03	0.0	320.0	-9072.01	2.50	-657.60	-548.13	-1.440e+05	-1.535e+04
135	105	-1.449e+04	6.441e+04	-0.01	0.0	0.0	-9771.25	1.98	-636.40	-542.26	6.441e+04	-1.512e+04
		-1.512e+04	-1.392e+05	7.99e-03	0.0	320.0	-8771.25	1.98	-636.40	-542.26	-1.392e+05	-1.512e+04
135	106	-1.440e+04	6.359e+04	-0.01	0.0	0.0	-9770.25	4.25	-631.71	-557.13	6.359e+04	-1.576e+04
		-1.576e+04	-1.386e+05	7.81e-03	0.0	320.0	-8770.25	4.25	-631.71	-557.13	-1.386e+05	-1.440e+04
136	7	3.699e+04	5.089e+04	-0.01	0.0	0.0	-9413.19	-137.07	159.08	-278.23	-1.433e+04	3.699e+04
		-1.921e+04	-1.433e+04	-0.01	1.25e-03	410.0	-8388.19	-137.07	159.08	-278.23	5.089e+04	-1.921e+04
136	9	6.052e+04	8.040e+04	-0.03	0.0	0.0	-1.499e+04	-212.09	248.48	-354.78	-2.148e+04	6.052e+04
		-2.643e+04	-2.148e+04	-0.02	1.63e-03	410.0	-1.366e+04	-212.09	248.48	-354.78	8.040e+04	-2.643e+04
136	11	6.046e+04	8.183e+04	-0.03	0.0	0.0	-1.498e+04	-211.84	255.03	-375.25	-2.273e+04	6.046e+04
		-2.640e+04	-2.273e+04	-0.02	1.63e-03	410.0	-1.365e+04	-211.84	255.03	-375.25	8.183e+04	-2.640e+04
136	16	5.952e+04	7.573e+04	-0.02	0.0	0.0	-1.423e+04	-222.96	233.96	-350.24	-2.019e+04	5.952e+04
		-3.189e+04	-2.019e+04	-0.01	1.63e-03	410.0	-1.290e+04	-222.96	233.96	-350.24	7.573e+04	-3.189e+04
136	28	6.353e+04	2.432e+05	0.04	0.0	0.0	-9890.82	-204.38	-1095.55	1397.69	2.432e+05	6.353e+04
		-2.129e+04	-2.060e+05	0.23	1.25e-03	410.0	-8865.82	-204.38	-1095.55	1397.69	-2.060e+05	-2.129e+04
136	29	1.261e+04	3.072e+05	-0.05	0.0	0.0	-9418.17	-75.76	1406.90	-1929.36	-2.697e+05	1.261e+04
		-1.743e+04	-2.697e+05	-0.23	1.25e-03	410.0	-8393.17	-75.76	1406.90	-1929.36	3.072e+05	-1.743e+04
136	33	9350.35	3.320e+05	-0.11	0.0	0.0	-9424.69	-68.30	1524.61	3690.24	-2.931e+05	9350.35
		-1.778e+04	-2.931e+05	-0.26	1.25e-03	410.0	-8399.69	-68.30	1524.61	3690.24	3.320e+05	-1.778e+04
136	40	1.170e+05	1.312e+05	0.27	0.0	0.0	-9848.15	-337.02	-558.60	-8013.65	1.312e+05	1.170e+05
		-2.191e+04	-9.784e+04	0.14	1.25e-03	410.0	-8823.15	-337.02	-558.60	-8013.65	-9.784e+04	-2.191e+04
136	41	-1.681e+04	1.992e+05	-0.28	0.0	0.0	-9462.65	56.84	870.95	7500.14	-1.579e+05	-1.681e+04
		-4.080e+04	-1.579e+05	-0.14	1.25e-03	410.0	-8437.65	56.84	870.95	7500.14	1.992e+05	-4.080e+04
136	60	5.269e+04	1.272e+05	0.03	0.0	0.0	-9783.89	-177.19	-529.26	720.32	1.272e+05	5.269e+04
		-2.052e+04	-8.987e+04	0.12	1.25e-03	410.0	-8758.89	-177.19	-529.26	720.32	-8.987e+04	-2.052e+04
136	61	2.347e+04	1.914e+05	-0.03	0.0	0.0	-9524.43	-103.03	842.58	-1238.93	-1.540e+05	2.347e+04
		-1.821e+04	-1.540e+05	-0.12	1.25e-03	410.0	-8499.43	-103.03	842.58	-1238.93	1.914e+05	-1.821e+04
136	65	2.169e+04	2.051e+05	-0.06	0.0	0.0	-9527.69	-98.96	907.45	1853.14	-1.669e+05	2.169e+04
		-1.841e+04	-1.669e+05	-0.14	1.25e-03	410.0	-8502.69	-98.96	907.45	1853.14	2.051e+05	-1.841e+04
136	72	8.350e+04	6.435e+04	0.16	0.0	0.0	-9766.93	-254.20	-227.84	-4300.44	6.435e+04	8.350e+04
		-2.109e+04	-2.908e+04	0.08	1.25e-03	410.0	-8741.93	-254.20	-227.84	-4300.44	-2.908e+04	-2.109e+04
136	80	7.575e+04	3.460e+04	0.13	0.0	0.0	-9776.17	-236.82	-75.62	-1005.00	3.460e+04	7.575e+04
		-2.154e+04	3503.33	0.04	1.25e-03	410.0	-8751.17	-236.82	-75.62	-1005.00	3503.33	-2.154e+04
136	87	3.810e+04	5.038e+04	-0.01	0.0	0.0	-9658.06	-140.18	154.79	-253.45	-1.308e+04	3.810e+04
		-1.938e+04	-1.308e+04	-9.48e-03	1.25e-03	410.0	-8633.06	-140.18	154.79	-253.45	5.038e+04	-1.938e+04
136	88	3.808e+04	5.079e+04	-0.01	0.0	0.0	-9654.16	-140.11	156.66	-259.30	-1.344e+04	3.808e+04
		-1.936e+04	-1.344e+04	-9.72e-03	1.25e-03	410.0	-8629.16	-140.11	156.66	-259.30	5.079e+04	-1.936e+04
136	91	3.804e+04	5.175e+04	-0.01	0.0	0.0	-9645.06	-139.94	161.03	-272.95	-1.428e+04	3.804e+04
		-1.934e+04	-1.428e+04	-0.01	1.25e-03	410.0	-8620.06	-139.94	161.03	-272.95	5.175e+04	-1.934e+04
136	93	4.475e+04	5.929e+04	-0.02	0.0	0.0	-1.113e+04	-158.25	182.91	-267.33	-1.570e+04	4.475e+04
		-2.013e+04	-1.570e+04	-0.01	1.25e-03	410.0	-1.011e+04	-158.25	182.91	-267.33	5.929e+04	-2.013e+04
136	95	4.471e+04	6.025e+04	-0.02	0.0	0.0	-1.112e+04	-158.08	187.28	-280.98	-1.653e+04	4.471e+04
		-2.011e+04	-1.653e+04	-0.01	1.25e-03	410.0	-1.010e+04	-158.08	187.28	-280.98	6.025e+04	-2.011e+04
136	97	4.408e+04	5.618e+04	-0.02	0.0	0.0	-1.062e+04	-165.50	173.23	-264.31	-1.484e+04	4.408e+04
		-2.377e+04	-1.484e+04	-0.01	1.25e-03	410.0	-9598.12	-165.50	173.23	-264.31	5.618e+04	-2.377e+04
136	101	3.807e+04	5.106e+04	-0.01	0.0	0.0	-9651.56	-140.06	157.91	-263.20	-1.368e+04	3.807e+04
		-1.936e+04	-1.368e+04	-9.88e-03	1.25e-03	410.0	-8626.56	-140.06	157.91	-263.20	5.106e+04	-1.936e+04
136	102	3.943e+04	5.216e+04	-0.02	0.0	0.0	-9953.07	-143.79	160.41	-256.23	-1.360e+04	3.943e+04
		-1.953e+04	-1.360e+04	-9.82e-03	1.25e-03	410.0	-8928.07	-143.79	160.41	-256.23	5.216e+04	-1.953e+04
136	104	3.941e+04	5.257e+04	-0.02	0.0	0.0	-9949.17	-143.72	162.28	-262.08	-1.396e+04	3.941e+04
		-1.952e+04	-1.396e+04	-0.01	1.25e-03	410.0	-8924.17	-143.72	162.28	-262.08	5.257e+04	-1.952e+04
136	105	3.810e+04	5.038e+04	-0.01	0.0	0.0	-9658.06	-140.18	154.79	-253.45	-1.308e+04	3.810e+04
		-1.938e+04	-1.308e+04	-9.48e-03	1.25e-03	410.0	-8633.06	-140.18	154.79	-253.45	5.038e+04	-1.938e+04
136	106	3.808e+04	5.079e+04	-0.01	0.0	0.0	-9654.16	-140.11	156.66	-259.30	-1.344e+04	3.808e+04
		-1.936e+04	-1.344e+04	-9.72e-03	1.25e-03	410.0	-8629.16	-140.11	156.66	-259.30	5.079e+04	-1.936e+04
137	7	1.933e+04	5.570e+04	0.01	0.0	0.0	-9419.92	140.56	181.86	-287.62	-1.886e+04	1.933e+04
		-3.830e+04	-1.886e+04	-0.01	-1.25e-03	410.0	-8394.92	140.56	181.86	-287.62	5.570e+04	-3.830e+04
137	9	2.659e+04	8.653e+04	0.02	0.0	0.0	-1.500e+04	216.56	277.51	-366.26	-2.725e+04	2.659e+04
		-6.220e+04	-2.725e+04	-0.02	-1.62e-03	410.0	-1.367e+04	216.56	277.51	-366.26	8.653e+04	-6.220e+04
137	11	2.656e+04	8.832e+04	0.02	0.0	0.0	-1.499e+04	216.54	285.74	-387.50	-2.883e+04	2.656e+04
		-6.222e+04	-2.883e+04	-0.02	-1.62e-03	410.0	-1.366e+04	216.54	285.74	-387.50	8.832e+04	-6.222e+04
137	16	3.205e+04	8.178e+04	0.02	0.0	0.0	-1.424e+04	227.37	262.60	-361.07	-2.588e+04	3.205e+04
		-6.117e+04	-2.588e+04	-0.02	-1.62e-03	410.0	-1.290e+04	227.37	262.60	-361.07	8.178e+04	-6.117e+04
137	34	1.774e+04	3.344e+05	0.06	0.0	0.0	-9423.96	68.65	1535.17	-1408.27	-2.950e+05	1.774e+04
		-9767.65	-2.950e+05	-0.26	-1.25e-03	410.0	-8398.96	68.65	1535.17	-1408.27	3.344e+05	-9767.65
137	35	2.144e+04	2.318e+05	-0.05	0.0	0.0	-9900.74	208.63	-1042.09	-939.65	2.318e+05	-2.144e+04
		-6.462e+04	-1.954e+05	0.22	-1.25e-03	410.0	-8875.74	208.63	-1042.09	-939.65	-1.954e+05	-6.462e+04
137	38	1.752e+04	3.057e+05	0.05	0.0	0.0	-9421.16	78.19	1396.81	390.51	-2.669e+05	1.752e+04
		-1.402e+04	-2.669e+05	-0.23	-1.25e-03	410.0	-8396.16	78.19	1396.81	390.51	3.057e+05	-1.402e+04

137	39	2.204e+04	1.216e+05	-0.29	0.0	0.0	-9851.45	340.44	-511.22	8947.32	1.216e+05	-1.182e+05
		-1.182e+05	-8.800e+04	0.14	-1.25e-03	410.0	-8826.45	340.44	-511.23	8947.32	-8.800e+04	2.204e+04
137	42	3.960e+04	1.982e+05	0.29	0.0	0.0	-9471.98	-53.70	865.61	-9478.97	-1.567e+05	3.960e+04
		1.691e+04	-1.567e+05	-0.14	-1.25e-03	410.0	-8446.98	-53.70	865.61	-9478.97	1.982e+05	1.691e+04
137	66	1.843e+04	2.082e+05	0.04	0.0	0.0	-9530.27	100.52	921.70	-819.05	-1.697e+05	-2.244e+04
		-2.244e+04	-1.697e+05	-0.14	-1.25e-03	410.0	-8505.27	100.52	921.70	-819.05	2.082e+05	1.843e+04
137	67	2.065e+04	1.189e+05	-0.03	0.0	0.0	-9792.21	180.99	-489.82	-707.06	1.189e+05	-5.384e+04
		-5.384e+04	-8.191e+04	0.12	-1.25e-03	410.0	-8767.21	180.99	-489.82	-707.06	-8.191e+04	2.065e+04
137	70	1.830e+04	1.925e+05	0.03	0.0	0.0	-9528.69	105.77	845.60	171.16	-1.542e+05	-2.477e+04
		-2.477e+04	-1.542e+05	-0.13	-1.25e-03	410.0	-8503.69	105.77	845.60	171.16	1.925e+05	1.830e+04
137	71	2.121e+04	5.681e+04	-0.17	0.0	0.0	-9771.54	257.53	-190.37	4571.61	5.681e+04	-8.474e+04
		-8.474e+04	-2.125e+04	0.07	-1.25e-03	410.0	-8746.54	257.53	-190.37	4571.61	-2.125e+04	2.121e+04
137	83	2.164e+04	3.067e+04	-0.13	0.0	0.0	-9778.14	240.11	60.14	639.39	5988.75	-7.691e+04
		-7.691e+04	5988.75	0.02	-1.25e-03	410.0	-8753.14	240.11	60.14	639.39	3.067e+04	2.164e+04
137	87	1.949e+04	5.476e+04	0.01	0.0	0.0	-9664.21	143.38	175.54	-261.88	-1.720e+04	-3.930e+04
		-3.930e+04	-1.720e+04	-0.01	-1.25e-03	410.0	-8639.21	143.38	175.53	-261.88	5.476e+04	1.949e+04
137	88	1.948e+04	5.527e+04	0.01	0.0	0.0	-9660.45	143.38	177.89	-267.95	-1.766e+04	-3.931e+04
		-3.931e+04	-1.766e+04	-0.01	-1.25e-03	410.0	-8635.45	143.38	177.89	-267.95	5.527e+04	1.948e+04
137	91	1.946e+04	5.647e+04	0.01	0.0	0.0	-9651.67	143.37	183.38	-282.11	-1.872e+04	-3.932e+04
		-3.932e+04	-1.872e+04	-0.01	-1.25e-03	410.0	-8626.67	143.37	183.38	-282.11	5.647e+04	1.946e+04
137	93	2.025e+04	6.392e+04	0.02	0.0	0.0	-1.114e+04	161.62	204.79	-276.02	-2.005e+04	-4.602e+04
		-4.602e+04	-2.005e+04	-0.01	-1.25e-03	410.0	-1.011e+04	161.62	204.78	-276.02	6.392e+04	2.025e+04
137	95	2.023e+04	5.711e+04	0.02	0.0	0.0	-1.113e+04	161.61	210.27	-290.18	-2.110e+04	-4.603e+04
		-4.603e+04	-2.110e+04	-0.01	-1.25e-03	410.0	-1.011e+04	161.61	210.27	-290.18	5.711e+04	2.023e+04
137	97	2.389e+04	6.075e+04	0.01	0.0	0.0	-1.063e+04	168.83	194.84	-272.56	-1.914e+04	-4.533e+04
		-4.533e+04	-1.914e+04	-0.01	-1.25e-03	410.0	-9604.51	168.83	194.84	-272.56	6.075e+04	2.389e+04
137	101	1.947e+04	5.561e+04	0.01	0.0	0.0	-9657.94	143.38	179.46	-272.00	-1.796e+04	-3.931e+04
		-3.931e+04	-1.796e+04	-0.01	-1.25e-03	410.0	-8632.94	143.38	179.46	-272.00	5.561e+04	1.947e+04
137	102	1.964e+04	5.659e+04	0.01	0.0	0.0	-9959.29	147.03	181.39	-264.71	-1.777e+04	-4.064e+04
		-4.064e+04	-1.777e+04	-0.01	-1.25e-03	410.0	-8934.29	147.03	181.38	-264.71	5.659e+04	1.964e+04
137	104	1.963e+04	5.711e+04	0.01	0.0	0.0	-9955.53	147.03	183.74	-270.78	-1.823e+04	-4.065e+04
		-4.065e+04	-1.823e+04	-0.01	-1.25e-03	410.0	-8930.53	147.03	183.74	-270.78	5.711e+04	1.963e+04
137	105	1.949e+04	5.476e+04	0.01	0.0	0.0	-9664.21	143.38	175.54	-261.88	-1.720e+04	-3.930e+04
		-3.930e+04	-1.720e+04	-0.01	-1.25e-03	410.0	-8639.21	143.38	175.53	-261.88	5.476e+04	1.949e+04
137	106	1.948e+04	5.527e+04	0.01	0.0	0.0	-9660.45	143.38	177.89	-267.95	-1.766e+04	-3.931e+04
		-3.931e+04	-1.766e+04	-0.01	-1.25e-03	410.0	-8635.45	143.38	177.89	-267.95	5.527e+04	1.948e+04
138	4	-4.717e+04	-1212.77	0.02	0.0	0.0	-4564.74	589.58	-10.82	7890.62	-1212.77	-1.040e+05
		-1.040e+05	-2240.75	-1.50e-03	0.0	95.0	-4178.80	589.58	-10.82	7890.62	-2240.75	-4.717e+04
138	5	-3.069e+04	-1493.06	0.01	0.0	0.0	-3102.13	436.14	1.44	5293.24	-1630.28	-7.266e+04
		-7.266e+04	-1630.28	-5.08e-04	0.0	95.0	-2805.25	436.14	1.44	5293.24	-1493.06	-3.069e+04
138	7	-3.483e+04	-828.61	0.01	0.0	0.0	-3403.99	448.70	-8.97	5877.38	-828.61	-7.805e+04
		-7.805e+04	-1680.55	-1.16e-03	0.0	95.0	-3107.12	448.70	-8.97	5877.38	-1680.55	-3.483e+04
138	11	-4.753e+04	-1482.20	0.02	0.0	0.0	-4592.79	591.06	-7.95	7931.30	-1482.20	-1.045e+05
		-1.045e+05	-2237.35	-1.36e-03	0.0	95.0	-4206.85	591.06	-7.95	7931.30	-2237.35	-4.753e+04
138	24	-3.147e+04	7306.13	0.03	0.0	0.0	-3128.16	530.22	-106.30	6630.49	7306.13	-8.225e+04
		-8.225e+04	-2075.31	2.60e-03	0.0	95.0	-2831.28	530.22	-106.30	6630.49	-2075.31	-3.147e+04
138	25	-2.714e+04	-989.34	-4.65e-03	0.0	0.0	-3293.82	436.55	105.03	3829.09	-1.025e+04	-6.918e+04
		-6.918e+04	-1.025e+04	-3.95e-03	0.0	95.0	-2996.95	436.55	105.03	3829.09	-989.34	-2.714e+04
138	46	-1.034e+04	2184.03	0.03	0.0	0.0	-3885.65	719.76	-49.11	6074.65	2184.03	-7.918e+04
		-7.918e+04	-54.05	-1.20e-05	0.0	95.0	-3588.78	719.76	-49.11	6074.65	-54.05	-1.034e+04
138	47	-3.459e+04	-2021.77	-0.02	0.0	0.0	-2399.59	441.48	20.82	1809.13	-3587.72	-7.703e+04
		-7.703e+04	-3587.72	-5.84e-03	0.0	95.0	-2102.71	441.48	20.82	1809.13	-2021.77	-3.459e+04
138	50	-1.055e+04	251.83	0.04	0.0	0.0	-4022.72	724.44	-17.35	7378.45	251.83	-7.955e+04
		-7.955e+04	-985.11	4.58e-03	0.0	95.0	-3725.84	724.44	-17.35	7378.45	-985.11	-1.055e+04
138	52	-1.378e+04	4383.57	0.04	0.0	0.0	-3866.02	727.39	-66.36	7512.88	4383.57	-8.302e+04
		-8.302e+04	-1513.78	6.24e-03	0.0	95.0	-3569.14	727.39	-66.36	7512.88	-1513.78	-1.378e+04
138	56	-3.457e+04	3439.54	0.02	0.0	0.0	-3196.38	441.81	-59.70	6592.71	3439.54	-7.713e+04
		-7.713e+04	-1837.81	1.35e-03	0.0	95.0	-2899.50	441.81	-59.70	6592.71	-1837.81	-3.457e+04
138	57	-2.979e+04	-1274.99	3.54e-03	0.0	0.0	-3225.58	439.65	56.66	4409.48	-6263.04	-7.209e+04
		-7.209e+04	-6263.04	-2.75e-03	0.0	95.0	-2928.70	439.65	56.66	4409.48	-1274.99	-2.979e+04
138	63	-3.553e+04	1298.29	8.64e-03	0.0	0.0	-2966.55	444.90	-32.94	4657.62	1298.29	-7.826e+04
		-7.826e+04	-2233.06	4.15e-04	0.0	95.0	-2669.67	444.90	-32.94	4657.62	-2233.06	-3.553e+04
138	66	-2.883e+04	-879.74	0.01	0.0	0.0	-3455.41	436.56	29.89	6344.57	-879.74	-2.883e+04
		-2.883e+04	-4121.79	-1.81e-03	0.0	95.0	-3158.53	436.56	29.89	6344.57	-4121.79	-2.883e+04
138	79	-3.446e+04	-1879.20	-8.13e-03	0.0	0.0	-2712.10	445.01	9.76	2888.75	-2582.27	-7.718e+04
		-7.718e+04	-2582.27	-4.17e-03	0.0	95.0	-2415.23	445.01	9.76	2888.75	-1879.20	-3.446e+04
138	82	-2.990e+04	-241.22	0.03	0.0	0.0	-3709.85	436.45	-12.80	8113.44	-241.22	-7.203e+04
		-7.203e+04	-1233.60	2.77e-03	0.0	95.0	-3412.98	436.45	-12.80	8113.44	-1233.60	-2.990e+04
138	87	-3.135e+04	-1518.90	0.01	0.0	0.0	-3150.60	438.22	0.56	5384.27	-1518.90	-7.353e+04
		-7.353e+04	-1572.08	-5.70e-04	0.0	95.0	-2853.73	438.22	0.56	5384.27	-1518.90	-3.135e+04
138	88	-3.218e+04	-1411.75	0.01	0.0	0.0	-3210.98	440.73	-1.52	5501.09	-1411.75	-7.461e+04
		-7.461e+04	-1556.40	-7.00e-04	0.0	95.0	-2914.10	440.73	-1.52	5501.09	-1556.40	-3.218e+04
138	89	-3.135e+04	-1518.90	0.01	0.0	0.0	-3150.60	438.22	0.56	5384.27	-1518.90	-7.353e+04
		-7.353e+04	-1572.08	-5.70e-04	0.0	95.0	-2853.73	438.22	0.56	5384.27	-1518.90	-3.135e+04
138	91	-3.411e+04	-1037.64	0.01	0.0	0.0	-3351.85	446.59	-6.38	5773.69	-1037.64	-7.712e+04
		-7.712e+04	-1643.89	-1.00e-03	0.0	95.0	-3054.97	446.59	-6.38	5773.69	-1643.89	-3.411e+04
138	92	-3.518e+04	-1056.92	0.01	0.0	0.0	-3430.92	450.10	-6.55	5917.63	-1056.92	-7.855e+04
		-7.855e+04	-1679.13	-1.04e-03	0.0	95.0	-3134.05	450.10	-6.55	5917.63	-1679.13	-3.518e+04
138	95	-3.543e+04	-1236.54	0.01	0.0	0.0	-3449.62	451.08	-4.63	5944.75	-1236.54	-7.889e+04
		-7.889e+04	-1676.86	-9.40e-04	0.0	95.0	-3152.74	451.08	-4.63	5944.75	-1676.86	-3.543e+04

138	100	-3.135e+04	-1518.90	0.01	0.0	0.0	-3150.60	438.22	0.56	5384.27	-1572.08	-7.353e+04
		-7.353e+04	-1572.08	-5.70e-04	0.0	95.0	-2853.73	438.22	0.56	5384.27	-1518.90	-3.135e+04
138	101	-3.273e+04	-1304.86	0.01	0.0	0.0	-3251.23	442.41	-2.91	5578.98	-1304.86	-7.533e+04
		-7.533e+04	-1581.40	-7.86e-04	0.0	95.0	-2954.35	442.41	-2.91	5578.98	-1581.40	-3.273e+04
138	105	-3.135e+04	-1518.90	0.01	0.0	0.0	-3150.60	438.22	0.56	5384.27	-1572.08	-7.353e+04
		-7.353e+04	-1572.08	-5.70e-04	0.0	95.0	-2853.73	438.22	0.56	5384.27	-1518.90	-3.135e+04
138	106	-3.218e+04	-1411.75	0.01	0.0	0.0	-3210.98	440.73	-1.52	5501.09	-1411.75	-7.461e+04
		-7.461e+04	-1556.40	-7.00e-04	0.0	95.0	-2914.10	440.73	-1.52	5501.09	-1556.40	-3.218e+04
139	4	1.028e+05	-650.01	-0.02	0.0	0.0	-4669.32	-589.68	-15.28	-8506.94	-650.01	1.028e+05
		4.589e+04	-2101.58	-3.36e-04	0.0	95.0	-4283.38	-589.68	-15.28	-8506.94	-2101.58	4.589e+04
139	5	7.186e+04	-1265.24	-0.01	0.0	0.0	-3171.90	-436.19	-1.45	-5706.14	-1265.24	7.186e+04
		2.984e+04	-1402.88	2.60e-04	0.0	95.0	-2875.02	-436.19	-1.45	-5706.14	-1402.88	2.984e+04
139	7	7.715e+04	-411.66	-0.01	0.0	0.0	-3482.05	-448.79	-12.28	-6336.06	-411.66	7.715e+04
		3.388e+04	-1578.26	-2.91e-04	0.0	95.0	-3185.17	-448.79	-12.28	-6336.06	-1578.26	3.388e+04
139	11	1.033e+05	-916.85	-0.02	0.0	0.0	-4697.64	-591.14	-12.42	-8551.11	-916.85	1.033e+05
		4.624e+04	-2096.66	-1.86e-04	0.0	95.0	-4311.71	-591.14	-12.42	-8551.11	-2096.66	4.624e+04
139	31	8.145e+04	7271.82	-0.02	0.0	0.0	-3216.01	-529.70	-104.89	-5468.56	7271.82	8.145e+04
		3.068e+04	-1930.27	3.20e-03	0.0	95.0	-2919.13	-529.70	-104.89	-5468.56	-1930.27	3.068e+04
139	34	6.834e+04	-957.96	-3.46e-03	0.0	0.0	-3349.77	-437.20	97.17	-5828.63	-9427.14	6.834e+04
		2.620e+04	-9427.14	-2.94e-03	0.0	95.0	-3052.89	-437.20	97.17	-5828.63	-957.96	2.620e+04
139	48	7.653e+04	-1617.74	0.02	0.0	0.0	-2483.03	-441.03	1.32	-1507.69	-1617.74	7.653e+04
		3.401e+04	-1907.71	-4.11e-03	0.0	95.0	-2186.16	-441.03	1.32	-1507.69	-1907.71	3.401e+04
139	49	7.836e+04	-922.02	-0.04	0.0	0.0	-4083.04	-724.76	-4.24	-8511.77	-934.88	7.836e+04
		9367.63	-934.88	4.44e-03	0.0	95.0	-3786.16	-724.76	-4.24	-8511.77	-922.02	9367.63
139	51	8.182e+04	3001.28	-0.04	0.0	0.0	-3933.76	-727.25	-51.08	-8018.15	3001.28	8.182e+04
		1.263e+04	-1441.55	6.07e-03	0.0	95.0	-3636.88	-727.25	-51.08	-8018.15	-1441.55	1.263e+04
139	61	7.012e+04	-934.25	-0.02	0.0	0.0	-3545.78	-437.85	34.03	-7351.12	-934.25	7.012e+04
		2.790e+04	-4238.84	-3.98e-04	0.0	95.0	-3248.90	-437.85	34.03	-7351.12	-934.25	2.790e+04
139	63	7.631e+04	3569.63	-0.02	0.0	0.0	-3276.48	-441.47	-60.04	-6146.99	3569.63	7.631e+04
		3.375e+04	-1715.20	2.01e-03	0.0	95.0	-2979.60	-441.47	-60.04	-6146.99	-1715.20	3.375e+04
139	66	7.122e+04	-1208.33	-6.67e-03	0.0	0.0	-3290.80	-440.12	50.92	-5713.70	-1208.33	7.122e+04
		2.884e+04	-5626.51	-1.81e-03	0.0	95.0	-2993.92	-440.12	50.92	-5713.70	-1208.33	2.884e+04
139	68	7.743e+04	2201.70	-0.01	0.0	0.0	-3026.39	-444.55	-43.26	-4766.05	2201.70	7.743e+04
		3.468e+04	-1979.92	6.76e-04	0.0	95.0	-2729.52	-444.55	-43.26	-4766.05	-1979.92	3.468e+04
139	80	7.655e+04	-1242.32	6.33e-03	0.0	0.0	-2792.47	-445.11	-3.20	-2956.15	-1242.32	7.655e+04
		3.375e+04	-1769.35	-2.79e-03	0.0	95.0	-2495.60	-445.11	-3.20	-2956.15	-1769.35	3.375e+04
139	81	7.098e+04	-814.56	-0.03	0.0	0.0	-3774.80	-436.48	-5.93	-8904.54	-814.56	7.098e+04
		2.884e+04	-1154.19	3.00e-03	0.0	95.0	-3477.93	-436.48	-5.93	-8904.54	-1154.19	2.884e+04
139	87	7.271e+04	-1199.16	-0.01	0.0	0.0	-3221.61	-438.28	-2.40	-5804.36	-1199.16	7.271e+04
		3.049e+04	-1426.69	2.13e-04	0.0	95.0	-2924.73	-438.28	-2.40	-5804.36	-1426.69	3.049e+04
139	88	7.377e+04	-1028.44	-0.01	0.0	0.0	-3283.64	-440.80	-4.56	-5930.34	-1028.44	7.377e+04
		3.130e+04	-1461.77	1.03e-04	0.0	95.0	-2986.76	-440.80	-4.56	-5930.34	-1461.77	3.130e+04
139	89	7.271e+04	-1199.16	-0.01	0.0	0.0	-3221.61	-438.28	-2.40	-5804.36	-1199.16	7.271e+04
		3.049e+04	-1426.69	2.13e-04	0.0	95.0	-2924.73	-438.28	-2.40	-5804.36	-1426.69	3.049e+04
139	91	7.624e+04	-630.10	-0.01	0.0	0.0	-3428.37	-446.67	-9.62	-6224.30	-630.10	7.624e+04
		3.318e+04	-1543.61	-1.54e-04	0.0	95.0	-3131.50	-446.67	-9.62	-6224.30	-1543.61	3.318e+04
139	92	7.764e+04	-637.28	-0.02	0.0	0.0	-3509.29	-450.17	-9.87	-6379.73	-637.28	7.764e+04
		3.423e+04	-1575.40	-1.64e-04	0.0	95.0	-3212.41	-450.17	-9.87	-6379.73	-1575.40	3.423e+04
139	95	7.798e+04	-815.17	-0.02	0.0	0.0	-3528.17	-451.14	-7.97	-6409.18	-815.17	7.798e+04
		3.446e+04	-1572.12	-6.40e-05	0.0	95.0	-3231.30	-451.14	-7.97	-6409.18	-1572.12	3.446e+04
139	100	7.271e+04	-1199.16	-0.01	0.0	0.0	-3221.61	-438.28	-2.40	-5804.36	-1199.16	7.271e+04
		3.049e+04	-1426.69	2.13e-04	0.0	95.0	-2924.73	-438.28	-2.40	-5804.36	-1426.69	3.049e+04
139	101	7.447e+04	-914.63	-0.01	0.0	0.0	-3324.99	-442.48	-6.01	-6014.33	-914.63	7.447e+04
		3.183e+04	-1485.15	3.43e-05	0.0	95.0	-3028.12	-442.48	-6.01	-6014.33	-1485.15	3.183e+04
139	105	7.271e+04	-1199.16	-0.01	0.0	0.0	-3221.61	-438.28	-2.40	-5804.36	-1199.16	7.271e+04
		3.049e+04	-1426.69	2.13e-04	0.0	95.0	-2924.73	-438.28	-2.40	-5804.36	-1426.69	3.049e+04
139	106	7.377e+04	-1028.44	-0.01	0.0	0.0	-3283.64	-440.80	-4.56	-5930.34	-1028.44	7.377e+04
		3.130e+04	-1461.77	1.03e-04	0.0	95.0	-2986.76	-440.80	-4.56	-5930.34	-1461.77	3.130e+04
140	5	-8614.77	6.772e+04	-5.92e-03	0.0	0.0	-9097.61	-21.00	-630.34	-56.76	6.772e+04	-8614.77
		-1.533e+04	-1.340e+05	7.44e-03	0.0	320.0	-8097.61	-21.00	-630.34	-56.76	-1.340e+05	-1.533e+04
140	11	-1.450e+04	1.129e+05	-8.79e-03	0.0	0.0	-1.445e+04	-18.86	-1039.07	-85.19	1.129e+05	-1.450e+04
		-2.054e+04	-2.196e+05	0.01	0.0	320.0	-1.315e+04	-18.86	-1039.07	-85.19	-2.196e+05	-2.054e+04
140	16	-1.045e+04	1.046e+05	-8.30e-03	0.0	0.0	-1.370e+04	-47.51	-971.56	-69.92	1.046e+05	-1.045e+04
		-2.565e+04	-2.063e+05	0.01	0.0	320.0	-1.240e+04	-47.51	-971.56	-69.92	-2.063e+05	-2.565e+04
140	19	-6608.17	7.091e+04	-6.08e-03	0.0	0.0	-9417.49	-43.73	-658.98	-55.34	7.091e+04	-6608.17
		-2.060e+04	-1.400e+05	7.62e-03	0.0	320.0	-8417.49	-43.73	-658.98	-55.34	-1.400e+05	-2.060e+04
140	32	-358.72	9.283e+05	0.03	0.0	0.0	-7607.83	-32.44	-5401.62	-4097.99	9.283e+05	-358.72
		-1.001e+04	-8.003e+05	0.24	0.0	320.0	-6607.83	-32.44	-5401.62	-4097.99	-8.003e+05	-1.001e+04
140	43	-1.942e+04	7.583e+04	-0.16	0.0	0.0	-1.071e+04	74.90	-566.17	7954.92	7.583e+04	-4.320e+04
		-4.320e+04	-1.050e+05	-4.69e-03	0.0	320.0	-9708.19	74.90	-566.17	7954.92	-1.050e+05	-4.320e+04
140	46	3.789e+04	6.353e+04	0.14	0.0	0.0	-7930.51	-159.28	-729.25	-8150.37	6.353e+04	3.789e+04
		-1.289e+04	-1.702e+05	0.02	0.0	320.0	-6930.51	-159.28	-729.25	-8150.37	-1.702e+05	-1.289e+04
140	48	3.350e+04	4.323e+05	0.20	0.0	0.0	-6944.43	-137.23	-2773.30	-1190.38	4.323e+05	3.350e+04
		-1.006e+04	-4.553e+05	0.07	0.0	320.0	-5944.43	-137.23	-2773.30	-1190.38	-4.553e+05	-1.006e+04
140	49	-2.225e+04	1.801e+05	-0.21	0.0	0.0	-1.169e+04	52.85	1477.89	994.93	-2.929e+05	-3.881e+04
		-3.881e+04	-2.929e+05	-0.07	0.0	320.0	-1.069e+04	52.85	1477.89	994.93	1.801e+05	-2.225e+04
140	64	-5370.42	5.443e+05	0.02	0.0	0.0	-8389.21	-22.68	-3275.98	-2323.19	5.443e+05	-5370.42
		-1.226e+04	-5.041e+05	0.14	0.0	320.0	-7389.21	-22.68	-3275.98	-2323.19	-5.041e+05	-1.226e+04
140	75	-1.725e+04	6.802e+04	-0.09	0.0	0.0	-1.014e+04	46.32	-572.68	4519.93	6.802e+04	-3.198e+04
		-3.198e+04	-1.151e+05	3.73e-03	0.0	320.0	-9140.87	46.32	-572.68	4519.93	-1.151e+05	-1.725e+04

140	78	1.335e+04	7.330e+04	0.08	0.0	0.0	-8494.70	-83.89	-733.26	-4646.50	7.330e+04	1.335e+04
		-1.340e+04	-1.615e+05	0.01	0.0	320.0	-7494.70	-83.89	-733.26	-4646.50	-1.615e+05	-1.340e+04
140	80	1.094e+04	2.760e+05	0.11	0.0	0.0	-7968.88	-71.76	-1856.98	-806.88	2.760e+05	1.094e+04
		-1.185e+04	-3.182e+05	0.04	0.0	320.0	-6968.88	-71.76	-1856.98	-806.88	-3.182e+05	-1.185e+04
140	81	-1.880e+04	4.166e+04	-0.13	0.0	0.0	-1.067e+04	34.20	551.04	680.31	-1.347e+05	-2.957e+04
		-2.957e+04	-1.347e+05	-0.04	0.0	320.0	-9666.69	34.20	551.04	680.31	4.166e+04	-1.880e+04
140	87	-8902.85	6.981e+04	-6.02e-03	0.0	0.0	-9315.03	-20.25	-648.71	-57.89	6.981e+04	-8902.85
		-1.538e+04	-1.378e+05	7.55e-03	0.0	320.0	-8315.03	-20.25	-648.71	-57.89	-1.378e+05	-1.538e+04
140	88	-9318.09	7.066e+04	-6.14e-03	0.0	0.0	-9317.78	-18.78	-652.97	-63.28	7.066e+04	-9318.09
		-1.533e+04	-1.623e+05	7.41e-03	0.0	320.0	-8317.78	-18.78	-652.97	-63.28	-1.383e+05	-1.533e+04
140	89	-8902.85	6.981e+04	-6.02e-03	0.0	0.0	-9315.03	-20.25	-648.71	-57.89	6.981e+04	-8902.85
		-1.538e+04	-1.378e+05	7.55e-03	0.0	320.0	-8315.03	-20.25	-648.71	-57.89	-1.378e+05	-1.538e+04
140	95	-1.066e+04	8.317e+04	-6.60e-03	0.0	0.0	-1.073e+04	-15.77	-766.96	-63.76	8.317e+04	-1.066e+04
		-1.571e+04	-1.623e+05	8.31e-03	0.0	320.0	-9727.55	-15.77	-766.96	-63.76	-1.623e+05	-1.571e+04
140	96	-7565.12	7.193e+04	-6.12e-03	0.0	0.0	-9528.28	-35.40	-667.80	-56.94	7.193e+04	-7565.12
		-1.889e+04	-1.418e+05	7.67e-03	0.0	320.0	-8528.28	-35.40	-667.80	-56.94	-1.418e+05	-1.889e+04
140	97	-7961.56	7.762e+04	-6.27e-03	0.0	0.0	-1.023e+04	-34.88	-721.95	-53.58	7.762e+04	-7961.56
		-1.912e+04	-1.534e+05	8.21e-03	0.0	320.0	-9231.33	-34.88	-721.95	-53.58	-1.534e+05	-1.912e+04
140	100	-8902.85	6.981e+04	-6.02e-03	0.0	0.0	-9315.03	-20.25	-648.71	-57.89	6.981e+04	-8902.85
		-1.538e+04	-1.378e+05	7.55e-03	0.0	320.0	-8315.03	-20.25	-648.71	-57.89	-1.378e+05	-1.538e+04
140	102	-9061.43	7.208e+04	-6.08e-03	0.0	0.0	-9596.25	-20.04	-670.37	-56.54	7.208e+04	-9061.43
		-1.547e+04	-1.424e+05	7.76e-03	0.0	320.0	-8596.25	-20.04	-670.37	-56.54	-1.424e+05	-1.547e+04
140	104	-9476.67	7.293e+04	-6.20e-03	0.0	0.0	-9599.00	-18.57	-674.63	-61.94	7.293e+04	-9476.67
		-1.542e+04	-1.429e+05	7.63e-03	0.0	320.0	-8599.00	-18.57	-674.63	-61.94	-1.429e+05	-1.542e+04
140	105	-8902.85	6.981e+04	-6.02e-03	0.0	0.0	-9315.03	-20.25	-648.71	-57.89	6.981e+04	-8902.85
		-1.538e+04	-1.378e+05	7.55e-03	0.0	320.0	-8315.03	-20.25	-648.71	-57.89	-1.378e+05	-1.538e+04
140	106	-9318.09	7.066e+04	-6.14e-03	0.0	0.0	-9317.78	-18.78	-652.97	-63.28	7.066e+04	-9318.09
		-1.533e+04	-1.383e+05	7.41e-03	0.0	320.0	-8317.78	-18.78	-652.97	-63.28	-1.383e+05	-1.533e+04
141	4	-1.022e+04	740.03	-7.12e-03	0.0	0.0	-4425.80	404.32	33.12	-3493.99	-2240.80	-4.595e+04
		-4.595e+04	-2240.80	-1.68e-03	0.0	90.0	-4060.17	404.32	33.12	-3493.99	740.03	-1.022e+04
141	5	-5660.51	928.62	-4.87e-03	0.0	0.0	-2950.42	273.58	26.91	-2347.79	-1493.08	-2.985e+04
		-2.985e+04	-1493.08	-6.51e-04	0.0	90.0	-2669.17	273.58	26.91	-2347.79	928.62	-5660.51
141	9	-9234.37	1369.46	-6.84e-03	0.0	0.0	-4259.87	387.45	38.62	-3309.22	-2106.13	-4.347e+04
		-4.347e+04	-2106.13	-1.10e-03	0.0	90.0	-3894.25	387.45	38.62	-3309.22	1369.46	-9234.37
141	11	-1.037e+04	1002.15	-7.16e-03	0.0	0.0	-4479.82	406.82	36.00	-3497.36	-2237.39	-4.632e+04
		-4.632e+04	-2237.39	-1.54e-03	0.0	90.0	-4114.19	406.82	36.00	-3497.36	1002.15	-1.037e+04
141	35	-9105.75	6565.56	-0.01	0.0	0.0	-2561.76	292.20	98.91	-3471.99	-2468.77	-3.487e+04
		-3.487e+04	-2468.77	1.36e-04	0.0	90.0	-2280.51	292.20	98.91	-3471.99	6565.56	-9105.75
141	36	-898.31	8138.61	7.14e-03	0.0	0.0	-2882.30	313.43	116.88	1260.29	-2319.82	-2.848e+04
		-2.848e+04	-2319.82	3.67e-03	0.0	90.0	-2601.05	313.43	116.88	1260.29	8138.61	-898.31
141	37	-5275.83	-744.89	-0.02	0.0	0.0	-3257.24	259.50	-64.22	-6133.65	-744.89	-2.836e+04
		-2.836e+04	-6463.78	-5.30e-03	0.0	90.0	-2975.99	259.50	-64.22	-6133.65	-6463.78	-5275.83
141	47	-9923.51	268.03	-0.04	0.0	0.0	-2435.99	262.77	21.66	-9708.84	-2021.77	-3.324e+04
		-3.324e+04	-2021.77	-5.80e-03	0.0	90.0	-2154.74	262.77	21.66	-9708.84	268.03	-9923.51
141	50	1.855e+04	1652.78	0.02	0.0	0.0	-3714.17	323.80	33.09	4842.41	-985.16	-1.003e+04
		-1.003e+04	-985.16	4.27e-03	0.0	90.0	-3432.92	323.80	33.09	4842.41	1652.78	1.855e+04
141	54	1.857e+04	1627.75	0.03	0.0	0.0	-3713.63	323.77	32.85	5054.66	-996.63	-1.001e+04
		-1.001e+04	-996.63	4.31e-03	0.0	90.0	-3432.38	323.77	32.85	5054.66	1627.75	1.857e+04
141	67	-7844.52	3990.02	-9.75e-03	0.0	0.0	-2787.08	290.53	66.63	-3318.90	-2077.61	-3.350e+04
		-3.350e+04	-2077.61	-4.57e-04	0.0	90.0	-2505.83	290.53	66.63	-3318.90	3990.02	-7844.52
141	68	-6638.55	4762.27	2.70e-03	0.0	0.0	-2992.59	294.25	75.21	-96.70	-1972.06	-3.258e+04
		-3.258e+04	-1972.06	1.84e-03	0.0	90.0	-2711.34	294.25	75.21	-96.70	4762.27	-6638.55
141	69	-5853.06	-1140.79	-0.01	0.0	0.0	-3145.03	272.84	-22.78	-4783.85	-1140.79	-3.006e+04
		-3.006e+04	-3155.92	-3.52e-03	0.0	90.0	-2863.78	272.84	-22.78	-4783.85	-3155.92	-5853.06
141	79	-8544.86	573.68	-0.02	0.0	0.0	-2672.39	280.00	25.19	-7474.40	-1879.23	-3.336e+04
		-3.336e+04	-1879.23	-4.19e-03	0.0	90.0	-2391.14	280.00	25.19	-7474.40	573.68	-8544.86
141	82	-3946.75	1032.67	0.01	0.0	0.0	-3465.24	287.09	27.24	2593.84	-1233.62	-2.927e+04
		-2.927e+04	-1233.62	2.51e-03	0.0	90.0	-3183.99	287.09	27.24	2593.84	1032.67	-3946.75
141	86	-3937.13	1018.36	0.02	0.0	0.0	-3465.03	287.08	27.11	2710.31	-1239.97	-2.926e+04
		-2.926e+04	-1239.97	2.54e-03	0.0	90.0	-3183.78	287.08	27.11	2710.31	1018.36	-3937.13
141	87	-5921.22	908.12	-4.94e-03	0.0	0.0	-3005.97	278.01	26.97	-2386.52	-1518.92	-3.050e+04
		-3.050e+04	-1518.92	-7.13e-04	0.0	90.0	-2724.72	278.01	26.97	-2386.52	908.12	-5921.22
141	88	-6245.80	803.18	-5.03e-03	0.0	0.0	-3068.81	283.54	26.22	-2440.28	-1556.42	-3.132e+04
		-3.132e+04	-1556.42	-8.39e-04	0.0	90.0	-2787.56	283.54	26.22	-2440.28	803.18	-6245.80
141	89	-5921.22	908.12	-4.94e-03	0.0	0.0	-3005.97	278.01	26.97	-2386.52	-1518.92	-3.050e+04
		-3.050e+04	-1518.92	-7.13e-04	0.0	90.0	-2724.72	278.01	26.97	-2386.52	908.12	-5921.22
141	92	-7428.52	628.10	-5.36e-03	0.0	0.0	-3314.29	303.66	25.64	-2621.71	-1679.16	-3.427e+04
		-3.427e+04	-1679.16	-1.17e-03	0.0	90.0	-3033.04	303.66	25.64	-2621.71	628.10	-7428.52
141	93	-6771.94	1047.73	-5.17e-03	0.0	0.0	-3203.68	292.41	29.30	-2498.52	-1589.38	-3.261e+04
		-3.261e+04	-1589.38	-7.86e-04	0.0	90.0	-2922.43	292.41	29.30	-2498.52	1047.73	-6771.94
141	95	-7529.29	802.85	-5.38e-03	0.0	0.0	-3350.30	305.33	27.55	-2623.96	-1676.89	-3.451e+04
		-3.451e+04	-1676.89	-1.08e-03	0.0	90.0	-3069.05	305.33	27.55	-2623.96	802.85	-7529.29
141	100	-5921.22	908.12	-4.94e-03	0.0	0.0	-3005.97	278.01	26.97	-2386.52	-1518.92	-3.050e+04
		-3.050e+04	-1518.92	-7.13e-04	0.0	90.0	-2724.72	278.01	26.97	-2386.52	908.12	-5921.22
141	101	-6462.19	733.21	-5.09e-03	0.0	0.0	-3110.70	287.23	25.72	-2476.12	-1581.42	-3.186e+04
		-3.186e+04	-1581.42	-9.24e-04	0.0	90.0	-2829.45	287.23	25.72	-2476.12	733.21	-6462.19
141	102	-6091.37	936.04	-4.99e-03	0.0	0.0	-3045.51	280.89	27.43	-2408.92	-1533.01	-3.093e+04
		-3.093e+04	-1533.01	-7.28e-04	0.0	90.0	-2764.26	280.89	27.43	-2408.92	936.04	-6091.37
141	105	-5921.22	908.12	-4.94e-03	0.0	0.0	-3005.97	278.01	26.97	-2386.52	-1518.92	-3.050e+04
		-3.050e+04	-1518.92	-7.13e-04	0.0	90.0	-2724.72	278.01	26.97	-2386.52	908.12	-5921.22

141	106	-6245.80	803.18	-5.03e-03	0.0	0.0	-3068.81	283.54	26.22	-2440.28	-1556.42	-3.132e+04
		-3.132e+04	-1556.42	-8.39e-04	0.0	90.0	-2787.56	283.54	26.22	-2440.28	803.18	-6245.80
142	4	4.466e+04	377.20	3.09e-03	0.0	0.0	-4476.89	-400.15	27.54	2266.60	-2101.60	4.466e+04
		9287.00	-2101.60	-5.57e-04	0.0	90.0	-4111.27	-400.15	27.54	2266.60	377.20	9287.00
142	5	2.900e+04	696.61	2.17e-03	0.0	0.0	-2984.82	-270.82	23.33	1531.18	-1402.87	2.900e+04
		5042.60	-1402.87	8.52e-05	0.0	90.0	-2703.57	-270.82	23.33	1531.18	696.61	5042.60
142	9	4.224e+04	1027.23	3.00e-03	0.0	0.0	-4307.97	-383.43	33.35	2140.96	-1973.89	4.224e+04
		8347.64	-1973.89	-3.89e-05	0.0	90.0	-3942.35	-383.43	33.35	2140.96	1027.23	8347.64
142	11	4.502e+04	635.80	3.11e-03	0.0	0.0	-4530.76	-402.59	30.36	2262.46	-2096.67	4.502e+04
		9432.03	-2096.67	-4.16e-04	0.0	90.0	-4165.13	-402.59	30.36	2262.46	635.80	9432.03
142	28	3.413e+04	5900.61	0.03	0.0	0.0	-2596.51	-289.40	90.72	1723.77	-2387.64	3.413e+04
		8537.95	-2387.64	1.14e-03	0.0	90.0	-2315.26	-289.40	90.72	1723.77	5900.61	8537.95
142	35	2.745e+04	7853.62	-9.83e-03	0.0	0.0	-2929.34	-312.78	112.37	-1921.63	-2232.24	2.745e+04
		-15.97	-2232.24	4.19e-03	0.0	90.0	-2648.09	-312.78	112.37	-1921.63	7853.62	-15.97
142	38	2.766e+04	-655.99	0.01	0.0	0.0	-3270.14	-254.60	-67.08	5125.35	-655.99	2.766e+04
		4922.53	-6666.32	-4.28e-03	0.0	90.0	-2988.89	-254.60	-67.08	5125.35	-6666.32	4922.53
142	48	3.273e+04	-335.64	0.04	0.0	0.0	-2456.17	-257.13	14.97	7790.16	-1907.70	3.273e+04
		9748.49	-1907.70	-4.09e-03	0.0	90.0	-2174.92	-257.13	14.97	7790.16	-335.64	9748.49
142	49	8755.91	1754.79	-0.04	0.0	0.0	-3761.13	-323.30	32.24	-4564.19	-922.02	8755.91
		-1.966e+04	-922.02	4.09e-03	0.0	90.0	-3479.88	-323.30	32.24	-4564.19	1754.79	-1.966e+04
142	67	3.161e+04	4500.16	-5.44e-03	0.0	0.0	-3033.65	-292.56	71.08	-623.87	-1881.43	3.161e+04
		5838.16	-1881.43	2.46e-03	0.0	90.0	-2752.40	-292.56	71.08	-623.87	4500.16	5838.16
142	70	2.924e+04	-1042.11	9.89e-03	0.0	0.0	-3175.49	-268.78	-26.18	3803.10	-1042.11	2.924e+04
		5364.71	-3382.83	-2.60e-03	0.0	90.0	-2894.24	-268.78	-26.18	3803.10	-3382.83	5364.71
142	80	3.271e+04	114.72	0.03	0.0	0.0	-2700.32	-276.10	19.59	5923.73	-1769.36	3.271e+04
		8193.54	-1769.36	-2.84e-03	0.0	90.0	-2419.07	-276.10	19.59	5923.73	114.72	8193.54
142	81	2.814e+04	1002.61	-0.02	0.0	0.0	-3508.82	-285.24	25.31	-2744.50	-1154.17	2.814e+04
		3009.33	-1154.17	2.70e-03	0.0	90.0	-3227.57	-285.24	25.31	-2744.50	1002.61	3009.33
142	87	2.963e+04	670.51	2.19e-03	0.0	0.0	-3040.92	-275.19	23.30	1554.90	-1426.69	2.963e+04
		5291.61	-1426.69	3.79e-05	0.0	90.0	-2759.67	-275.19	23.30	1554.90	670.51	5291.61
142	88	3.043e+04	558.67	2.22e-03	0.0	0.0	-3104.57	-280.67	22.45	1589.62	-1461.77	3.043e+04
		5601.43	-1461.77	-6.98e-05	0.0	90.0	-2823.32	-280.67	22.45	1589.62	558.67	5601.43
142	89	2.963e+04	670.51	2.19e-03	0.0	0.0	-3040.92	-275.19	23.30	1554.90	-1426.69	2.963e+04
		5291.61	-1426.69	3.79e-05	0.0	90.0	-2759.67	-275.19	23.30	1554.90	670.51	5291.61
142	92	3.330e+04	358.27	2.34e-03	0.0	0.0	-3352.66	-300.54	21.49	1702.58	-1575.41	3.330e+04
		6730.87	-1575.41	-3.35e-04	0.0	90.0	-3071.41	-300.54	21.49	1702.58	358.27	6730.87
142	93	3.169e+04	791.63	2.28e-03	0.0	0.0	-3240.04	-289.39	25.35	1618.81	-1490.28	3.169e+04
		6104.63	-1490.28	1.06e-05	0.0	90.0	-2958.79	-289.39	25.35	1618.81	791.63	6104.63
142	95	3.354e+04	530.67	2.35e-03	0.0	0.0	-3388.56	-302.17	23.36	1699.82	-1572.13	3.354e+04
		6827.56	-1572.13	-2.41e-04	0.0	90.0	-3107.31	-302.17	23.36	1699.82	530.67	6827.56
142	100	2.963e+04	670.51	2.19e-03	0.0	0.0	-3040.92	-275.19	23.30	1554.90	-1426.69	2.963e+04
		5291.61	-1426.69	3.79e-05	0.0	90.0	-2759.67	-275.19	23.30	1554.90	670.51	5291.61
142	101	3.096e+04	484.11	2.24e-03	0.0	0.0	-3147.01	-284.32	21.88	1612.76	-1485.15	3.096e+04
		5807.99	-1485.15	-1.42e-04	0.0	90.0	-2865.76	-284.32	21.88	1612.76	484.11	5807.99
142	102	3.005e+04	694.73	2.21e-03	0.0	0.0	-3080.74	-278.03	23.71	1567.68	-1439.40	3.005e+04
		5454.21	-1439.40	3.24e-05	0.0	90.0	-2799.49	-278.03	23.71	1567.68	694.73	5454.21
142	105	2.963e+04	670.51	2.19e-03	0.0	0.0	-3040.92	-275.19	23.30	1554.90	-1426.69	2.963e+04
		5291.61	-1426.69	3.79e-05	0.0	90.0	-2759.67	-275.19	23.30	1554.90	670.51	5291.61
142	106	3.043e+04	558.67	2.22e-03	0.0	0.0	-3104.57	-280.67	22.45	1589.62	-1461.77	3.043e+04
		5601.43	-1461.77	-6.98e-05	0.0	90.0	-2823.32	-280.67	22.45	1589.62	558.67	5601.43
143	5	6494.19	3652.58	-8.70e-03	0.0	0.0	-3273.24	156.36	30.27	-6309.85	928.60	-6552.53
		-6552.53	928.60	-6.34e-04	0.0	90.0	-2991.99	156.36	30.27	-6309.85	3652.58	6494.19
143	7	8149.93	3190.23	-9.81e-03	0.0	0.0	-3566.77	195.06	30.96	-7097.32	403.85	-8270.36
		-8270.36	403.85	-1.30e-03	0.0	90.0	-3285.52	195.06	30.96	-7097.32	3190.23	8149.93
143	9	1.025e+04	5157.96	-0.01	0.0	0.0	-4870.91	247.74	42.09	-8988.00	1369.43	-1.053e+04
		-1.053e+04	1369.43	-1.07e-03	0.0	90.0	-4505.29	247.74	42.09	-8988.00	5157.96	1.025e+04
143	11	1.141e+04	4834.31	-0.01	0.0	0.0	-5076.39	274.83	42.58	-9539.23	1002.10	-1.173e+04
		-1.173e+04	1002.10	-1.53e-03	0.0	90.0	-4710.76	274.83	42.58	-9539.23	4834.31	1.141e+04
143	36	8211.16	1.752e+04	-0.01	0.0	0.0	-3433.91	88.91	105.85	-2858.07	8138.67	1622.04
		1622.04	8138.67	4.37e-03	0.0	90.0	-3152.66	88.91	105.85	-2858.07	1.752e+04	8211.16
143	37	4328.47	-6463.90	-2.83e-03	0.0	0.0	-3369.17	160.34	-47.21	-9510.87	-6463.90	-9648.45
		-9648.45	-1.057e+04	-5.97e-03	0.0	90.0	-3087.92	160.34	-47.21	-9510.87	-1.057e+04	4328.47
143	48	2.012e+04	9432.82	0.03	0.0	0.0	-4560.79	-74.80	47.88	3181.17	5511.62	2.012e+04
		1.324e+04	5511.62	6.36e-03	0.0	90.0	-4279.54	-74.80	47.88	3181.17	9432.82	1.324e+04
143	49	-4391.80	-2541.17	-0.04	0.0	0.0	-2249.11	111.48	7.36	-1.372e+04	-3590.85	-1.333e+04
		-1.333e+04	-3590.85	-7.85e-03	0.0	90.0	-1967.86	111.48	7.36	-1.372e+04	-2541.17	-4391.80
143	51	-4756.56	5430.20	-0.05	0.0	0.0	-2045.66	106.54	53.11	-1.292e+04	292.96	-1.292e+04
		-1.292e+04	292.96	-5.80e-03	0.0	90.0	-1764.41	106.54	53.11	-1.292e+04	5430.20	-4756.56
143	54	1.970e+04	1627.81	0.04	0.0	0.0	-4764.23	-69.86	2.13	2381.74	1627.81	1.970e+04
		1.360e+04	1461.44	4.32e-03	0.0	90.0	-4482.98	-69.86	2.13	2381.74	1461.44	1.360e+04
143	63	5053.00	1.110e+04	-0.02	0.0	0.0	-3036.34	158.47	76.47	-6993.13	4147.25	-7813.32
		-7813.32	4147.25	3.49e-04	0.0	90.0	-2755.09	158.47	76.47	-6993.13	1.110e+04	5053.00
143	66	9112.29	-2540.96	4.36e-03	0.0	0.0	-3767.75	182.12	-15.12	-6173.83	-2540.96	-6534.92
		-6534.92	-3974.23	-2.01e-03	0.0	90.0	-3486.50	182.12	-15.12	-6173.83	-3974.23	9112.29
143	78	1.261e+04	696.49	8.37e-03	0.0	0.0	-4093.19	195.95	5.54	-3652.29	494.25	-3999.20
		-3999.20	494.25	9.34e-04	0.0	90.0	-3811.94	195.95	5.54	-3652.29	696.49	1.261e+04
143	81	1771.14	1787.99	-0.03	0.0	0.0	-2685.35	151.35	34.73	-1.170e+04	-1541.60	-1.087e+04
		-1.087e+04	-1541.60	-5.37e-03	0.0	90.0	-2404.10	151.35	34.73	-1.170e+04	1787.99	1771.14
143	83	1569.31	6143.87	-0.03	0.0	0.0	-2582.49	148.71	59.64	-1.126e+04	587.89	-1.066e+04
		-1.066e+04	587.89	-4.22e-03	0.0	90.0	-2301.24	148.71	59.64	-1.126e+04	6143.87	1569.31

143	86	1.260e+04	1018.40	0.02	0.0	0.0	-4221.59	191.87	1.72	-1902.48	1018.40	-3690.18
		-3690.18	984.48	2.56e-03	0.0	90.0	-3940.34	191.87	1.72	-1902.48	984.48	1.260e+04
143	87	6751.50	3656.65	-8.88e-03	0.0	0.0	-3343.33	162.55	30.54	-6425.99	908.10	-6830.55
		-6830.55	908.10	-6.98e-04	0.0	90.0	-3062.08	162.55	30.54	-6425.99	3656.65	6751.50
143	88	7082.65	3564.18	-9.10e-03	0.0	0.0	-3402.04	170.29	30.68	-6583.48	803.15	-7174.12
		-7174.12	803.15	-8.31e-04	0.0	90.0	-3120.79	170.29	30.68	-6583.48	3564.18	7082.65
143	89	6751.50	3656.65	-8.88e-03	0.0	0.0	-3343.33	162.55	30.54	-6425.99	908.10	-6830.55
		-6830.55	908.10	-6.98e-04	0.0	90.0	-3062.08	162.55	30.54	-6425.99	3656.65	6751.50
143	91	7855.33	3348.41	-9.62e-03	0.0	0.0	-3539.02	188.36	31.00	-6950.97	558.26	-7975.77
		-7975.77	558.26	-1.14e-03	0.0	90.0	-3257.77	188.36	31.00	-6950.97	3348.41	7855.33
143	93	7563.02	3923.48	-9.45e-03	0.0	0.0	-3646.32	182.70	31.95	-6771.38	1047.70	-7744.44
		-7744.44	1047.70	-7.62e-04	0.0	90.0	-3365.07	182.70	31.95	-6771.38	3923.48	7563.02
143	95	8335.70	3707.72	-9.97e-03	0.0	0.0	-3783.31	200.76	32.28	-7138.86	802.81	-8546.10
		-8546.10	802.81	-1.07e-03	0.0	90.0	-3502.06	200.76	32.28	-7138.86	3707.72	8335.70
143	100	6751.50	3656.65	-8.88e-03	0.0	0.0	-3343.33	162.55	30.54	-6425.99	908.10	-6830.55
		-6830.55	908.10	-6.98e-04	0.0	90.0	-3062.08	162.55	30.54	-6425.99	3656.65	6751.50
143	101	7303.41	3502.53	-9.25e-03	0.0	0.0	-3441.18	175.45	30.77	-6688.48	733.18	-7403.16
		-7403.16	733.18	-9.20e-04	0.0	90.0	-3159.93	175.45	30.77	-6688.48	3502.53	7303.41
143	102	6913.80	3710.01	-8.99e-03	0.0	0.0	-3403.93	166.58	30.82	-6495.07	936.02	-7013.33
		-7013.33	936.02	-7.10e-04	0.0	90.0	-3122.68	166.58	30.82	-6495.07	3710.01	6913.80
143	104	7244.95	3617.54	-9.22e-03	0.0	0.0	-3462.64	174.32	30.96	-6652.56	831.07	-7356.90
		-7356.90	831.07	-8.44e-04	0.0	90.0	-3181.39	174.32	30.96	-6652.56	3617.54	7244.95
143	105	6751.50	3656.65	-8.88e-03	0.0	0.0	-3343.33	162.55	30.54	-6425.99	908.10	-6830.55
		-6830.55	908.10	-6.98e-04	0.0	90.0	-3062.08	162.55	30.54	-6425.99	3656.65	6751.50
143	106	7082.65	3564.18	-9.10e-03	0.0	0.0	-3402.04	170.29	30.68	-6583.48	803.15	-7174.12
		-7174.12	803.15	-8.31e-04	0.0	90.0	-3120.79	170.29	30.68	-6583.48	3564.18	7082.65

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-1.527e+05	-8.914e+05	-0.42	-1.62e-03	-1.671e+04	-727.25	-5401.62	-1.372e+04
	1.539e+05	9.283e+05	0.43	1.63e-03	-1725.15	727.39	5188.00	1.179e+04

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
3	9	4.505e+04	32.06	-6.39e-03	-3585.54	0.0	-121.51	3556.20	-0.73	4244.16	32.06	-1.562e+05
		-1.562e+05	-47.11	1.15e-03	0.0	107.8	-121.51	-29.33	-0.73	4244.16	-47.11	4.505e+04
3	11	4.503e+04	33.51	-6.39e-03	-3585.54	0.0	-122.58	3559.16	-0.72	4271.05	33.51	-1.565e+05
		-1.565e+05	-44.47	1.21e-03	0.0	107.8	-122.58	-26.38	-0.72	4271.05	-44.47	4.503e+04
3	16	4.291e+04	29.07	-5.96e-03	-3268.52	0.0	-108.79	3286.84	-0.80	3419.66	29.07	-1.460e+05
		-1.460e+05	-57.63	1.13e-03	0.0	107.8	-108.79	18.32	-0.80	3419.66	-57.63	4.291e+04
3	19	2.919e+04	19.11	-3.98e-03	-2155.34	0.0	-70.67	2190.20	-0.59	2033.04	19.11	-9.815e+04
		-9.815e+04	-44.60	8.23e-04	0.0	107.8	-70.67	34.86	-0.59	2033.04	-44.60	2.919e+04
3	32	6.388e+04	-48.17	-4.30e-03	-2220.36	0.0	401.22	1851.48	-2.17	3386.09	-48.17	-2.517e+04
		-2.517e+04	-328.90	0.01	0.0	107.8	401.22	-368.88	-2.17	3386.09	-328.90	6.165e+04
3	33	-4833.67	269.86	-4.09e-03	-2220.36	0.0	-554.90	2583.45	1.23	1656.42	90.43	-1.709e+05
		-1.709e+05	90.43	-8.69e-03	0.0	107.8	-554.90	363.09	1.23	1656.42	269.86	-4833.67
3	40	5.961e+04	-567.90	-4.63e-03	-2220.36	0.0	-1036.95	2180.21	-3.56	1.112e+04	-567.90	-6.155e+04
		-6.155e+04	-778.83	0.02	0.0	107.8	-1036.95	-40.16	-3.56	1.112e+04	-778.83	5.961e+04
3	41	-2833.33	716.84	-3.37e-03	-2220.36	0.0	887.23	2255.09	2.60	-6096.19	608.91	-1.346e+05
		-1.346e+05	608.91	-0.02	0.0	107.8	887.23	34.73	2.60	-6096.19	716.84	-2833.33
3	43	1.314e+04	663.64	-3.15e-03	-2220.36	0.0	1340.86	2025.20	2.06	-7667.07	663.64	-9.442e+04
		-9.442e+04	653.43	-0.02	0.0	107.8	1340.86	-195.16	2.06	-7667.07	653.43	1.283e+04
3	46	4.395e+04	-622.63	-4.78e-03	-2220.36	0.0	-1490.58	2410.10	-3.02	1.269e+04	-622.63	-1.017e+05
		-1.017e+05	-715.43	0.02	0.0	107.8	-1490.58	189.73	-3.02	1.269e+04	-715.43	4.395e+04
3	64	4.708e+04	-19.98	-3.95e-03	-2220.36	0.0	194.92	2016.98	-1.41	2879.17	-19.98	-5.818e+04
		-5.818e+04	-199.13	5.63e-03	0.0	107.8	194.92	-203.38	-1.41	2879.17	-199.13	4.662e+04
3	65	1.016e+04	137.83	-4.04e-03	-2220.36	0.0	-345.15	2418.83	0.45	2148.86	61.35	-1.380e+05
		-1.380e+05	61.35	-3.96e-03	0.0	107.8	-345.15	198.46	0.45	2148.86	137.83	-1.016e+04
3	72	4.536e+04	-309.29	-4.31e-03	-2220.36	0.0	-575.61	2199.11	-2.18	6861.01	-309.29	-7.867e+04
		-7.867e+04	-457.32	8.40e-03	0.0	107.8	-575.61	-21.26	-2.18	6861.01	-457.32	4.536e+04
3	73	1.142e+04	396.02	-3.62e-03	-2220.36	0.0	425.38	2236.70	1.23	-1832.99	350.66	-1.175e+05
		-1.175e+05	350.66	-6.72e-03	0.0	107.8	425.38	16.34	1.23	-1832.99	396.02	1.142e+04
3	75	2.004e+04	380.14	-3.49e-03	-2220.36	0.0	673.63	2110.15	0.94	-2693.81	380.14	-9.541e+04
		-9.541e+04	361.65	-7.26e-03	0.0	107.8	673.63	-110.21	0.94	-2693.81	361.65	2.004e+04
3	78	3.673e+04	-338.77	-4.44e-03	-2220.36	0.0	-823.86	2325.66	-1.89	7721.84	-338.77	-1.008e+05
		-1.008e+05	-422.94	8.93e-03	0.0	107.8	-823.86	105.29	-1.89	7721.84	-422.94	3.673e+04
3	87	2.840e+04	20.27	-3.96e-03	-2220.36	0.0	-74.81	2217.06	-0.48	2506.33	20.27	-9.800e+04
		-9.800e+04	-31.40	8.17e-04	0.0	107.8	-74.81	-3.30	-0.48	2506.33	-31.40	2.840e+04
3	88	2.839e+04	20.69	-3.96e-03	-2220.36	0.0	-75.12	2217.90	-0.48	2514.01	20.69	-9.810e+04
		-9.810e+04	-30.65	8.36e-04	0.0	107.8	-75.12	-2.46	-0.48	2514.01	-30.65	2.839e+04
3	93	3.332e+04	23.62	-4.71e-03	-2643.05	0.0	-89.40	2624.41	-0.55	3100.61	23.62	-1.154e+05
		-1.154e+05	-35.38	8.63e-04	0.0	107.8	-89.40	-18.65	-0.55	3100.61	-35.38	3.332e+04
3	95	3.330e+04	24.59	-4.71e-03	-2643.05	0.0	-90.12	2626.38	-0.54	3118.54	24.59	-1.156e+05
		-1.156e+05	-33.63	9.07e-04	0.0	107.8	-90.12	-16.68	-0.54	3118.54	-33.63	3.330e+04
3	96	2.943e+04	19.95	-4.05e-03	-2220.36	0.0	-73.63	2241.16	-0.56	2253.80	19.95	-9.991e+04
		-9.991e+04	-40.41	8.30e-04	0.0	107.8	-73.63	20.79	-0.56	2253.80	-40.41	2.943e+04
3	97	3.189e+04	21.63	-4.42e-03	-2431.71	0.0	-80.92	2444.83	-0.59	2550.95	21.63	-1.086e+05
		-1.086e+05	-42.40	8.53e-04	0.0	107.8	-80.92	13.12	-0.59	2550.95	-42.40	3.189e+04
3	100	2.840e+04	20.27	-3.96e-03	-2220.36	0.0	-74.81	2217.06	-0.48	2506.33	20.27	-9.800e+04
		-9.800e+04	-31.40	8.17e-04	0.0	107.8	-74.81	-3.30	-0.48	2506.33	-31.40	2.840e+04
3	102	2.938e+04	20.94	-4.11e-03	-2304.90	0.0	-77.73	2298.53	-0.49	2625.19	20.94	-1.015e+05

		-1.015e+05	-32.20	8.27e-04	0.0	107.8	-77.73	-6.37	-0.49	2625.19	-32.20	2.938e+04
3	104	2.937e+04	21.36	-4.11e-03	-2304.90	0.0	-78.03	2299.37	-0.49	2632.87	21.36	-1.016e+05
		-1.016e+05	-31.45	8.45e-04	0.0	107.8	-78.03	-5.53	-0.49	2632.87	-31.45	2.937e+04
3	105	2.840e+04	20.27	-3.96e-03	-2220.36	0.0	-74.81	2217.06	-0.48	2506.33	20.27	-9.800e+04
		-9.800e+04	-31.40	8.17e-04	0.0	107.8	-74.81	-3.30	-0.48	2506.33	-31.40	2.840e+04
3	106	2.839e+04	20.69	-3.96e-03	-2220.36	0.0	-75.12	2217.90	-0.48	2514.01	20.69	-9.810e+04
		-9.810e+04	-30.65	8.36e-04	0.0	107.8	-75.12	-2.46	-0.48	2514.01	-30.65	2.839e+04
4	7	-2071.49	1479.97	-3.37e-03	-551.26	0.0	731.30	-107.95	235.31	-3.133e+04	-9138.67	-2266.83
		-3.015e+04	-9138.67	1.18e-03	0.0	120.0	731.30	-659.21	235.31	-3.133e+04	1479.97	-3.015e+04
4	9	1613.62	2213.64	-3.43e-03	-821.04	0.0	1135.55	-248.03	376.46	-4.994e+04	-1.471e+04	1613.62
		-4.915e+04	-1.471e+04	1.49e-03	0.0	120.0	1135.55	-1069.07	376.46	-4.994e+04	2213.64	-4.915e+04
4	11	1429.26	2202.68	-3.83e-03	-821.04	0.0	1130.39	-225.36	377.18	-5.012e+04	-1.477e+04	1429.26
		-4.634e+04	-1.477e+04	1.57e-03	0.0	120.0	1130.39	-1046.40	377.18	-5.012e+04	2202.68	-4.634e+04
4	16	-4437.12	2385.12	-3.65e-03	-778.80	0.0	1133.26	-253.59	361.73	-4.796e+04	-1.389e+04	-4437.12
		-5.402e+04	-1.389e+04	1.45e-03	0.0	120.0	1133.26	-1032.39	361.73	-4.796e+04	2385.12	-5.402e+04
4	38	-1.406e+04	769.11	0.02	-559.92	0.0	742.67	-737.66	286.42	-7.613e+04	-1.581e+04	-1.406e+04
		-1.321e+05	-1.581e+04	-8.14e-04	0.0	120.0	742.67	-1297.58	286.42	-7.613e+04	769.11	-1.321e+05
4	43	9.763e+04	2485.99	-0.06	-559.92	0.0	1013.55	537.54	219.98	-1.370e+04	-6035.12	4.585e+04
		4.585e+04	-6035.12	0.01	0.0	120.0	1013.55	-22.38	219.98	-1.370e+04	2485.99	9.763e+04
4	48	-9.017e+04	1682.33	0.08	-559.92	0.0	404.45	-1116.57	235.16	-2.555e+04	-9404.81	-9.017e+04
		-2.618e+05	-9404.81	-5.88e-03	0.0	120.0	404.45	-1676.49	235.16	-2.555e+04	1682.33	-2.618e+05
4	49	1.933e+05	1345.08	-0.08	-559.92	0.0	1096.39	821.14	244.82	-3.819e+04	-9197.03	8.812e+04
		8.812e+04	-9197.03	8.04e-03	0.0	120.0	1096.39	261.22	244.82	-3.819e+04	1345.08	1.933e+05
4	63	1.414e+04	1994.59	-0.01	-559.92	0.0	744.94	148.62	214.67	-7765.76	-5854.93	-271.93
		-271.93	-5854.93	3.45e-03	0.0	120.0	744.94	-411.30	214.67	-7765.76	1994.59	1.019e+04
4	70	-8520.78	1148.25	0.01	-559.92	0.0	754.38	-501.03	266.53	-5.622e+04	-1.285e+04	-8520.78
		-9.193e+04	-1.285e+04	-5.28e-04	0.0	120.0	754.38	-1060.95	266.53	-5.622e+04	1148.25	-9.193e+04
4	80	-5.030e+04	1745.21	0.04	-559.92	0.0	587.28	-785.81	240.67	-2.852e+04	-9261.85	-5.030e+04
		-1.728e+05	-9261.85	-4.53e-03	0.0	120.0	587.28	-1345.73	240.67	-2.852e+04	1745.21	-1.728e+05
4	81	1.058e+05	1282.46	-0.05	-559.92	0.0	915.26	511.40	240.39	-3.537e+04	-9385.99	4.685e+04
		4.685e+04	-9385.99	6.71e-03	0.0	120.0	915.26	-48.52	240.39	-3.537e+04	1282.46	1.058e+05
4	87	-1670.44	1516.96	-2.82e-03	-559.92	0.0	752.74	-143.68	240.33	-3.189e+04	-9307.98	-1670.44
		-3.429e+04	-9307.98	1.06e-03	0.0	120.0	752.74	-703.60	240.33	-3.189e+04	1516.96	-3.429e+04
4	88	-1723.12	1513.83	-2.94e-03	-559.92	0.0	751.27	-137.20	240.53	-3.194e+04	-9323.92	-1723.12
		-3.349e+04	-9323.92	1.09e-03	0.0	120.0	751.27	-697.13	240.53	-3.194e+04	1513.83	-3.349e+04
4	91	-1738.41	1506.52	-3.20e-03	-559.92	0.0	747.83	-122.09	241.00	-3.206e+04	-9361.10	-1738.41
		-3.162e+04	-9361.10	1.15e-03	0.0	120.0	747.83	-682.01	241.00	-3.206e+04	1506.52	-3.162e+04
4	93	631.02	1663.80	-2.65e-03	-616.24	0.0	848.02	-182.28	279.00	-3.701e+04	-1.088e+04	631.02
		-3.725e+04	-1.088e+04	1.12e-03	0.0	120.0	848.02	-798.52	279.00	-3.701e+04	1663.80	-3.725e+04
4	95	508.11	1656.49	-2.92e-03	-616.24	0.0	844.58	-167.17	279.47	-3.713e+04	-1.092e+04	508.11
		-3.538e+04	-1.092e+04	1.17e-03	0.0	120.0	844.58	-783.41	279.47	-3.713e+04	1656.49	-3.538e+04
4	97	-3402.81	1778.12	-2.80e-03	-588.08	0.0	846.49	-185.98	269.17	-3.569e+04	-1.033e+04	-3402.81
		-4.050e+04	-1.033e+04	1.10e-03	0.0	120.0	846.49	-774.06	269.17	-3.569e+04	1778.12	-4.050e+04
4	101	-1739.55	1511.74	-3.01e-03	-559.92	0.0	750.29	-132.89	240.67	-3.198e+04	-9334.54	-1739.55
		-3.295e+04	-9334.54	1.11e-03	0.0	120.0	750.29	-692.81	240.67	-3.198e+04	1511.74	-3.295e+04
4	102	-1210.15	1546.33	-2.79e-03	-571.18	0.0	771.80	-151.40	248.06	-3.292e+04	-9623.38	-1210.15
		-3.488e+04	-9623.38	1.07e-03	0.0	120.0	771.80	-722.59	248.06	-3.292e+04	1546.33	-3.488e+04
4	104	-1262.83	1543.20	-2.90e-03	-571.18	0.0	770.32	-144.92	248.27	-3.297e+04	-9639.32	-1262.83
		-3.408e+04	-9639.32	1.10e-03	0.0	120.0	770.32	-716.11	248.27	-3.297e+04	1543.20	-3.408e+04
4	105	-1670.44	1516.96	-2.82e-03	-559.92	0.0	752.74	-143.68	240.33	-3.189e+04	-9307.98	-1670.44
		-3.429e+04	-9307.98	1.06e-03	0.0	120.0	752.74	-703.60	240.33	-3.189e+04	1516.96	-3.429e+04
4	106	-1723.12	1513.83	-2.94e-03	-559.92	0.0	751.27	-137.20	240.53	-3.194e+04	-9323.92	-1723.12
		-3.349e+04	-9323.92	1.09e-03	0.0	120.0	751.27	-697.13	240.53	-3.194e+04	1513.83	-3.349e+04
5	5	2.112e+04	495.43	2.80e-03	-2889.17	0.0	132.51	2575.52	3.94	-4233.19	-74.30	-1.517e+05
		-1.517e+05	-74.30	1.42e-03	0.0	144.5	132.51	-313.65	3.94	-4233.19	495.43	1.959e+04
5	9	3.372e+04	782.38	4.61e-03	-4806.31	0.0	182.74	4232.19	6.25	-6454.20	-120.04	-2.470e+05
		-2.470e+05	-120.04	2.04e-03	0.0	144.5	182.74	-574.13	6.25	-6454.20	782.38	3.042e+04
5	11	3.517e+04	778.26	5.40e-03	-4806.31	0.0	190.93	4235.18	6.25	-6652.90	-124.87	-2.459e+05
		-2.459e+05	-124.87	2.16e-03	0.0	144.5	190.93	-571.13	6.25	-6652.90	778.26	3.190e+04
5	18	3.348e+04	767.28	5.31e-03	-4381.36	0.0	195.68	3918.64	6.22	-6534.66	-131.11	-2.304e+05
		-2.304e+05	-131.11	2.12e-03	0.0	144.5	195.68	-462.72	6.22	-6534.66	767.28	3.129e+04
5	31	1.660e+05	1730.08	-0.01	-2976.34	0.0	3108.23	1568.45	13.39	-4304.63	-254.77	1.007e+05
		1.007e+05	-254.77	2.92e-03	0.0	144.5	3108.23	-1407.89	13.39	-4304.63	1730.08	1.226e+05
5	34	-8.163e+04	93.88	0.02	-2976.34	0.0	-2828.21	3728.71	-5.24	-4084.88	93.88	-4.115e+05
		-4.115e+05	-713.76	1.16e-04	0.0	144.5	-2828.21	752.37	-5.24	-4084.88	-713.76	-8.163e+04
5	39	1.035e+05	2054.21	0.02	-2976.34	0.0	5328.75	1850.42	14.99	-8671.35	-254.29	1.105e+04
		1.105e+04	-254.29	-7.85e-03	0.0	144.5	5328.75	-1125.92	14.99	-8671.35	2054.21	7.835e+04
5	42	-3.767e+04	77.59	-0.01	-2976.34	0.0	-5060.18	3443.29	-6.68	1156.26	77.59	-3.223e+05
		-3.223e+05	-1029.50	0.01	0.0	144.5	-5060.18	466.95	-6.68	1156.26	-1029.50	-3.767e+04
5	63	9.444e+04	1178.53	-4.68e-03	-2976.34	0.0	1781.79	2042.82	9.14	-4485.37	-170.01	-1.311e+04
		-1.311e+04	-170.01	2.93e-03	0.0	144.5	1781.79	-933.52	9.14	-4485.37	1178.53	7.612e+04
5	66	-3.499e+04	13.87	9.66e-03	-2976.34	0.0	-1508.85	3257.21	-1.07	-4289.15	13.87	-2.977e+05
		-2.977e+05	-167.83	3.47e-05	0.0	144.5	-1508.85	280.88	-1.07	-4289.15	-167.83	-3.499e+04
5	71	6.334e+04	1356.15	0.01	-2976.34	0.0	3034.19	2168.41	9.93	-7129.71	-157.98	-5.905e+04
		-5.905e+04	-157.98	-1.46e-03	0.0	144.5	3034.19	-807.93	9.93	-7129.71	1356.15	5.038e+04
5	74	-9242.95	1.84	-7.95e-03	-2976.34	0.0	-2761.25	3131.63	-1.86	-1644.81	1.84	-2.517e+05
		-2.517e+05	-345.45	4.42e-03	0.0	144.5	-2761.25	155.29	-1.86	-1644.81	-345.45	-9242.95
5	87	2.175e+04	506.52	2.96e-03	-2976.34	0.0	134.13	2649.16	4.04	-4330.49	-76.69	-1.557e+05
		-1.557e+05	-76.69	1.45e-03	0.0	144.5	134.13	-327.18	4.04	-4330.49	506.52	2.014e+04
5	88	2.217e+04	505.35	3.18e-03	-2976.34	0.0	136.47	2650.02	4.04	-4387.26	-78.07	-1.554e+05

		-1.554e+05	-78.07	1.48e-03	0.0	144.5	136.47	-326.32	4.04	-4387.26	505.35	2.057e+04
5	89	2.175e+04	506.52	2.96e-03	-2976.34	0.0	134.13	2649.16	4.04	-4330.49	-76.69	-1.557e+05
		-1.557e+05	-76.69	1.45e-03	0.0	144.5	134.13	-327.18	4.04	-4330.49	506.52	2.014e+04
5	93	2.493e+04	581.73	3.37e-03	-3542.94	0.0	138.63	3125.59	4.64	-4815.33	-88.66	-1.828e+05
		-1.828e+05	-88.66	1.54e-03	0.0	144.5	138.63	-417.35	4.64	-4815.33	581.73	2.260e+04
5	95	2.589e+04	578.98	3.89e-03	-3542.94	0.0	144.08	3127.58	4.64	-4947.80	-91.87	-1.611e+05
		-1.820e+05	-91.87	1.61e-03	0.0	144.5	144.08	-415.36	4.64	-4947.80	578.98	2.359e+04
5	99	2.480e+04	571.66	3.83e-03	-3259.64	0.0	147.25	2916.56	4.62	-4868.97	-96.04	-1.717e+05
		-1.717e+05	-96.04	1.59e-03	0.0	144.5	147.25	-343.08	4.62	-4868.97	571.66	2.318e+04
5	100	2.175e+04	506.52	2.96e-03	-2976.34	0.0	134.13	2649.16	4.04	-4330.49	-76.69	-1.557e+05
		-1.557e+05	-76.69	1.45e-03	0.0	144.5	134.13	-327.18	4.04	-4330.49	506.52	2.014e+04
5	101	2.245e+04	504.56	3.33e-03	-2976.34	0.0	138.03	2650.59	4.04	-4425.11	-78.99	-1.552e+05
		-1.552e+05	-78.99	1.50e-03	0.0	144.5	138.03	-325.75	4.04	-4425.11	504.56	2.085e+04
5	102	2.235e+04	521.57	3.04e-03	-3089.66	0.0	135.03	2744.45	4.16	-4427.46	-79.09	-1.611e+05
		-1.611e+05	-79.09	1.47e-03	0.0	144.5	135.03	-345.21	4.16	-4427.46	521.57	2.063e+04
5	104	2.277e+04	520.39	3.26e-03	-3089.66	0.0	137.37	2745.30	4.16	-4484.23	-80.46	-1.608e+05
		-1.608e+05	-80.46	1.50e-03	0.0	144.5	137.37	-344.36	4.16	-4484.23	520.39	2.106e+04
5	105	2.175e+04	506.52	2.96e-03	-2976.34	0.0	134.13	2649.16	4.04	-4330.49	-76.69	-1.557e+05
		-1.557e+05	-76.69	1.45e-03	0.0	144.5	134.13	-327.18	4.04	-4330.49	506.52	2.014e+04
5	106	2.217e+04	505.35	3.18e-03	-2976.34	0.0	136.47	2650.02	4.04	-4387.26	-78.07	-1.554e+05
		-1.554e+05	-78.07	1.48e-03	0.0	144.5	136.47	-326.32	4.04	-4387.26	505.35	2.057e+04
6	4	3.169e+04	720.12	7.09e-03	-3714.32	0.0	239.53	219.83	-21.23	642.47	720.12	3.167e+04
		-1.814e+05	-1881.05	2.04e-03	0.0	122.5	239.53	-3494.48	-21.23	642.47	-1881.05	-1.814e+05
6	5	2.015e+04	495.44	3.67e-03	-2449.31	0.0	165.43	135.53	-12.91	-67.29	495.44	2.015e+04
		-1.219e+05	-1085.99	1.36e-03	0.0	122.5	165.43	-2313.78	-12.91	-67.29	-1085.99	-1.219e+05
6	9	3.177e+04	782.41	5.86e-03	-4074.57	0.0	231.09	244.25	-19.78	1709.54	782.41	3.169e+04
		-2.011e+05	-1641.13	1.98e-03	0.0	122.5	231.09	-3830.32	-19.78	1709.54	-1641.13	-2.011e+05
6	11	3.321e+04	778.29	6.92e-03	-4074.57	0.0	240.82	246.28	-21.52	1487.99	778.29	3.313e+04
		-1.995e+05	-1857.88	2.08e-03	0.0	122.5	240.82	-3828.29	-21.52	1487.99	-1857.88	-1.995e+05
6	18	3.201e+04	767.30	6.70e-03	-3714.32	0.0	246.72	186.90	-21.09	-743.91	767.30	3.201e+04
		-1.862e+05	-1815.87	2.04e-03	0.0	122.5	246.72	-3527.42	-21.09	-743.91	-1815.87	-1.862e+05
6	35	-3.096e+04	1707.90	0.01	-2523.20	0.0	2102.73	-1011.17	-65.91	3728.74	1707.90	-3.096e+04
		-3.173e+05	-6419.52	0.03	0.0	122.5	2102.73	-3534.38	-65.91	3728.74	-6419.52	-3.173e+05
6	39	-5.056e+04	2054.32	0.02	-2523.20	0.0	5491.92	-635.29	-62.02	-3449.92	2054.32	-5.056e+04
		-2.897e+05	-6574.26	-8.56e-03	0.0	122.5	5491.92	-3158.49	-62.02	-3449.92	-6574.26	-2.897e+05
6	42	1.095e+05	4330.34	-0.01	-2523.20	0.0	-5152.99	912.65	35.34	4722.33	-1029.57	9.286e+04
		3.999e+04	-1029.57	0.01	0.0	122.5	-5152.99	-1610.55	35.34	4722.33	4330.34	3.999e+04
6	47	-6.330e+04	1980.18	0.02	-2523.20	0.0	2550.33	-609.80	-79.54	5099.12	1980.18	-6.330e+04
		-2.998e+05	-7871.17	8.64e-03	0.0	122.5	2550.33	-3133.00	-79.54	5099.12	-7871.17	-2.998e+05
6	50	1.215e+05	5627.25	-0.01	-2523.20	0.0	-2211.40	887.16	52.85	-3826.71	-345.43	1.056e+05
		5.015e+04	-955.43	-5.85e-03	0.0	122.5	-2211.40	-1636.04	52.85	-3826.71	5627.25	5.015e+04
6	54	1.226e+05	5565.62	-0.01	-2523.20	0.0	-2154.93	897.74	52.11	-3751.44	-917.08	1.063e+05
		5.221e+04	-917.08	-0.02	0.0	122.5	-2154.93	-1625.47	52.11	-3751.44	5565.62	5.221e+04
6	67	-8155.19	1165.37	9.67e-03	-2523.20	0.0	1239.46	-504.11	-42.52	1934.42	1165.37	-8155.19
		-2.330e+05	-4070.99	0.02	0.0	122.5	1239.46	-3027.32	-42.52	1934.42	-4070.99	-2.330e+05
6	71	-2.059e+04	1356.24	0.01	-2523.20	0.0	3144.03	-325.50	-40.50	-2250.48	1356.24	-2.059e+04
		-2.233e+05	-4169.71	-2.22e-03	0.0	122.5	3144.03	-2848.70	-40.50	-2250.48	-4169.71	-2.233e+05
6	74	6.970e+04	1795.71	-4.74e-03	-2523.20	0.0	-2803.16	609.39	12.87	2246.59	-301.51	6.289e+04
		-2.639e+04	-345.51	5.05e-03	0.0	122.5	-2803.16	-1913.82	12.87	2246.59	1795.71	-2.639e+04
6	79	-2.760e+04	1312.24	0.01	-2523.20	0.0	1507.63	-311.47	-50.14	2425.60	1312.24	-2.760e+04
		-2.289e+05	-4883.60	7.24e-03	0.0	122.5	1507.63	-2834.68	-50.14	2425.60	-4883.60	-2.289e+05
6	82	7.644e+04	2509.61	-5.19e-03	-2523.20	0.0	-1166.76	595.36	22.50	-2429.49	-301.51	6.991e+04
		-2.080e+04	-301.51	-4.42e-03	0.0	122.5	-1166.76	-1927.84	22.50	-2429.49	2509.61	-2.080e+04
6	86	7.697e+04	2475.94	-5.24e-03	-2523.20	0.0	-1135.35	601.20	22.10	-2387.96	-280.69	7.029e+04
		-1.966e+04	-280.69	-0.01	0.0	122.5	-1135.35	-1922.01	22.10	-2387.96	2475.94	-1.966e+04
6	87	2.074e+04	506.54	3.86e-03	-2523.20	0.0	167.66	141.36	-13.32	61.36	506.54	2.074e+04
		-1.253e+05	-1125.07	1.39e-03	0.0	122.5	167.66	-2381.84	-13.32	61.36	-1125.07	-1.253e+05
6	88	2.115e+04	505.37	4.16e-03	-2523.20	0.0	170.44	141.95	-13.82	-1.94	505.37	2.115e+04
		-1.248e+05	-1187.00	1.41e-03	0.0	122.5	170.44	-2381.26	-13.82	-1.94	-1187.00	-1.248e+05
6	89	2.074e+04	506.54	3.86e-03	-2523.20	0.0	167.66	141.36	-13.32	61.36	506.54	2.074e+04
		-1.253e+05	-1125.07	1.39e-03	0.0	122.5	167.66	-2381.84	-13.32	61.36	-1125.07	-1.253e+05
6	92	2.349e+04	540.22	5.11e-03	-2763.37	0.0	180.55	161.51	-15.66	350.73	540.22	2.349e+04
		-1.354e+05	-1377.99	1.53e-03	0.0	122.5	180.55	-2601.86	-15.66	350.73	-1377.99	-1.354e+05
6	93	2.353e+04	581.75	4.30e-03	-3003.54	0.0	174.93	177.79	-14.69	1062.11	581.75	2.350e+04
		-1.485e+05	-1218.04	1.49e-03	0.0	122.5	174.93	-2825.75	-14.69	1062.11	-1218.04	-1.485e+05
6	95	2.449e+04	579.00	5.00e-03	-3003.54	0.0	181.41	179.15	-15.85	914.41	579.00	2.446e+04
		-1.475e+05	-1362.55	1.55e-03	0.0	122.5	181.41	-2824.40	-15.85	914.41	-1362.55	-1.475e+05
6	99	2.371e+04	571.68	4.85e-03	-2763.37	0.0	185.35	139.56	-15.56	-573.52	571.68	2.371e+04
		-1.386e+05	-1334.54	1.53e-03	0.0	122.5	185.35	-2623.82	-15.56	-573.52	-1334.54	-1.386e+05
6	100	2.074e+04	506.54	3.86e-03	-2523.20	0.0	167.66	141.36	-13.32	61.36	506.54	2.074e+04
		-1.253e+05	-1125.07	1.39e-03	0.0	122.5	167.66	-2381.84	-13.32	61.36	-1125.07	-1.253e+05
6	101	2.142e+04	504.58	4.37e-03	-2523.20	0.0	172.29	142.33	-14.15	-44.14	504.58	2.142e+04
		-1.245e+05	-1228.29	1.43e-03	0.0	122.5	172.29	-2380.87	-14.15	-44.14	-1228.29	-1.245e+05
6	102	2.129e+04	521.58	3.95e-03	-2619.27	0.0	169.11	148.65	-13.59	261.51	521.58	2.129e+04
		-1.299e+05	-1143.66	1.41e-03	0.0	122.5	169.11	-2470.62	-13.59	261.51	-1143.66	-1.299e+05
6	104	2.170e+04	520.41	4.24e-03	-2619.27	0.0	171.89	149.23	-14.09	198.21	520.41	2.170e+04
		-1.295e+05	-1205.59	1.43e-03	0.0	122.5	171.89	-2470.04	-14.09	198.21	-1205.59	-1.295e+05
6	105	2.074e+04	506.54	3.86e-03	-2523.20	0.0	167.66	141.36	-13.32	61.36	506.54	2.074e+04
		-1.253e+05	-1125.07	1.39e-03	0.0	122.5	167.66	-2381.84	-13.32	61.36	-1125.07	-1.253e+05
6	106	2.115e+04	505.37	4.16e-03	-2523.20	0.0	170.44	141.95	-13.82	-1.94	505.37	2.115e+04

		-1.248e+05	-1187.00	1.41e-03	0.0	122.5	170.44	-2381.26	-13.82	-1.94	-1187.00	-1.248e+05
9	7	3.032e+04	-27.31	1.23e-03	-2199.69	0.0	-72.67	341.92	-0.63	-1657.34	-27.31	2.814e+04
		-6.028e+04	-96.71	8.90e-04	0.0	110.0	-72.67	-1857.77	-0.63	-1657.34	-96.71	-6.028e+04
9	9	5.008e+04	-47.09	2.08e-03	-3659.32	0.0	-117.12	596.44	-0.89	-3393.49	-47.09	4.599e+04
		-9.742e+04	-145.50	1.13e-03	0.0	110.0	-117.12	-3062.88	-0.89	-3393.49	-145.50	-9.742e+04
9	11	5.010e+04	-44.45	2.06e-03	-3659.32	0.0	-118.92	599.38	-0.93	-3364.59	-44.45	4.597e+04
		-9.711e+04	-146.57	1.20e-03	0.0	110.0	-118.92	-3059.94	-0.93	-3364.59	-146.57	-9.711e+04
9	18	4.689e+04	-54.97	1.94e-03	-3335.78	0.0	-105.27	508.41	-0.88	-2433.28	-54.97	4.373e+04
		-9.159e+04	-151.65	1.18e-03	0.0	110.0	-105.27	-2827.37	-0.88	-2433.28	-151.65	-9.159e+04
9	19	3.141e+04	-44.58	1.30e-03	-2199.69	0.0	-66.78	310.11	-0.59	-1249.90	-44.58	2.973e+04
		-6.271e+04	-108.96	8.13e-04	0.0	110.0	-66.78	-1889.58	-0.59	-1249.90	-108.96	-6.271e+04
9	31	1.886e+04	216.03	4.56e-03	-2266.05	0.0	1039.53	-25.52	-0.32	-7173.32	216.03	1.886e+04
		-1.130e+05	97.28	-8.77e-04	0.0	110.0	1039.53	-2291.58	-0.32	-7173.32	97.28	-1.130e+05
9	41	1.426e+04	716.62	-3.31e-03	-2266.05	0.0	1255.38	361.04	-1.92	-9820.62	716.62	1.184e+04
		-7.792e+04	545.34	-0.02	0.0	110.0	1255.38	-1905.01	-1.92	-9820.62	545.34	-7.792e+04
9	43	9409.00	653.25	-7.55e-04	-2266.05	0.0	1610.13	154.50	-1.56	-1.171e+04	653.25	9105.57
		-1.029e+05	608.13	-0.02	0.0	110.0	1610.13	-2111.55	-1.56	-1.171e+04	608.13	-1.029e+05
9	46	5.460e+04	-715.21	3.32e-03	-2266.05	0.0	-1755.33	548.77	0.36	8134.61	-715.21	4.878e+04
		-2.142e+04	-802.66	0.02	0.0	110.0	-1755.33	-1717.28	0.36	8134.61	-802.66	-2.142e+04
9	63	2.365e+04	72.45	3.03e-03	-2266.05	0.0	528.38	143.75	-0.50	-4632.48	72.45	2.345e+04
		-9.021e+04	44.65	3.66e-04	0.0	110.0	528.38	-2122.30	-0.50	-4632.48	44.65	-9.021e+04
9	73	2.191e+04	395.93	-1.19e-03	-2266.05	0.0	626.68	355.32	-1.48	-5819.60	395.93	1.963e+04
		-7.116e+04	249.89	-6.86e-03	0.0	110.0	626.68	-1910.73	-1.48	-5819.60	249.89	-7.116e+04
9	75	1.900e+04	361.58	4.12e-04	-2266.05	0.0	820.28	241.57	-1.29	-6857.76	361.58	1.814e+04
		-8.491e+04	283.94	-7.40e-03	0.0	110.0	820.28	-2024.48	-1.29	-6857.76	283.94	-8.491e+04
9	78	4.390e+04	-422.85	2.38e-03	-2266.05	0.0	-966.16	462.21	0.08	3285.64	-422.85	3.974e+04
		-3.936e+04	-478.74	9.05e-03	0.0	110.0	-966.16	-1803.84	0.08	3285.64	-478.74	-3.936e+04
9	87	3.118e+04	-31.39	1.29e-03	-2266.05	0.0	-72.43	351.05	-0.60	-1794.32	-31.39	2.895e+04
		-6.222e+04	-97.09	8.10e-04	0.0	110.0	-72.43	-1915.00	-0.60	-1794.32	-97.09	-6.222e+04
9	88	3.119e+04	-30.63	1.28e-03	-2266.05	0.0	-72.94	351.89	-0.61	-1786.06	-30.63	2.894e+04
		-6.213e+04	-97.40	8.29e-04	0.0	110.0	-72.94	-1914.16	-0.61	-1786.06	-97.40	-6.213e+04
9	91	3.120e+04	-28.88	1.27e-03	-2266.05	0.0	-74.14	353.85	-0.63	-1766.79	-28.88	2.892e+04
		-6.193e+04	-98.11	8.73e-04	0.0	110.0	-74.14	-1912.20	-0.63	-1766.79	-98.11	-6.193e+04
9	93	3.695e+04	-35.37	1.53e-03	-2697.44	0.0	-86.19	435.54	-0.67	-2437.78	-35.37	3.400e+04
		-7.224e+04	-108.68	8.54e-04	0.0	110.0	-86.19	-2261.90	-0.67	-2437.78	-108.68	-7.224e+04
9	95	3.696e+04	-33.61	1.52e-03	-2697.44	0.0	-87.39	437.50	-0.69	-2418.51	-33.61	3.399e+04
		-7.203e+04	-109.39	8.98e-04	0.0	110.0	-87.39	-2259.94	-0.69	-2418.51	-109.39	-7.203e+04
9	96	3.193e+04	-40.39	1.32e-03	-2266.05	0.0	-70.21	332.65	-0.60	-1495.17	-40.39	2.999e+04
		-6.355e+04	-106.28	8.22e-04	0.0	110.0	-70.21	-1933.41	-0.60	-1495.17	-106.28	-6.355e+04
9	99	3.482e+04	-40.62	1.44e-03	-2481.75	0.0	-78.29	376.85	-0.66	-1797.63	-40.62	3.250e+04
		-6.836e+04	-112.78	8.87e-04	0.0	110.0	-78.29	-2104.89	-0.66	-1797.63	-112.78	-6.836e+04
9	100	3.118e+04	-31.39	1.29e-03	-2266.05	0.0	-72.43	351.05	-0.60	-1794.32	-31.39	2.895e+04
		-6.222e+04	-97.09	8.10e-04	0.0	110.0	-72.43	-1915.00	-0.60	-1794.32	-97.09	-6.222e+04
9	101	3.119e+04	-30.13	1.28e-03	-2266.05	0.0	-73.28	352.45	-0.61	-1780.55	-30.13	2.893e+04
		-6.208e+04	-97.60	8.41e-04	0.0	110.0	-73.28	-1913.60	-0.61	-1780.55	-97.60	-6.208e+04
9	102	3.234e+04	-32.18	1.33e-03	-2352.33	0.0	-75.18	367.95	-0.61	-1923.01	-32.18	2.996e+04
		-6.422e+04	-99.41	8.19e-04	0.0	110.0	-75.18	-1984.38	-0.61	-1923.01	-99.41	-6.422e+04
9	104	3.234e+04	-31.43	1.33e-03	-2352.33	0.0	-75.70	368.79	-0.62	-1914.75	-31.43	2.995e+04
		-6.414e+04	-99.71	8.38e-04	0.0	110.0	-75.70	-1983.54	-0.62	-1914.75	-99.71	-6.414e+04
9	105	3.118e+04	-31.39	1.29e-03	-2266.05	0.0	-72.43	351.05	-0.60	-1794.32	-31.39	2.895e+04
		-6.222e+04	-97.09	8.10e-04	0.0	110.0	-72.43	-1915.00	-0.60	-1794.32	-97.09	-6.222e+04
9	106	3.119e+04	-30.63	1.28e-03	-2266.05	0.0	-72.94	351.89	-0.61	-1786.06	-30.63	2.894e+04
		-6.213e+04	-97.40	8.29e-04	0.0	110.0	-72.94	-1914.16	-0.61	-1786.06	-97.40	-6.213e+04
10	7	-1479.19	14.61	1.20e-03	-1839.47	0.0	-123.32	-775.54	-0.20	-3457.27	14.61	-1479.19
		-1.649e+05	-4.12	9.90e-04	0.0	92.0	-123.32	-2615.01	-0.20	-3457.27	-4.12	-1.649e+05
10	9	-3225.48	16.24	1.79e-03	-3060.08	0.0	-157.68	-1233.87	-0.14	-6493.00	16.24	-3225.48
		-2.694e+05	3.26	1.26e-03	0.0	92.0	-157.68	-4293.95	-0.14	-6493.00	3.26	-2.694e+05
10	11	-2855.43	21.89	1.88e-03	-3060.08	0.0	-171.21	-1230.20	-0.26	-6506.34	21.89	-2855.43
		-2.687e+05	-2.01	1.33e-03	0.0	92.0	-171.21	-4290.27	-0.26	-6506.34	-2.01	-2.687e+05
10	19	-1935.15	23.72	1.18e-03	-1839.47	0.0	-101.91	-842.01	0.34	-2578.13	23.72	-1935.15
		-1.721e+05	-7.75	9.01e-04	0.0	92.0	-101.91	-2681.49	0.34	-2578.13	-7.75	-1.721e+05
10	20	-2223.43	23.80	1.33e-03	-2110.03	0.0	-109.57	-930.94	0.32	-3395.27	23.80	-2223.43
		-1.939e+05	-5.22	9.38e-04	0.0	92.0	-109.57	-3040.97	0.32	-3395.27	23.80	-1.939e+05
10	32	-1.492e+05	25.15	-8.76e-03	-1894.97	0.0	1247.95	-2444.03	-0.05	2874.35	25.15	-1.492e+05
		-4.689e+05	20.39	3.65e-03	0.0	92.0	1247.95	-4339.00	-0.05	2874.35	20.39	-4.689e+05
10	33	1.598e+05	-5.20	7.35e-03	-1894.97	0.0	-1474.55	851.81	0.11	-1.005e+04	-5.20	1.455e+05
		1.290e+05	-15.11	-1.77e-03	0.0	92.0	-1474.55	-1043.16	0.11	-1.005e+04	-15.11	1.290e+05
10	40	-7.518e+04	-185.85	2.81e-03	-1894.97	0.0	2716.81	-1541.23	4.74	5614.62	-185.85	-7.518e+04
		-3.119e+05	-615.90	4.78e-05	0.0	92.0	2716.81	-3436.20	4.74	5614.62	-615.90	-3.119e+05
10	41	7.115e+04	605.53	1.14e-03	-1894.97	0.0	-2934.34	-53.51	-4.14	-1.263e+04	605.53	7.115e+04
		-2.864e+04	230.38	1.78e-03	0.0	92.0	-2934.34	-1948.48	-4.14	-1.263e+04	230.38	-2.864e+04
10	47	-3.616e+04	1067.74	-3.44e-03	-1894.97	0.0	2053.59	-1166.16	-8.21	-4322.86	1067.74	-3.616e+04
		-2.386e+05	317.41	5.44e-03	0.0	92.0	2053.59	-3061.13	-8.21	-4322.86	317.41	-2.386e+05
10	50	3.213e+04	-272.88	2.09e-03	-1894.97	0.0	-2271.12	-428.58	8.81	-2693.51	-272.88	3.213e+04
		-1.019e+05	-1078.11	-3.62e-03	0.0	92.0	-2271.12	-2323.55	8.81	-2693.51	-1078.11	-1.019e+05
10	64	-8.263e+04	21.06	-5.17e-03	-1894.97	0.0	635.56	-1699.09	-0.12	-131.77	21.06	-8.263e+04
		-3.337e+05	9.65	2.01e-03	0.0	92.0	635.56	-3594.06	-0.12	-131.77	9.65	-3.337e+05
10	65	7.879e+04	-2.41	3.80e-03	-1894.97	0.0	-857.51	103.96	-0.05	-7090.57	-2.41	7.879e+04
		-6537.77	-7.01	-1.65e-04	0.0	92.0	-857.51	-1791.01	-0.05	-7090.57	-7.01	-6537.77
10	72	-4.125e+04	-108.68	2.03e-03	-1894.97	0.0	1444.20	-1193.55	2.37	1182.24	-324.15	-4.125e+04

		-2.457e+05	-324.15	-9.46e-04	0.0	92.0	1444.20	-3088.52	2.37	1182.24	-108.68	-2.457e+05
10	73	3.742e+04	342.80	4.98e-04	-1894.97	0.0	-1666.15	-401.58	-2.55	-8404.58	342.80	3.742e+04
		-9.453e+04	111.32	2.79e-03	0.0	92.0	-1666.15	-2296.55	-2.55	-8404.58	111.32	-9.453e+04
10	79	-2.161e+04	596.89	-2.26e-03	-1894.97	0.0	1061.01	-1013.92	-4.79	-3834.92	596.89	-2.161e+04
		-2.100e+05	158.70	4.81e-03	0.0	92.0	1061.01	-2908.89	-4.79	-3834.92	158.70	-2.100e+05
10	82	1.777e+04	-156.06	1.46e-03	-1894.97	0.0	-1282.96	-581.20	4.62	-3387.41	-578.24	1.777e+04
		-1.302e+05	-578.24	-2.97e-03	0.0	92.0	-1282.96	-2476.17	4.62	-3387.41	-156.06	-1.302e+05
10	87	-2024.69	7.71	1.11e-03	-1894.97	0.0	-107.11	-798.61	-0.05	-3607.36	7.71	-2024.69
		-1.703e+05	2.83	9.00e-04	0.0	92.0	-107.11	-2693.58	-0.05	-3607.36	2.83	-1.703e+05
10	88	-1918.96	9.32	1.14e-03	-1894.97	0.0	-110.97	-797.56	-0.09	-3611.17	9.32	-1918.96
		-1.701e+05	1.32	9.21e-04	0.0	92.0	-110.97	-2692.53	-0.09	-3611.17	1.32	-1.701e+05
10	91	-1672.25	13.09	1.20e-03	-1894.97	0.0	-119.99	-795.11	-0.17	-3620.06	13.09	-1672.25
		-1.696e+05	-2.20	9.71e-04	0.0	92.0	-119.99	-2690.08	-0.17	-3620.06	-2.20	-1.696e+05
10	93	-2409.05	11.08	1.32e-03	-2255.71	0.0	-117.32	-917.18	-0.09	-4696.88	11.08	-2409.05
		-1.994e+05	2.94	9.48e-04	0.0	92.0	-117.32	-3172.90	-0.09	-4696.88	2.94	-1.994e+05
10	95	-2162.35	14.85	1.37e-03	-2255.71	0.0	-126.34	-914.73	-0.17	-4705.78	14.85	-2162.35
		-1.989e+05	-0.58	9.98e-04	0.0	92.0	-126.34	-3170.45	-0.17	-4705.78	-0.58	-1.989e+05
10	96	-1976.23	16.36	1.18e-03	-1894.97	0.0	-105.72	-839.43	0.20	-3033.97	-1.82	-1976.23
		-1.745e+05	-1.82	9.12e-04	0.0	92.0	-105.72	-2734.40	0.20	-3033.97	16.36	-1.745e+05
10	97	-2168.41	16.42	1.28e-03	-2075.34	0.0	-110.83	-898.71	0.18	-3578.73	-0.14	-2168.41
		-1.890e+05	-0.14	9.36e-04	0.0	92.0	-110.83	-2974.06	0.18	-3578.73	16.42	-1.890e+05
10	100	-2024.69	7.71	1.11e-03	-1894.97	0.0	-107.11	-798.61	-0.05	-3607.36	7.71	-2024.69
		-1.703e+05	2.83	9.00e-04	0.0	92.0	-107.11	-2693.58	-0.05	-3607.36	2.83	-1.703e+05
10	101	-1848.47	10.40	1.16e-03	-1894.97	0.0	-113.55	-796.86	-0.11	-3613.71	10.40	-1848.47
		-1.700e+05	0.31	9.35e-04	0.0	92.0	-113.55	-2691.83	-0.11	-3613.71	0.31	-1.700e+05
10	102	-2101.56	8.39	1.15e-03	-1967.12	0.0	-109.15	-822.33	-0.06	-3825.26	8.39	-2101.56
		-1.762e+05	2.85	9.09e-04	0.0	92.0	-109.15	-2789.45	-0.06	-3825.26	2.85	-1.762e+05
10	105	-2024.69	7.71	1.11e-03	-1894.97	0.0	-107.11	-798.61	-0.05	-3607.36	7.71	-2024.69
		-1.703e+05	2.83	9.00e-04	0.0	92.0	-107.11	-2693.58	-0.05	-3607.36	2.83	-1.703e+05
10	106	-1918.96	9.32	1.14e-03	-1894.97	0.0	-110.97	-797.56	-0.09	-3611.17	9.32	-1918.96
		-1.701e+05	1.32	9.21e-04	0.0	92.0	-110.97	-2692.53	-0.09	-3611.17	1.32	-1.701e+05
12	4	1.261e+04	64.08	3.22e-03	-3274.65	0.0	41.00	4056.15	-1.25	-4419.74	64.08	-2.624e+05
		-2.624e+05	-71.05	1.59e-03	0.0	108.0	41.00	781.50	-1.25	-4419.74	-71.05	1.261e+04
12	7	8591.66	48.27	2.21e-03	-2159.38	0.0	30.52	2695.38	-0.86	-2458.56	48.27	-1.754e+05
		-1.754e+05	-44.28	1.19e-03	0.0	108.0	30.52	536.00	-0.86	-2458.56	-44.28	8591.66
12	9	1.372e+04	55.15	3.32e-03	-3592.26	0.0	46.45	4425.22	-1.23	-5304.53	55.15	-2.849e+05
		-2.849e+05	-78.14	1.51e-03	0.0	108.0	46.45	832.96	-1.23	-5304.53	-78.14	1.372e+04
12	11	1.362e+04	62.63	3.42e-03	-3592.26	0.0	42.99	4429.85	-1.32	-5263.95	62.63	-2.856e+05
		-2.856e+05	-79.71	1.60e-03	0.0	108.0	42.99	837.58	-1.32	-5263.95	-79.71	1.362e+04
12	16	1.352e+04	43.03	3.18e-03	-3274.65	0.0	50.97	4100.65	-0.94	-3454.39	43.03	-2.671e+05
		-2.671e+05	-58.78	1.49e-03	0.0	108.0	50.97	826.00	-0.94	-3454.39	-58.78	1.352e+04
12	31	1.489e+05	416.79	-0.01	-2224.53	0.0	292.43	1272.44	-2.48	-7430.80	416.79	1.039e+05
		1.039e+05	197.51	4.05e-03	0.0	108.0	292.43	-952.09	-2.48	-7430.80	197.51	1.308e+05
12	34	-1.130e+05	-278.81	0.01	-2224.53	0.0	-222.32	4262.52	1.02	2025.34	-340.35	-4.628e+05
		-4.628e+05	-340.35	-1.80e-03	0.0	108.0	-222.32	2037.99	1.02	2025.34	-278.81	-1.130e+05
12	40	1.949e+04	-237.98	-2.32e-03	-2224.53	0.0	1452.45	2584.15	-2.23	3707.24	-237.98	-1.493e+05
		-1.493e+05	-433.25	-7.42e-04	0.0	108.0	1452.45	359.62	-2.23	3707.24	-433.25	1.949e+04
12	41	-1568.97	364.52	4.23e-03	-2224.53	0.0	-1384.12	2948.07	1.08	-9243.11	294.02	-2.091e+05
		-2.091e+05	294.02	2.92e-03	0.0	108.0	-1384.12	723.54	1.08	-9243.11	364.52	-1568.97
12	47	5.320e+04	753.15	-1.14e-03	-2224.53	0.0	-845.69	2219.84	0.16	-6126.00	724.59	-7.562e+04
		-7.562e+04	724.59	5.59e-03	0.0	108.0	-845.69	-4.69	0.16	-6126.00	753.15	5.320e+04
12	50	-3.527e+04	-668.56	5.05e-03	-2224.53	0.0	914.02	3312.39	-1.31	590.14	-668.56	-2.827e+05
		-2.827e+05	-821.88	-3.41e-03	0.0	108.0	914.02	1087.86	-1.31	590.14	-821.88	-3.527e+04
12	63	7.646e+04	255.08	-5.54e-03	-2224.53	0.0	176.24	1949.56	-1.80	-5189.79	255.08	-2.441e+04
		-2.441e+04	87.10	3.22e-03	0.0	108.0	176.24	-274.97	-1.80	-5189.79	87.10	7.568e+04
12	66	-5.790e+04	-173.21	8.79e-03	-2224.53	0.0	-107.86	3585.80	0.22	-150.02	-173.21	-3.346e+05
		-3.346e+05	-176.27	-1.01e-03	0.0	108.0	-107.86	1361.27	0.22	-150.02	-176.27	-5.790e+04
12	72	1.532e+04	-122.95	-1.18e-03	-2224.53	0.0	813.38	2655.32	-1.54	673.83	-122.95	-1.609e+05
		-1.609e+05	-264.85	-1.53e-03	0.0	108.0	813.38	430.79	-1.54	673.83	-264.85	1.532e+04
12	73	2465.14	204.82	3.39e-03	-2224.53	0.0	-745.00	2880.04	-0.05	-6013.64	204.82	-1.981e+05
		-1.981e+05	175.68	3.74e-03	0.0	108.0	-745.00	655.51	-0.05	-6013.64	175.68	2465.14
12	79	3.254e+04	442.34	7.60e-04	-2224.53	0.0	-447.17	2479.98	-0.55	-4292.36	442.34	-1.248e+05
		-1.248e+05	390.07	5.22e-03	0.0	108.0	-447.17	255.45	-0.55	-4292.36	390.07	3.254e+04
12	82	-1.476e+04	-360.47	3.62e-03	-2224.53	0.0	515.55	3055.39	-1.03	-1047.45	-360.47	-2.342e+05
		-2.342e+05	-479.24	-3.01e-03	0.0	108.0	515.55	830.86	-1.03	-1047.45	-479.24	-1.476e+04
12	87	8918.96	38.80	2.11e-03	-2224.53	0.0	35.18	2766.36	-0.77	-2681.50	38.80	-1.793e+05
		-1.793e+05	-44.13	1.08e-03	0.0	108.0	35.18	541.83	-0.77	-2681.50	-44.13	8918.96
12	88	8890.99	40.94	2.14e-03	-2224.53	0.0	34.19	2767.68	-0.79	-2669.91	40.94	-1.795e+05
		-1.795e+05	-44.58	1.10e-03	0.0	108.0	34.19	543.15	-0.79	-2669.91	-44.58	8890.99
12	91	8825.73	45.92	2.21e-03	-2224.53	0.0	31.88	2770.77	-0.85	-2642.85	45.92	-1.800e+05
		-1.800e+05	-45.63	1.16e-03	0.0	108.0	31.88	546.24	-0.85	-2642.85	-45.63	8825.73
12	92	9471.32	47.09	2.38e-03	-2436.27	0.0	32.22	3021.22	-0.92	-3194.05	47.09	-1.956e+05
		-1.956e+05	-51.85	1.19e-03	0.0	108.0	32.22	584.95	-0.92	-3194.05	-51.85	9471.32
12	93	1.021e+04	41.13	2.45e-03	-2648.01	0.0	35.85	3267.27	-0.90	-3783.91	41.13	-2.106e+05
		-2.106e+05	-56.58	1.14e-03	0.0	108.0	35.85	619.25	-0.90	-3783.91	-56.58	1.021e+04
12	95	1.014e+04	46.12	2.52e-03	-2648.01	0.0	33.54	3270.35	-0.96	-3756.86	46.12	-2.111e+05
		-2.111e+05	-57.63	1.20e-03	0.0	108.0	33.54	622.34	-0.96	-3756.86	-57.63	1.014e+04
12	97	1.008e+04	33.05	2.36e-03	-2436.27	0.0	38.87	3050.89	-0.71	-2550.48	33.05	-1.987e+05
		-1.987e+05	-43.67	1.12e-03	0.0	108.0	38.87	614.61	-0.71	-2550.48	-43.67	1.008e+04
12	101	8872.35	42.36	2.16e-03	-2224.53	0.0	33.53	2768.56	-0.81	-2662.17	42.36	-1.796e+05

		-1.796e+05	-44.88	1.12e-03	0.0	108.0	33.53	544.03	-0.81	-2662.17	-44.88	8872.35
12	102	9177.20	39.27	2.18e-03	-2309.23	0.0	35.32	2866.54	-0.80	-2901.98	39.27	-1.856e+05
		-1.856e+05	-46.62	1.09e-03	0.0	108.0	35.32	557.31	-0.80	-2901.98	-46.62	9177.20
12	104	9149.23	41.40	2.21e-03	-2309.23	0.0	34.33	2867.86	-0.82	-2890.39	41.40	-1.858e+05
		-1.858e+05	-47.07	1.11e-03	0.0	108.0	34.33	558.64	-0.82	-2890.39	-47.07	9149.23
12	105	8918.96	38.80	2.11e-03	-2224.53	0.0	35.18	2766.36	-0.77	-2681.50	38.80	-1.793e+05
		-1.793e+05	-44.13	1.08e-03	0.0	108.0	35.18	541.83	-0.77	-2681.50	-44.13	8918.96
12	106	8890.99	40.94	2.14e-03	-2224.53	0.0	34.19	2767.68	-0.79	-2669.91	40.94	-1.795e+05
		-1.795e+05	-44.58	1.10e-03	0.0	108.0	34.19	543.15	-0.79	-2669.91	-44.58	8890.99
15	7	-6.394e+04	176.13	-6.47e-03	-1489.25	0.0	-66.11	-1541.76	3.66	-3116.56	-96.69	-6.394e+04
		-2.423e+05	-96.69	5.81e-04	0.0	74.5	-66.11	-3031.01	3.66	-3116.56	176.13	-2.423e+05
15	9	-1.030e+05	275.92	-0.01	-2477.46	0.0	-109.94	-2489.23	5.66	-6726.70	-145.48	-1.030e+05
		-3.933e+05	-145.48	7.34e-04	0.0	74.5	-109.94	-4966.69	5.66	-6726.70	275.92	-3.933e+05
15	11	-1.027e+05	276.39	-0.01	-2477.46	0.0	-110.97	-2485.57	5.68	-6713.21	-146.54	-1.027e+05
		-3.927e+05	-146.54	7.79e-04	0.0	74.5	-110.97	-4963.03	5.68	-6713.21	276.39	-3.927e+05
15	18	-9.727e+04	280.44	-9.80e-03	-2258.42	0.0	-97.54	-2370.98	5.80	-4201.46	-151.62	-9.727e+04
		-3.704e+05	-151.62	7.68e-04	0.0	74.5	-97.54	-4629.40	5.80	-4201.46	280.44	-3.704e+05
15	19	-6.677e+04	198.81	-6.79e-03	-1489.25	0.0	-61.59	-1626.23	4.13	-1697.65	-108.94	-6.677e+04
		-2.522e+05	-108.94	5.28e-04	0.0	74.5	-61.59	-3115.48	4.13	-1697.65	198.81	-2.522e+05
15	31	-1.389e+05	220.05	-0.01	-1534.18	0.0	958.04	-2215.88	-0.55	-2936.29	215.96	-1.389e+05
		-3.690e+05	215.96	-6.15e-04	0.0	74.5	958.04	-3750.06	-0.55	-2936.29	220.05	-3.690e+05
15	34	7097.41	140.43	1.53e-03	-1534.18	0.0	-1095.67	-955.86	8.01	-3744.24	-411.34	7097.41
		-1.297e+05	-411.34	1.71e-03	0.0	74.5	-1095.67	-2490.04	8.01	-3744.24	140.43	-1.297e+05
15	41	-7.205e+04	698.67	-0.01	-1534.18	0.0	1313.78	-1460.77	-2.49	-1.550e+04	545.16	-7.205e+04
		-2.453e+05	545.16	-0.01	0.0	74.5	1313.78	-2994.95	-2.49	-1.550e+04	698.67	-2.453e+05
15	43	-1.105e+05	624.50	-0.02	-1534.18	0.0	1617.41	-1823.67	-3.66	-1.310e+04	607.92	-1.105e+05
		-3.108e+05	607.92	-0.01	0.0	74.5	1617.41	-3357.86	-3.66	-1.310e+04	624.50	-3.108e+05
15	46	-2.123e+04	-265.53	2.54e-03	-1534.18	0.0	-1751.29	-1347.52	11.09	6391.79	-802.41	-2.123e+04
		-1.878e+05	-802.41	0.01	0.0	74.5	-1751.29	-2881.71	11.09	6391.79	-265.53	-1.878e+05
15	63	-1.062e+05	201.79	-0.01	-1534.18	0.0	488.65	-1933.01	1.45	-2996.58	72.43	-1.062e+05
		-3.154e+05	72.43	2.26e-04	0.0	74.5	488.65	-3467.19	1.45	-2996.58	201.79	-3.154e+05
15	66	-2.555e+04	157.42	-2.35e-03	-1534.18	0.0	-623.02	-1237.56	5.99	-3704.74	-267.19	-2.555e+04
		-1.832e+05	-267.19	8.53e-04	0.0	74.5	-623.02	-2771.74	5.99	-3704.74	157.42	-1.832e+05
15	73	-6.969e+04	463.04	-9.39e-03	-1534.18	0.0	668.65	-1519.33	0.48	-9614.72	249.84	-6.969e+04
		-2.479e+05	249.84	-4.65e-03	0.0	74.5	668.65	-3053.51	0.48	-9614.72	463.04	-2.479e+05
15	75	-9.088e+04	422.73	-0.01	-1534.18	0.0	834.47	-1719.15	-0.14	-8291.69	283.87	-9.088e+04
		-2.840e+05	283.87	-5.01e-03	0.0	74.5	834.47	-3253.33	-0.14	-8291.69	422.73	-2.840e+05
15	78	-4.085e+04	-63.51	-1.98e-03	-1534.18	0.0	-968.83	-1451.42	7.58	1590.37	-478.63	-4.085e+04
		-2.146e+05	-478.63	6.09e-03	0.0	74.5	-968.83	-2985.60	7.58	1590.37	-63.51	-2.146e+05
15	87	-6.595e+04	179.47	-6.67e-03	-1534.18	0.0	-66.89	-1586.33	3.71	-3354.51	-97.08	-6.595e+04
		-2.495e+05	-97.08	5.27e-04	0.0	74.5	-66.89	-3120.51	3.71	-3354.51	179.47	-2.495e+05
15	88	-6.586e+04	179.61	-6.66e-03	-1534.18	0.0	-67.18	-1585.28	3.72	-3350.66	-97.38	-6.586e+04
		-2.493e+05	-97.38	5.39e-04	0.0	74.5	-67.18	-3119.47	3.72	-3350.66	179.61	-2.493e+05
15	91	-6.566e+04	179.92	-6.64e-03	-1534.18	0.0	-67.87	-1582.84	3.73	-3341.67	-98.09	-6.566e+04
		-2.489e+05	-98.09	5.69e-04	0.0	74.5	-67.87	-3117.03	3.73	-3341.67	179.92	-2.489e+05
15	93	-7.643e+04	205.20	-7.66e-03	-1826.25	0.0	-80.72	-1844.77	4.21	-4785.95	-108.66	-7.643e+04
		-2.912e+05	-108.66	5.54e-04	0.0	74.5	-80.72	-3671.02	4.21	-4785.95	205.20	-2.912e+05
15	95	-7.623e+04	205.51	-7.64e-03	-1826.25	0.0	-81.40	-1842.33	4.23	-4776.96	-109.37	-7.623e+04
		-2.908e+05	-109.37	5.83e-04	0.0	74.5	-81.40	-3668.57	4.23	-4776.96	205.51	-2.908e+05
15	96	-6.755e+04	195.04	-6.85e-03	-1534.18	0.0	-64.85	-1639.16	4.04	-2395.73	-106.26	-6.755e+04
		-2.555e+05	-106.26	5.34e-04	0.0	74.5	-64.85	-3173.34	4.04	-2395.73	195.04	-2.555e+05
15	99	-7.259e+04	208.22	-7.32e-03	-1680.21	0.0	-72.45	-1765.94	4.31	-3102.45	-112.76	-7.259e+04
		-2.760e+05	-112.76	5.76e-04	0.0	74.5	-72.45	-3446.15	4.31	-3102.45	208.22	-2.760e+05
15	100	-6.595e+04	179.47	-6.67e-03	-1534.18	0.0	-66.89	-1586.33	3.71	-3354.51	-97.08	-6.595e+04
		-2.495e+05	-97.08	5.27e-04	0.0	74.5	-66.89	-3120.51	3.71	-3354.51	179.47	-2.495e+05
15	101	-6.580e+04	179.70	-6.65e-03	-1534.18	0.0	-67.38	-1584.59	3.72	-3348.09	-97.58	-6.580e+04
		-2.492e+05	-97.58	5.48e-04	0.0	74.5	-67.38	-3118.77	3.72	-3348.09	179.70	-2.492e+05
15	102	-6.805e+04	184.62	-6.87e-03	-1592.60	0.0	-69.65	-1638.02	3.81	-3640.80	-99.39	-6.805e+04
		-2.578e+05	-99.39	5.32e-04	0.0	74.5	-69.65	-3230.61	3.81	-3640.80	184.62	-2.578e+05
15	104	-6.796e+04	184.75	-6.86e-03	-1592.60	0.0	-69.95	-1636.97	3.82	-3636.94	-99.70	-6.796e+04
		-2.576e+05	-99.70	5.45e-04	0.0	74.5	-69.95	-3229.57	3.82	-3636.94	184.75	-2.576e+05
15	105	-6.595e+04	179.47	-6.67e-03	-1534.18	0.0	-66.89	-1586.33	3.71	-3354.51	-97.08	-6.595e+04
		-2.495e+05	-97.08	5.27e-04	0.0	74.5	-66.89	-3120.51	3.71	-3354.51	179.47	-2.495e+05
15	106	-6.586e+04	179.61	-6.66e-03	-1534.18	0.0	-67.18	-1585.28	3.72	-3350.66	-97.38	-6.586e+04
		-2.493e+05	-97.38	5.39e-04	0.0	74.5	-67.18	-3119.47	3.72	-3350.66	179.61	-2.493e+05
16	7	2.587e+04	-145.50	-1.74e-03	-820.23	0.0	496.32	730.90	14.08	-2757.59	-1069.08	-1.319e+04
		-1.319e+04	-1069.08	1.10e-03	0.0	120.0	496.32	-89.33	14.08	-2757.59	-145.50	2.530e+04
16	9	4.289e+04	-169.55	-2.18e-03	-1257.53	0.0	829.91	1075.63	39.90	-8144.77	-2293.72	-1.228e+04
		-1.228e+04	-2293.72	1.37e-03	0.0	120.0	829.91	-181.90	39.90	-8144.77	-169.55	4.134e+04
16	12	3.338e+04	-128.79	-1.65e-03	-974.96	0.0	648.52	832.24	32.33	-6628.26	-1824.82	-9213.73
		-9213.73	-1824.82	1.04e-03	0.0	120.0	648.52	-142.72	32.33	-6628.26	-128.79	3.216e+04
16	17	3.465e+04	-196.82	-1.85e-03	-1102.80	0.0	727.11	1039.88	25.29	-5160.19	-1656.57	-2.418e+04
		-2.418e+04	-1656.57	1.42e-03	0.0	120.0	727.11	-62.92	25.29	-5160.19	-196.82	3.444e+04
16	31	2.834e+04	2.047e+04	-0.02	-836.10	0.0	-108.05	811.46	-152.35	1.075e+05	2.047e+04	-1.918e+04
		-1.918e+04	742.37	-4.39e-03	0.0	120.0	-108.05	-24.64	-152.35	1.075e+05	742.37	2.834e+04
16	34	2.616e+04	-1019.64	0.02	-836.10	0.0	1162.19	664.53	194.89	-1.162e+05	-2.307e+04	-5256.62
		-5256.62	-2.307e+04	6.46e-03	0.0	120.0	1162.19	-171.57	194.89	-1.162e+05	-1019.64	2.401e+04
16	35	2.864e+04	1.967e+04	-0.03	-836.10	0.0	-153.45	817.74	-145.09	1.062e+05	1.967e+04	-1.936e+04
		-1.936e+04	592.70	4.63e-03	0.0	120.0	-153.45	-18.36	-145.09	1.062e+05	592.70	2.864e+04
16	47	2.981e+04	6853.84	-0.08	-836.10	0.0	-1146.90	810.22	-44.49	3.697e+04	6853.84	-1.735e+04

		-1.735e+04	-992.62	9.55e-03	0.0	120.0	-1146.90	-25.88	-44.49	3.697e+04	-992.62	2.981e+04
16	50	2.504e+04	735.47	0.08	-836.10	0.0	2206.39	654.97	89.07	-4.609e+04	-9473.51	-5623.99
		-5623.99	-9473.51	-7.54e-03	0.0	120.0	2206.39	-181.13	89.07	-4.609e+04	735.47	2.271e+04
16	51	2.981e+04	7126.54	-0.08	-836.10	0.0	-1098.32	810.58	-46.10	3.767e+04	7126.54	-1.740e+04
		-1.740e+04	-912.43	9.84e-03	0.0	120.0	-1098.32	-25.52	-46.10	3.767e+04	-912.43	2.981e+04
16	63	2.762e+04	1.065e+04	-0.01	-836.10	0.0	173.65	781.61	-73.89	5.701e+04	1.065e+04	-1.637e+04
		-1.637e+04	337.09	-1.42e-03	0.0	120.0	173.65	-54.49	-73.89	5.701e+04	337.09	2.742e+04
16	66	2.621e+04	-613.89	0.01	-836.10	0.0	885.29	698.79	115.60	-6.562e+04	-1.325e+04	-8664.05
		-8664.05	-1.325e+04	3.45e-03	0.0	120.0	885.29	-137.31	115.60	-6.562e+04	-613.89	2.486e+04
16	67	2.777e+04	1.021e+04	-0.02	-836.10	0.0	148.19	785.09	-69.86	5.629e+04	1.021e+04	-1.648e+04
		-1.648e+04	249.37	3.54e-03	0.0	120.0	148.19	-51.01	-69.86	5.629e+04	249.37	2.759e+04
16	79	2.858e+04	3106.04	-0.05	-836.10	0.0	-414.31	786.69	-13.26	1.788e+04	3106.04	-1.588e+04
		-1.588e+04	-650.30	7.51e-03	0.0	120.0	-414.31	-49.41	-13.26	1.788e+04	-650.30	2.841e+04
16	82	2.532e+04	373.50	0.05	-836.10	0.0	1473.26	693.71	54.96	-2.649e+04	-5709.23	-9156.80
		-9156.80	-5709.23	-5.48e-03	0.0	120.0	1473.26	-142.39	54.96	-2.649e+04	373.50	2.387e+04
16	87	2.684e+04	-136.65	-1.50e-03	-836.10	0.0	535.16	739.84	22.44	-4680.75	-1351.80	-1.243e+04
		-1.243e+04	-1351.80	9.91e-04	0.0	120.0	535.16	-96.26	22.44	-4680.75	-136.65	2.618e+04
16	88	2.679e+04	-138.40	-1.55e-03	-836.10	0.0	529.47	740.20	20.85	-4307.35	-1301.59	-1.252e+04
		-1.252e+04	-1301.59	1.02e-03	0.0	120.0	529.47	-95.90	20.85	-4307.35	-138.40	2.614e+04
16	91	2.668e+04	-142.47	-1.68e-03	-836.10	0.0	516.21	741.03	17.14	-3436.07	-1184.44	-1.272e+04
		-1.272e+04	-1184.44	1.07e-03	0.0	120.0	516.21	-95.07	17.14	-3436.07	-142.47	2.604e+04
16	93	3.169e+04	-131.33	-1.62e-03	-939.25	0.0	617.68	808.59	29.31	-6016.52	-1688.27	-1.007e+04
		-1.007e+04	-1688.27	1.03e-03	0.0	120.0	617.68	-130.67	29.31	-6016.52	-131.33	3.061e+04
16	98	2.620e+04	-149.51	-1.41e-03	-836.10	0.0	549.15	784.76	19.57	-4026.80	-1263.50	-1.800e+04
		-1.800e+04	-1263.50	1.06e-03	0.0	120.0	549.15	-51.34	19.57	-4026.80	-149.51	2.601e+04
16	101	2.676e+04	-139.56	-1.59e-03	-836.10	0.0	525.68	740.44	19.79	-4058.41	-1268.12	-1.258e+04
		-1.258e+04	-1268.12	1.03e-03	0.0	120.0	525.68	-95.66	19.79	-4058.41	-139.56	2.611e+04
16	102	2.781e+04	-135.59	-1.52e-03	-856.73	0.0	551.66	753.59	23.81	-4947.91	-1419.10	-1.196e+04
		-1.196e+04	-1419.10	9.99e-04	0.0	120.0	551.66	-103.14	23.81	-4947.91	-135.59	2.707e+04
16	105	2.684e+04	-136.65	-1.50e-03	-836.10	0.0	535.16	739.84	22.44	-4680.75	-1351.80	-1.243e+04
		-1.243e+04	-1351.80	9.91e-04	0.0	120.0	535.16	-96.26	22.44	-4680.75	-136.65	2.618e+04
16	106	2.679e+04	-138.40	-1.55e-03	-836.10	0.0	529.47	740.20	20.85	-4307.35	-1301.59	-1.252e+04
		-1.252e+04	-1301.59	1.02e-03	0.0	120.0	529.47	-95.90	20.85	-4307.35	-138.40	2.614e+04
17	7	7.174e+04	743.14	-0.01	-2649.23	0.0	-1.48	2774.76	16.00	-3907.09	-1376.86	-1.298e+05
		-1.298e+05	-1376.86	9.51e-04	0.0	132.5	-1.48	125.53	16.00	-3907.09	743.14	7.174e+04
17	9	1.143e+05	1108.82	-0.03	-4407.16	0.0	-74.10	4687.95	27.11	-8880.86	-2483.63	-2.296e+05
		-2.296e+05	-2483.63	1.15e-03	0.0	132.5	-74.10	280.80	27.11	-8880.86	1108.82	1.143e+05
17	11	1.149e+05	1130.47	-0.03	-4407.16	0.0	-59.61	4650.02	26.33	-8781.78	-2358.37	-2.237e+05
		-2.237e+05	-2358.37	1.23e-03	0.0	132.5	-59.61	242.86	26.33	-8781.78	1130.47	1.149e+05
17	39	3.200e+04	3492.41	-0.04	-2729.16	0.0	6123.76	2979.40	120.14	-1.823e+04	-1.243e+04	-1.916e+05
		-1.916e+05	-1.243e+04	-0.02	0.0	132.5	6123.76	250.24	120.14	-1.823e+04	3492.41	3.200e+04
17	40	1.440e+05	1.181e+04	5.78e-03	-2729.16	0.0	-4611.65	2474.13	-110.27	7732.97	1.181e+04	-1.467e+04
		-1.467e+04	-2798.54	0.01	0.0	132.5	-4611.65	-255.03	-110.27	7732.97	-2798.54	1.433e+05
17	41	2.598e+04	4248.26	-0.04	-2729.16	0.0	4572.35	3330.19	144.96	-1.635e+04	-1.496e+04	-2.667e+05
		-2.667e+05	-1.496e+04	-0.01	0.0	132.5	4572.35	601.03	144.96	-1.635e+04	4248.26	2.598e+04
17	42	1.139e+05	9281.30	2.65e-03	-2729.16	0.0	-6163.06	2824.92	-85.45	9613.46	9281.30	-8.981e+04
		-8.981e+04	-2042.69	0.02	0.0	132.5	-6163.06	95.77	-85.45	9613.46	-2042.69	1.139e+05
17	48	1.696e+05	6468.78	0.02	-2729.16	0.0	-1579.60	2320.02	-57.68	478.49	6468.78	1.499e+04
		2.949e+04	-1177.22	-8.12e-03	0.0	132.5	-1579.60	-409.13	-57.68	478.49	-1177.22	1.670e+05
17	49	-2.110e+04	2626.94	-0.05	-2729.16	0.0	1540.30	3484.30	92.37	-9099.78	-9615.55	-3.109e+05
		-3.109e+05	-9615.55	9.84e-03	0.0	132.5	1540.30	755.14	92.37	-9099.78	2626.94	-2.110e+04
17	71	4.837e+04	2255.87	-0.03	-2729.16	0.0	3405.83	2995.99	74.75	-1.221e+04	-7649.15	-1.777e+05
		-1.777e+05	-7649.15	-6.61e-03	0.0	132.5	3405.83	266.83	74.75	-1.221e+04	2255.87	4.837e+04
17	72	1.136e+05	5945.81	-4.84e-03	-2729.16	0.0	-2592.57	2608.04	-53.92	2558.84	5945.81	-6.119e+04
		-6.119e+04	-1200.16	5.52e-03	0.0	132.5	-2592.57	-121.11	-53.92	2558.84	-1200.16	1.136e+05
17	73	3.227e+04	2671.33	-0.03	-2729.16	0.0	2551.65	3188.85	88.37	-1.118e+04	-9039.20	-2.191e+05
		-2.191e+05	-9039.20	-3.78e-03	0.0	132.5	2551.65	459.69	88.37	-1.118e+04	2671.33	3.227e+04
17	74	9.753e+04	4555.75	-4.84e-03	-2729.16	0.0	-3446.75	2800.90	-40.30	3585.41	4555.75	-1.025e+05
		-1.025e+05	-784.70	8.35e-03	0.0	132.5	-3446.75	71.75	-40.30	3585.41	-784.70	9.753e+04
17	80	1.270e+05	2999.21	3.65e-03	-2729.16	0.0	-907.28	2523.26	-24.93	-1433.36	2999.21	-3.689e+04
		-3.689e+04	-306.68	-6.03e-03	0.0	132.5	-907.28	-205.90	-24.93	-1433.36	-306.68	1.267e+05
17	81	1.923e+04	1777.85	-0.04	-2729.16	0.0	866.36	3273.63	59.38	-7189.40	-6092.60	-2.434e+05
		-2.434e+05	-6092.60	7.76e-03	0.0	132.5	866.36	544.47	59.38	-7189.40	1777.85	1.923e+04
17	87	7.278e+04	729.40	-0.02	-2729.16	0.0	-24.60	2909.28	17.45	-4339.69	-1582.48	-1.418e+05
		-1.418e+05	-1582.48	8.44e-04	0.0	132.5	-24.60	180.13	17.45	-4339.69	729.40	7.278e+04
17	88	7.295e+04	735.58	-0.02	-2729.16	0.0	-20.46	2898.45	17.22	-4311.38	-1546.70	-1.401e+05
		-1.401e+05	-1546.70	8.68e-04	0.0	132.5	-20.46	169.29	17.22	-4311.38	735.58	7.295e+04
17	91	7.335e+04	750.02	-0.01	-2729.16	0.0	-10.80	2873.16	16.70	-4245.33	-1463.19	-1.362e+05
		-1.362e+05	-1463.19	9.24e-04	0.0	132.5	-10.80	144.00	16.70	-4245.33	750.02	7.335e+04
17	93	8.463e+04	825.01	-0.02	-3248.71	0.0	-51.07	3459.65	20.18	-6305.16	-1848.96	-1.696e+05
		-1.696e+05	-1848.96	8.67e-04	0.0	132.5	-51.07	210.94	20.18	-6305.16	825.01	8.463e+04
17	95	8.503e+04	839.44	-0.02	-3248.71	0.0	-41.41	3434.36	19.66	-6239.11	-1765.46	-1.656e+05
		-1.656e+05	-1765.46	9.23e-04	0.0	132.5	-41.41	185.66	19.66	-6239.11	839.44	8.503e+04
17	101	7.306e+04	739.71	-0.02	-2729.16	0.0	-17.70	2891.22	17.08	-4292.51	-1522.84	-1.390e+05
		-1.390e+05	-1522.84	8.84e-04	0.0	132.5	-17.70	162.06	17.08	-4292.51	739.71	7.306e+04
17	102	7.515e+04	748.52	-0.02	-2833.07	0.0	-29.89	3019.36	17.99	-4732.79	-1635.78	-1.474e+05
		-1.474e+05	-1635.78	8.49e-04	0.0	132.5	-29.89	186.29	17.99	-4732.79	748.52	7.515e+04
17	104	7.532e+04	754.71	-0.02	-2833.07	0.0	-25.75	3008.52	17.77	-4704.48	-1599.99	-1.457e+05
		-1.457e+05	-1599.99	8.73e-04	0.0	132.5	-25.75	175.45	17.77	-4704.48	754.71	7.532e+04
17	105	7.278e+04	729.40	-0.02	-2729.16	0.0	-24.60	2909.28	17.45	-4339.69	-1582.48	-1.418e+05

		-1.418e+05	-1582.48	8.44e-04	0.0	132.5	-24.60	180.13	17.45	-4339.69	729.40	7.278e+04
17	106	7.295e+04	735.58	-0.02	-2729.16	0.0	-20.46	2898.45	17.22	-4311.38	-1546.70	-1.401e+05
		-1.401e+05	-1546.70	8.68e-04	0.0	132.5	-20.46	169.29	17.22	-4311.38	735.58	7.295e+04
18	7	7.882e+04	743.16	1.28e-03	-1189.65	0.0	124.89	407.00	-12.73	-1380.72	743.16	7.510e+04
		6.266e+04	-14.42	4.99e-04	0.0	59.5	124.89	-782.65	-12.73	-1380.72	-14.42	6.266e+04
18	9	1.283e+05	1108.84	-2.28e-03	-1979.06	0.0	135.10	800.13	-19.25	-3884.82	1108.84	1.195e+05
		1.062e+05	-36.47	6.24e-04	0.0	59.5	135.10	-1178.93	-19.25	-3884.82	-36.47	1.062e+05
18	11	1.280e+05	1130.49	-1.52e-03	-1979.06	0.0	147.10	762.94	-19.58	-3754.61	1130.49	1.201e+05
		1.044e+05	-34.41	6.63e-04	0.0	59.5	147.10	-1216.12	-19.58	-3754.61	-34.41	1.044e+05
18	12	9.981e+04	855.65	-1.96e-03	-1539.61	0.0	101.17	631.45	-14.87	-3089.75	855.65	9.276e+04
		8.293e+04	-29.04	4.74e-04	0.0	59.5	101.17	-908.16	-14.87	-3089.75	-29.04	8.293e+04
18	17	1.108e+05	1022.51	-9.75e-04	-1629.10	0.0	164.31	585.14	-17.58	-1373.85	1022.51	1.051e+05
		8.999e+04	-23.46	6.41e-04	0.0	59.5	164.31	-1043.96	-17.58	-1373.85	-23.46	8.999e+04
18	39	6.463e+04	3492.12	-0.01	-1225.54	0.0	4854.09	907.24	-63.90	-1.124e+04	3492.12	4.504e+04
		4.504e+04	-323.76	-7.97e-03	0.0	59.5	4854.09	-318.31	-63.90	-1.124e+04	-323.76	6.205e+04
18	40	1.162e+05	315.21	0.02	-1225.54	0.0	-3474.97	-267.35	52.06	1.118e+04	-2798.20	1.162e+05
		5.719e+04	-2798.20	6.61e-03	0.0	59.5	-3474.97	-1492.90	52.06	1.118e+04	315.21	5.719e+04
18	41	7.590e+04	4247.95	-0.02	-1225.54	0.0	3697.53	1199.14	-77.00	-1.451e+04	4247.95	3.674e+04
		3.674e+04	-349.68	-5.69e-03	0.0	59.5	3697.53	-26.40	-77.00	-1.451e+04	-349.68	7.590e+04
18	42	1.079e+05	289.28	0.01	-1225.54	0.0	-4631.54	24.55	38.95	7914.40	-2042.37	1.079e+05
		7.104e+04	-2042.37	8.89e-03	0.0	59.5	-4631.54	-1200.99	38.95	7914.40	289.28	7.104e+04
18	52	1.216e+05	231.15	0.03	-1225.54	0.0	-1146.08	-461.33	21.82	5466.21	-1082.91	1.216e+05
		5.322e+04	-1082.91	-2.15e-03	0.0	59.5	-1146.08	-1686.88	21.82	5466.21	231.15	5.322e+04
18	53	7.987e+04	2532.66	-0.03	-1225.54	0.0	1368.63	1393.12	-46.77	-8793.69	2532.66	3.128e+04
		3.128e+04	-265.62	3.07e-03	0.0	59.5	1368.63	167.58	-46.77	-8793.69	-265.62	7.987e+04
18	71	7.086e+04	2255.76	-9.33e-03	-1225.54	0.0	2762.71	761.27	-40.66	-7202.40	2255.76	5.709e+04
		5.709e+04	-170.97	-3.30e-03	0.0	59.5	2762.71	-464.27	-40.66	-7202.40	-170.97	6.545e+04
18	72	1.000e+05	150.17	0.01	-1225.54	0.0	-1902.10	4.00	22.55	5659.44	-1200.00	1.000e+05
		5.972e+04	-1200.00	2.97e-03	0.0	59.5	-1902.10	-1221.54	22.55	5659.44	150.17	5.972e+04
18	73	7.478e+04	2671.21	-0.01	-1225.54	0.0	2125.85	921.63	-47.88	-9001.16	2671.21	5.288e+04
		5.288e+04	-185.65	-2.04e-03	0.0	59.5	2125.85	-303.91	-47.88	-9001.16	-185.65	7.286e+04
18	74	9.624e+04	135.49	9.01e-03	-1225.54	0.0	-2538.96	164.36	15.34	3860.68	-784.56	9.582e+04
		6.724e+04	-784.56	4.22e-03	0.0	59.5	-2538.96	-1061.18	15.34	3860.68	135.49	6.724e+04
18	84	1.030e+05	103.89	0.02	-1225.54	0.0	-604.81	-102.70	5.90	2515.83	-254.84	1.030e+05
		5.754e+04	-254.84	-1.85e-03	0.0	59.5	-604.81	-1328.25	5.90	2515.83	103.89	5.754e+04
18	85	7.598e+04	1726.04	-0.02	-1225.54	0.0	828.56	1028.33	-31.22	-5857.55	1726.04	4.991e+04
		4.991e+04	-139.37	2.77e-03	0.0	59.5	828.56	-197.21	-31.22	-5857.55	-139.37	7.514e+04
18	87	8.131e+04	729.42	-1.17e-03	-1225.54	0.0	108.44	473.44	-12.57	-1708.06	729.42	7.631e+04
		6.686e+04	-18.33	4.52e-04	0.0	59.5	108.44	-752.10	-12.57	-1708.06	-18.33	6.686e+04
18	88	8.121e+04	735.60	-9.63e-04	-1225.54	0.0	111.87	462.82	-12.66	-1670.86	735.60	7.646e+04
		6.634e+04	-17.74	4.62e-04	0.0	59.5	111.87	-762.73	-12.66	-1670.86	-17.74	6.634e+04
18	91	8.099e+04	750.04	7.11e-04	-1225.54	0.0	119.87	438.03	-12.88	-1584.05	750.04	7.680e+04
		6.513e+04	-16.37	4.88e-04	0.0	59.5	119.87	-787.52	-12.88	-1584.05	-16.37	6.513e+04
18	93	9.502e+04	825.03	-1.68e-03	-1458.85	0.0	104.06	587.66	-14.31	-2723.41	825.03	8.858e+04
		7.864e+04	-26.11	4.72e-04	0.0	59.5	104.06	-871.19	-14.31	-2723.41	-26.11	7.864e+04
18	95	9.478e+04	839.46	-1.17e-03	-1458.85	0.0	112.06	562.87	-14.52	-2636.60	839.46	8.892e+04
		7.743e+04	-24.74	4.97e-04	0.0	59.5	112.06	-895.98	-14.52	-2636.60	-24.74	7.743e+04
18	98	8.332e+04	767.47	-7.99e-04	-1225.54	0.0	123.53	444.34	-13.19	-1049.43	767.47	7.839e+04
		6.784e+04	-17.44	4.83e-04	0.0	59.5	123.53	-781.21	-13.19	-1049.43	-17.44	6.784e+04
18	101	8.114e+04	739.73	-8.37e-04	-1225.54	0.0	114.16	455.73	-12.72	-1646.06	739.73	7.655e+04
		6.600e+04	-17.35	4.70e-04	0.0	59.5	114.16	-769.81	-12.72	-1646.06	-17.35	6.600e+04
18	102	8.405e+04	748.54	-1.27e-03	-1272.21	0.0	107.57	496.29	-12.91	-1911.13	748.54	7.876e+04
		6.922e+04	-19.89	4.56e-04	0.0	59.5	107.57	-775.92	-12.91	-1911.13	-19.89	6.922e+04
18	104	8.395e+04	754.72	-1.06e-03	-1272.21	0.0	110.99	485.66	-13.01	-1873.93	754.72	7.891e+04
		6.870e+04	-19.30	4.66e-04	0.0	59.5	110.99	-786.54	-13.01	-1873.93	-19.30	6.870e+04
18	105	8.131e+04	729.42	-1.17e-03	-1225.54	0.0	108.44	473.44	-12.57	-1708.06	729.42	7.631e+04
		6.686e+04	-18.33	4.52e-04	0.0	59.5	108.44	-752.10	-12.57	-1708.06	-18.33	6.686e+04
18	106	8.121e+04	735.60	-9.63e-04	-1225.54	0.0	111.87	462.82	-12.66	-1670.86	735.60	7.646e+04
		6.634e+04	-17.74	4.62e-04	0.0	59.5	111.87	-762.73	-12.66	-1670.86	-17.74	6.634e+04
21	5	9.937e+04	189.92	-0.06	-2509.60	0.0	-135.74	4454.54	-1.83	3346.07	189.92	3.260e+05
		-3.260e+05	-40.39	9.19e-04	0.0	125.5	-135.74	1944.94	-1.83	3346.07	-40.39	9.937e+04
21	9	1.631e+05	304.19	-0.10	-4174.87	0.0	-226.01	7276.30	-2.90	5661.81	304.19	-5.267e+05
		-5.267e+05	-59.54	1.31e-03	0.0	125.5	-226.01	3101.42	-2.90	5661.81	-59.54	1.631e+05
21	11	1.629e+05	303.52	-0.10	-4174.87	0.0	-227.66	7278.90	-2.90	5671.89	303.52	-5.272e+05
		-5.272e+05	-60.33	1.39e-03	0.0	125.5	-227.66	3104.03	-2.90	5671.89	-60.33	1.629e+05
21	18	1.530e+05	299.39	-0.10	-3805.75	0.0	-208.76	6799.27	-2.91	4657.31	299.39	-4.982e+05
		-4.982e+05	-65.88	1.37e-03	0.0	125.5	-208.76	2993.52	-2.91	4657.31	-65.88	1.530e+05
21	39	5.579e+04	1384.94	-0.10	-2585.32	0.0	1326.22	4864.66	11.05	8278.09	-26.28	-4.152e+05
		-4.152e+05	-26.28	-0.02	0.0	125.5	1326.22	2279.34	11.05	8278.09	1384.94	5.579e+04
21	42	1.485e+05	415.26	-0.03	-2585.32	0.0	-1606.65	4292.52	-14.80	-1362.06	415.26	-2.542e+05
		-2.542e+05	-1467.26	0.03	0.0	125.5	-1606.65	1707.20	-14.80	-1362.06	-1467.26	1.485e+05
21	43	5.600e+04	1371.16	-0.10	-2585.32	0.0	1364.53	4866.35	10.99	8155.69	-26.29	-4.152e+05
		-4.152e+05	-26.29	-0.02	0.0	125.5	1364.53	2281.04	10.99	8155.69	1371.16	5.600e+04
21	44	1.803e+05	353.69	-0.04	-2585.32	0.0	-1251.49	4084.23	-13.37	-206.59	353.69	-1.963e+05
		-1.963e+05	-1333.96	0.02	0.0	125.5	-1251.49	1498.91	-13.37	-206.59	-1333.96	1.803e+05
21	45	2.400e+04	1251.63	-0.10	-2585.32	0.0	971.06	5072.95	9.62	7122.62	35.29	-4.731e+05
		-4.731e+05	35.29	-0.02	0.0	125.5	971.06	2487.63	9.62	7122.62	1251.63	2.400e+04
21	46	1.483e+05	415.26	-0.03	-2585.32	0.0	-1644.96	4290.83	-14.74	-1239.65	415.26	-2.542e+05
		-2.542e+05	-1453.49	0.02	0.0	125.5	-1644.96	1705.51	-14.74	-1239.65	-1453.49	1.483e+05
21	71	7.721e+04	739.55	-0.08	-2585.32	0.0	649.06	4732.33	5.16	6504.60	78.34	-3.778e+05

		-3.778e+05	78.34	-0.01	0.0	125.5	649.06	2147.01	5.16	6504.60	739.55	7.721e+04
21	74	1.270e+05	310.50	-0.05	-2585.32	0.0	-930.02	4425.26	-8.92	412.92	310.50	-2.916e+05
		-2.916e+05	-822.09	0.01	0.0	125.5	-930.02	1839.95	-8.92	412.92	-822.09	1.270e+05
21	75	7.733e+04	731.97	-0.08	-2585.32	0.0	670.25	4733.26	5.13	6437.38	78.35	-3.778e+05
		-3.778e+05	78.35	-8.44e-03	0.0	125.5	670.25	2147.94	5.13	6437.38	731.97	7.733e+04
21	76	1.445e+05	276.69	-0.05	-2585.32	0.0	-735.40	4310.52	-8.13	1050.28	276.69	-2.598e+05
		-2.598e+05	-748.91	0.01	0.0	125.5	-735.40	1725.20	-8.13	1050.28	-748.91	1.445e+05
21	77	5.970e+04	666.36	-0.08	-2585.32	0.0	454.45	4847.07	4.38	5867.24	112.15	-4.097e+05
		-4.097e+05	112.15	-9.94e-03	0.0	125.5	454.45	2261.75	4.38	5867.24	666.36	5.970e+04
21	78	1.269e+05	310.49	-0.05	-2585.32	0.0	-951.21	4424.33	-8.89	480.14	310.49	-2.916e+05
		-2.916e+05	-814.52	0.01	0.0	125.5	-951.21	1839.02	-8.89	480.14	-814.52	1.269e+05
21	87	1.022e+05	194.61	-0.07	-2585.32	0.0	-140.00	4578.05	-1.88	3455.88	194.61	-3.346e+05
		-3.346e+05	-41.05	9.36e-04	0.0	125.5	-140.00	1992.74	-1.88	3455.88	-41.05	1.022e+05
21	88	1.021e+05	194.42	-0.07	-2585.32	0.0	-140.48	4578.80	-1.88	3458.76	194.42	-3.347e+05
		-3.347e+05	-41.27	9.57e-04	0.0	125.5	-140.48	1993.48	-1.88	3458.76	-41.27	1.021e+05
21	89	1.022e+05	194.61	-0.07	-2585.32	0.0	-140.00	4578.05	-1.88	3455.88	194.61	-3.346e+05
		-3.346e+05	-41.05	9.36e-04	0.0	125.5	-140.00	1992.74	-1.88	3455.88	-41.05	1.022e+05
21	93	1.205e+05	225.62	-0.08	-3077.48	0.0	-166.49	5378.93	-2.15	4162.12	225.62	-3.900e+05
		-3.900e+05	-44.73	9.88e-04	0.0	125.5	-166.49	2301.45	-2.15	4162.12	-44.73	1.205e+05
21	95	1.203e+05	225.17	-0.08	-3077.48	0.0	-167.60	5380.67	-2.15	4168.84	225.17	-3.903e+05
		-3.903e+05	-45.25	1.04e-03	0.0	125.5	-167.60	2303.19	-2.15	4168.84	-45.25	1.203e+05
21	99	1.138e+05	222.41	-0.07	-2831.40	0.0	-155.00	5060.91	-2.16	3492.45	222.41	-3.710e+05
		-3.710e+05	-48.96	1.03e-03	0.0	125.5	-155.00	2229.51	-2.16	3492.45	-48.96	1.138e+05
21	100	1.022e+05	194.61	-0.07	-2585.32	0.0	-140.00	4578.05	-1.88	3455.88	194.61	-3.346e+05
		-3.346e+05	-41.05	9.36e-04	0.0	125.5	-140.00	1992.74	-1.88	3455.88	-41.05	1.022e+05
21	102	1.058e+05	200.81	-0.07	-2683.75	0.0	-145.30	4738.23	-1.93	3597.12	200.81	-3.457e+05
		-3.457e+05	-41.78	9.46e-04	0.0	125.5	-145.30	2054.48	-1.93	3597.12	-41.78	1.058e+05
21	104	1.058e+05	200.62	-0.07	-2683.75	0.0	-145.78	4738.97	-1.93	3600.01	200.62	-3.458e+05
		-3.458e+05	-42.01	9.67e-04	0.0	125.5	-145.78	2055.22	-1.93	3600.01	-42.01	1.058e+05
21	105	1.022e+05	194.61	-0.07	-2585.32	0.0	-140.00	4578.05	-1.88	3455.88	194.61	-3.346e+05
		-3.346e+05	-41.05	9.36e-04	0.0	125.5	-140.00	1992.74	-1.88	3455.88	-41.05	1.022e+05
21	106	1.021e+05	194.42	-0.07	-2585.32	0.0	-140.48	4578.80	-1.88	3458.76	194.42	-3.347e+05
		-3.347e+05	-41.27	9.57e-04	0.0	125.5	-140.48	1993.48	-1.88	3458.76	-41.27	1.021e+05
22	5	3.214e+04	75.79	-1.07e-03	-1999.43	0.0	-92.52	884.42	-0.69	-693.99	75.79	1.281e+04
		755.42	6.53	9.81e-04	0.0	100.0	-92.52	-1115.00	-0.69	-693.99	6.53	755.42
22	11	5.280e+04	129.21	-1.67e-03	-3326.17	0.0	-153.35	1487.11	-1.07	-1004.51	129.21	1.994e+04
		1505.77	21.86	1.48e-03	0.0	100.0	-153.35	-1839.06	-1.07	-1004.51	21.86	1505.77
22	19	3.286e+04	68.40	-1.04e-03	-1999.43	0.0	-90.42	877.05	-0.76	-790.48	68.40	1.386e+04
		1061.41	-7.77	1.00e-03	0.0	100.0	-90.42	-1122.38	-0.76	-790.48	-7.77	1061.41
22	32	4.868e+04	25.13	8.64e-03	-2059.75	0.0	-152.33	-157.58	-0.32	-8647.31	-3.05	4.868e+04
		-7.090e+04	-3.05	3.81e-03	0.0	100.0	-152.33	-2217.33	-0.32	-8647.31	25.13	-7.090e+04
22	33	7.288e+04	155.05	-8.87e-03	-2059.75	0.0	-50.00	1987.16	-1.10	7286.96	155.05	-2.269e+04
		-2.269e+04	-15.13	-1.72e-03	0.0	100.0	-50.00	-72.59	-1.10	7286.96	-15.13	7.281e+04
22	39	3.384e+04	1187.76	-8.75e-04	-2059.75	0.0	2514.53	787.42	3.62	-8592.84	1187.76	1.868e+04
		-5277.18	805.75	-7.54e-04	0.0	100.0	2514.53	-1272.33	3.62	-8592.84	805.75	-5277.18
22	42	3.295e+04	-816.16	-1.32e-03	-2059.75	0.0	-2709.10	1039.40	-5.12	7365.97	-816.16	6948.76
		6948.76	-1047.93	2.78e-03	0.0	100.0	-2709.10	-1020.35	-5.12	7365.97	-1047.93	7449.16
22	47	2.998e+04	1243.51	8.38e-04	-2059.75	0.0	2096.54	679.46	1.18	-5559.06	1243.51	1.853e+04
		-1.565e+04	1067.65	5.52e-03	0.0	100.0	2096.54	-1380.29	1.18	-5559.06	1067.65	-1.565e+04
22	50	3.841e+04	-1078.06	-1.75e-03	-2059.75	0.0	-2291.11	1147.36	-2.69	4332.19	-1078.06	7600.74
		7600.74	-1103.68	-3.50e-03	0.0	100.0	-2291.11	-912.39	-2.69	4332.19	-1103.68	1.732e+04
22	64	3.487e+04	35.06	4.68e-03	-2059.75	0.0	-127.86	328.48	-0.47	-5140.39	35.06	3.245e+04
		-3.832e+04	21.05	2.10e-03	0.0	100.0	-127.86	-1731.27	-0.47	-5140.39	21.05	-3.832e+04
22	65	4.783e+04	123.02	-4.87e-03	-2059.75	0.0	-70.01	1498.60	-0.92	3732.93	123.02	-6314.90
		-6314.90	-2.44	-5.81e-05	0.0	100.0	-70.01	-561.15	-0.92	3732.93	-2.44	4.013e+04
22	71	3.339e+04	694.20	-9.14e-04	-2059.75	0.0	1332.15	832.67	1.67	-4912.39	694.20	1.674e+04
		-3234.41	452.89	1.57e-03	0.0	100.0	1332.15	-1227.08	1.67	-4912.39	452.89	-3234.41
22	74	3.296e+04	-434.28	-1.26e-03	-2059.75	0.0	-1530.02	994.41	-3.06	3504.94	-434.28	5042.63
		5042.63	-536.13	4.76e-04	0.0	100.0	-1530.02	-1065.34	-3.06	3504.94	-536.13	9390.36
22	79	3.119e+04	723.90	-7.18e-04	-2059.75	0.0	1098.37	773.27	0.31	-3240.70	723.90	1.666e+04
		-8961.40	596.80	5.02e-03	0.0	100.0	1098.37	-1286.48	0.31	-3240.70	596.80	-8961.40
22	82	3.587e+04	-565.83	-1.50e-03	-2059.75	0.0	-1296.23	1053.80	-1.70	1833.24	-565.83	9470.30
		9470.30	-578.20	-2.98e-03	0.0	100.0	-1296.23	-1005.95	-1.70	1833.24	-578.20	1.077e+04
22	87	3.305e+04	78.36	-1.10e-03	-2059.75	0.0	-95.38	912.45	-0.71	-702.52	78.36	1.308e+04
		802.27	7.69	9.99e-04	0.0	100.0	-95.38	-1147.30	-0.71	-702.52	7.69	802.27
22	88	3.309e+04	79.04	-1.08e-03	-2059.75	0.0	-98.93	913.54	-0.70	-703.73	79.04	1.307e+04
		904.11	9.30	1.02e-03	0.0	100.0	-98.93	-1146.21	-0.70	-703.73	9.30	904.11
22	89	3.305e+04	78.36	-1.10e-03	-2059.75	0.0	-95.38	912.45	-0.71	-702.52	78.36	1.308e+04
		802.27	7.69	9.99e-04	0.0	100.0	-95.38	-1147.30	-0.71	-702.52	7.69	802.27
22	95	3.900e+04	94.87	-1.24e-03	-2451.86	0.0	-113.04	1094.38	-0.80	-757.66	94.87	1.485e+04
		1079.59	14.82	1.11e-03	0.0	100.0	-113.04	-1357.48	-0.80	-757.66	14.82	1079.59
22	96	3.354e+04	73.43	-1.07e-03	-2059.75	0.0	-93.98	907.54	-0.75	-766.85	73.43	1.378e+04
		1006.26	-1.84	1.01e-03	0.0	100.0	-93.98	-1152.21	-0.75	-766.85	-1.84	1006.26
22	100	3.305e+04	78.36	-1.10e-03	-2059.75	0.0	-95.38	912.45	-0.71	-702.52	78.36	1.308e+04
		802.27	7.69	9.99e-04	0.0	100.0	-95.38	-1147.30	-0.71	-702.52	7.69	802.27
22	101	3.311e+04	79.49	-1.07e-03	-2059.75	0.0	-101.30	914.26	-0.69	-704.53	79.49	1.306e+04
		972.01	10.38	1.04e-03	0.0	100.0	-101.30	-1145.49	-0.69	-704.53	10.38	972.01
22	104	3.426e+04	82.02	-1.12e-03	-2138.17	0.0	-100.81	949.42	-0.72	-714.19	82.02	1.343e+04
		912.05	9.98	1.03e-03	0.0	100.0	-100.81	-1188.75	-0.72	-714.19	9.98	912.05
22	105	3.305e+04	78.36	-1.10e-03	-2059.75	0.0	-95.38	912.45	-0.71	-702.52	78.36	1.308e+04

		802.27	7.69	9.99e-04	0.0	100.0	-95.38	-1147.30	-0.71	-702.52	7.69	802.27
22	106	3.309e+04	79.04	-1.08e-03	-2059.75	0.0	-98.93	913.54	-0.70	-703.73	79.04	1.307e+04
		904.11	9.30	1.02e-03	0.0	100.0	-98.93	-1146.21	-0.70	-703.73	9.30	904.11
27	5	2.430e+05	-40.37	-0.03	-1998.79	0.0	-185.61	2262.99	-0.03	1274.65	-40.37	1.084e+05
		1.084e+05	-43.84	7.11e-04	0.0	100.0	-185.61	264.21	-0.03	1274.65	-43.84	2.430e+05
27	7	2.431e+05	-41.51	-0.03	-1998.79	0.0	-186.58	2266.24	-0.02	1302.28	-41.51	1.082e+05
		1.082e+05	-43.18	7.95e-04	0.0	100.0	-186.58	267.45	-0.02	1302.28	-43.18	2.431e+05
27	9	3.949e+05	-59.52	-0.05	-3325.10	0.0	-310.87	3695.73	-0.22	1203.36	-59.52	1.778e+05
		1.778e+05	-81.69	1.01e-03	0.0	100.0	-310.87	370.62	-0.22	1203.36	-81.69	3.949e+05
27	11	3.950e+05	-60.31	-0.05	-3325.10	0.0	-311.55	3698.00	-0.21	1222.70	-60.31	1.777e+05
		1.777e+05	-81.23	1.07e-03	0.0	100.0	-311.55	372.89	-0.21	1222.70	-81.23	3.950e+05
27	39	2.286e+05	1384.72	-0.07	-2059.09	0.0	1010.13	2536.86	-13.14	4128.03	1384.72	8.752e+04
		8.752e+04	-53.78	-0.02	0.0	100.0	1010.13	477.77	-13.14	4128.03	-53.78	2.286e+05
27	42	2.706e+05	-37.79	6.98e-03	-2059.09	0.0	-1393.13	2115.60	13.05	-1642.44	-1467.02	1.354e+05
		1.354e+05	-1467.02	0.02	0.0	100.0	-1393.13	56.51	13.05	-1642.44	-37.79	2.706e+05
27	43	2.291e+05	1370.96	-0.06	-2059.09	0.0	1037.20	2537.87	-13.49	4296.20	1370.96	8.788e+04
		8.788e+04	-48.16	-0.02	0.0	100.0	1037.20	478.77	-13.49	4296.20	-48.16	2.291e+05
27	45	2.326e+05	1251.45	-0.08	-2059.09	0.0	697.26	2722.38	-14.57	5336.03	1251.45	7.254e+04
		7.254e+04	-168.72	-0.02	0.0	100.0	697.26	663.29	-14.57	5336.03	-168.72	2.326e+05
27	46	2.702e+05	-43.41	-6.89e-03	-2059.09	0.0	-1420.21	2114.60	13.40	-1810.61	-1453.25	1.350e+05
		1.350e+05	-1453.25	0.02	0.0	100.0	-1420.21	55.51	13.40	-1810.61	-43.41	2.702e+05
27	50	2.785e+05	-40.08	-0.02	-2059.09	0.0	-949.42	2248.50	5.23	-4082.10	-687.94	1.255e+05
		1.255e+05	-687.94	-1.86e-03	0.0	100.0	-949.42	189.41	5.23	-4082.10	-40.08	2.785e+05
27	71	2.389e+05	739.46	-0.05	-2059.09	0.0	455.99	2440.26	-7.19	3213.45	739.46	9.894e+04
		9.894e+04	-46.94	-8.23e-03	0.0	100.0	455.99	381.17	-7.19	3213.45	-46.94	2.389e+05
27	74	2.604e+05	-44.50	-0.01	-2059.09	0.0	-839.27	2212.56	7.10	-724.82	-821.98	1.239e+05
		1.239e+05	-821.98	9.71e-03	0.0	100.0	-839.27	153.47	7.10	-724.82	-44.50	2.604e+05
27	75	2.391e+05	731.90	-0.05	-2059.09	0.0	470.96	2440.81	-7.38	3306.17	731.90	9.914e+04
		9.914e+04	-43.86	-6.59e-03	0.0	100.0	470.96	381.72	-7.38	3306.17	-43.86	2.391e+05
27	77	2.410e+05	666.30	-0.06	-2059.09	0.0	284.43	2542.45	-7.98	3876.17	666.30	9.069e+04
		9.069e+04	-110.25	-7.76e-03	0.0	100.0	284.43	483.36	-7.98	3876.17	-110.25	2.410e+05
27	78	2.601e+05	-47.58	-0.02	-2059.09	0.0	-854.24	2212.01	7.29	-817.53	-814.41	1.237e+05
		1.237e+05	-814.41	8.07e-03	0.0	100.0	-854.24	152.92	7.29	-817.53	-47.58	2.601e+05
27	82	2.645e+05	-46.07	-0.02	-2059.09	0.0	-594.69	2286.72	2.80	-2068.58	-393.29	1.181e+05
		1.181e+05	-393.29	-2.12e-03	0.0	100.0	-594.69	227.63	2.80	-2068.58	-46.07	2.645e+05
27	87	2.496e+05	-41.03	-0.03	-2059.09	0.0	-191.45	2325.76	-0.05	1238.79	-41.03	1.115e+05
		1.115e+05	-45.85	7.23e-04	0.0	100.0	-191.45	266.67	-0.05	1238.79	-45.85	2.496e+05
27	88	2.496e+05	-41.26	-0.03	-2059.09	0.0	-191.64	2326.41	-0.04	1244.32	-41.26	1.114e+05
		1.114e+05	-45.72	7.40e-04	0.0	100.0	-191.64	267.32	-0.04	1244.32	-45.72	2.496e+05
27	89	2.496e+05	-41.03	-0.03	-2059.09	0.0	-191.45	2325.76	-0.05	1238.79	-41.03	1.115e+05
		1.115e+05	-45.85	7.23e-04	0.0	100.0	-191.45	266.67	-0.05	1238.79	-45.85	2.496e+05
27	91	2.497e+05	-41.79	-0.03	-2059.09	0.0	-192.09	2327.93	-0.04	1257.21	-41.79	1.113e+05
		1.113e+05	-45.41	7.80e-04	0.0	100.0	-192.09	268.84	-0.04	1257.21	-45.41	2.497e+05
27	93	2.922e+05	-44.71	-0.04	-2451.08	0.0	-228.88	2732.07	-0.15	991.32	-44.71	1.314e+05
		1.314e+05	-59.23	7.62e-04	0.0	100.0	-228.88	280.99	-0.15	991.32	-59.23	2.922e+05
27	95	2.922e+05	-45.24	-0.04	-2451.08	0.0	-229.33	2733.59	-0.14	1004.22	-45.24	1.313e+05
		1.313e+05	-58.93	8.02e-04	0.0	100.0	-229.33	282.51	-0.14	1004.22	-58.93	2.922e+05
27	100	2.496e+05	-41.03	-0.03	-2059.09	0.0	-191.45	2325.76	-0.05	1238.79	-41.03	1.115e+05
		1.115e+05	-45.85	7.23e-04	0.0	100.0	-191.45	266.67	-0.05	1238.79	-45.85	2.496e+05
27	101	2.496e+05	-41.41	-0.03	-2059.09	0.0	-191.77	2326.84	-0.04	1248.00	-41.41	1.114e+05
		1.114e+05	-45.63	7.51e-04	0.0	100.0	-191.77	267.75	-0.04	1248.00	-45.63	2.496e+05
27	102	2.581e+05	-41.77	-0.03	-2137.49	0.0	-198.94	2407.02	-0.07	1189.30	-41.77	1.155e+05
		1.155e+05	-48.53	7.31e-04	0.0	100.0	-198.94	269.54	-0.07	1189.30	-48.53	2.581e+05
27	104	2.581e+05	-41.99	-0.03	-2137.49	0.0	-199.13	2407.67	-0.06	1194.82	-41.99	1.154e+05
		1.154e+05	-48.39	7.48e-04	0.0	100.0	-199.13	270.18	-0.06	1194.82	-48.39	2.581e+05
27	105	2.496e+05	-41.03	-0.03	-2059.09	0.0	-191.45	2325.76	-0.05	1238.79	-41.03	1.115e+05
		1.115e+05	-45.85	7.23e-04	0.0	100.0	-191.45	266.67	-0.05	1238.79	-45.85	2.496e+05
27	106	2.496e+05	-41.26	-0.03	-2059.09	0.0	-191.64	2326.41	-0.04	1244.32	-41.26	1.114e+05
		1.114e+05	-45.72	7.40e-04	0.0	100.0	-191.64	267.32	-0.04	1244.32	-45.72	2.496e+05
29	5	-2.150e+04	69.37	1.32e-03	-1516.85	0.0	94.07	-1400.98	-2.55	1991.19	69.37	-2.150e+04
		-1.938e+04	-124.31	5.98e-04	0.0	75.9	94.07	-2917.84	-2.55	1991.19	-124.31	-1.938e+04
29	9	-3.493e+04	102.68	2.12e-03	-2523.38	0.0	121.39	-2255.63	-3.96	3862.12	102.68	-3.493e+04
		-3.154e+05	-198.00	8.55e-04	0.0	75.9	121.39	-4779.01	-3.96	3862.12	-198.00	-3.154e+05
29	12	-2.710e+04	79.50	1.65e-03	-1963.07	0.0	90.18	-1755.38	-3.08	3014.63	79.50	-2.710e+04
		-2.454e+05	-154.38	6.50e-04	0.0	75.9	90.18	-3718.45	-3.08	3014.63	-154.38	-2.454e+05
29	16	-3.245e+04	111.71	2.00e-03	-2300.28	0.0	130.76	-2157.55	-4.16	2564.50	111.71	-3.245e+04
		-2.965e+05	-203.80	8.44e-04	0.0	75.9	130.76	-4457.82	-4.16	2564.50	-203.80	-2.965e+05
29	17	-2.987e+04	106.52	1.83e-03	-2077.17	0.0	147.57	-1966.46	-3.85	2085.88	106.52	-2.987e+04
		-2.697e+05	-185.85	8.66e-04	0.0	75.9	147.57	-4043.63	-3.85	2085.88	-185.85	-2.697e+05
29	31	-8.074e+04	260.14	-6.34e-03	-1562.62	0.0	1490.52	-2069.11	4.13	-5487.82	149.39	-8.074e+04
		-3.147e+05	149.39	-5.31e-04	0.0	75.9	1490.52	-3631.73	4.13	-5487.82	260.14	-3.147e+05
29	37	4.592e+04	350.88	5.37e-03	-1562.62	0.0	-503.17	-841.61	-7.99	5196.75	350.88	4.592e+04
		-8.528e+04	-253.83	-7.82e-04	0.0	75.9	-503.17	-2404.22	-7.99	5196.75	-253.83	-8.528e+04
29	39	-2.651e+04	633.40	-2.73e-03	-1562.62	0.0	2066.14	-1706.07	9.36	-1.139e+04	633.40	-2.651e+04
		-2.543e+05	526.72	-0.01	0.0	75.9	2066.14	-3268.69	9.36	-1.139e+04	526.72	-2.543e+05
29	41	1.092e+04	714.62	1.57e-03	-1562.62	0.0	1466.62	-1349.69	6.78	-8477.45	714.62	1.092e+04
		-1.900e+05	401.23	-9.84e-03	0.0	75.9	1466.62	-2912.31	6.78	-8477.45	401.23	-1.900e+05
29	42	-1.776e+04	-492.19	2.44e-03	-1562.62	0.0	-1870.19	-1160.14	-14.56	1.561e+04	-492.19	-1.776e+04
		-1.432e+05	-779.64	0.01	0.0	75.9	-1870.19	-2722.76	-14.56	1.561e+04	-779.64	-1.432e+05
29	63	-5.398e+04	115.73	-3.55e-03	-1562.62	0.0	864.38	-1782.33	1.00	-2022.95	115.73	-5.398e+04

		-2.621e+05	85.08	3.21e-04	0.0	75.9	864.38	-3344.95	1.00	-2022.95	85.08-2.621e+05
29	69	1.570e+04	218.19	2.81e-03	-1562.62	0.0	-232.21	-1107.53	-5.51	3845.91	218.19 1.570e+04
		-1.359e+05	-197.95	1.66e-04	0.0	75.9	-232.21	-2670.14	-5.51	3845.91	-197.95-1.359e+05
29	71	-2.322e+04	372.19	-1.65e-03	-1562.62	0.0	1192.52	-1583.84	3.73	-5159.04	372.19-2.322e+04
		-2.280e+05	229.05	-5.71e-03	0.0	75.9	1192.52	-3146.46	3.73	-5159.04	229.05-2.280e+05
29	73	-2622.48	415.41	1.40e-03	-1562.62	0.0	862.68	-1387.88	2.32	-3561.20	415.41 -2622.48
		-1.926e+05	159.98	-4.03e-03	0.0	75.9	862.68	-2950.50	2.32	-3561.20	159.98-1.926e+05
29	74	-2.110e+04	-231.47	1.89e-03	-1562.62	0.0	-993.28	-1279.71	-8.91	9377.84	-231.47-2.110e+04
		-1.694e+05	-481.50	6.96e-03	0.0	75.9	-993.28	-2842.33	-8.91	9377.84	-481.50-1.694e+05
29	87	-2.210e+04	70.39	1.35e-03	-1562.62	0.0	95.37	-1435.74	-2.60	2099.94	70.39-2.210e+04
		-1.990e+05	-127.06	6.09e-04	0.0	75.9	95.37	-2998.36	-2.60	2099.94	-127.06-1.990e+05
29	88	-2.216e+04	70.36	1.35e-03	-1562.62	0.0	99.62	-1431.78	-2.59	2109.40	70.36-2.216e+04
		-1.987e+05	-126.23	6.23e-04	0.0	75.9	99.62	-2994.39	-2.59	2109.40	-126.23-1.987e+05
29	89	-2.210e+04	70.39	1.35e-03	-1562.62	0.0	95.37	-1435.74	-2.60	2099.94	70.39-2.210e+04
		-1.990e+05	-127.06	6.09e-04	0.0	75.9	95.37	-2998.36	-2.60	2099.94	-127.06-1.990e+05
29	93	-2.584e+04	77.15	1.57e-03	-1860.09	0.0	92.78	-1672.01	-2.96	2782.23	77.15-2.584e+04
		-2.334e+05	-147.11	6.44e-04	0.0	75.9	92.78	-3532.10	-2.96	2782.23	-147.11-2.334e+05
29	97	-2.418e+04	83.17	1.49e-03	-1711.36	0.0	99.03	-1606.62	-3.09	1917.16	83.17-2.418e+04
		-2.207e+05	-150.97	6.36e-04	0.0	75.9	99.03	-3317.98	-3.09	1917.16	-150.97-2.207e+05
29	98	-2.246e+04	79.72	1.38e-03	-1562.62	0.0	110.23	-1479.23	-2.88	1598.08	79.72-2.246e+04
		-2.029e+05	-139.01	6.51e-04	0.0	75.9	110.23	-3041.85	-2.88	1598.08	-139.01-2.029e+05
29	100	-2.210e+04	70.39	1.35e-03	-1562.62	0.0	95.37	-1435.74	-2.60	2099.94	70.39-2.210e+04
		-1.990e+05	-127.06	6.09e-04	0.0	75.9	95.37	-2998.36	-2.60	2099.94	-127.06-1.990e+05
29	101	-2.220e+04	70.34	1.34e-03	-1562.62	0.0	102.45	-1429.13	-2.58	2115.70	70.34-2.220e+04
		-1.985e+05	-125.67	6.32e-04	0.0	75.9	102.45	-2991.75	-2.58	2115.70	-125.67-1.985e+05
29	102	-2.284e+04	71.74	1.39e-03	-1622.11	0.0	94.85	-1483.00	-2.67	2236.40	71.74-2.284e+04
		-2.058e+05	-131.07	6.16e-04	0.0	75.9	94.85	-3105.11	-2.67	2236.40	-131.07-2.058e+05
29	105	-2.210e+04	70.39	1.35e-03	-1562.62	0.0	95.37	-1435.74	-2.60	2099.94	70.39-2.210e+04
		-1.990e+05	-127.06	6.09e-04	0.0	75.9	95.37	-2998.36	-2.60	2099.94	-127.06-1.990e+05
29	106	-2.216e+04	70.36	1.35e-03	-1562.62	0.0	99.62	-1431.78	-2.59	2109.40	70.36-2.216e+04
		-1.987e+05	-126.23	6.23e-04	0.0	75.9	99.62	-2994.39	-2.59	2109.40	-126.23-1.987e+05
30	7	5.829e+04	-14.40	0.01	-2259.35	0.0	93.65	-542.59	-0.59	192.73	-14.40 5.829e+04
		-1.426e+05	-80.76	9.73e-04	0.0	113.0	93.65	-2801.94	-0.59	192.73	-80.76-1.426e+05
30	9	9.911e+04	-36.44	0.01	-3758.57	0.0	94.07	-727.60	-0.82	-313.99	-36.44 9.911e+04
		-2.145e+05	-129.54	1.23e-03	0.0	113.0	94.07	-4486.17	-0.82	-313.99	-129.54-2.145e+05
30	11	9.721e+04	-34.38	0.02	-3758.57	0.0	104.29	-765.04	-0.79	-217.19	-34.38 9.721e+04
		-2.208e+05	-123.20	1.30e-03	0.0	113.0	104.29	-4523.61	-0.79	-217.19	-123.20-2.208e+05
30	12	7.743e+04	-29.02	0.01	-2923.98	0.0	69.84	-555.39	-0.64	-277.47	-29.02 7.743e+04
		-1.653e+05	-101.51	9.34e-04	0.0	113.0	69.84	-3479.37	-0.64	-277.47	-101.51-1.653e+05
30	17	8.404e+04	-23.43	0.01	-3093.94	0.0	121.51	-757.55	-0.81	99.47	-23.43 8.404e+04
		-1.928e+05	-115.44	1.26e-03	0.0	113.0	121.51	-3851.49	-0.81	99.47	-115.44-1.928e+05
30	28	-3170.52	99.06	0.03	-2327.52	0.0	1161.57	-1335.87	-6.18	-1109.35	99.06 -3170.52
		-2.964e+05	-670.21	-2.67e-03	0.0	113.0	1161.57	-3663.38	-6.18	-1109.35	-670.21-2.964e+05
30	29	1.280e+05	491.01	-7.81e-03	-2327.52	0.0	-991.28	316.11	4.88	1250.78	491.01 1.280e+05
		1.814e+04	-131.56	4.52e-03	0.0	113.0	-991.28	-2011.41	4.88	1250.78	491.01 1.814e+04
30	39	7.117e+04	-323.99	-0.02	-2327.52	0.0	3653.76	-258.16	8.99	-1.292e+04	-323.99 7.117e+04
		-1.040e+05	-1331.33	-0.01	0.0	113.0	3653.76	-2585.67	8.99	-1.292e+04	-1331.33-1.040e+05
30	42	5.311e+04	1153.21	0.03	-2327.52	0.0	-3490.82	-757.47	-10.26	1.307e+04	1153.21 5.311e+04
		-1.734e+05	289.56	0.02	0.0	113.0	-3490.82	-3084.99	-10.26	1.307e+04	289.56-1.734e+05
30	61	9.826e+04	215.50	-2.19e-03	-2327.52	0.0	-505.07	-40.71	2.25	639.95	215.50 9.826e+04
		-5.032e+04	-77.30	3.38e-03	0.0	113.0	-505.07	-2368.22	2.25	639.95	-77.30-5.032e+04
30	71	6.853e+04	-171.05	-6.04e-03	-2327.52	0.0	2081.91	-315.58	4.18	-7290.13	-171.05 6.853e+04
		-1.117e+05	-771.31	-5.89e-03	0.0	113.0	2081.91	-2643.10	4.18	-7290.13	-771.31-1.117e+05
30	74	5.532e+04	594.34	0.03	-2327.52	0.0	-1917.52	-706.18	-5.43	7408.37	594.34 5.532e+04
		-1.669e+05	135.61	7.70e-03	0.0	113.0	-1917.52	-3033.70	-5.43	7408.37	135.61-1.669e+05
30	80	2.780e+04	106.54	0.03	-2327.52	0.0	-438.82	-1026.13	-5.35	2461.80	106.54 2.780e+04
		-2.314e+05	-543.76	-3.87e-03	0.0	113.0	-438.82	-3353.65	-5.35	2461.80	-543.76-2.314e+05
30	87	6.247e+04	-18.31	9.20e-03	-2327.52	0.0	79.27	-500.19	-0.64	31.46	-18.31 6.247e+04
		-1.375e+05	-90.29	8.85e-04	0.0	113.0	79.27	-2827.70	-0.64	31.46	-90.29-1.375e+05
30	88	6.193e+04	-17.72	9.74e-03	-2327.52	0.0	82.19	-510.88	-0.63	59.12	-17.72 6.193e+04
		-1.393e+05	-88.48	9.06e-04	0.0	113.0	82.19	-2838.40	-0.63	59.12	-88.48-1.393e+05
30	91	6.066e+04	-16.34	0.01	-2327.52	0.0	89.00	-535.84	-0.60	123.65	-16.34 6.066e+04
		-1.435e+05	-84.25	9.54e-04	0.0	113.0	89.00	-2863.36	-0.60	123.65	-84.25-1.435e+05
30	93	7.342e+04	-26.09	9.96e-03	-2770.60	0.0	73.14	-544.38	-0.64	-189.81	-26.09 7.342e+04
		-1.587e+05	-98.09	9.27e-04	0.0	113.0	73.14	-3314.98	-0.64	-189.81	-98.09-1.587e+05
30	95	7.216e+04	-24.72	0.01	-2770.60	0.0	79.95	-569.33	-0.61	-125.28	-24.72 7.216e+04
		-1.629e+05	-93.86	9.76e-04	0.0	113.0	79.95	-3339.94	-0.61	-125.28	-93.86-1.629e+05
30	98	6.337e+04	-17.42	0.01	-2327.52	0.0	91.43	-564.34	-0.63	85.83	-17.42 6.337e+04
		-1.442e+05	-88.69	9.45e-04	0.0	113.0	91.43	-2891.86	-0.63	85.83	-88.69-1.442e+05
30	101	6.157e+04	-17.33	0.01	-2327.52	0.0	84.14	-518.01	-0.62	77.56	-17.33 6.157e+04
		-1.405e+05	-87.27	9.19e-04	0.0	113.0	84.14	-2845.53	-0.62	77.56	-87.27-1.405e+05
30	102	6.466e+04	-19.87	9.35e-03	-2416.13	0.0	78.05	-509.02	-0.64	-12.79	-19.87 6.466e+04
		-1.417e+05	-91.85	8.94e-04	0.0	113.0	78.05	-2925.16	-0.64	-12.79	-91.85-1.417e+05
30	104	6.412e+04	-19.28	9.90e-03	-2416.13	0.0	80.97	-519.72	-0.63	14.87	-19.28 6.412e+04
		-1.435e+05	-90.04	9.14e-04	0.0	113.0	80.97	-2935.86	-0.63	14.87	-90.04-1.435e+05
30	105	6.247e+04	-18.31	9.20e-03	-2327.52	0.0	79.27	-500.19	-0.64	31.46	-18.31 6.247e+04
		-1.375e+05	-90.29	8.85e-04	0.0	113.0	79.27	-2827.70	-0.64	31.46	-90.29-1.375e+05
30	106	6.193e+04	-17.72	9.74e-03	-2327.52	0.0	82.19	-510.88	-0.63	59.12	-17.72 6.193e+04
		-1.393e+05	-88.48	9.06e-04	0.0	113.0	82.19	-2838.40	-0.63	59.12	-88.48-1.393e+05
33	5	2.503e+05	-43.83	0.03	-2185.65	0.0	-163.79	522.26	-1.39	-1780.20	-43.83 2.444e+05

		1.785e+05	-195.81	6.83e-04	0.0	109.3	-163.79	-1663.39	-1.39	-1780.20	-195.81	1.785e+05
33	11	4.076e+05	-81.21	0.05	-3635.97	0.0	-274.11	866.22	-1.62	-4750.89	-81.21	3.975e+05
		2.887e+05	-258.25	1.02e-03	0.0	109.3	-274.11	-2769.75	-1.62	-4750.89	-258.25	2.887e+05
33	18	3.833e+05	-70.04	0.04	-3314.49	0.0	-252.63	779.44	-2.11	-2282.35	-70.04	3.747e+05
		2.731e+05	-300.33	1.01e-03	0.0	109.3	-252.63	-2535.06	-2.11	-2282.35	-300.33	2.731e+05
33	21	2.594e+05	-42.23	0.03	-2185.65	0.0	-167.25	512.36	-1.81	-287.85	-42.23	2.539e+05
		1.859e+05	-240.31	7.61e-04	0.0	109.3	-167.25	-1673.30	-1.81	-287.85	-240.31	1.859e+05
33	40	2.104e+05	71.67	0.08	-2251.60	0.0	-1029.41	144.58	-29.52	-7256.03	71.67	2.098e+05
		1.036e+05	-3180.23	0.02	0.0	109.3	-1029.41	-2107.01	-29.52	-7256.03	-3180.23	1.036e+05
33	41	3.101e+05	2787.19	-0.02	-2251.60	0.0	691.64	932.01	26.76	3299.68	-163.20	2.922e+05
		2.629e+05	-163.20	-0.02	0.0	109.3	691.64	-1319.59	26.76	3299.68	2787.19	2.629e+05
33	43	2.866e+05	2008.23	-0.01	-2251.60	0.0	882.22	770.20	18.63	1753.47	-48.25	2.748e+05
		2.279e+05	-48.25	-0.02	0.0	109.3	882.22	-1481.40	18.63	1753.47	2008.23	2.279e+05
33	46	2.296e+05	-43.28	0.06	-2251.60	0.0	-1219.98	306.39	-21.39	-5709.82	-43.28	2.272e+05
		1.386e+05	-2401.27	0.02	0.0	109.3	-1219.98	-1945.20	-21.39	-5709.82	-2401.27	1.386e+05
33	72	2.313e+05	15.78	0.06	-2251.60	0.0	-631.91	323.69	-16.80	-5267.49	15.78	2.289e+05
		1.401e+05	-1833.23	8.15e-03	0.0	109.3	-631.91	-1927.91	-16.80	-5267.49	-1833.23	1.401e+05
33	73	2.850e+05	1439.90	-8.67e-03	-2251.60	0.0	293.97	753.26	14.03	1314.24	-107.18	2.732e+05
		2.265e+05	-107.18	-6.73e-03	0.0	109.3	293.97	-1498.34	14.03	1314.24	1439.90	2.265e+05
33	75	2.726e+05	1011.55	9.52e-03	-2251.60	0.0	398.41	664.10	9.56	465.50	-43.87	2.636e+05
		2.072e+05	-43.87	-7.23e-03	0.0	109.3	398.41	-1587.50	9.56	465.50	1011.55	2.072e+05
33	78	2.424e+05	-47.53	0.05	-2251.60	0.0	-736.36	412.85	-12.33	-4418.75	-47.53	2.384e+05
		1.594e+05	-1404.89	8.66e-03	0.0	109.3	-736.36	-1838.74	-12.33	-4418.75	-1404.89	1.594e+05
33	87	2.571e+05	-45.83	0.03	-2251.60	0.0	-168.87	537.83	-1.37	-1982.23	-45.83	2.510e+05
		1.832e+05	-196.13	6.95e-04	0.0	109.3	-168.87	-1713.77	-1.37	-1982.23	-196.13	1.832e+05
33	88	2.572e+05	-45.70	0.03	-2251.60	0.0	-168.97	538.47	-1.38	-1976.62	-45.70	2.510e+05
		1.833e+05	-196.67	7.13e-04	0.0	109.3	-168.97	-1713.12	-1.38	-1976.62	-196.67	1.833e+05
33	89	2.571e+05	-45.83	0.03	-2251.60	0.0	-168.87	537.83	-1.37	-1982.23	-45.83	2.510e+05
		1.832e+05	-196.13	6.95e-04	0.0	109.3	-168.87	-1713.77	-1.37	-1982.23	-196.13	1.832e+05
33	95	3.015e+05	-58.91	0.03	-2680.23	0.0	-201.87	638.81	-1.27	-3296.87	-58.91	2.941e+05
		2.138e+05	-198.10	7.65e-04	0.0	109.3	-201.87	-2041.42	-1.27	-3296.87	-198.10	2.138e+05
33	98	2.631e+05	-44.77	0.03	-2251.60	0.0	-171.17	531.22	-1.66	-987.32	-44.77	2.574e+05
		1.882e+05	-225.80	7.46e-04	0.0	109.3	-171.17	-1720.37	-1.66	-987.32	-225.80	1.882e+05
33	99	2.852e+05	-51.46	0.03	-2465.91	0.0	-187.55	580.96	-1.60	-1651.18	-51.46	2.789e+05
		2.033e+05	-226.16	7.60e-04	0.0	109.3	-187.55	-1884.95	-1.60	-1651.18	-226.16	2.033e+05
33	100	2.571e+05	-45.83	0.03	-2251.60	0.0	-168.87	537.83	-1.37	-1982.23	-45.83	2.510e+05
		1.832e+05	-196.13	6.95e-04	0.0	109.3	-168.87	-1713.77	-1.37	-1982.23	-196.13	1.832e+05
33	101	2.572e+05	-45.61	0.03	-2251.60	0.0	-169.04	538.90	-1.39	-1972.89	-45.61	2.510e+05
		1.834e+05	-197.02	7.26e-04	0.0	109.3	-169.04	-1712.69	-1.39	-1972.89	-197.02	1.834e+05
33	104	2.660e+05	-48.38	0.03	-2337.32	0.0	-175.52	558.37	-1.36	-2242.17	-48.38	2.596e+05
		1.894e+05	-196.81	7.19e-04	0.0	109.3	-175.52	-1778.95	-1.36	-2242.17	-196.81	1.894e+05
33	105	2.571e+05	-45.83	0.03	-2251.60	0.0	-168.87	537.83	-1.37	-1982.23	-45.83	2.510e+05
		1.832e+05	-196.13	6.95e-04	0.0	109.3	-168.87	-1713.77	-1.37	-1982.23	-196.13	1.832e+05
33	106	2.572e+05	-45.70	0.03	-2251.60	0.0	-168.97	538.47	-1.38	-1976.62	-45.70	2.510e+05
		1.833e+05	-196.67	7.13e-04	0.0	109.3	-168.97	-1713.12	-1.38	-1976.62	-196.67	1.833e+05
34	7	1.771e+05	212.48	0.08	-2453.33	0.0	-166.84	-1271.21	-61.60	5514.24	212.48	1.771e+05
		-1.494e+05	-7345.56	1.31e-03	0.0	122.7	-166.84	-3724.55	-61.60	5514.24	-7345.56	-1.494e+05
34	9	2.854e+05	280.77	0.14	-4081.28	0.0	-288.30	-2066.44	-102.37	1.179e+04	280.77	2.854e+05
		-2.493e+05	-1.228e+04	1.85e-03	0.0	122.7	-288.30	-6147.72	-102.37	1.179e+04	-1.228e+04	-2.493e+05
34	11	2.859e+05	283.02	0.14	-4081.28	0.0	-286.10	-2063.32	-102.01	1.180e+04	283.02	2.859e+05
		-2.484e+05	-1.223e+04	1.91e-03	0.0	122.7	-286.10	-6144.60	-102.01	1.180e+04	-1.223e+04	-2.484e+05
34	18	2.696e+05	320.39	0.13	-3720.43	0.0	-262.73	-1975.00	-95.49	7494.68	320.39	2.696e+05
		-2.324e+05	-1.140e+04	1.85e-03	0.0	122.7	-262.73	-5695.43	-95.49	7494.68	-1.140e+04	-2.324e+05
34	31	6.640e+04	2254.28	0.05	-2527.35	0.0	-449.31	-1677.52	-138.30	5243.18	2254.28	6.640e+04
		-3.121e+05	-1.472e+04	-6.63e-04	0.0	122.7	-449.31	-4204.87	-138.30	5243.18	-1.472e+04	-3.121e+05
34	34	2.960e+05	-511.50	0.12	-2527.35	0.0	99.95	-939.60	10.73	6537.66	-1832.83	2.960e+05
		2525.23	-1832.83	3.07e-03	0.0	122.7	99.95	-3466.95	10.73	6537.66	-511.50	2525.23
34	39	7.255e+04	3007.42	0.09	-2527.35	0.0	-840.72	-1523.40	-151.46	8930.32	3007.42	7.255e+04
		-2.813e+05	-1.558e+04	-0.02	0.0	122.7	-840.72	-4050.75	-151.46	8930.32	-1.558e+04	-2.813e+05
34	42	2.899e+05	347.30	0.08	-2527.35	0.0	490.83	-1093.89	23.84	2838.43	-2586.17	2.899e+05
		-2.833e+04	-2586.17	0.02	0.0	122.7	490.83	-3621.25	23.84	2838.43	347.30	-2.833e+04
34	63	1.183e+05	1333.88	0.07	-2527.35	0.0	-323.40	-1509.56	-104.59	5652.65	1333.88	1.183e+05
		-2.409e+05	-1.150e+04	1.04e-03	0.0	122.7	-323.40	-4036.91	-104.59	5652.65	-1.150e+04	-2.409e+05
34	66	2.442e+05	-912.19	0.10	-2527.35	0.0	-26.07	-1107.15	-22.96	6117.38	-912.19	2.442e+05
		-6.860e+04	-3726.03	1.68e-03	0.0	122.7	-26.07	-3634.50	-22.96	6117.38	-3726.03	-6.860e+04
34	71	1.223e+05	1746.26	0.09	-2527.35	0.0	-533.24	-1420.58	-111.42	7959.77	1746.26	1.223e+05
		-2.230e+05	-1.193e+04	-9.52e-03	0.0	122.7	-533.24	-3947.94	-111.42	7959.77	-1.193e+04	-2.230e+05
34	74	2.402e+05	-1324.57	0.08	-2527.35	0.0	183.77	-1196.13	-16.13	3810.26	-1324.57	2.402e+05
		-8.649e+04	-3299.37	0.01	0.0	122.7	183.77	-3723.48	-16.13	3810.26	-3299.37	-8.649e+04
34	87	1.811e+05	210.20	0.09	-2527.35	0.0	-175.36	-1309.24	-63.88	5881.07	210.20	1.811e+05
		-1.550e+05	-7627.73	1.25e-03	0.0	122.7	-175.36	-3836.60	-63.88	5881.07	-7627.73	-1.550e+05
34	88	1.812e+05	210.85	0.09	-2527.35	0.0	-174.74	-1308.35	-63.77	5885.02	210.85	1.812e+05
		-1.547e+05	-7614.32	1.27e-03	0.0	122.7	-174.74	-3835.71	-63.77	5885.02	-7614.32	-1.547e+05
34	91	1.816e+05	212.34	0.09	-2527.35	0.0	-173.27	-1306.28	-63.53	5894.22	212.34	1.816e+05
		-1.541e+05	-7583.01	1.31e-03	0.0	122.7	-173.27	-3833.63	-63.53	5894.22	-7583.01	-1.541e+05
34	93	2.113e+05	214.59	0.10	-3008.48	0.0	-211.99	-1529.81	-75.59	8383.40	214.59	2.113e+05
		-1.840e+05	-9060.73	1.38e-03	0.0	122.7	-211.99	-4538.29	-75.59	8383.40	-9060.73	-1.840e+05
34	95	2.116e+05	216.08	0.10	-3008.48	0.0	-210.53	-1527.73	-75.35	8392.60	216.08	2.116e+05
		-1.834e+05	-9029.43	1.42e-03	0.0	122.7	-210.53	-4536.21	-75.35	8392.60	-9029.43	-1.834e+05
34	99	2.007e+05	241.00	0.10	-2767.92	0.0	-194.95	-1468.85	-71.00	5522.90	241.00	2.007e+05

		-1.727e+05	-8470.87	1.38e-03	0.0	122.7	-194.95	-4236.77	-71.00	5522.90	-8470.87	-1.727e+05
34	101	1.813e+05	211.27	0.09	-2527.35	0.0	-174.32	-1307.76	-63.70	5887.64	211.27	1.813e+05
		-1.546e+05	-7605.37	1.28e-03	0.0	122.7	-174.32	-3835.11	-63.70	5887.64	-7605.37	-1.546e+05
34	102	1.871e+05	211.08	0.09	-2623.58	0.0	-182.69	-1353.36	-66.22	6381.54	211.08	1.871e+05
		-1.608e+05	-7914.33	1.28e-03	0.0	122.7	-182.69	-3976.94	-66.22	6381.54	-7914.33	-1.608e+05
34	104	1.873e+05	211.72	0.09	-2623.58	0.0	-182.06	-1352.47	-66.12	6385.48	211.72	1.873e+05
		-1.605e+05	-7900.92	1.29e-03	0.0	122.7	-182.06	-3976.05	-66.12	6385.48	-7900.92	-1.605e+05
34	105	1.811e+05	210.20	0.09	-2527.35	0.0	-175.36	-1309.24	-63.88	5881.07	210.20	1.811e+05
		-1.550e+05	-7627.73	1.25e-03	0.0	122.7	-175.36	-3836.60	-63.88	5881.07	-7627.73	-1.550e+05
34	106	1.812e+05	210.85	0.09	-2527.35	0.0	-174.74	-1308.35	-63.77	5885.02	210.85	1.812e+05
		-1.547e+05	-7614.32	1.27e-03	0.0	122.7	-174.74	-3835.71	-63.77	5885.02	-7614.32	-1.547e+05
35	7	1.004e+05	66.98	-0.04	-2649.25	0.0	14.75	3783.65	1.09	-3407.36	-77.01	-2.440e+05
		-2.440e+05	-77.01	1.12e-03	0.0	132.5	14.75	1134.40	1.09	-3407.36	66.98	1.004e+05
35	9	1.633e+05	111.21	-0.07	-4407.19	0.0	-29.64	6202.59	1.77	-7135.84	-123.21	-3.958e+05
		-3.958e+05	-123.21	1.42e-03	0.0	132.5	-29.64	1795.40	1.77	-7135.84	111.21	1.633e+05
35	11	1.631e+05	110.04	-0.07	-4407.19	0.0	-19.16	6205.98	1.75	-7099.03	-121.87	-3.965e+05
		-3.965e+05	-121.87	1.50e-03	0.0	132.5	-19.16	1798.79	1.75	-7099.03	110.04	1.631e+05
35	16	1.547e+05	115.63	-0.06	-4017.53	0.0	-14.02	5767.27	1.84	-4735.82	-128.77	-3.721e+05
		-3.721e+05	-128.77	1.39e-03	0.0	132.5	-14.02	1749.74	1.84	-4735.82	115.63	1.547e+05
35	31	1.609e+05	574.31	-0.04	-2729.18	0.0	690.64	3543.88	3.52	-9701.24	-113.55	-1.471e+05
		-1.471e+05	-113.55	9.68e-04	0.0	132.5	690.64	814.70	3.52	-9701.24	574.31	1.609e+05
35	34	4.591e+04	-46.88	-0.04	-2729.18	0.0	-683.64	4229.79	-1.27	2389.54	-46.88	-3.525e+05
		-3.525e+05	-436.36	3.08e-03	0.0	132.5	-683.64	1500.61	-1.27	2389.54	-436.36	4.591e+04
35	40	1.023e+05	456.65	-0.04	-2729.18	0.0	1758.06	3818.57	-11.10	6901.63	456.65	-2.417e+05
		-2.417e+05	-1052.15	0.02	0.0	132.5	1758.06	1089.39	-11.10	6901.63	-1052.15	1.023e+05
35	41	1.045e+05	1192.79	-0.04	-2729.18	0.0	-1757.91	3955.17	13.38	-1.424e+04	-617.09	-2.580e+05
		-2.580e+05	-617.09	-0.02	0.0	132.5	-1757.91	1225.99	13.38	-1.424e+04	1192.79	1.045e+05
35	43	1.358e+05	1271.70	-0.04	-2729.18	0.0	-1067.31	3757.09	12.62	-1.614e+04	-538.95	-2.005e+05
		-2.005e+05	-538.95	-0.02	0.0	132.5	-1067.31	1027.91	12.62	-1.614e+04	1271.70	1.358e+05
35	46	7.097e+04	378.51	-0.04	-2729.18	0.0	1067.45	4016.64	-10.35	8804.31	378.51	-2.991e+05
		-2.991e+05	-1131.06	0.02	0.0	132.5	1067.45	1287.46	-10.35	8804.31	-1131.06	7.097e+04
35	63	1.349e+05	336.68	-0.04	-2729.18	0.0	396.53	3699.02	2.44	-6885.12	-97.84	-1.936e+05
		-1.936e+05	-97.84	5.15e-04	0.0	132.5	396.53	969.84	2.44	-6885.12	336.68	1.349e+05
35	66	7.183e+04	-62.41	-0.04	-2729.18	0.0	-393.92	4075.28	-0.18	-444.76	-62.41	-3.062e+05
		-3.062e+05	-196.61	1.56e-03	0.0	132.5	-393.92	1346.10	-0.18	-444.76	-196.61	7.183e+04
35	72	1.030e+05	212.75	-0.04	-2729.18	0.0	906.54	3847.89	-5.44	1819.71	212.75	-2.447e+05
		-2.447e+05	-528.90	9.56e-03	0.0	132.5	906.54	1118.71	-5.44	1819.71	-528.90	1.030e+05
35	73	1.037e+05	668.98	-0.04	-2729.18	0.0	-903.93	3926.41	7.70	-9149.59	-373.00	-2.551e+05
		-2.551e+05	-373.00	-7.48e-03	0.0	132.5	-903.93	1197.23	7.70	-9149.59	668.98	1.037e+05
35	75	1.209e+05	708.90	-0.04	-2729.18	0.0	-524.27	3817.44	7.30	-1.019e+04	-330.06	-2.235e+05
		-2.235e+05	-330.06	-8.21e-03	0.0	132.5	-524.27	1088.27	7.30	-1.019e+04	708.90	1.209e+05
35	78	8.582e+04	169.81	-0.04	-2729.18	0.0	526.88	3956.86	-5.04	2862.72	169.81	-2.763e+05
		-2.763e+05	-568.83	0.01	0.0	132.5	526.88	1227.68	-5.04	2862.72	-568.83	8.582e+04
35	87	1.034e+05	70.37	-0.04	-2729.18	0.0	-1.69	3886.18	1.14	-3675.46	-80.51	-2.497e+05
		-2.497e+05	-80.51	1.01e-03	0.0	132.5	-1.69	1157.00	1.14	-3675.46	70.37	1.034e+05
35	88	1.034e+05	70.04	-0.04	-2729.18	0.0	1.30	3887.15	1.13	-3664.94	-80.13	-2.499e+05
		-2.499e+05	-80.13	1.04e-03	0.0	132.5	1.30	1157.97	1.13	-3664.94	70.04	1.034e+05
35	91	1.032e+05	69.26	-0.04	-2729.18	0.0	8.29	3889.41	1.12	-3640.40	-79.24	-2.504e+05
		-2.504e+05	-79.24	1.09e-03	0.0	132.5	8.29	1160.23	1.12	-3640.40	69.26	1.032e+05
35	93	1.209e+05	82.38	-0.05	-3248.73	0.0	-19.01	4581.63	1.31	-5103.61	-91.82	-2.927e+05
		-2.927e+05	-91.82	1.07e-03	0.0	132.5	-19.01	1332.90	1.31	-5103.61	82.38	1.209e+05
35	95	1.207e+05	81.60	-0.05	-3248.73	0.0	-12.02	4583.89	1.30	-5079.07	-90.92	-2.932e+05
		-2.932e+05	-90.92	1.12e-03	0.0	132.5	-12.02	1335.16	1.30	-5079.07	81.60	1.207e+05
35	97	1.152e+05	85.33	-0.05	-2988.95	0.0	-8.60	4291.42	1.36	-3503.60	-95.52	-2.769e+05
		-2.769e+05	-95.52	1.05e-03	0.0	132.5	-8.60	1302.46	1.36	-3503.60	85.33	1.152e+05
35	101	1.033e+05	69.81	-0.04	-2729.18	0.0	3.30	3887.80	1.13	-3657.93	-79.87	-2.500e+05
		-2.500e+05	-79.87	1.05e-03	0.0	132.5	3.30	1158.62	1.13	-3657.93	69.81	1.033e+05
35	102	1.069e+05	72.78	-0.04	-2833.09	0.0	-5.15	4025.27	1.17	-3961.09	-82.77	-2.583e+05
		-2.583e+05	-82.77	1.02e-03	0.0	132.5	-5.15	1192.18	1.17	-3961.09	72.78	1.069e+05
35	104	1.069e+05	72.44	-0.04	-2833.09	0.0	-2.16	4026.24	1.17	-3950.57	-82.39	-2.585e+05
		-2.585e+05	-82.39	1.05e-03	0.0	132.5	-2.16	1193.15	1.17	-3950.57	72.44	1.069e+05
35	105	1.034e+05	70.37	-0.04	-2729.18	0.0	-1.69	3886.18	1.14	-3675.46	-80.51	-2.497e+05
		-2.497e+05	-80.51	1.01e-03	0.0	132.5	-1.69	1157.00	1.14	-3675.46	70.37	1.034e+05
35	106	1.034e+05	70.04	-0.04	-2729.18	0.0	1.30	3887.15	1.13	-3664.94	-80.13	-2.499e+05
		-2.499e+05	-80.13	1.04e-03	0.0	132.5	1.30	1157.97	1.13	-3664.94	70.04	1.034e+05
37	7	3.317e+04	-1.85	0.04	-1989.43	0.0	-140.97	-2169.40	-0.63	6367.29	-1.85	3.317e+04
		-2.981e+05	-64.79	1.09e-03	0.0	99.5	-140.97	-4158.83	-0.63	6367.29	-64.79	-2.981e+05
37	9	5.204e+04	12.99	0.06	-3309.54	0.0	-247.09	-3506.58	-1.15	1.041e+04	12.99	5.204e+04
		-4.884e+05	-101.85	1.38e-03	0.0	99.5	-247.09	-6816.12	-1.15	1.041e+04	-101.85	-4.884e+05
37	11	5.274e+04	5.38	0.06	-3309.54	0.0	-244.35	-3501.95	-1.07	1.062e+04	5.38	5.274e+04
		-4.871e+05	-101.55	1.47e-03	0.0	99.5	-244.35	-6811.49	-1.07	1.062e+04	-101.55	-4.871e+05
37	16	4.946e+04	19.31	0.06	-3016.92	0.0	-226.09	-3345.65	-1.27	8643.70	19.31	4.946e+04
		-4.593e+05	-107.05	1.37e-03	0.0	99.5	-226.09	-6362.57	-1.27	8643.70	-107.05	-4.593e+05
37	31	-8.656e+04	605.85	0.02	-2049.45	0.0	-1299.32	-3119.00	-9.23	2435.76	605.85	-8.656e+04
		-5.266e+05	-249.66	3.84e-03	0.0	99.5	-1299.32	-5168.45	-9.23	2435.76	-249.66	-5.266e+05
37	33	1.665e+05	345.56	0.05	-2049.45	0.0	19.73	-1473.02	-0.73	1.420e+04	345.56	1.665e+05
		-1.150e+05	93.72	-1.40e-03	0.0	99.5	19.73	-3522.47	-0.73	1.420e+04	93.72	-1.150e+05
37	39	1.804e+04	1292.39	0.03	-2049.45	0.0	-2046.69	-2688.04	-16.82	1.096e+04	1292.39	1.804e+04
		-4.123e+05	224.27	1.54e-04	0.0	99.5	-2046.69	-4737.49	-16.82	1.096e+04	224.27	-4.123e+05
37	42	4.780e+04	-377.77	0.05	-2049.45	0.0	1745.06	-1768.64	15.00	638.77	-1264.57	4.780e+04

		-2.038e+05	-1264.57	1.86e-03	0.0	99.5	1745.06	-3818.09	15.00	638.77	-377.77	-2.038e+05
37	47	1.604e+04	1616.08	0.03	-2049.45	0.0	-2031.12	-2261.38	-16.48	9473.38	1616.08	1.604e+04
		-3.318e+05	7.19	4.84e-03	0.0	99.5	-2031.12	-4310.83	-16.48	9473.38	7.19	-3.318e+05
37	50	4.980e+04	-160.69	0.04	-2049.45	0.0	1729.49	-2195.30	14.66	2123.84	-1588.26	4.980e+04
		-2.843e+05	-1588.26	-2.83e-03	0.0	99.5	1729.49	-4244.75	14.66	2123.84	-160.69	-2.843e+05
37	65	1.070e+05	160.92	0.05	-2049.45	0.0	-55.69	-1815.06	-0.69	1.090e+04	51.27	1.070e+05
		-2.010e+05	51.27	1.13e-04	0.0	99.5	-55.69	-3864.51	-0.69	1.090e+04	160.92	-2.010e+05
37	68	-4.011e+04	-92.11	0.03	-2049.45	0.0	-244.83	-2714.07	-0.83	2044.17	-92.11	-4.011e+04
		-4.274e+05	-257.68	1.14e-03	0.0	99.5	-244.83	-4763.52	-0.83	2044.17	-257.68	-4.274e+05
37	71	2.647e+04	699.48	0.03	-2049.45	0.0	-1184.02	-2469.97	-9.41	9640.78	699.48	2.647e+04
		-3.622e+05	95.28	2.05e-03	0.0	99.5	-1184.02	-4519.43	-9.41	9640.78	95.28	-3.622e+05
37	74	4.009e+04	-228.31	0.04	-2049.45	0.0	886.58	-1991.05	7.94	3061.74	-686.99	4.009e+04
		-2.530e+05	-686.99	-2.40e-05	0.0	99.5	886.58	-4040.50	7.94	3061.74	-228.31	-2.530e+05
37	79	2.537e+04	877.27	0.03	-2049.45	0.0	-1173.73	-2242.96	-9.21	8825.41	877.27	2.537e+04
		-3.184e+05	-25.66	4.63e-03	0.0	99.5	-1173.73	-4292.41	-9.21	8825.41	-25.66	-3.184e+05
37	82	4.119e+04	-107.38	0.04	-2049.45	0.0	876.29	-2218.07	7.75	3877.11	-864.77	4.119e+04
		-2.969e+05	-864.77	-2.61e-03	0.0	99.5	876.29	-4267.52	7.75	3877.11	-107.38	-2.969e+05
37	87	3.308e+04	8.42	0.04	-2049.45	0.0	-149.50	-2231.84	-0.75	6289.84	8.42	3.308e+04
		-3.080e+05	-66.60	9.91e-04	0.0	99.5	-149.50	-4281.29	-0.75	6289.84	-66.60	-3.080e+05
37	88	3.328e+04	6.25	0.04	-2049.45	0.0	-148.72	-2230.51	-0.73	6351.26	6.25	3.328e+04
		-3.076e+05	-66.52	1.01e-03	0.0	99.5	-148.72	-4279.96	-0.73	6351.26	-66.52	-3.076e+05
37	91	3.375e+04	1.18	0.04	-2049.45	0.0	-146.89	-2227.43	-0.68	6494.57	1.18	3.375e+04
		-3.068e+05	-66.32	1.07e-03	0.0	99.5	-146.89	-4276.88	-0.68	6494.57	-66.32	-3.068e+05
37	93	3.849e+04	10.18	0.04	-2439.60	0.0	-181.58	-2598.09	-0.86	7622.83	10.18	3.849e+04
		-3.613e+05	-75.85	1.04e-03	0.0	99.5	-181.58	-5037.69	-0.86	7622.83	-75.85	-3.613e+05
37	95	3.896e+04	5.11	0.04	-2439.60	0.0	-179.75	-2595.00	-0.81	7766.14	5.11	3.896e+04
		-3.604e+05	-75.65	1.10e-03	0.0	99.5	-179.75	-5034.60	-0.81	7766.14	-75.65	-3.604e+05
37	97	3.677e+04	14.39	0.04	-2244.53	0.0	-167.58	-2490.80	-0.94	6448.02	14.39	3.677e+04
		-3.419e+05	-79.32	1.03e-03	0.0	99.5	-167.58	-4735.33	-0.94	6448.02	-79.32	-3.419e+05
37	101	3.341e+04	4.80	0.04	-2049.45	0.0	-148.20	-2229.63	-0.72	6392.20	4.80	3.341e+04
		-3.074e+05	-66.46	1.03e-03	0.0	99.5	-148.20	-4279.08	-0.72	6392.20	-66.46	-3.074e+05
37	102	3.416e+04	8.77	0.04	-2127.48	0.0	-155.91	-2305.09	-0.78	6556.44	8.77	3.416e+04
		-3.187e+05	-68.45	1.00e-03	0.0	99.5	-155.91	-4432.57	-0.78	6556.44	-68.45	-3.187e+05
37	104	3.436e+04	6.60	0.04	-2127.48	0.0	-155.13	-2303.76	-0.75	6617.86	6.60	3.436e+04
		-3.183e+05	-68.37	1.02e-03	0.0	99.5	-155.13	-4431.25	-0.75	6617.86	-68.37	-3.183e+05
37	105	3.308e+04	8.42	0.04	-2049.45	0.0	-149.50	-2231.84	-0.75	6289.84	8.42	3.308e+04
		-3.080e+05	-66.60	9.91e-04	0.0	99.5	-149.50	-4281.29	-0.75	6289.84	-66.60	-3.080e+05
37	106	3.328e+04	6.25	0.04	-2049.45	0.0	-148.72	-2230.51	-0.73	6351.26	6.25	3.328e+04
		-3.076e+05	-66.52	1.01e-03	0.0	99.5	-148.72	-4279.96	-0.73	6351.26	-66.52	-3.076e+05
38	5	3.188e+04	-42.02	-7.15e-04	-1999.43	0.0	58.09	891.80	-0.07	976.33	-42.02	3.188e+04
		1056.25	-48.53	9.83e-04	0.0	100.0	58.09	-1107.63	-0.07	976.33	-48.53	1056.25
38	11	5.239e+04	-79.68	1.21e-03	-3326.17	0.0	75.16	1496.52	-0.04	1427.81	-79.68	5.239e+04
		1837.59	-83.39	1.48e-03	0.0	100.0	75.16	-1829.64	-0.04	1427.81	-83.39	1837.59
38	14	4.074e+04	-62.26	9.39e-04	-2587.59	0.0	57.80	1164.54	-0.03	1104.05	-62.26	4.074e+04
		1424.79	-64.83	1.15e-03	0.0	100.0	57.80	-1423.05	-0.03	1104.05	-64.83	1424.79
38	15	4.426e+04	-49.42	1.04e-03	-2738.00	0.0	81.55	1216.31	-0.07	1387.83	-49.42	4.426e+04
		1770.69	-56.12	1.34e-03	0.0	100.0	81.55	-1521.69	-0.07	1387.83	-56.12	1770.69
38	19	3.260e+04	-31.99	7.69e-04	-1999.43	0.0	64.20	884.33	-0.06	1064.07	-31.99	3.260e+04
		1357.89	-37.56	1.01e-03	0.0	100.0	64.20	-1115.10	-0.06	1064.07	-37.56	1357.89
38	31	4.707e+04	197.57	0.01	-2059.75	0.0	1376.04	-80.41	-3.29	1.027e+04	197.57	4.707e+04
		-6.460e+04	-51.50	3.67e-03	0.0	100.0	1376.04	-2140.16	-3.29	1.027e+04	-51.50	-6.460e+04
38	34	6.740e+04	-45.76	-9.21e-03	-2059.75	0.0	-1255.60	1922.14	3.13	-8349.55	-278.83	-2.235e+04
		-2.235e+04	-278.83	-1.58e-03	0.0	100.0	-1255.60	-137.61	3.13	-8349.55	-45.76	-2.235e+04
38	39	3.171e+04	626.26	5.43e-03	-2059.75	0.0	2661.76	503.04	-4.38	-1169.96	473.46	2.589e+04
		-2.808e+04	473.46	-7.30e-04	0.0	100.0	2661.76	-1556.71	-4.38	-1169.96	626.26	-2.808e+04
38	42	4.262e+04	-542.15	-4.04e-03	-2059.75	0.0	-2545.37	1337.01	4.29	2954.25	-542.15	-1093.76
		-1093.76	-702.83	2.76e-03	0.0	100.0	-2545.37	-722.74	4.29	2954.25	-702.83	-1093.76
38	48	3.170e+04	-713.02	7.42e-04	-2059.75	0.0	2254.56	715.23	-2.95	5339.88	-713.02	3.170e+04
		-1.149e+04	-1058.14	-6.61e-03	0.0	100.0	2254.56	-1344.52	-2.95	5339.88	-1058.14	-1.149e+04
38	49	3.556e+04	980.57	-7.83e-04	-2059.75	0.0	-2138.17	1124.82	2.86	-3555.59	644.34	5798.41
		5798.41	644.34	8.64e-03	0.0	100.0	-2138.17	-934.93	2.86	-3555.59	980.57	5798.41
38	63	3.454e+04	87.16	6.19e-03	-2059.75	0.0	782.30	373.86	-1.86	6165.36	87.16	3.454e+04
		-3.477e+04	-55.51	2.94e-03	0.0	100.0	782.30	-1685.89	-1.86	6165.36	-55.51	-3.477e+04
38	66	4.564e+04	-48.41	-4.76e-03	-2059.75	0.0	-666.25	1467.88	1.71	-4170.45	-176.28	-6512.20
		-6512.20	-176.28	-8.88e-04	0.0	100.0	-666.25	-591.87	1.71	-4170.45	-48.41	-6512.20
38	71	3.089e+04	307.99	3.34e-03	-2059.75	0.0	1490.14	701.82	-2.52	41.20	235.95	1.920e+04
		-1.420e+04	235.95	1.58e-03	0.0	100.0	1490.14	-1357.93	-2.52	41.20	307.99	-1.420e+04
38	74	3.709e+04	-325.07	-2.29e-03	-2059.75	0.0	-1374.10	1139.93	2.37	1953.70	-325.07	5513.59
		5513.59	-411.91	4.66e-04	0.0	100.0	-1374.10	-919.82	2.37	1953.70	-411.91	5513.59
38	80	3.210e+04	-419.08	7.10e-04	-2059.75	0.0	1255.16	798.31	-1.58	3257.69	-419.08	3.210e+04
		-6352.01	-606.43	-4.68e-03	0.0	100.0	1255.16	-1261.44	-1.58	3257.69	-606.43	-6352.01
38	81	3.420e+04	502.51	7.51e-04	-2059.75	0.0	-1139.12	1043.44	1.43	-1262.79	329.96	8162.15
		8162.15	329.96	6.73e-03	0.0	100.0	-1139.12	-1016.31	1.43	-1262.79	502.51	8162.15
38	87	3.279e+04	-44.11	-7.29e-04	-2059.75	0.0	58.06	919.82	-0.06	989.75	-44.11	3.279e+04
		1097.96	-50.27	1.00e-03	0.0	100.0	58.06	-1139.93	-0.06	989.75	-50.27	1097.96
38	88	3.282e+04	-44.56	7.30e-04	-2059.75	0.0	58.02	920.87	-0.07	997.45	-44.56	3.282e+04
		1193.25	-51.96	1.02e-03	0.0	100.0	58.02	-1138.88	-0.07	997.45	-51.96	1193.25
38	89	3.279e+04	-44.11	-7.29e-04	-2059.75	0.0	58.06	919.82	-0.06	989.75	-44.11	3.279e+04
		1097.96	-50.27	1.00e-03	0.0	100.0	58.06	-1139.93	-0.06	989.75	-50.27	1097.96
38	95	3.870e+04	-57.61	8.72e-04	-2451.86	0.0	57.87	1101.65	-0.04	1074.90	-57.61	3.870e+04

		1343.65	-61.14	1.11e-03	0.0	100.0	57.87	-1350.22	-0.04	1074.90	-61.14	1343.65
38	96	3.327e+04	-37.43	7.59e-04	-2059.75	0.0	62.13	914.83	-0.06	1048.24	-37.43	1.308e+04
		1299.05	-42.96	1.02e-03	0.0	100.0	62.13	-1144.92	-0.06	1048.24	-42.96	1299.05
38	100	3.279e+04	-44.11	-7.29e-04	-2059.75	0.0	58.06	919.82	-0.06	989.75	-44.11	1.238e+04
		1097.96	-50.27	1.00e-03	0.0	100.0	58.06	-1139.93	-0.06	989.75	-50.27	1097.96
38	101	3.284e+04	-44.86	7.70e-04	-2059.75	0.0	58.00	921.58	-0.08	1002.59	-44.86	1.234e+04
		1256.77	-53.09	1.04e-03	0.0	100.0	58.00	-1138.17	-0.08	1002.59	-53.09	1256.77
38	104	3.399e+04	-47.05	7.43e-04	-2138.17	0.0	58.00	956.75	-0.06	1010.89	-47.05	1.271e+04
		1197.92	-53.35	1.04e-03	0.0	100.0	58.00	-1181.43	-0.06	1010.89	-53.35	1197.92
38	105	3.279e+04	-44.11	-7.29e-04	-2059.75	0.0	58.06	919.82	-0.06	989.75	-44.11	1.238e+04
		1097.96	-50.27	1.00e-03	0.0	100.0	58.06	-1139.93	-0.06	989.75	-50.27	1097.96
38	106	3.282e+04	-44.56	7.30e-04	-2059.75	0.0	58.02	920.87	-0.07	997.45	-44.56	1.236e+04
		1193.25	-51.96	1.02e-03	0.0	100.0	58.02	-1138.88	-0.07	997.45	-51.96	1193.25
39	7	-468.55	-54.29	1.69e-03	-1839.47	0.0	59.13	-755.08	0.03	3920.62	-56.97	-468.55
		-1.630e+05	-56.97	1.01e-03	0.0	92.0	59.13	-2594.55	0.03	3920.62	-54.29	-1.630e+05
39	9	-1686.54	-77.44	2.38e-03	-3060.08	0.0	74.85	-1203.75	-0.04	7088.63	-77.44	-1686.54
		-2.667e+05	-81.27	1.30e-03	0.0	92.0	74.85	-4263.82	-0.04	7088.63	-81.27	-2.667e+05
39	12	-1389.09	-58.88	1.82e-03	-2380.59	0.0	57.44	-935.33	-0.05	5527.21	-58.88	-1389.09
		-2.075e+05	-63.42	9.85e-04	0.0	92.0	57.44	-3315.91	-0.05	5527.21	-63.42	-2.075e+05
39	16	-1396.93	-61.28	2.33e-03	-2789.52	0.0	81.26	-1176.85	-0.46	5431.94	-61.28	-1396.93
		-2.512e+05	-103.48	1.28e-03	0.0	92.0	81.26	-3966.36	-0.46	5431.94	-103.48	-2.512e+05
39	17	-836.14	-62.02	2.31e-03	-2518.96	0.0	82.22	-1085.68	-0.39	4639.05	-62.02	-836.14
		-2.288e+05	-97.94	1.31e-03	0.0	92.0	82.22	-3604.64	-0.39	4639.05	-97.94	-2.288e+05
39	19	-890.53	-37.54	1.59e-03	-1839.47	0.0	64.40	-820.91	-0.50	3041.22	-37.54	-890.53
		-1.702e+05	-83.51	9.30e-04	0.0	92.0	64.40	-2660.38	-0.50	3041.22	-83.51	-1.702e+05
39	31	-1.404e+05	-51.15	-9.10e-03	-1894.97	0.0	1386.88	-2539.46	-0.06	-4441.47	-51.48	-1.404e+05
		-4.699e+05	-51.48	3.29e-03	0.0	92.0	1386.88	-4434.43	-0.06	-4441.47	-51.15	-4.699e+05
39	34	1.578e+05	-45.74	9.29e-03	-1894.97	0.0	-1265.14	986.05	-0.32	1.247e+04	-45.74	1.386e+05
		1.334e+05	-80.40	-1.36e-03	0.0	92.0	-1265.14	-908.92	-0.32	1.247e+04	-80.40	1.334e+05
39	39	-6.772e+04	626.35	3.24e-03	-1894.97	0.0	2874.47	-1532.80	-2.67	-6064.86	626.35	-6.772e+04
		-3.047e+05	405.21	-1.09e-03	0.0	92.0	2874.47	-3427.77	-2.67	-6064.86	405.21	-3.047e+05
39	42	6.568e+04	-564.32	1.49e-03	-1894.97	0.0	-2757.23	-22.03	1.78	1.393e+04	-703.88	6.568e+04
		-3.221e+04	-703.88	2.97e-03	0.0	92.0	-2757.23	-1917.00	1.78	1.393e+04	-564.32	-3.221e+04
39	48	-2.685e+04	-680.01	-4.41e-03	-1894.97	0.0	2224.40	-1119.96	4.22	4498.80	-1058.19	-2.685e+04
		-2.257e+05	-1058.19	-6.51e-03	0.0	92.0	2224.40	-3014.93	4.22	4498.80	-680.01	-2.257e+05
39	49	2.481e+04	980.66	4.59e-03	-1894.97	0.0	-2107.17	-434.86	-5.10	3366.78	980.66	2.481e+04
		-1.113e+05	520.89	8.39e-03	0.0	92.0	-2107.17	-2329.83	-5.10	3366.78	520.89	-1.113e+05
39	63	-7.735e+04	-52.50	-4.98e-03	-1894.97	0.0	789.31	-1742.73	4.55e-04	-528.85	-55.48	-7.735e+04
		-3.335e+05	-55.48	2.66e-03	0.0	92.0	789.31	-3637.70	4.55e-04	-528.85	-52.50	-3.335e+05
39	66	7.580e+04	-48.40	5.20e-03	-1894.97	0.0	-672.12	189.16	-0.14	8635.40	-48.40	7.560e+04
		-2909.98	-64.00	-7.68e-04	0.0	92.0	-672.12	-1705.81	-0.14	8635.40	-64.00	-2909.98
39	71	-3.683e+04	308.08	2.51e-03	-1894.97	0.0	1611.09	-1181.49	-1.29	-1230.45	308.08	-3.683e+04
		-2.413e+05	202.24	1.22e-03	0.0	92.0	1611.09	-3076.46	-1.29	-1230.45	202.24	-2.413e+05
39	74	3.508e+04	-318.74	9.01e-04	-1894.97	0.0	-1493.90	-372.08	1.15	9337.00	-411.96	3.508e+04
		-9.514e+04	-411.96	6.65e-04	0.0	92.0	-1493.90	-2267.05	1.15	9337.00	-318.74	-9.514e+04
39	80	-1.579e+04	-381.75	-2.52e-03	-1894.97	0.0	1231.53	-975.87	2.49	4143.69	-606.48	-1.579e+04
		-2.015e+05	-606.48	-4.54e-03	0.0	92.0	1231.53	-2870.84	2.49	4143.69	-381.75	-2.015e+05
39	81	1.405e+04	502.60	3.00e-03	-1894.97	0.0	-1114.35	-577.70	-2.63	3962.86	502.60	1.405e+04
		-1.349e+05	265.25	6.43e-03	0.0	92.0	-1114.35	-2472.67	-2.63	3962.86	265.25	-1.349e+05
39	87	-973.83	-50.25	1.53e-03	-1894.97	0.0	58.47	-777.83	-0.10	4042.87	-50.25	-973.83
		-1.684e+05	-59.23	9.24e-04	0.0	92.0	58.47	-2672.80	-0.10	4042.87	-59.23	-1.684e+05
39	88	-873.30	-51.94	1.57e-03	-1894.97	0.0	58.59	-776.78	-0.07	4053.27	-51.94	-873.30
		-1.682e+05	-58.25	9.45e-04	0.0	92.0	58.59	-2671.75	-0.07	4053.27	-58.25	-1.682e+05
39	91	-638.74	-55.89	1.67e-03	-1894.97	0.0	58.86	-774.35	-9.14e-04	4077.56	-55.89	-638.74
		-1.677e+05	-55.96	9.94e-04	0.0	92.0	58.86	-2669.32	-9.14e-04	4077.56	-55.96	-1.677e+05
39	93	-1252.43	-57.16	1.76e-03	-2255.71	0.0	57.74	-894.52	-0.05	5148.62	-57.16	-1252.43
		-1.974e+05	-62.05	9.76e-04	0.0	92.0	57.74	-3150.23	-0.05	5148.62	-62.05	-1.974e+05
39	96	-920.06	-42.94	1.61e-03	-1894.97	0.0	62.38	-818.24	-0.35	3491.29	-42.94	-920.06
		-1.725e+05	-75.45	9.39e-04	0.0	92.0	62.38	-2713.21	-0.35	3491.29	-75.45	-1.725e+05
39	97	-1059.36	-46.39	1.72e-03	-2075.34	0.0	62.02	-876.58	-0.33	4044.16	-46.39	-1059.36
		-1.870e+05	-76.86	9.65e-04	0.0	92.0	62.02	-2951.93	-0.33	4044.16	-76.86	-1.870e+05
39	98	-685.50	-46.89	1.71e-03	-1894.97	0.0	62.65	-815.81	-0.29	3515.57	-46.89	-685.50
		-1.721e+05	-73.16	9.88e-04	0.0	92.0	62.65	-2710.78	-0.29	3515.57	-73.16	-1.721e+05
39	100	-973.83	-50.25	1.53e-03	-1894.97	0.0	58.47	-777.83	-0.10	4042.87	-50.25	-973.83
		-1.684e+05	-59.23	9.24e-04	0.0	92.0	58.47	-2672.80	-0.10	4042.87	-59.23	-1.684e+05
39	101	-806.29	-53.07	1.60e-03	-1894.97	0.0	58.67	-776.09	-0.05	4060.21	-53.07	-806.29
		-1.681e+05	-57.60	9.59e-04	0.0	92.0	58.67	-2671.06	-0.05	4060.21	-57.60	-1.681e+05
39	102	-1029.55	-51.63	1.58e-03	-1967.12	0.0	58.33	-801.17	-0.09	4264.02	-51.63	-1029.55
		-1.742e+05	-59.80	9.34e-04	0.0	92.0	58.33	-2768.28	-0.09	4264.02	-59.80	-1.742e+05
39	105	-973.83	-50.25	1.53e-03	-1894.97	0.0	58.47	-777.83	-0.10	4042.87	-50.25	-973.83
		-1.684e+05	-59.23	9.24e-04	0.0	92.0	58.47	-2672.80	-0.10	4042.87	-59.23	-1.684e+05
39	106	-873.30	-51.94	1.57e-03	-1894.97	0.0	58.59	-776.78	-0.07	4053.27	-51.94	-873.30
		-1.682e+05	-58.25	9.45e-04	0.0	92.0	58.59	-2671.75	-0.07	4053.27	-58.25	-1.682e+05
40	7	7.140e+04	3.98	-0.04	-2359.32	0.0	-59.48	3950.67	-0.20	-3882.68	3.98	7.140e+04
		-2.740e+05	-19.39	1.29e-03	0.0	118.0	-59.48	1591.34	-0.20	-3882.68	-19.39	7.140e+04
40	9	1.153e+05	-24.78	-0.06	-3924.88	0.0	-121.85	6478.13	-0.05	-7497.24	-24.78	1.153e+05
		-4.469e+05	-30.62	1.65e-03	0.0	118.0	-121.85	2553.26	-0.05	-7497.24	-30.62	1.153e+05
40	11	1.155e+05	-19.52	-0.06	-3924.88	0.0	-120.65	6477.05	-0.13	-7558.11	-19.52	1.155e+05
		-4.465e+05	-34.99	1.75e-03	0.0	118.0	-120.65	2552.17	-0.13	-7558.11	-34.99	1.155e+05
40	31	2.061e+05	537.55	-0.06	-2430.51	0.0	2047.01	3395.93	-7.44	-9791.00	476.18	-7.424e+04

		-7.424e+04	476.18	4.00e-03	0.0	118.0	2047.01	965.43	-7.44	-9791.00	537.55	2.061e+05
40	34	-6.001e+04	-483.90	-0.02	-2430.51	0.0	-2170.93	4729.38	7.31	1829.71	-483.90	-4.895e+05
		-4.895e+05	-560.97	-1.55e-03	0.0	118.0	-2170.93	2298.87	7.31	1829.71	-560.97	-6.001e+04
40	39	1.375e+05	1191.70	-0.05	-2430.51	0.0	3341.27	3741.31	-14.05	-1.317e+04	558.29	-1.866e+05
		-1.866e+05	558.29	-2.15e-03	0.0	118.0	3341.27	1310.81	-14.05	-1.317e+04	1191.70	1.375e+05
40	42	8516.66	-585.89	-0.03	-2430.51	0.0	-3472.17	4382.35	14.23	5434.58	-585.89	-3.772e+05
		-3.772e+05	-1198.12	4.53e-03	0.0	118.0	-3472.17	1951.84	14.23	5434.58	-1198.12	8516.66
40	63	1.464e+05	286.19	-0.05	-2430.51	0.0	1097.90	3700.04	-4.20	-7253.90	267.29	-1.677e+05
		-1.677e+05	267.29	3.28e-03	0.0	118.0	1097.90	1269.54	-4.20	-7253.90	286.19	1.464e+05
40	66	-206.84	-273.71	-0.03	-2430.51	0.0	-1226.39	4426.02	3.98	-808.94	-273.71	-3.960e+05
		-3.960e+05	-318.05	-8.77e-04	0.0	118.0	-1226.39	1995.52	3.98	-808.94	-318.05	-206.84
40	71	1.089e+05	641.77	-0.04	-2430.51	0.0	1814.29	3891.11	-8.00	-9268.19	328.91	-2.293e+05
		-2.293e+05	328.91	1.16e-03	0.0	118.0	1814.29	1460.61	-8.00	-9268.19	641.77	1.089e+05
40	74	3.729e+04	-335.34	-0.04	-2430.51	0.0	-1942.78	4234.95	7.78	1205.34	-335.34	-3.744e+05
		-3.744e+05	-673.63	1.25e-03	0.0	118.0	-1942.78	1804.45	7.78	1205.34	-673.63	3.729e+04
40	87	7.301e+04	-4.71	-0.04	-2430.51	0.0	-64.59	4063.34	-0.08	-4014.03	-4.71	-2.820e+05
		-2.820e+05	-14.68	1.18e-03	0.0	118.0	-64.59	1632.84	-0.08	-4014.03	-14.68	7.301e+04
40	88	7.308e+04	-3.21	-0.04	-2430.51	0.0	-64.25	4063.03	-0.11	-4031.42	-3.21	-2.818e+05
		-2.818e+05	-15.93	1.20e-03	0.0	118.0	-64.25	1632.53	-0.11	-4031.42	-15.93	7.308e+04
40	91	7.322e+04	0.29	-0.04	-2430.51	0.0	-63.45	4062.31	-0.16	-4072.00	0.29	-2.816e+05
		-2.816e+05	-18.84	1.27e-03	0.0	118.0	-63.45	1631.80	-0.16	-4072.00	-18.84	7.322e+04
40	93	8.531e+04	-16.35	-0.05	-2893.20	0.0	-87.58	4786.45	-0.04	-5387.83	-16.35	-3.306e+05
		-3.306e+05	-21.36	1.24e-03	0.0	118.0	-87.58	1893.26	-0.04	-5387.83	-21.36	8.531e+04
40	95	8.545e+04	-12.85	-0.05	-2893.20	0.0	-86.78	4785.73	-0.10	-5428.40	-12.85	-3.303e+05
		-3.303e+05	-24.27	1.31e-03	0.0	118.0	-86.78	1892.53	-0.10	-5428.40	-24.27	8.545e+04
40	101	7.312e+04	-2.21	-0.04	-2430.51	0.0	-64.02	4062.82	-0.12	-4043.02	-2.21	-2.818e+05
		-2.818e+05	-16.76	1.22e-03	0.0	118.0	-64.02	1632.32	-0.12	-4043.02	-16.76	7.312e+04
40	102	7.547e+04	-7.04	-0.04	-2523.04	0.0	-69.18	4207.96	-0.08	-4288.79	-7.04	-2.917e+05
		-2.917e+05	-16.02	1.19e-03	0.0	118.0	-69.18	1684.92	-0.08	-4288.79	-16.02	7.547e+04
40	104	7.554e+04	-5.54	-0.04	-2523.04	0.0	-68.84	4207.65	-0.10	-4306.18	-5.54	-2.916e+05
		-2.916e+05	-17.26	1.22e-03	0.0	118.0	-68.84	1684.61	-0.10	-4306.18	-17.26	7.554e+04
40	105	7.301e+04	-4.71	-0.04	-2430.51	0.0	-64.59	4063.34	-0.08	-4014.03	-4.71	-2.820e+05
		-2.820e+05	-14.68	1.18e-03	0.0	118.0	-64.59	1632.84	-0.08	-4014.03	-14.68	7.301e+04
40	106	7.308e+04	-3.21	-0.04	-2430.51	0.0	-64.25	4063.03	-0.11	-4031.42	-3.21	-2.818e+05
		-2.818e+05	-15.93	1.20e-03	0.0	118.0	-64.25	1632.53	-0.11	-4031.42	-15.93	7.308e+04
41	7	1.752e+05	7614.64	0.08	-2453.33	0.0	-184.95	-1282.26	63.68	-5068.93	-198.47	1.752e+05
		-1.529e+05	-198.47	7.03e-04	0.0	122.7	-184.95	-3735.60	63.68	-5068.93	7614.64	-1.529e+05
41	9	2.831e+05	1.265e+04	0.14	-4081.28	0.0	-310.79	-2080.50	105.15	-1.122e+04	-256.36	2.831e+05
		-2.539e+05	-256.36	8.14e-04	0.0	122.7	-310.79	-6161.78	105.15	-1.122e+04	1.265e+04	-2.539e+05
41	11	2.834e+05	1.262e+04	0.14	-4081.28	0.0	-310.05	-2078.23	104.93	-1.120e+04	-258.23	2.834e+05
		-2.533e+05	-258.23	8.86e-04	0.0	122.7	-310.05	-6159.50	104.93	-1.120e+04	1.262e+04	-2.533e+05
41	18	2.671e+05	1.176e+04	0.13	-3720.43	0.0	-286.52	-1989.71	98.30	-6901.59	-300.32	2.671e+05
		-2.371e+05	-300.32	8.78e-04	0.0	122.7	-286.52	-5710.14	98.30	-6901.59	1.176e+04	-2.371e+05
41	32	6.603e+04	1.513e+04	0.05	-2527.35	0.0	-451.63	-1693.52	141.60	-4604.03	-2255.63	6.603e+04
		-3.150e+05	-2255.63	0.01	0.0	122.7	-451.63	-4220.87	141.60	-4604.03	1.513e+04	-3.150e+05
41	33	2.929e+05	1862.96	0.12	-2527.35	0.0	67.85	-944.75	-10.00	-6324.81	1862.96	2.929e+05
		-1428.08	628.02	-9.72e-03	0.0	122.7	67.85	-3472.10	-10.00	-6324.81	628.02	-1428.08
41	40	6.892e+04	1.588e+04	0.09	-2527.35	0.0	-839.27	-1533.22	155.28	-8579.37	-3180.03	6.892e+04
		-2.872e+05	-3180.03	0.02	0.0	122.7	-839.27	-4060.58	155.28	-8579.37	1.588e+04	-2.872e+05
41	41	2.901e+05	2787.01	0.08	-2527.35	0.0	456.28	-1104.38	-23.78	-2361.19	2787.01	2.901e+05
		-2.904e+04	-139.66	-0.02	0.0	122.7	456.28	-3631.74	-23.78	-2361.19	-139.66	-2.904e+04
41	44	6.889e+04	1.595e+04	0.09	-2527.35	0.0	-825.84	-1537.65	155.76	-8646.48	-3170.58	6.889e+04
		-2.879e+05	-3170.58	0.02	0.0	122.7	-825.84	-4065.00	155.76	-8646.48	1.595e+04	-2.879e+05
41	64	1.173e+05	1.184e+04	0.07	-2527.35	0.0	-332.23	-1523.24	107.32	-5112.36	-1327.87	1.173e+05
		-2.440e+05	-1327.87	5.82e-03	0.0	122.7	-332.23	-4050.60	107.32	-5112.36	1.184e+04	-2.440e+05
41	65	2.418e+05	3893.92	0.10	-2527.35	0.0	-50.67	-1114.01	24.15	-5825.37	934.56	2.418e+05
		-7.210e+04	934.56	-4.56e-03	0.0	122.7	-50.67	-3641.36	24.15	-5825.37	3893.92	-7.210e+04
41	72	1.194e+05	1.222e+04	0.09	-2527.35	0.0	-540.67	-1431.52	114.50	-7577.05	-1833.14	1.194e+05
		-2.279e+05	-1833.14	8.84e-03	0.0	122.7	-540.67	-3958.87	114.50	-7577.05	1.222e+04	-2.279e+05
41	73	2.397e+05	3517.20	0.08	-2527.35	0.0	157.77	-1205.73	16.97	-3360.68	1439.83	2.397e+05
		-8.819e+04	1439.83	-7.58e-03	0.0	122.7	157.77	-3733.09	16.97	-3360.68	3517.20	-8.819e+04
41	76	1.194e+05	1.226e+04	0.09	-2527.35	0.0	-533.22	-1433.94	114.77	-7613.82	-1827.98	1.194e+05
		-2.283e+05	-1827.98	0.01	0.0	122.7	-533.22	-3961.30	114.77	-7613.82	1.226e+04	-2.283e+05
41	87	1.794e+05	7877.86	0.09	-2527.35	0.0	-191.66	-1319.27	65.80	-5473.97	-196.12	1.794e+05
		-1.582e+05	-196.12	6.09e-04	0.0	122.7	-191.66	-3846.63	65.80	-5473.97	7877.86	-1.582e+05
41	88	1.795e+05	7869.34	0.09	-2527.35	0.0	-191.45	-1318.62	65.74	-5468.87	-196.66	1.795e+05
		-1.581e+05	-196.66	6.30e-04	0.0	122.7	-191.45	-3845.98	65.74	-5468.87	7869.34	-1.581e+05
41	91	1.798e+05	7849.47	0.09	-2527.35	0.0	-190.96	-1317.11	65.58	-5456.97	-197.91	1.798e+05
		-1.577e+05	-197.91	6.78e-04	0.0	122.7	-190.96	-3844.46	65.58	-5456.97	7849.47	-1.577e+05
41	93	2.095e+05	9334.14	0.10	-3008.48	0.0	-228.98	-1540.40	77.68	-7954.21	-196.84	2.095e+05
		-1.874e+05	-196.84	6.18e-04	0.0	122.7	-228.98	-4548.88	77.68	-7954.21	9334.14	-1.874e+05
41	95	2.097e+05	9314.27	0.10	-3008.48	0.0	-228.48	-1538.88	77.52	-7942.31	-198.09	2.097e+05
		-1.870e+05	-198.09	6.66e-04	0.0	122.7	-228.48	-4547.36	77.52	-7942.31	9314.27	-1.870e+05
41	99	1.989e+05	8743.94	0.10	-2767.92	0.0	-212.80	-1479.87	73.10	-5077.90	-226.15	1.989e+05
		-1.763e+05	-226.15	6.60e-04	0.0	122.7	-212.80	-4247.79	73.10	-5077.90	8743.94	-1.763e+05
41	101	1.796e+05	7863.66	0.09	-2527.35	0.0	-191.31	-1318.19	65.69	-5465.47	-197.02	1.796e+05
		-1.579e+05	-197.02	6.44e-04	0.0	122.7	-191.31	-3845.54	65.69	-5465.47	7863.66	-1.579e+05
41	102	1.855e+05	8169.12	0.09	-2623.58	0.0	-199.13	-1363.50	68.18	-5970.01	-196.27	1.855e+05
		-1.641e+05	-196.27	6.11e-04	0.0	122.7	-199.13	-3987.08	68.18	-5970.01	8169.12	-1.641e+05
41	104	1.856e+05	8160.60	0.09	-2623.58	0.0	-198.91	-1362.85	68.11	-5964.91	-196.80	1.856e+05

		-1.639e+05	-196.80	6.32e-04	0.0	122.7	-198.91	-3986.43	68.11	-5964.91	8160.60	-1.639e+05
41	105	1.794e+05	7877.86	0.09	-2527.35	0.0	-191.66	-1319.27	65.80	-5473.97	-196.12	1.794e+05
		-1.582e+05	-196.12	6.09e-04	0.0	122.7	-191.66	-3846.63	65.80	-5473.97	7877.86	-1.582e+05
41	106	1.795e+05	7869.34	0.09	-2527.35	0.0	-191.45	-1318.62	65.74	-5468.87	-196.66	1.795e+05
		-1.581e+05	-196.66	6.30e-04	0.0	122.7	-191.45	-3845.98	65.74	-5468.87	7869.34	-1.581e+05
42	3	4.548e+04	7179.28	-2.30e-03	-5370.76	0.0	664.70	2887.36	72.57	-1.125e+04	3011.58	-3.777e+04
		-3.777e+04	3011.58	-3.77e-04	0.0	107.5	664.70	-2483.39	72.57	-1.125e+04	7179.28	-1.606e+04
42	4	4.427e+04	7291.10	-2.22e-03	-5370.76	0.0	764.98	2910.00	68.41	-1.164e+04	3787.48	-4.036e+04
		-4.036e+04	3787.48	-3.62e-04	0.0	107.5	764.98	-2460.76	68.41	-1.164e+04	7291.10	-1.621e+04
42	7	3.623e+04	5579.21	-1.85e-03	-4218.15	0.0	472.95	2257.19	58.53	-8643.92	1999.15	-2.853e+04
		-2.853e+04	1999.15	-3.01e-04	0.0	107.5	472.95	-1960.96	58.53	-8643.92	5579.21	-1.260e+04
42	9	3.410e+04	6312.79	-1.64e-03	-4398.02	0.0	887.31	2435.52	50.80	-1.051e+04	4965.24	-3.837e+04
		-3.837e+04	4965.24	-2.96e-04	0.0	107.5	887.31	-1962.49	50.80	-1.051e+04	6312.79	-1.295e+04
42	11	4.037e+04	7075.89	-1.99e-03	-5078.93	0.0	871.87	2783.50	60.21	-1.158e+04	4683.93	-4.157e+04
		-4.157e+04	4683.93	-3.33e-04	0.0	107.5	871.87	-2295.43	60.21	-1.158e+04	7075.89	-1.534e+04
42	21	3.364e+04	5335.49	-1.62e-03	-3926.33	0.0	487.26	2106.13	59.53	-8358.43	1981.28	-2.694e+04
		-2.694e+04	1981.28	-2.77e-04	0.0	107.5	487.26	-1820.19	59.53	-8358.43	5335.49	-1.157e+04
42	35	7.709e+04	4213.40	-6.89e-03	-3517.78	0.0	-1629.77	955.41	92.46	-5114.80	-3388.73	6.323e+04
		-2.314e+04	-3388.73	2.70e-03	0.0	107.5	-1629.77	-2562.36	92.46	-5114.80	4213.40	-2.314e+04
42	36	8.531e+04	2967.85	-5.72e-03	-3517.78	0.0	-1076.74	760.81	159.27	-1293.84	-1.071e+04	7.664e+04
		-3.076e+04	-1.071e+04	-6.38e-04	0.0	107.5	-1076.74	-2756.97	159.27	-1293.84	2967.85	-3.076e+04
42	37	1.390e+04	1.623e+04	4.12e-03	-3517.78	0.0	2101.49	3034.07	-97.20	-1.115e+04	1.623e+04	-1.268e+05
		-1.268e+05	5729.46	-2.37e-04	0.0	107.5	2101.49	-483.70	-97.20	-1.115e+04	5729.46	1.037e+04
42	38	9778.73	8900.88	6.04e-03	-3517.78	0.0	2654.52	2839.47	-30.38	-7328.56	8900.88	-1.134e+05
		-1.134e+05	4483.91	-3.18e-03	0.0	107.5	2654.52	-678.31	-30.38	-7328.56	4483.91	2752.54
42	48	5.091e+04	763.94	1.65e-03	-3517.78	0.0	894.28	1243.75	135.64	4280.27	-1.201e+04	2.745e+04
		-2.817e+04	-1.201e+04	-6.71e-03	0.0	107.5	894.28	-2274.02	135.64	4280.27	763.94	-2.817e+04
42	49	2.275e+04	1.896e+04	-1.97e-03	-3517.78	0.0	142.69	2517.65	-153.14	-1.018e+04	1.896e+04	-7.412e+04
		-7.412e+04	5702.76	5.89e-03	0.0	107.5	142.69	-1000.12	-153.14	-1.018e+04	5702.76	7688.86
42	64	5.520e+04	3821.70	-3.94e-03	-3517.78	0.0	-389.86	1285.89	77.91	-4807.12	-1109.49	2.998e+04
		-2.096e+04	-1109.49	-1.21e-04	0.0	107.5	-389.86	-2231.89	77.91	-4807.12	3821.70	-2.096e+04
42	67	5.200e+04	4775.38	-4.41e-03	-3517.78	0.0	-674.24	1387.53	80.06	-6694.69	-1063.81	2.266e+04
		-1.726e+04	-1063.81	1.58e-03	0.0	107.5	-674.24	-2130.25	80.06	-6694.69	4775.38	-1.726e+04
42	69	1.588e+04	9720.51	2.13e-03	-3517.78	0.0	1378.13	2530.07	-24.24	-1.001e+04	9720.51	-8.179e+04
		-8.179e+04	5581.60	-1.58e-04	0.0	107.5	1378.13	-987.71	-24.24	-1.001e+04	5581.60	1166.56
42	70	1.531e+04	5959.10	3.27e-03	-3517.78	0.0	1693.03	2420.30	15.93	-8555.93	5959.10	-7.419e+04
		-7.419e+04	4859.13	-2.05e-03	0.0	107.5	1693.03	-1097.48	15.93	-8555.93	4859.13	-3089.94
42	80	3.914e+04	3402.63	-1.44e-03	-3517.78	0.0	733.96	1549.17	133.10	-4733.35	-5620.61	2526.72
		-2.015e+04	-5620.61	-4.24e-03	0.0	107.5	733.96	-1968.61	133.10	-4733.35	3402.63	-2.015e+04
42	81	2.392e+04	1.052e+04	-1.75e-03	-3517.78	0.0	284.83	2258.66	-37.11	-1.052e+04	1.052e+04	-5.406e+04
		-5.406e+04	6231.88	3.77e-03	0.0	107.5	284.83	-1259.12	-37.11	-1.052e+04	6231.88	-205.69
42	87	2.775e+04	4599.23	-1.38e-03	-3323.23	0.0	513.81	1804.49	45.31	-7319.75	2528.02	-2.485e+04
		-2.485e+04	2528.02	-2.44e-04	0.0	107.5	513.81	-1518.74	45.31	-7319.75	4599.23	-9492.35
42	88	2.954e+04	4817.26	-1.48e-03	-3517.78	0.0	509.40	1903.91	48.00	-7625.31	2447.65	-2.577e+04
		-2.577e+04	2447.65	-2.56e-04	0.0	107.5	509.40	-1613.86	48.00	-7625.31	4817.26	-1.018e+04
42	91	3.371e+04	5325.99	-1.70e-03	-3971.72	0.0	499.10	2135.90	54.27	-8338.29	2260.11	-2.790e+04
		-2.790e+04	2260.11	-2.83e-04	0.0	107.5	499.10	-1835.82	54.27	-8338.29	5325.99	-1.177e+04
42	92	3.290e+04	5400.53	-1.65e-03	-3971.72	0.0	565.96	2150.99	51.50	-8602.91	2777.38	-2.962e+04
		-2.962e+04	2777.38	-2.73e-04	0.0	107.5	565.96	-1820.73	51.50	-8602.91	5400.53	-1.187e+04
42	93	2.612e+04	4748.33	-1.26e-03	-3323.23	0.0	647.51	1834.67	39.76	-7848.98	3562.55	-2.830e+04
		-2.830e+04	3562.55	-2.28e-04	0.0	107.5	647.51	-1488.56	39.76	-7848.98	4748.33	-9694.41
42	95	3.030e+04	5257.06	-1.49e-03	-3777.17	0.0	637.22	2066.66	46.03	-8561.96	3375.02	-3.043e+04
		-3.043e+04	3375.02	-2.53e-04	0.0	107.5	637.22	-1710.52	46.03	-8561.96	5257.06	-1.129e+04
42	98	3.199e+04	5163.50	-1.55e-03	-3777.17	0.0	508.65	2035.19	54.93	-8147.97	2248.20	-2.684e+04
		-2.684e+04	2248.20	-2.67e-04	0.0	107.5	508.65	-1741.98	54.93	-8147.97	5163.50	-1.108e+04
42	101	3.073e+04	4962.61	-1.54e-03	-3647.47	0.0	506.46	1970.20	49.79	-7829.02	2394.07	-2.638e+04
		-2.638e+04	2394.07	-2.64e-04	0.0	107.5	506.46	-1677.28	49.79	-7829.02	4962.61	-1.063e+04
42	102	2.742e+04	4629.05	-1.35e-03	-3323.23	0.0	540.55	1810.53	44.20	-7425.59	2734.93	-2.554e+04
		-2.554e+04	2734.93	-2.41e-04	0.0	107.5	540.55	-1512.70	44.20	-7425.59	4629.05	-9532.76
42	104	2.921e+04	4847.08	-1.45e-03	-3517.78	0.0	536.14	1909.95	46.89	-7731.16	2654.55	-2.646e+04
		-2.646e+04	2654.55	-2.52e-04	0.0	107.5	536.14	-1607.83	46.89	-7731.16	4847.08	-1.022e+04
42	105	2.775e+04	4599.23	-1.38e-03	-3323.23	0.0	513.81	1804.49	45.31	-7319.75	2528.02	-2.485e+04
		-2.485e+04	2528.02	-2.44e-04	0.0	107.5	513.81	-1518.74	45.31	-7319.75	4599.23	-9492.35
42	106	2.954e+04	4817.26	-1.48e-03	-3517.78	0.0	509.40	1903.91	48.00	-7625.31	2447.65	-2.577e+04
		-2.577e+04	2447.65	-2.56e-04	0.0	107.5	509.40	-1613.86	48.00	-7625.31	4817.26	-1.018e+04
43	3	5.612e+04	4142.75	-2.57e-03	-5370.76	0.0	96.71	2685.57	126.65	-1.283e+04	1556.98	-1.606e+04
		-1.606e+04	1556.98	6.06e-04	0.0	107.5	96.71	-2685.18	126.65	-1.283e+04	4142.75	-1.604e+04
43	4	5.603e+04	4335.19	-2.57e-03	-5370.76	0.0	160.95	2686.77	130.67	-1.325e+04	1535.62	-1.621e+04
		-1.621e+04	1535.62	6.43e-04	0.0	107.5	160.95	-2683.98	130.67	-1.325e+04	4335.19	-1.606e+04
43	7	4.407e+04	3168.69	-2.01e-03	-4218.15	0.0	35.04	2108.85	96.93	-9848.45	1222.54	-1.260e+04
		-1.263e+04	1222.54	4.57e-04	0.0	107.5	35.04	-2109.30	96.93	-9848.45	3168.69	-1.263e+04
43	9	4.625e+04	3947.07	-2.18e-03	-4398.02	0.0	404.87	2200.90	123.87	-1.224e+04	1322.47	-1.295e+04
		-1.295e+04	1322.47	6.37e-04	0.0	107.5	404.87	-2197.11	123.87	-1.224e+04	3947.07	-1.274e+04
43	11	5.304e+04	4353.47	-2.46e-03	-5078.93	0.0	279.09	2541.85	131.44	-1.323e+04	1456.72	-1.534e+04
		-1.534e+04	1456.72	6.67e-04	0.0	107.5	279.09	-2537.08	131.44	-1.323e+04	4353.47	-1.508e+04
43	12	3.420e+04	2973.02	-1.62e-03	-3245.41	0.0	343.21	1624.18	94.15	-9257.80	988.03	-9491.11
		-9491.11	988.03	4.88e-04	0.0	107.5	343.21	-1621.23	94.15	-9257.80	2973.02	-9332.43
43	28	2.893e+04	2997.03	-3.65e-03	-3517.78	0.0	105.79	1991.67	53.23	-4514.73	2997.03	-3.144e+04
		-3.144e+04	2723.32	-3.57e-03	0.0	107.5	105.79	-1526.10	53.23	-4514.73	2723.32	-6842.40
43	29	4.674e+04	1479.63	3.72e-03	-3517.78	0.0	283.99	1524.37	95.99	-1.127e+04	-523.19	1.105e+04

		-1.373e+04	-523.19	4.49e-03	0.0	107.5	283.99	-1993.41	95.99	-1.127e+04	1479.63	-1.373e+04
43	39	4.032e+04	5208.34	-2.74e-03	-3517.78	0.0	-1331.42	1713.86	52.83	-1.054e+04	5208.34	-6162.20
		-7737.18	3784.36	2.03e-03	0.0	107.5	-1331.42	-1803.92	52.83	-1.054e+04	3784.36	-7737.18
43	47	4.151e+04	3906.15	-2.99e-03	-3517.78	0.0	-2037.24	1689.54	75.72	-1.017e+04	2813.25	-2772.66
		-8750.33	2813.25	5.11e-03	0.0	107.5	-2037.24	-1828.23	75.72	-1.017e+04	3906.15	-8750.33
43	50	3.235e+04	177.68	2.14e-03	-3517.78	0.0	2525.33	1824.51	4.79	-927.33	177.68	-1.771e+04
		-1.771e+04	-2889.63	-4.42e-03	0.0	107.5	2525.33	-1693.27	4.79	-927.33	-2889.63	-1.213e+04
43	60	3.225e+04	3469.03	-2.57e-03	-3517.78	0.0	180.75	1886.81	88.17	-7303.55	1648.84	-2.189e+04
		-2.189e+04	1648.84	-1.97e-03	0.0	107.5	180.75	-1630.97	88.17	-7303.55	3469.03	-8368.35
43	61	4.211e+04	2113.30	2.03e-03	-3517.78	0.0	174.44	1630.00	91.77	-1.053e+04	511.30	1538.11
		-1.209e+04	511.30	2.84e-03	0.0	107.5	174.44	-1887.78	91.77	-1.053e+04	2113.30	-1.209e+04
43	71	3.906e+04	4564.93	-2.41e-03	-3517.78	0.0	-852.74	1734.98	62.30	-1.081e+04	4564.93	-7822.29
		-8605.22	3450.32	2.11e-03	0.0	107.5	-852.74	-1782.80	62.30	-1.081e+04	3450.32	-8605.22
43	74	3.508e+04	2130.01	1.23e-03	-3517.78	0.0	1207.94	1781.83	117.63	-7017.24	-2404.79	-1.253e+04
		-1.253e+04	-2404.79	-1.24e-03	0.0	107.5	1207.94	-1735.95	117.63	-7017.24	2130.01	-1.185e+04
43	79	3.971e+04	3505.02	-2.54e-03	-3517.78	0.0	-1241.59	1721.61	75.37	-1.061e+04	3179.13	-5956.90
		-9169.74	3179.13	3.80e-03	0.0	107.5	-1241.59	-1796.17	75.37	-1.061e+04	3505.02	-9169.74
43	82	3.443e+04	2075.30	1.42e-03	-3517.78	0.0	1596.78	1795.20	104.57	-7217.38	-1018.99	-1.439e+04
		-1.439e+04	-1018.99	-2.93e-03	0.0	107.5	1596.78	-1722.57	104.57	-7217.38	2075.30	-1.129e+04
43	87	3.513e+04	2674.05	-1.64e-03	-3323.23	0.0	213.53	1660.99	87.81	-8631.50	1041.71	-9492.35
		-9559.36	1041.71	4.25e-04	0.0	107.5	213.53	-1662.24	87.81	-8631.50	2674.05	-9559.36
43	88	3.707e+04	2790.16	-1.72e-03	-3517.78	0.0	177.60	1758.41	89.97	-8914.43	1080.07	-1.018e+04
		-1.023e+04	1080.07	4.34e-04	0.0	107.5	177.60	-1759.37	89.97	-8914.43	2790.16	-1.023e+04
43	91	4.159e+04	3061.09	-1.91e-03	-3971.72	0.0	93.74	1985.71	95.01	-9574.59	1169.57	-1.177e+04
		-1.179e+04	1169.57	4.53e-04	0.0	107.5	93.74	-1986.02	95.01	-9574.59	3061.09	-1.179e+04
43	92	4.153e+04	3189.39	-1.91e-03	-3971.72	0.0	136.57	1986.51	97.69	-9849.25	1155.33	-1.187e+04
		-1.187e+04	1155.33	4.78e-04	0.0	107.5	136.57	-1985.22	97.69	-9849.25	3189.39	-1.180e+04
43	93	3.501e+04	2930.64	-1.65e-03	-3323.23	0.0	299.18	1662.59	93.16	-9180.82	1013.23	-9694.41
		-9694.41	1013.23	4.74e-04	0.0	107.5	299.18	-1660.64	93.16	-9180.82	2930.64	-9589.28
43	95	3.954e+04	3201.57	-1.83e-03	-3777.17	0.0	215.33	1889.89	98.21	-9840.98	1102.74	-1.129e+04
		-1.129e+04	1102.74	4.94e-04	0.0	107.5	215.33	-1887.28	98.21	-9840.98	3201.57	-1.125e+04
43	101	3.836e+04	2867.57	-1.77e-03	-3647.47	0.0	153.64	1823.35	91.41	-9103.05	1105.64	-1.063e+04
		-1.067e+04	1105.64	4.39e-04	0.0	107.5	153.64	-1824.13	91.41	-9103.05	2867.57	-1.067e+04
43	102	3.511e+04	2725.37	-1.64e-03	-3323.23	0.0	230.66	1661.31	88.88	-8741.37	1036.02	-9532.76
		-9565.34	1036.02	4.35e-04	0.0	107.5	230.66	-1661.92	88.88	-8741.37	2725.37	-9565.34
43	105	3.513e+04	2674.05	-1.64e-03	-3323.23	0.0	213.53	1660.99	87.81	-8631.50	1041.71	-9492.35
		-9559.36	1041.71	4.25e-04	0.0	107.5	213.53	-1662.24	87.81	-8631.50	2674.05	-9559.36
43	106	3.707e+04	2790.16	-1.72e-03	-3517.78	0.0	177.60	1758.41	89.97	-8914.43	1080.07	-1.018e+04
		-1.023e+04	1080.07	4.34e-04	0.0	107.5	177.60	-1759.37	89.97	-8914.43	2790.16	-1.023e+04
44	4	5.944e+04	8508.03	-2.91e-03	-5370.76	0.0	402.40	2747.32	130.27	-9452.12	-2283.92	-1.606e+04
		-1.606e+04	-2283.92	8.32e-04	0.0	107.5	402.40	-2623.44	130.27	-9452.12	8508.03	-9402.85
44	7	4.631e+04	6278.05	-2.22e-03	-4218.15	0.0	230.37	2151.07	99.53	-7086.34	-1755.96	-1.263e+04
		-1.263e+04	-1755.96	6.11e-04	0.0	107.5	230.37	-2067.08	99.53	-7086.34	6278.05	-8113.59
44	9	4.986e+04	7559.27	-2.59e-03	-4398.02	0.0	666.25	2264.14	118.68	-8868.93	-2185.06	-1.274e+04
		-1.274e+04	-2185.06	7.95e-04	0.0	107.5	666.25	-2133.88	118.68	-8868.93	7559.27	-5742.50
44	26	3.750e+04	4358.79	3.60e-03	-3517.78	0.0	1417.15	1837.31	65.17	-5258.61	-656.60	-1.440e+04
		-1.440e+04	-656.60	2.33e-03	0.0	107.5	1417.15	-1680.47	65.17	-5258.61	4358.79	-5150.47
44	35	4.108e+04	5446.51	-4.52e-03	-3517.78	0.0	-640.86	1769.31	106.86	-7201.24	3221.19	-6523.36
		-6523.36	3221.19	3.41e-03	0.0	107.5	-640.86	-1748.46	106.86	-7201.24	5446.51	-5857.45
44	39	4.090e+04	5836.59	-2.66e-03	-3517.78	0.0	-1353.15	1806.35	114.91	-9238.75	-4525.56	-7737.19
		-7737.19	-4525.56	1.99e-03	0.0	107.5	-1353.15	-1711.43	114.91	-9238.75	5836.59	-5012.18
44	47	4.101e+04	6228.15	-2.70e-03	-3517.78	0.0	-2076.00	1818.19	110.49	-9308.98	-3246.18	-8750.34
		-8750.34	-3246.18	5.16e-03	0.0	107.5	-2076.00	-1699.58	110.49	-9308.98	6228.15	-3765.03
44	49	4.023e+04	6344.68	-1.50e-03	-3517.78	0.0	-1764.77	1843.38	102.87	-9414.54	-2480.18	-1.093e+04
		-1.093e+04	-2480.18	6.58e-03	0.0	107.5	-1764.77	-1674.40	102.87	-9414.54	6344.68	-3164.78
44	50	3.719e+04	1135.72	-1.26e-03	-3517.78	0.0	2975.12	1784.06	52.28	-1688.70	-3473.54	-1.213e+04
		-1.213e+04	-3473.54	-4.06e-03	0.0	107.5	2975.12	-1733.72	52.28	-1688.70	1135.72	-8033.77
44	58	3.822e+04	5474.08	1.97e-03	-3517.78	0.0	1031.16	1819.43	80.79	-6051.82	-656.70	-1.253e+04
		-1.253e+04	-656.70	1.25e-03	0.0	107.5	1031.16	-1698.35	80.79	-6051.82	5474.08	-5577.02
44	71	4.063e+04	5693.78	-2.47e-03	-3517.78	0.0	-916.84	1807.58	102.83	-8508.03	-3015.49	-8605.23
		-8605.23	-3015.49	2.17e-03	0.0	107.5	-916.84	-1710.19	102.83	-8508.03	5693.78	-6737.09
44	79	4.069e+04	5909.29	-2.49e-03	-3517.78	0.0	-1316.23	1814.10	100.39	-8547.61	-2309.04	-9169.75
		-9169.75	-2309.04	3.91e-03	0.0	107.5	-1316.23	-1703.68	100.39	-8547.61	5909.29	-3986.45
44	81	4.026e+04	5997.78	-1.82e-03	-3517.78	0.0	-1154.45	1827.96	96.57	-8606.73	-1898.51	-1.037e+04
		-1.037e+04	-1898.51	4.68e-03	0.0	107.5	-1154.45	-1689.82	96.57	-8606.73	5997.78	-3657.97
44	82	3.787e+04	4933.80	-1.47e-03	-3517.78	0.0	2101.99	1786.95	80.28	-4551.71	-1050.94	-1.129e+04
		-1.129e+04	-1050.94	-2.78e-03	0.0	107.5	2101.99	-1730.83	80.28	-4551.71	4933.80	-7516.85
44	83	4.071e+04	5916.59	-2.51e-03	-3517.78	0.0	-1287.31	1814.38	100.36	-8546.34	-2298.29	-9176.67
		-9176.67	-2298.29	4.50e-03	0.0	107.5	-1287.31	-1703.40	100.36	-8546.34	5916.59	-3952.43
44	87	3.731e+04	5164.43	-1.89e-03	-3323.23	0.0	434.98	1702.86	87.69	-6387.66	-1658.35	-9559.36
		-9559.36	-1658.35	5.56e-04	0.0	107.5	434.98	-1620.37	87.69	-6387.66	5164.43	-5125.82
44	88	3.928e+04	5421.54	-1.96e-03	-3517.78	0.0	392.88	1800.52	90.34	-6549.66	-1679.99	-1.023e+04
		-1.023e+04	-1679.99	5.69e-04	0.0	107.5	392.88	-1717.25	90.34	-6549.66	5421.54	-5751.65
44	91	4.387e+04	6021.46	-2.13e-03	-3971.72	0.0	294.64	2028.41	96.51	-6927.67	-1730.47	-1.179e+04
		-1.179e+04	-1730.47	6.00e-04	0.0	107.5	294.64	-1943.31	96.51	-6927.67	6021.46	-7211.91
44	92	4.404e+04	6245.99	-2.17e-03	-3971.72	0.0	330.20	2031.84	97.61	-7078.88	-1736.68	-1.180e+04
		-1.180e+04	-1736.68	6.21e-04	0.0	107.5	330.20	-1939.88	97.61	-7078.88	6245.99	-6857.77
44	93	3.765e+04	5613.49	-1.95e-03	-3323.23	0.0	506.10	1709.72	89.88	-6690.09	-1670.77	-9589.28
		-9589.28	-1670.77	5.96e-04	0.0	107.5	506.10	-1613.50	89.88	-6690.09	5613.49	-4417.53
44	101	4.059e+04	5592.95	-2.01e-03	-3647.47	0.0	364.81	1865.63	92.10	-6657.66	-1694.41	-1.067e+04

		-1.067e+04	-1694.41	5.78e-04	0.0	107.5	364.81	-1781.84	92.10	-6657.66	5592.95	-6168.87
44	102	3.738e+04	5254.24	-1.90e-03	-3323.23	0.0	449.21	1704.23	88.13	-6448.14	-1660.84	-9565.35
		-9565.35	-1660.84	5.64e-04	0.0	107.5	449.21	-1619.00	88.13	-6448.14	5254.24	-4984.16
44	105	3.731e+04	5164.43	-1.89e-03	-3323.23	0.0	434.98	1702.86	87.69	-6387.66	-1658.35	-9559.36
		-9559.36	-1658.35	5.56e-04	0.0	107.5	434.98	-1620.37	87.69	-6387.66	5164.43	-5125.82
44	106	3.928e+04	5421.54	-1.96e-03	-3517.78	0.0	392.88	1800.52	90.34	-6549.66	-1679.99	-1.023e+04
		-1.023e+04	-1679.99	5.69e-04	0.0	107.5	392.88	-1717.25	90.34	-6549.66	5421.54	-5751.65
45	3	6.048e+04	634.12	-2.76e-03	-4971.07	0.0	587.94	2656.21	-51.57	-1774.28	352.80	-9934.06
		-9934.06	352.80	9.78e-04	0.0	99.5	587.94	-2314.86	-51.57	-1774.28	634.12	7048.20
45	4	6.211e+04	604.94	-2.89e-03	-4971.07	0.0	621.97	2675.83	-58.42	-1737.82	376.92	-9402.85
		-9402.85	376.92	1.01e-03	0.0	99.5	621.97	-2295.24	-58.42	-1737.82	604.94	9531.18
45	7	4.659e+04	507.29	-2.10e-03	-3904.24	0.0	426.48	2075.46	-37.61	-1380.67	284.05	-8113.59
		-8113.59	284.05	7.51e-04	0.0	99.5	426.48	-1828.78	-37.61	-1380.67	507.29	4158.45
45	16	5.525e+04	678.62	-2.71e-03	-4070.72	0.0	810.70	2242.52	-51.79	-1988.41	95.63	-6179.94
		-6179.94	95.63	8.97e-04	0.0	99.5	810.70	-1828.20	-51.79	-1988.41	678.62	1.443e+04
45	17	5.878e+04	777.73	-2.69e-03	-4700.97	0.0	671.25	2531.49	-48.33	-2045.31	239.53	-8901.55
		-8901.55	239.53	9.45e-04	0.0	99.5	671.25	-2169.48	-48.33	-2045.31	777.73	9108.40
45	19	3.973e+04	580.97	-1.91e-03	-3003.89	0.0	615.21	1642.15	-30.98	-1631.27	2.76	-4890.68
		-4890.68	2.76	6.39e-04	0.0	99.5	615.21	-1361.74	-30.98	-1631.27	580.97	9059.45
45	29	4.883e+04	3012.46	3.46e-03	-3255.99	0.0	341.03	1863.21	-22.05	-957.16	1889.13	-4063.89
		-4063.89	1889.13	4.58e-03	0.0	99.5	341.03	-1392.78	-22.05	-957.16	3012.46	1.911e+04
45	47	4.278e+04	2330.29	-2.27e-03	-3255.99	0.0	-2619.33	1749.04	-40.31	-4309.52	2330.29	-3765.04
		-3765.04	2051.86	5.21e-03	0.0	99.5	-2619.33	-1506.95	-40.31	-4309.52	2051.86	8117.33
45	48	3.704e+04	-4651.01	-2.93e-03	-3255.99	0.0	3511.19	1729.15	-11.39	-386.66	-7342.69	-8634.03
		-8634.03	-7342.69	-5.30e-03	0.0	99.5	3511.19	-1526.84	-11.39	-386.66	-4651.01	1694.09
45	49	4.656e+04	3225.54	1.37e-03	-3255.99	0.0	-2205.10	1806.88	-32.40	-3600.36	2981.95	-3164.77
		-3164.77	2981.95	6.59e-03	0.0	99.5	-2205.10	-1449.11	-32.40	-3600.36	3225.54	1.437e+04
45	50	4.082e+04	-3477.33	-1.75e-03	-3255.99	0.0	3925.42	1786.99	-3.48	322.49	-6691.02	-8033.77
		-8033.77	-6691.02	-3.92e-03	0.0	99.5	3925.42	-1469.00	-3.48	322.49	-3477.33	7947.74
45	61	4.576e+04	2156.48	1.68e-03	-3255.99	0.0	243.69	1817.23	-29.77	-1029.93	1489.60	-4625.34
		-4625.34	1489.60	3.03e-03	0.0	99.5	243.69	-1438.76	-29.77	-1029.93	2156.48	1.408e+04
45	79	4.284e+04	2361.52	-2.21e-03	-3255.99	0.0	-1769.49	1753.27	-41.49	-2642.17	2361.52	-3986.45
		-3986.45	2201.66	4.00e-03	0.0	99.5	-1769.49	-1502.72	-41.49	-2642.17	2201.66	8390.56
45	80	3.832e+04	-2000.95	-2.42e-03	-3255.99	0.0	2635.73	1739.07	-33.72	-452.59	-2514.39	-7845.34
		-7845.34	-2514.39	-3.40e-03	0.0	99.5	2635.73	-1516.91	-33.72	-452.59	-2000.95	3349.96
45	81	4.492e+04	2859.70	-1.65e-03	-3255.99	0.0	-1551.94	1785.08	-37.33	-2251.76	2746.74	-3657.97
		-3657.97	2746.74	4.75e-03	0.0	99.5	-1551.94	-1470.91	-37.33	-2251.76	2859.70	1.183e+04
45	82	4.039e+04	-1342.92	-1.80e-03	-3255.99	0.0	2853.28	1770.89	-29.57	-62.18	-2129.17	-7516.85
		-7516.85	-2129.17	-2.65e-03	0.0	99.5	2853.28	-1485.10	-29.57	-62.18	-1342.92	6788.93
45	87	4.014e+04	409.39	-1.97e-03	-3075.92	0.0	572.02	1673.91	-34.56	-1346.34	68.17	-5125.83
		-5125.83	68.17	6.53e-04	0.0	99.5	572.02	-1402.01	-34.56	-1346.34	409.39	8401.40
45	88	4.162e+04	429.37	-2.00e-03	-3255.99	0.0	541.90	1762.08	-35.53	-1352.18	116.17	-5751.65
		-5751.65	116.17	6.76e-04	0.0	99.5	541.90	-1493.91	-35.53	-1352.18	429.37	7589.74
45	91	4.506e+04	475.99	-2.08e-03	-3676.15	0.0	471.61	1967.80	-37.79	-1365.80	228.19	-7211.91
		-7211.91	228.19	7.29e-04	0.0	99.5	471.61	-1708.35	-37.79	-1365.80	475.99	5695.88
45	92	4.614e+04	456.54	-2.16e-03	-3676.15	0.0	494.29	1980.88	-42.36	-1341.49	244.27	-6857.77
		-6857.77	244.27	7.50e-04	0.0	99.5	494.29	-1695.27	-42.36	-1341.49	456.54	7351.20
45	96	4.049e+04	525.11	-1.96e-03	-3075.92	0.0	597.43	1678.93	-33.37	-1532.86	40.66	-5063.31
		-5063.31	40.66	6.54e-04	0.0	99.5	597.43	-1396.99	-33.37	-1532.86	525.11	8963.21
45	97	4.157e+04	505.66	-2.04e-03	-3075.92	0.0	620.11	1692.01	-37.94	-1508.55	56.74	-4709.16
		-4709.16	56.74	6.75e-04	0.0	99.5	620.11	-1383.91	-37.94	-1508.55	505.66	1.062e+04
45	98	4.393e+04	571.74	-2.03e-03	-3496.08	0.0	527.15	1884.65	-35.63	-1546.48	152.68	-6523.57
		-6523.57	152.68	7.07e-04	0.0	99.5	527.15	-1611.43	-35.63	-1546.48	571.74	7069.34
45	100	4.014e+04	409.39	-1.97e-03	-3075.92	0.0	572.02	1673.91	-34.56	-1346.34	68.17	-5125.83
		-5125.83	68.17	6.53e-04	0.0	99.5	572.02	-1402.01	-34.56	-1346.34	409.39	8401.40
45	101	4.260e+04	442.69	-2.02e-03	-3376.03	0.0	521.81	1820.86	-36.17	-1356.07	148.18	-6168.87
		-6168.87	148.18	6.91e-04	0.0	99.5	521.81	-1555.18	-36.17	-1356.07	442.69	7048.64
45	102	4.058e+04	401.61	-2.01e-03	-3075.92	0.0	581.09	1679.14	-36.39	-1336.61	74.60	-4984.17
		-4984.17	74.60	6.61e-04	0.0	99.5	581.09	-1396.78	-36.39	-1336.61	401.61	9063.53
45	105	4.014e+04	409.39	-1.97e-03	-3075.92	0.0	572.02	1673.91	-34.56	-1346.34	68.17	-5125.83
		-5125.83	68.17	6.53e-04	0.0	99.5	572.02	-1402.01	-34.56	-1346.34	409.39	8401.40
45	106	4.162e+04	429.37	-2.00e-03	-3255.99	0.0	541.90	1762.08	-35.53	-1352.18	116.17	-5751.65
		-5751.65	116.17	6.76e-04	0.0	99.5	541.90	-1493.91	-35.53	-1352.18	429.37	7589.74
46	3	6.817e+04	3008.61	-2.77e-03	-5395.74	0.0	-899.99	2608.08	78.79	-4274.74	-1075.26	176.84
		-9520.77	-1075.26	7.52e-04	0.0	108.0	-899.99	-2787.66	78.79	-4274.74	3008.61	-9520.77
46	4	6.977e+04	3115.89	-2.82e-03	-5395.74	0.0	-1001.67	2590.80	83.38	-4451.35	-1013.99	2712.19
		-8851.17	-1013.99	7.78e-04	0.0	108.0	-1001.67	-2804.94	83.38	-4451.35	3115.89	-8851.17
46	11	6.884e+04	3055.10	-2.79e-03	-5102.56	0.0	-1049.76	2420.19	87.23	-4544.27	-882.34	7032.22
		-7125.41	-882.34	7.82e-04	0.0	108.0	-1049.76	-2682.37	87.23	-4544.27	3055.10	-7125.41
46	19	4.469e+04	1757.81	-1.82e-03	-3260.50	0.0	-489.51	1540.02	55.08	-2781.86	-431.43	5549.11
		-4195.64	-431.43	5.22e-04	0.0	108.0	-489.51	-1720.48	55.08	-2781.86	1757.81	-4195.64
46	31	5.368e+04	3571.42	-4.48e-03	-3534.14	0.0	-2878.19	1627.79	26.54	-4721.48	3571.42	1.358e+04
		-2109.06	2704.16	2.64e-03	0.0	108.0	-2878.19	-1906.35	26.54	-4721.48	2704.16	-2109.06
46	47	5.092e+04	4883.90	-2.05e-03	-3534.14	0.0	-4489.74	1688.63	9.05	634.19	4883.90	8298.90
		-1886.34	1958.22	6.09e-03	0.0	108.0	-4489.74	-1845.51	9.05	634.19	1958.22	-1886.34
46	50	4.333e+04	-2620.07	-1.86e-03	-3534.14	0.0	3586.13	1671.19	72.46	-4509.34	-8349.98	-60.69
		-8701.71	-8349.98	-4.97e-03	0.0	108.0	3586.13	-1862.95	72.46	-4509.34	-2620.07	-8701.71
46	51	5.095e+04	4921.00	-2.11e-03	-3534.14	0.0	-4489.12	1688.54	8.62	752.81	4921.00	8346.46
		-1858.31	1950.30	7.27e-03	0.0	108.0	-4489.12	-1845.59	8.62	752.81	1950.30	-1858.31
46	54	4.329e+04	-2612.15	-1.79e-03	-3534.14	0.0	3585.51	1671.28	72.89	-4627.96	-8387.08	-108.25

		-8729.74	-8387.08	-6.15e-03	0.0	108.0	3585.51	-1862.86	72.89	-4627.96	-2612.15	-8729.74
46	63	5.047e+04	2684.66	-3.25e-03	-3534.14	0.0	-2016.17	1657.03	41.99	-4136.25	1775.84	8863.39
		-3381.25	1775.84	2.00e-03	0.0	108.0	-2016.17	-1877.11	41.99	-4136.25	2684.66	-3381.25
46	71	4.915e+04	3106.94	-2.14e-03	-3534.14	0.0	-2762.48	1689.82	40.08	-4838.58	2347.76	6259.36
		-3377.25	2347.76	2.47e-03	0.0	108.0	-2762.48	-1844.31	40.08	-4838.58	3106.94	-3377.25
46	83	4.903e+04	3023.51	-2.02e-03	-3534.14	0.0	-3330.80	1696.73	34.79	-1558.26	2804.73	5588.97
		-2955.67	2804.73	5.26e-03	0.0	108.0	-3330.80	-1837.41	34.79	-1558.26	3023.51	-2955.67
46	86	4.467e+04	864.50	-1.86e-03	-3534.14	0.0	2203.58	1676.35	81.81	-4610.63	-4182.35	1387.79
		-7461.70	-4182.35	-4.20e-03	0.0	108.0	2203.58	-1857.78	81.81	-4610.63	864.50	-7461.70
46	87	4.516e+04	1831.96	-1.88e-03	-3338.68	0.0	-527.89	1584.32	57.80	-3028.66	-641.89	4678.17
		-4504.58	-641.89	5.18e-04	0.0	108.0	-527.89	-1754.37	57.80	-3028.66	1831.96	-4504.58
46	88	4.685e+04	1944.01	-1.94e-03	-3534.14	0.0	-563.61	1686.54	58.30	-3084.45	-688.81	3488.38
		-5208.69	-688.81	5.32e-04	0.0	108.0	-563.61	-1847.60	58.30	-3084.45	1944.01	-5208.69
46	91	5.080e+04	2205.45	-2.07e-03	-3990.19	0.0	-646.95	1925.06	59.47	-3214.62	-798.29	712.21
		-6851.60	-798.29	5.64e-04	0.0	108.0	-646.95	-2065.13	59.47	-3214.62	2205.45	-6851.60
46	92	5.187e+04	2276.97	-2.11e-03	-3990.19	0.0	-714.73	1913.55	62.53	-3332.36	-757.45	2402.44
		-6405.20	-757.45	5.80e-04	0.0	108.0	-714.73	-2076.65	62.53	-3332.36	2276.97	-6405.20
46	95	5.124e+04	2236.45	-2.09e-03	-3794.74	0.0	-746.80	1799.80	65.09	-3394.30	-669.68	5282.47
		-5254.69	-669.68	5.83e-04	0.0	108.0	-746.80	-1994.94	65.09	-3394.30	2236.45	-5254.69
46	96	4.552e+04	1827.07	-1.86e-03	-3338.68	0.0	-525.73	1579.68	56.75	-2903.16	-505.72	5288.23
		-4394.82	-505.72	5.28e-04	0.0	108.0	-525.73	-1759.00	56.75	-2903.16	1827.07	-4394.82
46	100	4.516e+04	1831.96	-1.88e-03	-3338.68	0.0	-527.89	1584.32	57.80	-3028.66	-641.89	4678.17
		-4504.58	-641.89	5.18e-04	0.0	108.0	-527.89	-1754.37	57.80	-3028.66	1831.96	-4504.58
46	101	4.798e+04	2018.70	-1.98e-03	-3664.44	0.0	-587.42	1754.69	58.63	-3121.64	-720.09	2695.19
		-5678.09	-720.09	5.41e-04	0.0	108.0	-587.42	-1909.75	58.63	-3121.64	2018.70	-5678.09
46	104	4.728e+04	1972.62	-1.95e-03	-3534.14	0.0	-590.72	1681.93	59.52	-3131.54	-672.47	4164.47
		-5030.13	-672.47	5.38e-04	0.0	108.0	-590.72	-1852.20	59.52	-3131.54	1972.62	-5030.13
46	105	4.516e+04	1831.96	-1.88e-03	-3338.68	0.0	-527.89	1584.32	57.80	-3028.66	-641.89	4678.17
		-4504.58	-641.89	5.18e-04	0.0	108.0	-527.89	-1754.37	57.80	-3028.66	1831.96	-4504.58
46	106	4.685e+04	1944.01	-1.94e-03	-3534.14	0.0	-563.61	1686.54	58.30	-3084.45	-688.81	3488.38
		-5208.69	-688.81	5.32e-04	0.0	108.0	-563.61	-1847.60	58.30	-3084.45	1944.01	-5208.69
47	3	5.457e+04	2636.57	-1.97e-03	-4996.05	0.0	-453.01	2530.88	-29.29	325.45	2636.57	-9520.76
		-9520.76	1575.50	6.79e-04	0.0	100.0	-453.01	-2465.17	-29.29	325.45	1575.50	-6235.44
47	4	5.522e+04	2765.99	-1.99e-03	-4996.05	0.0	-499.84	2530.51	-30.66	333.63	2765.99	-8851.16
		-8851.16	1664.77	6.99e-04	0.0	100.0	-499.84	-2465.54	-30.66	333.63	1664.77	-5602.70
47	5	3.423e+04	1667.45	-1.34e-03	-3018.99	0.0	-101.70	1526.54	-16.93	120.80	1667.45	-4360.29
		-4360.29	963.38	4.55e-04	0.0	100.0	-101.70	-1492.45	-16.93	120.80	963.38	-2655.93
47	11	5.340e+04	2792.07	-1.97e-03	-4724.59	0.0	-470.98	2391.66	-30.35	300.12	2792.07	-7125.40
		-7125.40	1682.83	7.00e-04	0.0	100.0	-470.98	-2332.93	-30.35	300.12	1682.83	-4189.24
47	19	3.439e+04	1683.77	-1.29e-03	-3018.99	0.0	-81.36	1526.39	-16.85	125.59	1683.77	-4195.64
		-4195.64	1039.73	4.62e-04	0.0	100.0	-81.36	-1492.60	-16.85	125.59	1039.73	-2506.04
47	29	3.749e+04	4564.86	3.04e-03	-3272.35	0.0	-129.72	1703.89	-69.94	3221.34	4564.86	-6858.64
		-6858.64	-1690.63	4.79e-03	0.0	100.0	-129.72	-1568.46	-69.94	3221.34	-1690.63	30.06
47	47	3.953e+04	2951.92	1.76e-03	-3272.35	0.0	-4357.87	1647.49	-18.60	2861.77	2951.92	-1886.33
		-1886.33	1325.89	5.87e-03	0.0	100.0	-4357.87	-1624.86	-18.60	2861.77	1325.89	-867.93
47	48	3.363e+04	-628.58	-2.82e-03	-3272.35	0.0	3483.57	1635.14	20.08	-3697.16	-4715.46	-7238.52
		-7311.86	-4715.46	-6.37e-03	0.0	100.0	3483.57	-1637.21	20.08	-3697.16	-628.58	-7311.86
47	50	3.360e+04	-2168.19	-2.03e-03	-3272.35	0.0	4206.77	1663.08	-8.08	-2457.28	-3385.56	-8701.71
		-8701.71	-3385.56	-4.91e-03	0.0	100.0	4206.77	-1609.27	-8.08	-2457.28	-2168.19	-5898.24
47	51	3.956e+04	2979.20	1.59e-03	-3272.35	0.0	-4337.39	1647.38	-18.75	2988.75	2979.20	-1858.30
		-1858.30	1327.44	6.98e-03	0.0	100.0	-4337.39	-1624.97	-18.75	2988.75	1327.44	-821.68
47	54	3.357e+04	-2169.74	-1.93e-03	-3272.35	0.0	4186.30	1663.19	-7.93	-2584.27	-3412.84	-8729.74
		-8729.74	-3412.84	-6.02e-03	0.0	100.0	4186.30	-1609.16	-7.93	-2584.27	-2169.74	-5944.49
47	66	3.612e+04	2569.77	1.58e-03	-3272.35	0.0	1087.34	1679.77	-40.73	553.38	2569.77	-7036.10
		-7036.10	-481.25	-9.39e-04	0.0	100.0	1087.34	-1592.58	-40.73	553.38	-481.25	-2536.05
47	79	3.886e+04	3282.26	1.23e-03	-3272.35	0.0	-3122.90	1655.40	-28.72	1974.22	3282.26	-2971.00
		-2971.00	1831.04	4.52e-03	0.0	100.0	-3122.90	-1616.95	-28.72	1974.22	1831.04	-1110.21
47	81	3.885e+04	4009.65	1.93e-03	-3272.35	0.0	-2729.26	1670.80	-44.18	2652.70	4009.65	-3779.93
		-3779.93	993.49	5.32e-03	0.0	100.0	-2729.26	-1601.55	-44.18	2652.70	993.49	-334.13
47	82	3.448e+04	298.62	-1.75e-03	-3272.35	0.0	2759.00	1656.03	-8.83	-1651.43	298.62	-7446.37
		-7446.37	265.24	-3.57e-03	0.0	100.0	2759.00	-1616.32	-8.83	-1651.43	265.24	-5399.41
47	83	3.888e+04	3297.05	1.14e-03	-3272.35	0.0	-3114.16	1655.34	-28.80	2044.38	3297.05	-2955.66
		-2955.66	1831.82	5.14e-03	0.0	100.0	-3114.16	-1617.01	-28.80	2044.38	1831.82	-1085.18
47	86	3.446e+04	283.84	-1.70e-03	-3272.35	0.0	2750.27	1656.09	-8.75	-1721.59	283.84	-7461.70
		-7461.70	264.46	-4.18e-03	0.0	100.0	2750.27	-1616.26	-8.75	-1721.59	264.46	-5424.44
47	87	3.502e+04	1721.55	-1.36e-03	-3091.38	0.0	-131.49	1563.39	-17.66	133.60	1721.55	-4504.58
		-4504.58	1000.67	4.65e-04	0.0	100.0	-131.49	-1527.99	-17.66	133.60	1000.67	-2734.33
47	88	3.667e+04	1790.44	-1.39e-03	-3272.35	0.0	-181.95	1655.71	-18.78	161.39	1790.44	-5208.68
		-5208.68	1048.14	4.78e-04	0.0	100.0	-181.95	-1616.64	-18.78	161.39	1048.14	-3254.81
47	89	3.502e+04	1721.55	-1.36e-03	-3091.38	0.0	-131.49	1563.39	-17.66	133.60	1721.55	-4504.58
		-4504.58	1000.67	4.65e-04	0.0	100.0	-131.49	-1527.99	-17.66	133.60	1000.67	-2734.33
47	91	4.052e+04	1951.19	-1.48e-03	-3694.63	0.0	-299.68	1871.14	-21.40	226.25	1951.19	-6851.59
		-6851.59	1158.89	5.08e-04	0.0	100.0	-299.68	-1823.49	-21.40	226.25	1158.89	-4469.27
47	92	4.096e+04	2037.46	-1.50e-03	-3694.63	0.0	-330.90	1870.89	-22.31	231.70	2037.46	-6405.19
		-6405.19	1218.40	5.22e-04	0.0	100.0	-330.90	-1823.74	-22.31	231.70	1218.40	-4047.44
47	95	3.974e+04	2054.85	-1.48e-03	-3513.65	0.0	-311.66	1778.32	-22.10	209.36	2054.85	-5254.69
		-5254.69	1230.45	5.22e-04	0.0	100.0	-311.66	-1735.33	-22.10	209.36	1230.45	-3105.13
47	96	3.513e+04	1732.43	-1.33e-03	-3091.38	0.0	-117.93	1563.29	-17.61	136.79	1732.43	-4394.81
		-4394.81	1051.58	4.69e-04	0.0	100.0	-117.93	-1528.08	-17.61	136.79	1051.58	-2634.40
47	100	3.502e+04	1721.55	-1.36e-03	-3091.38	0.0	-131.49	1563.39	-17.66	133.60	1721.55	-4504.58

		-4504.58	1000.67	4.65e-04	0.0	100.0	-131.49	-1527.99	-17.66	133.60	1000.67	-2734.33
47	101	3.777e+04	1836.37	-1.42e-03	-3393.00	0.0	-215.59	1717.26	-19.53	179.92	1836.37	-5678.09
		-5678.09	1079.78	4.87e-04	0.0	100.0	-215.59	-1675.74	-19.53	179.92	1079.78	-3601.80
47	105	3.502e+04	1721.55	-1.36e-03	-3091.38	0.0	-131.49	1563.39	-17.66	133.60	1721.55	-4504.58
		-4504.58	1000.67	4.65e-04	0.0	100.0	-131.49	-1527.99	-17.66	133.60	1000.67	-2734.33
47	106	3.667e+04	1790.44	-1.39e-03	-3272.35	0.0	-181.95	1655.71	-18.78	161.39	1790.44	-5208.68
		-5208.68	1048.14	4.78e-04	0.0	100.0	-181.95	-1616.64	-18.78	161.39	1048.14	-3254.81
48	3	5.372e+04	2536.50	-1.73e-03	-4596.37	0.0	-705.71	2451.28	-57.59	3967.96	1934.83	-6235.42
		-6235.42	1934.83	6.33e-04	0.0	92.0	-705.71	-2145.09	-57.59	3967.96	2536.50	7849.44
48	4	5.537e+04	2704.09	-1.81e-03	-4596.37	0.0	-767.65	2470.95	-62.23	4163.89	2039.40	-5602.68
		-5602.68	2039.40	6.52e-04	0.0	92.0	-767.65	-2125.41	-62.23	4163.89	2704.09	1.029e+04
48	5	3.516e+04	1755.52	-1.28e-03	-2777.47	0.0	-250.30	1511.85	-38.94	2597.32	1200.34	-2655.92
		-2655.92	1200.34	4.29e-04	0.0	92.0	-250.30	-1265.61	-38.94	2597.32	1755.52	8671.16
48	11	5.519e+04	2827.27	-1.87e-03	-4346.62	0.0	-740.63	2369.87	-65.66	4233.39	2061.61	-4189.22
		-4189.22	2061.61	6.55e-04	0.0	92.0	-740.63	-1976.75	-65.66	4233.39	2827.27	1.389e+04
48	19	3.573e+04	1874.26	-1.26e-03	-2777.47	0.0	-233.27	1520.01	-39.23	2405.17	1237.21	-2506.03
		-2506.03	1237.21	4.35e-04	0.0	92.0	-233.27	-1257.45	-39.23	2405.17	1874.26	9571.59
48	29	4.414e+04	5356.01	2.46e-03	-3010.56	0.0	-801.60	1699.83	-42.07	6017.82	5356.01	30.11
		30.11	5331.41	4.58e-03	0.0	92.0	-801.60	-1310.73	-42.07	6017.82	5331.41	1.785e+04
48	47	3.802e+04	4807.11	2.59e-03	-3010.56	0.0	-4705.33	1595.66	-35.13	4551.74	4807.11	-867.90
		-867.90	3675.14	5.71e-03	0.0	92.0	-4705.33	-1414.90	-35.13	4551.74	3675.14	7656.52
48	48	3.317e+04	-4484.96	-3.34e-03	-3010.56	0.0	3752.17	1630.50	-29.67	-2603.85	-7137.95	-7311.89
		-7311.89	-7137.95	-6.22e-03	0.0	92.0	3752.17	-1380.06	-29.67	-2603.85	-4484.96	4074.13
48	49	4.169e+04	6462.18	3.46e-03	-3010.56	0.0	-4231.55	1640.37	-36.62	6055.69	6462.18	545.74
		545.74	5323.18	7.11e-03	0.0	92.0	-4231.55	-1370.19	-36.62	6055.69	5323.18	1.311e+04
48	50	3.686e+04	-2836.93	-2.78e-03	-3010.56	0.0	4225.96	1675.22	-31.15	-1099.91	-5482.88	-5898.25
		-5898.25	-5482.88	-4.82e-03	0.0	92.0	4225.96	-1335.35	-31.15	-1099.91	-2836.93	9526.33
48	61	4.118e+04	4359.51	1.52e-03	-3010.56	0.0	-828.16	1666.17	-41.18	4887.82	3731.86	-1201.52
		-1201.52	3731.86	3.03e-03	0.0	92.0	-828.16	-1344.40	-41.18	4887.82	4359.51	1.356e+04
48	79	3.819e+04	4677.12	1.71e-03	-3010.56	0.0	-3451.52	1604.86	-37.18	4855.71	3898.21	-1110.19
		-1110.19	3898.21	4.45e-03	0.0	92.0	-3451.52	-1405.70	-37.18	4855.71	4677.12	8163.74
48	80	3.420e+04	-1936.15	-2.40e-03	-3010.56	0.0	2512.01	1627.73	-44.13	-171.60	-2210.98	-6175.50
		-6175.50	-2210.98	-4.31e-03	0.0	92.0	2512.01	-1382.83	-44.13	-171.60	-1936.15	5016.47
48	81	4.021e+04	5598.83	2.21e-03	-3010.56	0.0	-3204.08	1629.46	-37.91	5682.64	4808.31	-334.10
		-334.10	4808.31	5.21e-03	0.0	92.0	-3204.08	-1381.10	-37.91	5682.64	5598.83	1.116e+04
48	82	3.623e+04	-1014.44	-2.14e-03	-3010.56	0.0	2759.45	1652.33	-44.85	655.32	-1300.89	-5399.41
		-5399.41	-1300.89	-3.56e-03	0.0	92.0	2759.45	-1358.23	-44.85	655.32	-1014.44	8016.62
48	87	3.598e+04	1801.74	-1.30e-03	-2844.07	0.0	-286.73	1548.09	-40.21	2671.22	1243.76	-2734.32
		-2734.32	1243.76	4.37e-04	0.0	92.0	-286.73	-1295.97	-40.21	2671.22	1801.74	8863.07
48	88	3.721e+04	1831.34	-1.30e-03	-3010.56	0.0	-346.04	1628.60	-41.02	2755.52	1298.66	-3254.80
		-3254.80	1298.66	4.48e-04	0.0	92.0	-346.04	-1381.97	-41.02	2755.52	1831.34	8090.18
48	89	3.598e+04	1801.74	-1.30e-03	-2844.07	0.0	-286.73	1548.09	-40.21	2671.22	1243.76	-2734.32
		-2734.32	1243.76	4.37e-04	0.0	92.0	-286.73	-1295.97	-40.21	2671.22	1801.74	8863.07
48	91	4.006e+04	1900.42	-1.32e-03	-3399.05	0.0	-484.42	1816.44	-42.90	2952.20	1426.78	-4469.26
		-4469.26	1426.78	4.74e-04	0.0	92.0	-484.42	-1582.61	-42.90	2952.20	1900.42	6286.77
48	92	4.116e+04	2012.14	-1.36e-03	-3399.05	0.0	-525.71	1829.56	-46.00	3082.82	1496.49	-4047.43
		-4047.43	1496.49	4.87e-04	0.0	92.0	-525.71	-1569.50	-46.00	3082.82	2012.14	7915.22
48	95	4.104e+04	2094.27	-1.41e-03	-3232.56	0.0	-507.70	1762.17	-48.29	3129.15	1511.30	-3105.12
		-3105.12	1511.30	4.89e-04	0.0	92.0	-507.70	-1470.39	-48.29	3129.15	2094.27	1.032e+04
48	96	3.637e+04	1880.90	-1.28e-03	-2844.07	0.0	-275.37	1553.53	-40.41	2543.13	1268.33	-2634.39
		-2634.39	1268.33	4.41e-04	0.0	92.0	-275.37	-1290.54	-40.41	2543.13	1880.90	9463.35
48	100	3.598e+04	1801.74	-1.30e-03	-2844.07	0.0	-286.73	1548.09	-40.21	2671.22	1243.76	-2734.32
		-2734.32	1243.76	4.37e-04	0.0	92.0	-286.73	-1295.97	-40.21	2671.22	1801.74	8863.07
48	101	3.802e+04	1851.08	-1.31e-03	-3121.56	0.0	-385.57	1682.27	-41.56	2811.71	1335.27	-3601.79
		-3601.79	1335.27	4.56e-04	0.0	92.0	-385.57	-1439.29	-41.56	2811.71	1851.08	7574.92
48	104	3.765e+04	1876.03	-1.32e-03	-3010.56	0.0	-362.55	1633.84	-42.26	2807.76	1326.55	-3086.07
		-3086.07	1326.55	4.53e-04	0.0	92.0	-362.55	-1376.72	-42.26	2807.76	1876.03	8741.56
48	105	3.598e+04	1801.74	-1.30e-03	-2844.07	0.0	-286.73	1548.09	-40.21	2671.22	1243.76	-2734.32
		-2734.32	1243.76	4.37e-04	0.0	92.0	-286.73	-1295.97	-40.21	2671.22	1801.74	8863.07
48	106	3.721e+04	1831.34	-1.30e-03	-3010.56	0.0	-346.04	1628.60	-41.02	2755.52	1298.66	-3254.80
		-3254.80	1298.66	4.48e-04	0.0	92.0	-346.04	-1381.97	-41.02	2755.52	1831.34	8090.18
49	3	7.829e+04	2101.82	-3.27e-03	-5895.34	0.0	-964.41	2879.45	66.19	-1492.35	-241.54	-4643.46
		-1.269e+04	-241.54	6.72e-04	0.0	118.0	-964.41	-3015.89	66.19	-1492.35	2101.82	-1.269e+04
49	4	7.972e+04	2201.90	-3.29e-03	-5895.34	0.0	-1052.57	2864.74	72.60	-1613.07	-291.69	-2344.98
		-1.213e+04	-291.69	6.92e-04	0.0	118.0	-1052.57	-3030.60	72.60	-1613.07	2201.90	-1.213e+04
49	9	7.050e+04	1959.70	-2.96e-03	-4827.59	0.0	-844.03	2294.90	80.95	-1712.24	-546.06	6303.33
		-7726.64	-546.06	6.60e-04	0.0	118.0	-844.03	-2532.69	80.95	-1712.24	1959.70	-7726.64
49	19	5.052e+04	1290.95	-2.15e-03	-3562.40	0.0	-438.40	1708.54	49.37	-802.19	-219.60	2263.74
		-6309.99	-219.60	4.77e-04	0.0	118.0	-438.40	-1853.86	49.37	-802.19	1290.95	-6309.99
49	31	6.020e+04	3019.62	-9.92e-03	-3861.37	0.0	-2894.02	1781.51	27.60	-1046.36	3019.62	1.234e+04
		-6404.09	1522.84	2.93e-03	0.0	118.0	-2894.02	-2079.87	27.60	-1046.36	1522.84	-6404.09
49	34	4.683e+04	-125.87	0.01	-3861.37	0.0	1847.10	1949.43	66.76	-469.55	-4495.50	-1.180e+04
		-1.180e+04	-4495.50	-1.90e-03	0.0	118.0	1847.10	-1911.95	66.76	-469.55	-125.87	-8452.67
49	35	6.004e+04	3074.29	-9.46e-03	-3861.37	0.0	-3063.62	1780.03	23.15	39.73	3074.29	1.179e+04
		-6072.15	1054.77	4.46e-03	0.0	118.0	-3063.62	-2081.34	23.15	39.73	1054.77	-6072.15
49	51	5.773e+04	2120.61	2.31e-03	-3861.37	0.0	-3754.76	1850.67	7.05	7184.19	2120.61	5795.36
		-4254.09	-3073.35	8.92e-03	0.0	118.0	-3754.76	-2010.70	7.05	7184.19	-3073.35	-4254.09
49	54	4.935e+04	1176.82	-2.46e-03	-3861.37	0.0	2902.94	1872.92	68.24	-7057.71	-5769.64	-4497.48
		-1.071e+04	-5769.64	-7.91e-03	0.0	118.0	2902.94	-1988.46	68.24	-7057.71	1176.82	-1.071e+04
49	63	5.693e+04	1598.34	-5.71e-03	-3861.37	0.0	-1965.30	1821.59	35.08	-1051.56	1598.34	6723.59

		-6775.70	1441.73	2.30e-03	0.0	118.0	-1965.30	-2039.78	35.08	-1051.56	1441.73	-6775.70
49	70	4.968e+04	1585.96	7.16e-03	-3861.37	0.0	977.87	1913.47	69.65	-1777.57	-2242.19	-6279.54
		-8265.94	-2242.19	-2.18e-03	0.0	118.0	977.87	-1947.90	69.65	-1777.57	1585.96	-8265.94
49	80	5.271e+04	4296.22	-5.29e-03	-3861.37	0.0	1113.50	1841.33	80.69	-6334.12	-949.67	823.68
		-9310.01	-949.67	-5.97e-03	0.0	118.0	1113.50	-2020.04	80.69	-6334.12	4296.22	-9310.01
49	82	5.084e+04	3868.24	-2.18e-03	-3861.37	0.0	1666.83	1870.76	85.79	-5628.99	-1889.00	-2722.85
		-9501.69	-1889.00	-4.98e-03	0.0	118.0	1666.83	-1990.61	85.79	-5628.99	3868.24	-9501.69
49	83	5.572e+04	1286.46	2.41e-03	-3861.37	0.0	-2753.58	1863.31	16.37	3511.65	1286.46	2904.25
		-5379.77	-1129.58	6.70e-03	0.0	118.0	-2753.58	-1998.07	16.37	3511.65	-1129.58	-5379.77
49	86	5.083e+04	3899.75	-2.55e-03	-3861.37	0.0	1671.98	1870.95	85.90	-5742.27	-1899.85	-2762.83
		-9478.94	-1899.85	-5.74e-03	0.0	118.0	1671.98	-1990.43	85.90	-5742.27	3899.75	-9478.94
49	87	5.115e+04	1316.63	-2.22e-03	-3647.82	0.0	-481.46	1756.10	51.53	-1111.00	-347.54	1340.68
		-6660.99	-347.54	4.70e-04	0.0	118.0	-481.46	-1891.72	51.53	-1111.00	1316.63	-6660.99
49	88	5.328e+04	1385.09	-2.29e-03	-3861.37	0.0	-540.80	1867.13	51.14	-1115.31	-306.69	70.71
		-7429.36	-306.69	4.81e-04	0.0	118.0	-540.80	-1994.25	51.14	-1115.31	1385.09	-7429.36
49	91	5.825e+04	1544.82	-2.46e-03	-4359.66	0.0	-679.26	2126.19	50.23	-1125.37	-211.39	-2892.54
		-9222.22	-211.39	5.05e-04	0.0	118.0	-679.26	-2233.47	50.23	-1125.37	1544.82	-9222.22
49	92	5.920e+04	1611.54	-2.47e-03	-4359.66	0.0	-738.03	2116.38	54.50	-1205.86	-244.83	-1360.23
		-8847.34	-244.83	5.19e-04	0.0	118.0	-738.03	-2243.28	54.50	-1205.86	1611.54	-8847.34
49	93	5.305e+04	1450.08	-2.25e-03	-3647.82	0.0	-599.00	1736.48	60.07	-1271.97	-414.41	4405.31
		-5911.22	-414.41	4.97e-04	0.0	118.0	-599.00	-1911.34	60.07	-1271.97	1450.08	-5911.22
49	96	5.149e+04	1331.45	-2.20e-03	-3647.82	0.0	-480.63	1751.99	50.86	-922.79	-258.21	1931.72
		-6554.99	-258.21	4.81e-04	0.0	118.0	-480.63	-1895.83	50.86	-922.79	1331.45	-6554.99
49	100	5.115e+04	1316.63	-2.22e-03	-3647.82	0.0	-481.46	1756.10	51.53	-1111.00	-347.54	1340.68
		-6660.99	-347.54	4.70e-04	0.0	118.0	-481.46	-1891.72	51.53	-1111.00	1316.63	-6660.99
49	101	5.470e+04	1430.72	-2.34e-03	-4003.74	0.0	-580.36	1941.14	50.88	-1118.18	-279.47	-775.93
		-7941.60	-279.47	4.88e-04	0.0	118.0	-580.36	-2062.60	50.88	-1118.18	1430.72	-7941.60
49	102	5.153e+04	1343.32	-2.23e-03	-3647.82	0.0	-504.97	1752.18	53.23	-1143.19	-360.91	1953.60
		-6511.03	-360.91	4.76e-04	0.0	118.0	-504.97	-1895.65	53.23	-1143.19	1343.32	-6511.03
49	105	5.115e+04	1316.63	-2.22e-03	-3647.82	0.0	-481.46	1756.10	51.53	-1111.00	-347.54	1340.68
		-6660.99	-347.54	4.70e-04	0.0	118.0	-481.46	-1891.72	51.53	-1111.00	1316.63	-6660.99
49	106	5.328e+04	1385.09	-2.29e-03	-3861.37	0.0	-540.80	1867.13	51.14	-1115.31	-306.69	70.71
		-7429.36	-306.69	4.81e-04	0.0	118.0	-540.80	-1994.25	51.14	-1115.31	1385.09	-7429.36
50	3	4.837e+04	4110.20	1.76e-03	-4988.20	0.0	-247.52	2470.31	-14.06	2574.29	4110.20	-1.269e+04
		-1.507e+04	2759.85	5.67e-04	0.0	99.8	-247.52	-2517.88	-14.06	2574.29	2759.85	-1.507e+04
50	4	4.866e+04	4377.57	1.84e-03	-4988.20	0.0	-266.46	2464.78	-13.59	2601.15	4377.57	-1.213e+04
		-1.506e+04	2940.11	5.84e-04	0.0	99.8	-266.46	-2523.41	-13.59	2601.15	2940.11	-1.506e+04
50	5	3.001e+04	2809.26	-8.94e-04	-3014.24	0.0	121.51	1484.20	-9.20	1711.20	2809.26	-6468.97
		-8756.97	1852.63	3.95e-04	0.0	99.8	121.51	-1530.03	-9.20	1711.20	1852.63	-8756.97
50	11	4.661e+04	4560.80	1.75e-03	-4717.16	0.0	-184.92	2321.56	-12.54	2542.61	4560.80	-1.042e+04
		-1.411e+04	3052.88	5.90e-04	0.0	99.8	-184.92	-2395.61	-12.54	2542.61	3052.88	-1.411e+04
50	19	3.008e+04	2918.51	9.29e-04	-3014.24	0.0	141.17	1482.44	-10.67	1818.83	2918.51	-6309.97
		-8774.04	1878.45	4.07e-04	0.0	99.8	141.17	-1531.80	-10.67	1818.83	1878.45	-8774.04
50	47	3.515e+04	6157.42	5.32e-03	-3267.20	0.0	-4316.38	1605.05	-35.17	8309.02	6157.42	-4212.44
		-7042.51	1085.01	6.33e-03	0.0	99.8	-4316.38	-1662.15	-35.17	8309.02	1085.01	-7042.51
50	48	2.949e+04	-540.09	-4.34e-03	-3267.20	0.0	3811.80	1616.02	31.56	-5426.84	-5618.81	-1.041e+04
		-1.217e+04	-5618.81	-7.03e-03	0.0	99.8	3811.80	-1651.18	31.56	-5426.84	-540.09	-1.217e+04
50	49	3.486e+04	7699.41	6.21e-03	-3267.20	0.0	-3545.97	1606.26	-57.02	9642.86	7699.41	-4551.66
		-7277.93	408.26	7.88e-03	0.0	99.8	-3545.97	-1660.95	-57.02	9642.86	408.26	-7277.93
50	50	2.920e+04	-1216.84	-3.49e-03	-3267.20	0.0	4582.21	1617.23	9.71	-4093.00	-4076.82	-1.075e+04
		-1.240e+04	-4076.82	-5.47e-03	0.0	99.8	4582.21	-1649.98	9.71	-4093.00	-1216.84	-1.240e+04
50	79	3.415e+04	5738.83	3.82e-03	-3267.20	0.0	-3050.58	1608.05	-33.43	6069.83	5738.83	-5356.98
		-7897.81	2486.38	5.07e-03	0.0	99.8	-3050.58	-1659.15	-33.43	6069.83	2486.38	-7897.81
50	80	3.051e+04	1781.13	-2.66e-03	-3267.20	0.0	2680.38	1614.43	26.19	-3208.20	-708.44	-9310.02
		-1.123e+04	-708.44	-5.10e-03	0.0	99.8	2680.38	-1652.77	26.19	-3208.20	1781.13	-1.123e+04
50	81	3.399e+04	6593.69	4.30e-03	-3267.20	0.0	-2632.69	1608.75	-45.50	6801.04	6593.69	-5548.66
		-8027.77	2124.08	5.92e-03	0.0	99.8	-2632.69	-1658.46	-45.50	6801.04	2124.08	-8027.77
50	82	3.035e+04	1418.82	-2.33e-03	-3267.20	0.0	3098.28	1615.13	14.13	-2477.00	146.42	-9501.69
		-1.136e+04	146.42	-4.26e-03	0.0	99.8	3098.28	-1652.08	14.13	-2477.00	1418.82	-1.136e+04
50	87	3.069e+04	2886.54	-8.97e-04	-3086.51	0.0	90.83	1519.79	-9.26	1739.48	2886.54	-6660.97
		-9004.09	1907.61	4.01e-04	0.0	99.8	90.83	-1566.72	-9.26	1739.48	1907.61	-9004.09
50	88	3.225e+04	2942.63	9.95e-04	-3267.20	0.0	23.85	1611.59	-9.65	1796.42	2942.63	-7429.34
		-9627.19	1952.60	4.09e-04	0.0	99.8	23.85	-1655.62	-9.65	1796.42	1952.60	-9627.19
50	89	3.069e+04	2886.54	-8.97e-04	-3086.51	0.0	90.83	1519.79	-9.26	1739.48	2886.54	-6660.97
		-9004.09	1907.61	4.01e-04	0.0	99.8	90.83	-1566.72	-9.26	1739.48	1907.61	-9004.09
50	91	3.589e+04	3073.49	1.25e-03	-3688.82	0.0	-132.45	1825.79	-10.57	1929.27	3073.49	-9222.20
		-1.108e+04	2057.60	4.27e-04	0.0	99.8	-132.45	-1863.03	-10.57	1929.27	2057.60	-1.108e+04
50	92	3.608e+04	3251.73	1.30e-03	-3688.82	0.0	-145.08	1822.10	-10.26	1947.18	3251.73	-8847.32
		-1.107e+04	2177.77	4.39e-04	0.0	99.8	-145.08	-1866.71	-10.26	1947.18	2177.77	-1.107e+04
50	95	3.471e+04	3373.89	1.24e-03	-3508.12	0.0	-90.72	1726.62	-9.55	1908.15	3373.89	-7704.07
		-1.044e+04	2252.95	4.42e-04	0.0	99.8	-90.72	-1781.51	-9.55	1908.15	2252.95	-1.044e+04
50	96	3.074e+04	2959.38	9.54e-04	-3086.51	0.0	103.94	1518.61	-10.24	1811.23	2959.38	-6554.97
		-9015.47	1924.82	4.09e-04	0.0	99.8	103.94	-1567.90	-10.24	1811.23	1924.82	-9015.47
50	100	3.069e+04	2886.54	-8.97e-04	-3086.51	0.0	90.83	1519.79	-9.26	1739.48	2886.54	-6660.97
		-9004.09	1907.61	4.01e-04	0.0	99.8	90.83	-1566.72	-9.26	1739.48	1907.61	-9004.09
50	101	3.329e+04	2980.02	1.07e-03	-3387.66	0.0	-20.81	1672.79	-9.91	1834.37	2980.02	-7941.58
		-1.004e+04	1982.60	4.14e-04	0.0	99.8	-20.81	-1714.88	-9.91	1834.37	1982.60	-1.004e+04
50	104	3.232e+04	3013.92	1.01e-03	-3267.20	0.0	18.80	1610.11	-9.53	1803.58	3013.92	-7279.39
		-9624.43	2000.67	4.14e-04	0.0	99.8	18.80	-1657.09	-9.53	1803.58	2000.67	-9624.43
50	105	3.069e+04	2886.54	-8.97e-04	-3086.51	0.0	90.83	1519.79	-9.26	1739.48	2886.54	-6660.97

		-9004.09	1907.61	4.01e-04	0.0	99.8	90.83	-1566.72	-9.26	1739.48	1907.61	-9004.09
50	106	3.225e+04	2942.63	9.95e-04	-3267.20	0.0	23.85	1611.59	-9.65	1796.42	2942.63	-7429.34
		-9627.19	1952.60	4.09e-04	0.0	99.8	23.85	-1655.62	-9.65	1796.42	1952.60	-9627.19
51	3	6.124e+04	4029.27	-2.31e-03	-5487.80	0.0	72.28	2761.27	-90.42	6961.66	4029.27	-1.507e+04
		-1.507e+04	1575.59	7.33e-04	0.0	109.8	72.28	-2726.53	-90.42	6961.66	1575.59	-1.316e+04
51	4	6.148e+04	4262.14	-2.31e-03	-5487.80	0.0	78.34	2765.52	-93.50	7188.42	4262.14	-1.506e+04
		-1.506e+04	1768.51	7.58e-04	0.0	109.8	78.34	-2722.28	-93.50	7188.42	1768.51	-1.268e+04
51	7	4.792e+04	3053.14	-1.80e-03	-4310.08	0.0	23.48	2166.29	-69.01	5327.42	3053.14	-1.187e+04
		-1.187e+04	1137.59	5.58e-04	0.0	109.8	23.48	-2143.78	-69.01	5327.42	1137.59	-1.064e+04
51	11	5.867e+04	4366.53	-2.25e-03	-5189.62	0.0	185.01	2622.58	-94.65	7231.62	4366.53	-1.411e+04
		-1.411e+04	1976.15	7.72e-04	0.0	109.8	185.01	-2567.04	-94.65	7231.62	1976.15	-1.106e+04
51	16	5.136e+04	3871.34	-2.09e-03	-4493.86	0.0	436.70	2276.30	-87.79	6630.08	3871.34	-1.196e+04
		-1.196e+04	1910.93	7.31e-04	0.0	109.8	436.70	-2217.56	-87.79	6630.08	1910.93	-8733.45
51	46	3.867e+04	-3778.97	-3.55e-03	-3594.44	0.0	3354.42	1812.40	-103.93	82.03	-3778.97	-1.158e+04
		-1.158e+04	-7392.49	-2.50e-03	0.0	109.8	3354.42	-1782.04	-103.93	82.03	-7392.49	-9778.97
51	47	4.348e+04	6076.75	6.34e-03	-3594.44	0.0	-3272.37	1819.86	-37.93	1.075e+04	6076.75	-7042.45
		-7042.45	4355.49	7.49e-03	0.0	109.8	-3272.37	-1774.58	-37.93	1.075e+04	4355.49	-4703.06
51	49	4.359e+04	6707.12	7.73e-03	-3594.44	0.0	-2813.52	1823.58	-50.83	1.210e+04	6707.12	-7277.87
		-7277.87	3467.56	9.24e-03	0.0	109.8	-2813.52	-1770.86	-50.83	1.210e+04	3467.56	-4247.14
51	50	3.765e+04	-4663.32	-5.17e-03	-3594.44	0.0	4022.43	1808.58	-85.10	-2552.17	-4663.32	-1.240e+04
		-1.240e+04	-6714.55	-6.38e-03	0.0	109.8	4022.43	-1785.86	-85.10	-2552.17	-6714.55	-1.101e+04
51	75	4.206e+04	5723.69	3.18e-03	-3594.44	0.0	-1878.40	1817.21	-34.22	7775.16	4231.37	-8349.33
		-8349.33	4231.37	3.93e-03	0.0	109.8	-1878.40	-1777.23	-34.22	7775.16	5723.69	-6228.69
51	78	3.922e+04	1353.69	-2.90e-03	-3594.44	0.0	2410.79	1810.63	-95.85	2091.65	1353.69	-1.091e+04
		-1.091e+04	-3298.71	-2.85e-03	0.0	109.8	2410.79	-1783.81	-95.85	2091.65	-3298.71	-9357.11
51	79	4.263e+04	5372.00	4.42e-03	-3594.44	0.0	-2245.43	1819.31	-44.51	9226.98	4727.27	-7897.76
		-7897.76	4727.27	6.06e-03	0.0	109.8	-2245.43	-1775.13	-44.51	9226.98	5372.00	-5550.29
51	81	4.269e+04	5070.65	5.17e-03	-3594.44	0.0	-2007.27	1821.37	-51.53	9968.29	5070.65	-8027.72
		-8027.72	4904.12	7.01e-03	0.0	109.8	-2007.27	-1773.07	-51.53	9968.29	4904.12	-5301.34
51	82	3.866e+04	857.79	-3.66e-03	-3594.44	0.0	2777.83	1808.52	-85.55	639.83	857.79	-1.136e+04
		-1.136e+04	-2947.02	-4.98e-03	0.0	109.8	2777.83	-1785.92	-85.55	639.83	-2947.02	-1.004e+04
51	87	3.861e+04	2706.87	-1.63e-03	-3395.65	0.0	333.27	1715.79	-63.75	4811.03	2706.87	-9004.07
		-9004.07	1222.30	5.29e-04	0.0	109.8	333.27	-1679.86	-63.75	4811.03	1222.30	-7030.29
51	88	4.064e+04	2792.53	-1.67e-03	-3594.44	0.0	266.20	1813.92	-65.03	4933.40	2792.53	-9627.17
		-9627.17	1212.49	5.36e-04	0.0	109.8	266.20	-1780.52	-65.03	4933.40	1212.49	-7792.90
51	91	4.539e+04	2992.41	-1.75e-03	-4058.28	0.0	109.68	2042.87	-68.02	5218.94	2992.41	-1.108e+04
		-1.108e+04	1189.60	5.54e-04	0.0	109.8	109.68	-2015.40	-68.02	5218.94	1189.60	-9572.32
51	92	4.556e+04	3147.66	-1.75e-03	-4058.28	0.0	113.72	2045.71	-70.07	5370.11	3147.66	-1.107e+04
		-1.107e+04	1318.21	5.71e-04	0.0	109.8	113.72	-2012.57	-70.07	5370.11	1318.21	-9254.47
51	95	4.368e+04	3217.25	-1.71e-03	-3859.49	0.0	184.84	1950.41	-70.84	5398.91	3217.25	-1.044e+04
		-1.044e+04	1456.64	5.80e-04	0.0	109.8	184.84	-1909.08	-70.84	5398.91	1456.64	-8174.00
51	97	3.881e+04	2887.12	-1.60e-03	-3395.65	0.0	352.63	1719.56	-66.26	4997.88	2887.12	-9008.55
		-9008.55	1413.16	5.52e-04	0.0	109.8	352.63	-1676.09	-66.26	4997.88	1413.16	-6621.51
51	101	4.200e+04	2849.64	-1.69e-03	-3726.96	0.0	221.48	1879.33	-65.89	5014.98	2849.64	-1.004e+04
		-1.004e+04	1205.95	5.41e-04	0.0	109.8	221.48	-1847.63	-65.89	5014.98	1205.95	-8301.31
51	102	3.867e+04	2768.97	-1.63e-03	-3395.65	0.0	334.89	1716.93	-64.57	4871.50	2768.97	-9001.31
		-9001.31	1273.75	5.36e-04	0.0	109.8	334.89	-1678.72	-64.57	4871.50	1273.75	-6903.15
51	104	4.071e+04	2854.63	-1.66e-03	-3594.44	0.0	267.81	1815.05	-65.85	4993.87	2854.63	-9624.41
		-9624.41	1263.94	5.43e-04	0.0	109.8	267.81	-1779.39	-65.85	4993.87	1263.94	-7665.76
51	105	3.861e+04	2706.87	-1.63e-03	-3395.65	0.0	333.27	1715.79	-63.75	4811.03	2706.87	-9004.07
		-9004.07	1222.30	5.29e-04	0.0	109.8	333.27	-1679.86	-63.75	4811.03	1222.30	-7030.29
51	106	4.064e+04	2792.53	-1.67e-03	-3594.44	0.0	266.20	1813.92	-65.03	4933.40	2792.53	-9627.17
		-9627.17	1212.49	5.36e-04	0.0	109.8	266.20	-1780.52	-65.03	4933.40	1212.49	-7792.90
52	3	6.613e+04	381.76	-2.71e-03	-5486.40	0.0	411.66	2815.75	-183.35	1.198e+04	381.76	-1.316e+04
		-1.316e+04	-5004.07	4.64e-04	0.0	109.8	411.66	-2670.66	-183.35	1.198e+04	-5004.07	-5193.24
52	4	6.741e+04	356.41	-2.79e-03	-5486.40	0.0	443.76	2830.28	-191.63	1.239e+04	356.41	-1.268e+04
		-1.268e+04	-5154.23	4.75e-04	0.0	109.8	443.76	-2656.12	-191.63	1.239e+04	-5154.23	-3119.96
52	7	5.118e+04	371.45	-2.06e-03	-4308.98	0.0	272.08	2203.10	-139.06	9159.71	371.45	-1.064e+04
		-1.064e+04	-3820.21	3.56e-04	0.0	109.8	272.08	-2105.87	-139.06	9159.71	-3820.21	-5297.55
52	9	6.003e+04	-437.51	-2.87e-03	-4492.72	0.0	844.92	2369.42	-188.36	1.178e+04	-437.51	-8393.04
		-8393.04	-5019.50	4.42e-04	0.0	109.8	844.92	-2123.30	-188.36	1.178e+04	-5019.50	5120.73
52	11	6.609e+04	100.48	-2.87e-03	-5188.30	0.0	586.58	2702.20	-196.44	1.249e+04	100.48	-1.106e+04
		-1.106e+04	-5218.92	4.74e-04	0.0	109.8	586.58	-2486.10	-196.44	1.249e+04	-5218.92	803.55
52	31	3.952e+04	-1081.29	-2.68e-03	-3593.52	0.0	-716.66	1757.45	-138.49	7954.45	-1081.29	-7669.53
		-1.195e+04	-5164.83	2.77e-03	0.0	109.8	-716.66	-1836.07	-138.49	7954.45	-5164.83	-1.195e+04
52	34	5.169e+04	-739.59	1.99e-03	-3593.52	0.0	1796.00	1976.57	-109.37	7701.20	-739.59	-7956.08
		-7956.08	-2774.75	-2.09e-03	0.0	109.8	1796.00	-1616.95	-109.37	7701.20	-2774.75	1.176e+04
52	47	4.395e+04	4683.88	6.78e-03	-3593.52	0.0	-2128.99	1784.29	-145.97	1.136e+04	4683.88	-4702.99
		-6048.27	-4985.38	8.14e-03	0.0	109.8	-2128.99	-1809.23	-145.97	1.136e+04	-4985.38	-6048.27
52	48	4.430e+04	-5964.20	-8.22e-03	-3593.52	0.0	2753.27	1911.86	-71.42	-266.03	-5964.20	-1.145e+04
		-1.145e+04	-9.29e-03	0.0	109.8	2753.27	-1681.67	-71.42	-266.03	-5964.20	1349.26	
52	49	4.727e+04	6153.65	8.71e-03	-3593.52	0.0	-1594.87	1838.15	-138.43	1.278e+04	6153.65	-4247.06
		-4247.06	-3490.62	9.92e-03	0.0	109.8	-1594.87	-1755.37	-138.43	1.278e+04	-3490.62	123.44
52	50	4.797e+04	-4469.44	-6.51e-03	-3593.52	0.0	3287.40	1965.71	-63.88	1155.03	-4469.44	-1.101e+04
		-1.101e+04	-9977.91	-7.51e-03	0.0	109.8	3287.40	-1627.81	-63.88	1155.03	-9977.91	-1.101e+04
52	66	4.842e+04	-13.16	-1.89e-03	-3593.52	0.0	1334.70	1924.65	-120.38	8307.33	-13.16	-8024.32
		-8024.32	-2721.60	-1.61e-03	0.0	109.8	1334.70	-1668.87	-120.38	8307.33	-2721.60	6002.14
52	72	4.451e+04	-4088.65	-4.27e-03	-3593.52	0.0	1903.99	1881.09	-107.15	4922.18	-4088.65	-9560.01
		-9560.01	-5511.56	-3.85e-03	0.0	109.8	1903.99	-1712.43	-107.15	4922.18	-5511.56	-78.34
52	79	4.463e+04	3566.19	4.63e-03	-3593.52	0.0	-1304.48	1812.17	-169.62	1.178e+04	3566.19	-5550.23

		-5550.23	-4668.13	6.58e-03	0.0	109.8	-1304.48	-1781.36	-169.62	1.178e+04	-4668.13	-3846.32
52	80	4.398e+04	-3444.69	-5.33e-03	-3593.52	0.0	2115.16	1885.75	-99.29	4466.51	-4737.16	-1.028e+04
		-1.028e+04	-4737.16	-6.90e-03	0.0	109.8	2115.16	-1707.78	-99.29	4466.51	-3444.69	-417.60
52	81	4.645e+04	4362.92	5.68e-03	-3593.52	0.0	-1026.39	1841.84	-165.62	1.256e+04	4362.92	-5301.28
		-5301.28	-3847.11	7.56e-03	0.0	109.8	-1026.39	-1751.68	-165.62	1.256e+04	-3847.11	-445.86
52	82	4.584e+04	-2623.66	-4.64e-03	-3593.52	0.0	2393.25	1915.42	-95.28	5250.46	-3940.43	-1.004e+04
		-1.004e+04	-3940.43	-5.93e-03	0.0	109.8	2393.25	-1678.10	-95.28	5250.46	-2623.66	2982.85
52	87	4.349e+04	-340.83	-2.08e-03	-3394.79	0.0	618.20	1768.71	-130.14	8311.97	-340.83	-7030.28
		-7030.28	-3588.92	3.17e-04	0.0	109.8	618.20	-1626.07	-130.14	8311.97	-3588.92	801.75
52	88	4.522e+04	-187.12	-2.08e-03	-3593.52	0.0	544.39	1863.79	-132.45	8514.34	-187.12	-7792.89
		-7792.89	-3645.90	3.26e-04	0.0	109.8	544.39	-1729.73	-132.45	8514.34	-3645.90	-431.73
52	91	4.925e+04	171.54	-2.07e-03	-4057.24	0.0	372.16	2085.65	-137.84	8986.56	171.54	-9572.30
		-9572.30	-3778.84	3.47e-04	0.0	109.8	372.16	-1971.59	-137.84	8986.56	-3778.84	-3309.85
52	92	5.010e+04	154.64	-2.12e-03	-4057.24	0.0	393.56	2095.34	-143.36	9256.93	154.64	-9254.45
		-9254.45	-3878.95	3.55e-04	0.0	109.8	393.56	-1961.90	-143.36	9256.93	-3878.95	-1927.67
52	93	4.519e+04	-374.64	-2.18e-03	-3394.79	0.0	661.00	1788.10	-141.18	8852.72	-374.64	-6394.57
		-6394.57	-3789.13	3.33e-04	0.0	109.8	661.00	-1606.69	-141.18	8852.72	-3789.13	3566.12
52	95	4.922e+04	-15.98	-2.18e-03	-3858.51	0.0	488.78	2009.95	-146.57	9324.93	-15.98	-8173.98
		-8173.98	-3922.07	3.54e-04	0.0	109.8	488.78	-1848.55	-146.57	9324.93	-3922.07	688.00
52	101	4.637e+04	-84.65	-2.07e-03	-3726.01	0.0	495.18	1927.18	-133.99	8649.26	-84.65	-8301.29
		-8301.29	-3683.88	3.32e-04	0.0	109.8	495.18	-1798.83	-133.99	8649.26	-3683.88	-1254.05
52	102	4.383e+04	-347.59	-2.10e-03	-3394.79	0.0	626.76	1772.59	-132.35	8420.12	-347.59	-6903.14
		-6903.14	-3628.96	3.20e-04	0.0	109.8	626.76	-1622.20	-132.35	8420.12	-3628.96	1354.62
52	104	4.556e+04	-193.88	-2.10e-03	-3593.52	0.0	552.95	1867.67	-134.66	8622.49	-193.88	-7665.75
		-7665.75	-3685.94	3.29e-04	0.0	109.8	552.95	-1725.85	-134.66	8622.49	-3685.94	121.14
52	105	4.349e+04	-340.83	-2.08e-03	-3394.79	0.0	618.20	1768.71	-130.14	8311.97	-340.83	-7030.28
		-7030.28	-3588.92	3.17e-04	0.0	109.8	618.20	-1626.07	-130.14	8311.97	-3588.92	801.75
52	106	4.522e+04	-187.12	-2.08e-03	-3593.52	0.0	544.39	1863.79	-132.45	8514.34	-187.12	-7792.89
		-7792.89	-3645.90	3.26e-04	0.0	109.8	544.39	-1729.73	-132.45	8514.34	-3645.90	-431.73
53	5	1.625e+05	68.67	-0.01	-2147.40	0.0	5.09	1462.24	-0.20	-1052.75	68.67	1.072e+05
		1.072e+05	47.66	8.10e-04	0.0	107.4	5.09	-685.16	-0.20	-1052.75	47.66	1.516e+05
53	7	1.626e+05	67.00	-0.01	-2147.40	0.0	18.42	1466.62	-0.17	-1013.28	67.00	1.069e+05
		1.069e+05	48.29	9.05e-04	0.0	107.4	18.42	-680.77	-0.17	-1013.28	48.29	1.518e+05
53	9	2.641e+05	111.23	-0.02	-3572.33	0.0	-18.05	2418.32	-0.37	-2049.18	111.23	1.735e+05
		1.735e+05	71.98	1.16e-03	0.0	107.4	-18.05	-1154.01	-0.37	-2049.18	71.98	2.454e+05
53	11	2.642e+05	110.06	-0.02	-3572.33	0.0	-8.72	2421.39	-0.35	-2021.56	110.06	1.733e+05
		1.733e+05	72.42	1.22e-03	0.0	107.4	-8.72	-1150.94	-0.35	-2021.56	72.42	2.456e+05
53	16	2.491e+05	115.65	-0.02	-3256.48	0.0	-2.34	2224.01	-0.39	-1563.53	115.65	1.647e+05
		1.647e+05	73.74	1.14e-03	0.0	107.4	-2.34	-1032.47	-0.39	-1563.53	73.74	2.327e+05
53	21	1.689e+05	80.92	-0.01	-2147.40	0.0	19.16	1480.00	-0.25	-817.76	80.92	1.121e+05
		1.121e+05	53.87	8.95e-04	0.0	107.4	19.16	-667.40	-0.25	-817.76	53.87	1.586e+05
53	28	1.777e+05	-28.09	-5.23e-03	-2212.19	0.0	1173.67	1296.60	1.56	4115.88	-139.58	1.333e+05
		1.333e+05	-139.58	-7.93e-03	0.0	107.4	1173.67	-915.58	1.56	4115.88	-28.09	1.598e+05
53	33	1.648e+05	255.78	-0.02	-2212.19	0.0	-1088.30	1731.89	-1.63	-7911.77	255.78	8.612e+04
		8.612e+04	124.87	-8.24e-03	0.0	107.4	-1088.30	-480.29	-1.63	-7911.77	124.87	1.607e+05
53	40	1.692e+05	-126.83	-0.01	-2212.19	0.0	1343.41	1415.73	8.84	1.056e+04	-1052.03	1.188e+05
		1.188e+05	-1052.03	0.02	0.0	107.4	1343.41	-796.46	8.84	1.056e+04	-126.83	1.549e+05
53	41	1.649e+05	1192.70	-0.01	-2212.19	0.0	-1332.38	1596.44	-9.25	-1.276e+04	1192.70	1.013e+05
		1.013e+05	223.89	-0.01	0.0	107.4	-1332.38	-615.75	-9.25	-1.276e+04	223.89	1.564e+05
53	43	1.687e+05	1271.60	-7.36e-03	-2212.19	0.0	-839.66	1467.37	-9.90	-1.037e+04	1271.60	1.151e+05
		1.151e+05	204.49	-0.02	0.0	107.4	-839.66	-744.82	-9.90	-1.037e+04	204.49	1.560e+05
53	46	1.651e+05	-107.43	-0.02	-2212.19	0.0	850.69	1544.80	9.50	8170.86	-1130.93	1.049e+05
		1.049e+05	-1130.93	0.02	0.0	107.4	850.69	-667.39	9.50	8170.86	-107.43	1.553e+05
53	60	1.725e+05	6.96	-7.54e-03	-2212.19	0.0	632.92	1390.63	0.76	1674.90	-45.86	1.228e+05
		1.228e+05	-45.86	-4.44e-03	0.0	107.4	632.92	-821.56	0.76	1674.90	6.96	1.577e+05
53	65	1.651e+05	171.89	-0.02	-2212.19	0.0	-578.61	1631.05	-0.97	-4764.16	171.89	9.682e+04
		9.682e+04	88.71	-3.71e-03	0.0	107.4	-578.61	-581.14	-0.97	-4764.16	88.71	1.582e+05
53	72	1.680e+05	-47.83	-0.01	-2212.19	0.0	688.28	1455.26	4.59	5003.50	-528.85	1.150e+05
		1.150e+05	-528.85	7.90e-03	0.0	107.4	688.28	-756.93	4.59	5003.50	-47.83	1.551e+05
53	73	1.658e+05	668.96	-0.01	-2212.19	0.0	-675.13	1557.42	-4.99	-7201.07	668.96	1.050e+05
		1.050e+05	145.15	-6.21e-03	0.0	107.4	-675.13	-654.76	-4.99	-7201.07	145.15	1.563e+05
53	75	1.680e+05	708.88	-8.99e-03	-2212.19	0.0	-404.53	1486.38	-5.33	-5885.46	708.88	1.126e+05
		1.126e+05	135.26	-6.78e-03	0.0	107.4	-404.53	-725.81	-5.33	-5885.46	135.26	1.561e+05
53	78	1.658e+05	-37.95	-0.01	-2212.19	0.0	417.68	1526.30	4.93	3687.89	-568.77	1.074e+05
		1.074e+05	-568.77	8.47e-03	0.0	107.4	417.68	-685.89	4.93	3687.89	-37.95	1.552e+05
53	87	1.669e+05	70.39	-0.01	-2212.19	0.0	3.91	1505.46	-0.20	-1106.68	70.39	1.101e+05
		1.101e+05	48.53	8.25e-04	0.0	107.4	3.91	-706.72	-0.20	-1106.68	48.53	1.556e+05
53	88	1.669e+05	70.05	-0.01	-2212.19	0.0	6.57	1506.34	-0.20	-1098.78	70.05	1.100e+05
		1.100e+05	48.66	8.44e-04	0.0	107.4	6.57	-705.85	-0.20	-1098.78	48.66	1.557e+05
53	89	1.669e+05	70.39	-0.01	-2212.19	0.0	3.91	1505.46	-0.20	-1106.68	70.39	1.101e+05
		1.101e+05	48.53	8.25e-04	0.0	107.4	3.91	-706.72	-0.20	-1106.68	48.53	1.556e+05
53	91	1.669e+05	69.27	-0.01	-2212.19	0.0	12.79	1508.38	-0.19	-1080.37	69.27	1.099e+05
		1.099e+05	48.95	8.88e-04	0.0	107.4	12.79	-703.80	-0.19	-1080.37	48.95	1.558e+05
53	93	1.954e+05	82.40	-0.01	-2633.32	0.0	-10.72	1784.13	-0.27	-1477.73	82.40	1.283e+05
		1.283e+05	53.88	8.71e-04	0.0	107.4	-10.72	-849.19	-0.27	-1477.73	53.88	1.817e+05
53	95	1.954e+05	81.62	-0.01	-2633.32	0.0	-4.50	1786.17	-0.26	-1459.31	81.62	1.283e+05
		1.283e+05	54.17	9.15e-04	0.0	107.4	-4.50	-847.15	-0.26	-1459.31	54.17	1.818e+05
53	97	1.854e+05	85.34	-0.01	-2422.75	0.0	-0.25	1654.59	-0.28	-1153.96	85.34	1.226e+05
		1.226e+05	55.05	8.60e-04	0.0	107.4	-0.25	-768.17	-0.28	-1153.96	55.05	1.732e+05
53	98	1.711e+05	78.55	-0.01	-2212.19	0.0	13.28	1517.30	-0.24	-950.02	78.55	1.133e+05

		1.133e+05	52.67	8.82e-04	0.0	107.4	13.28	-694.89	-0.24	-950.02	52.67	1.603e+05
53	100	1.669e+05	70.39	-0.01	-2212.19	0.0	3.91	1505.46	-0.20	-1106.68	70.39	1.101e+05
		1.101e+05	48.53	8.25e-04	0.0	107.4	3.91	-706.72	-0.20	-1106.68	48.53	1.556e+05
53	101	1.669e+05	69.83	-0.01	-2212.19	0.0	8.35	1506.92	-0.20	-1093.52	69.83	1.100e+05
		1.100e+05	48.74	8.57e-04	0.0	107.4	8.35	-705.26	-0.20	-1093.52	48.74	1.557e+05
53	102	1.726e+05	72.79	-0.01	-2296.41	0.0	0.98	1561.20	-0.22	-1180.89	72.79	1.137e+05
		1.137e+05	49.60	8.34e-04	0.0	107.4	0.98	-735.22	-0.22	-1180.89	49.60	1.608e+05
53	104	1.726e+05	72.45	-0.01	-2296.41	0.0	3.65	1562.07	-0.21	-1172.99	72.45	1.137e+05
		1.137e+05	49.73	8.53e-04	0.0	107.4	3.65	-734.34	-0.21	-1172.99	49.73	1.609e+05
53	105	1.669e+05	70.39	-0.01	-2212.19	0.0	3.91	1505.46	-0.20	-1106.68	70.39	1.149e+05
		1.101e+05	48.53	8.25e-04	0.0	107.4	3.91	-706.72	-0.20	-1106.68	48.53	1.556e+05
53	106	1.669e+05	70.05	-0.01	-2212.19	0.0	6.57	1506.34	-0.20	-1098.78	70.05	1.100e+05
		1.100e+05	48.66	8.44e-04	0.0	107.4	6.57	-705.85	-0.20	-1098.78	48.66	1.557e+05
54	7	1.449e+05	48.31	0.05	-3540.96	0.0	10.68	-257.54	-0.29	3427.04	48.31	1.449e+05
		-2.351e+05	-3.43	1.48e-03	0.0	177.1	10.68	-3798.50	-0.29	3427.04	-3.43	-2.351e+05
54	9	2.341e+05	72.00	0.08	-5890.60	0.0	-28.62	-368.46	-0.48	6457.09	72.00	2.341e+05
		-3.858e+05	-12.78	1.90e-03	0.0	177.1	-28.62	-6259.06	-0.48	6457.09	-12.78	-3.858e+05
54	11	2.343e+05	72.44	0.08	-5890.60	0.0	-19.28	-365.30	-0.47	6490.97	72.44	2.343e+05
		-3.850e+05	-11.06	2.01e-03	0.0	177.1	-19.28	-6255.91	-0.47	6490.97	-11.06	-3.850e+05
54	16	2.220e+05	73.76	0.08	-5369.78	0.0	-13.50	-426.35	-0.51	4660.62	73.76	2.220e+05
		-3.614e+05	-17.24	1.87e-03	0.0	177.1	-13.50	-5796.13	-0.51	4660.62	-17.24	-3.614e+05
54	18	2.221e+05	74.20	0.08	-5369.78	0.0	-4.15	-423.19	-0.51	4694.49	74.20	2.221e+05
		-3.606e+05	-15.51	1.98e-03	0.0	177.1	-4.15	-5792.98	-0.51	4694.49	-15.51	-3.606e+05
54	31	1.009e+05	71.69	0.05	-3647.79	0.0	338.80	-508.50	0.35	-1901.30	71.69	1.009e+05
		-3.330e+05	38.78	-1.30e-03	0.0	177.1	338.80	-4156.29	0.35	-1901.30	38.78	-3.330e+05
54	34	1.961e+05	26.53	0.05	-3647.79	0.0	-338.73	-18.44	-0.96	9045.47	26.53	1.961e+05
		-1.520e+05	-47.82	4.12e-03	0.0	177.1	-338.73	-3666.23	-0.96	9045.47	-47.82	-1.520e+05
54	40	1.549e+05	-126.75	0.05	-3647.79	0.0	1292.46	-318.59	-1.59	1.394e+04	-126.75	1.549e+05
		-2.467e+05	-299.34	0.03	0.0	177.1	1292.46	-3966.38	-1.59	1.394e+04	-299.34	-2.467e+05
54	41	1.420e+05	287.36	0.05	-3647.79	0.0	-1296.93	-208.27	0.97	-6812.73	223.83	1.420e+05
		-2.383e+05	223.83	-0.03	0.0	177.1	-1296.93	-3856.06	0.97	-6812.73	223.83	-2.383e+05
54	63	1.224e+05	62.91	0.05	-3647.79	0.0	196.94	-397.57	0.05	654.89	62.91	1.224e+05
		-2.920e+05	20.91	6.75e-04	0.0	177.1	196.94	-4045.36	0.05	654.89	20.91	-2.920e+05
54	66	1.746e+05	34.44	0.05	-3647.79	0.0	-199.39	-128.76	-0.66	6470.73	34.44	1.746e+05
		-1.929e+05	-32.24	2.09e-03	0.0	177.1	-199.39	-3776.55	-0.66	6470.73	-32.24	-1.929e+05
54	72	1.517e+05	-47.80	0.05	-3647.79	0.0	666.48	-295.19	-1.01	8953.13	-47.80	1.517e+05
		-2.457e+05	-173.47	0.01	0.0	177.1	666.48	-3942.98	-1.01	8953.13	-173.47	-2.457e+05
54	73	1.453e+05	162.14	0.05	-3647.79	0.0	-668.93	-231.14	0.39	-1827.51	145.14	1.453e+05
		-2.392e+05	145.14	-0.01	0.0	177.1	-668.93	-3878.93	0.39	-1827.51	162.14	-2.392e+05
54	87	1.484e+05	48.54	0.05	-3647.79	0.0	-3.89	-264.07	-0.31	3553.13	48.54	1.484e+05
		-2.427e+05	-6.16	1.35e-03	0.0	177.1	-3.89	-3911.86	-0.31	3553.13	-6.16	-2.427e+05
54	88	1.485e+05	48.67	0.05	-3647.79	0.0	-1.22	-263.16	-0.31	3562.81	48.67	1.485e+05
		-2.424e+05	-5.67	1.38e-03	0.0	177.1	-1.22	-3910.96	-0.31	3562.81	-5.67	-2.424e+05
54	91	1.486e+05	48.97	0.05	-3647.79	0.0	5.01	-261.06	-0.30	3585.39	48.97	1.486e+05
		-2.419e+05	-4.51	1.46e-03	0.0	177.1	5.01	-3908.85	-0.30	3585.39	-4.51	-2.419e+05
54	93	1.733e+05	53.89	0.06	-4342.22	0.0	-18.79	-279.51	-0.36	4662.15	53.89	1.733e+05
		-2.853e+05	-9.17	1.43e-03	0.0	177.1	-18.79	-4621.72	-0.36	4662.15	-9.17	-2.853e+05
54	95	1.734e+05	54.19	0.06	-4342.22	0.0	-12.56	-277.40	-0.35	4684.74	54.19	1.734e+05
		-2.847e+05	-8.02	1.50e-03	0.0	177.1	-12.56	-4619.62	-0.35	4684.74	-8.02	-2.847e+05
54	97	1.652e+05	55.06	0.06	-3995.00	0.0	-8.70	-318.10	-0.38	3464.50	55.06	1.652e+05
		-2.690e+05	-12.14	1.41e-03	0.0	177.1	-8.70	-4313.10	-0.38	3464.50	-12.14	-2.690e+05
54	99	1.653e+05	55.36	0.06	-3995.00	0.0	-2.47	-316.00	-0.37	3487.09	55.36	1.653e+05
		-2.685e+05	-10.99	1.49e-03	0.0	177.1	-2.47	-4311.00	-0.37	3487.09	-10.99	-2.685e+05
54	101	1.485e+05	48.76	0.05	-3647.79	0.0	0.56	-262.56	-0.31	3569.26	48.76	1.485e+05
		-2.423e+05	-5.34	1.41e-03	0.0	177.1	0.56	-3910.35	-0.31	3569.26	-5.34	-2.423e+05
54	102	1.534e+05	49.61	0.05	-3786.68	0.0	-6.87	-267.15	-0.32	3774.94	49.61	1.534e+05
		-2.512e+05	-6.76	1.37e-03	0.0	177.1	-6.87	-4053.83	-0.32	3774.94	-6.76	-2.512e+05
54	104	1.535e+05	49.74	0.05	-3786.68	0.0	-4.20	-266.25	-0.32	3784.62	49.74	1.535e+05
		-2.510e+05	-6.27	1.40e-03	0.0	177.1	-4.20	-4052.93	-0.32	3784.62	-6.27	-2.510e+05
54	105	1.484e+05	48.54	0.05	-3647.79	0.0	-3.89	-264.07	-0.31	3553.13	48.54	1.484e+05
		-2.427e+05	-6.16	1.35e-03	0.0	177.1	-3.89	-3911.86	-0.31	3553.13	-6.16	-2.427e+05
54	106	1.485e+05	48.67	0.05	-3647.79	0.0	-1.22	-263.16	-0.31	3562.81	48.67	1.485e+05
		-2.424e+05	-5.67	1.38e-03	0.0	177.1	-1.22	-3910.96	-0.31	3562.81	-5.67	-2.424e+05
55	5	-9.887e+04	45.24	2.06e-03	-753.84	0.0	64.22	2730.53	4.24	-232.10	-114.64	-1.916e+05
		-1.916e+05	-114.64	2.73e-04	0.0	37.7	64.22	1976.69	4.24	-232.10	45.24	-9.887e+04
55	11	-1.621e+05	67.79	3.33e-03	-1254.06	0.0	84.74	4475.96	6.57	-1816.65	-179.93	-3.135e+05
		-3.135e+05	-179.93	4.12e-04	0.0	37.7	84.74	3221.90	6.57	-1816.65	67.79	-1.621e+05
55	12	-1.255e+05	53.73	2.57e-03	-975.59	0.0	55.55	3475.11	5.22	-1510.44	-143.13	-2.431e+05
		-2.431e+05	-143.13	2.96e-04	0.0	37.7	55.55	2499.52	5.22	-1510.44	53.73	-1.255e+05
55	16	-1.514e+05	75.73	3.12e-03	-1143.18	0.0	84.79	4180.11	7.16	330.33	-194.20	-2.936e+05
		-2.936e+05	-194.20	3.83e-04	0.0	37.7	84.79	3036.93	7.16	330.33	75.73	-1.514e+05
55	17	-1.385e+05	70.28	2.89e-03	-1032.30	0.0	98.59	3812.61	6.55	1020.95	-176.54	-2.685e+05
		-2.685e+05	-176.54	3.95e-04	0.0	37.7	98.59	2780.30	6.55	1020.95	70.28	-1.385e+05
55	31	-9297.47	220.65	-2.80e-03	-776.58	0.0	324.29	2070.63	6.54	-8694.31	30.62	-7.627e+04
		-7.627e+04	30.62	-3.15e-04	0.0	37.7	324.29	1294.05	6.54	-8694.31	220.65	-9297.47
55	34	-1.942e+05	-130.32	7.03e-03	-776.58	0.0	-185.47	3545.95	1.97	8021.96	-261.31	-3.179e+05
		-3.179e+05	-261.31	8.95e-04	0.0	37.7	-185.47	2769.37	1.97	8021.96	-130.32	-1.942e+05
55	40	-9.698e+04	695.96	2.31e-03	-776.58	0.0	2119.29	2497.97	-40.99	8296.83	695.96	-1.825e+05
		-1.825e+05	-860.30	6.10e-03	0.0	37.7	2119.29	1721.39	-40.99	8296.83	-860.30	-9.698e+04
55	41	-1.065e+05	951.89	1.93e-03	-776.58	0.0	-1987.30	3118.84	49.60	-8990.13	-929.14	-2.116e+05

		-2.116e+05	-929.14	-5.54e-03	0.0	37.7	-1987.30	2342.26	49.60	-8990.13	951.89-1.065e+05
55	63	-5.118e+04	141.37	-5.02e-04	-776.58	0.0	222.13	2404.46	5.37	-4802.47	-30.51-1.310e+05
		-1.310e+05	-30.51	1.19e-04	0.0	37.7	222.13	1627.88	5.37	-4802.47	141.37-5.118e+04
55	66	-1.524e+05	-50.11	4.74e-03	-776.58	0.0	-87.89	3213.16	3.21	4117.22	-201.87-2.632e+05
		-2.632e+05	-201.87	4.51e-04	0.0	37.7	-87.89	2436.58	3.21	4117.22	-50.11-1.524e+05
55	72	-9.829e+04	311.59	2.20e-03	-776.58	0.0	1141.06	2633.07	-19.88	3970.70	311.59-1.879e+05
		-1.879e+05	-443.48	2.94e-03	0.0	37.7	1141.06	1856.49	-19.88	3970.70	-443.48-9.829e+04
55	73	-1.053e+05	534.74	2.03e-03	-776.58	0.0	-1006.82	2984.55	28.46	-4655.95	-543.98-2.063e+05
		-2.063e+05	-543.98	-2.37e-03	0.0	37.7	-1006.82	2207.97	28.46	-4655.95	534.74-1.053e+05
55	87	-1.017e+05	45.97	2.11e-03	-776.58	0.0	64.41	2807.44	4.33	-357.33	-117.17-1.969e+05
		-1.969e+05	-117.17	2.78e-04	0.0	37.7	64.41	2030.86	4.33	-357.33	45.97-1.017e+05
55	88	-1.018e+05	45.63	2.12e-03	-776.58	0.0	67.12	2808.81	4.29	-342.63	-116.19-1.971e+05
		-1.971e+05	-116.19	2.85e-04	0.0	37.7	67.12	2032.23	4.29	-342.63	45.63-1.018e+05
55	89	-1.017e+05	45.97	2.11e-03	-776.58	0.0	64.41	2807.44	4.33	-357.33	-117.17-1.969e+05
		-1.969e+05	-117.17	2.78e-04	0.0	37.7	64.41	2030.86	4.33	-357.33	45.97-1.017e+05
55	93	-1.194e+05	51.63	2.45e-03	-924.42	0.0	58.64	3303.83	4.98	-1209.56	-136.16-2.313e+05
		-2.313e+05	-136.16	2.93e-04	0.0	37.7	58.64	2379.41	4.98	-1209.56	51.63-1.194e+05
55	95	-1.197e+05	50.83	2.47e-03	-924.42	0.0	64.95	3307.02	4.90	-1175.26	-133.89-2.317e+05
		-2.317e+05	-133.89	3.09e-04	0.0	37.7	64.95	2382.60	4.90	-1175.26	50.83-1.197e+05
55	97	-1.126e+05	56.12	2.33e-03	-850.50	0.0	64.99	3109.79	5.29	256.07	-143.40-2.184e+05
		-2.184e+05	-143.40	2.89e-04	0.0	37.7	64.99	2259.29	5.29	256.07	56.12-1.126e+05
55	98	-1.041e+05	52.50	2.17e-03	-776.58	0.0	74.19	2864.79	4.88	716.48	-131.63-2.017e+05
		-2.017e+05	-131.63	2.97e-04	0.0	37.7	74.19	2088.20	4.88	716.48	52.50-1.041e+05
55	100	-1.017e+05	45.97	2.11e-03	-776.58	0.0	64.41	2807.44	4.33	-357.33	-117.17-1.969e+05
		-1.969e+05	-117.17	2.78e-04	0.0	37.7	64.41	2030.86	4.33	-357.33	45.97-1.017e+05
55	101	-1.019e+05	45.40	2.12e-03	-776.58	0.0	68.92	2809.72	4.27	-332.83	-115.54-1.973e+05
		-1.973e+05	-115.54	2.89e-04	0.0	37.7	68.92	2033.14	4.27	-332.83	45.40-1.019e+05
55	102	-1.052e+05	47.10	2.18e-03	-806.15	0.0	63.26	2906.72	4.46	-527.77	-120.97-2.038e+05
		-2.038e+05	-120.97	2.81e-04	0.0	37.7	63.26	2100.57	4.46	-527.77	47.10-1.052e+05
55	104	-1.053e+05	46.76	2.19e-03	-806.15	0.0	65.96	2908.09	4.42	-513.07	-119.99-2.040e+05
		-2.040e+05	-119.99	2.88e-04	0.0	37.7	65.96	2101.94	4.42	-513.07	46.76-1.053e+05
55	105	-1.017e+05	45.97	2.11e-03	-776.58	0.0	64.41	2807.44	4.33	-357.33	-117.17-1.969e+05
		-1.969e+05	-117.17	2.78e-04	0.0	37.7	64.41	2030.86	4.33	-357.33	45.97-1.017e+05
55	106	-1.018e+05	45.63	2.12e-03	-776.58	0.0	67.12	2808.81	4.29	-342.63	-116.19-1.971e+05
		-1.971e+05	-116.19	2.85e-04	0.0	37.7	67.12	2032.23	4.29	-342.63	45.63-1.018e+05
56	7	2.696e+04	67.56	-3.83e-03	-2155.34	0.0	42.43	2160.74	0.22	-1787.67	43.56-9.713e+04
		-9.713e+04	43.56	8.81e-04	0.0	107.8	42.43	5.41	0.22	-1787.67	67.56-2.696e+04
56	9	4.423e+04	86.79	-6.36e-03	-3585.54	0.0	29.36	3559.35	0.16	-3398.80	69.03-1.579e+05
		-1.579e+05	69.03	1.12e-03	0.0	107.8	29.36	-26.18	0.16	-3398.80	86.79-4.423e+04
56	11	4.416e+04	89.87	-6.36e-03	-3585.54	0.0	36.36	3562.48	0.20	-3377.29	67.83-1.583e+05
		-1.583e+05	67.83	1.19e-03	0.0	107.8	36.36	-23.05	0.20	-3377.29	89.87-4.416e+04
56	12	3.440e+04	66.29	-4.95e-03	-2789.37	0.0	20.59	2767.47	0.12	-2660.33	53.76-1.226e+05
		-1.226e+05	53.76	8.53e-04	0.0	107.8	20.59	-21.90	0.12	-2660.33	66.29-3.440e+04
56	17	3.835e+04	100.50	-5.38e-03	-2951.50	0.0	53.15	2987.48	0.28	-2143.43	70.32-1.351e+05
		-1.351e+05	70.32	1.14e-03	0.0	107.8	53.15	35.97	0.28	-2143.43	100.50-3.835e+04
56	18	4.202e+04	102.06	-5.94e-03	-3268.52	0.0	47.22	3293.08	0.25	-2564.39	74.57-1.481e+05
		-1.481e+05	74.57	1.17e-03	0.0	107.8	47.22	24.56	0.25	-2564.39	102.06-4.202e+04
56	31	6.322e+04	220.64	-4.21e-03	-2220.36	0.0	288.58	1859.97	-0.18	-2731.18	220.64-2.696e+04
		-2.696e+04	216.43	-8.76e-04	0.0	107.8	288.58	-360.39	-0.18	-2731.18	216.43-6.114e+04
56	34	-5567.73	-85.57	-4.14e-03	-2220.36	0.0	-217.89	2579.66	0.56	-1043.25	-130.24-1.717e+05
		-1.717e+05	-130.24	2.55e-03	0.0	107.8	-217.89	359.30	0.56	-1043.25	-85.57-5567.73
56	40	1.328e+04	-784.84	-3.11e-03	-2220.36	0.0	1724.36	2022.30	2.85	8632.68	-859.91-9.445e+04
		-9.445e+04	-859.91	0.02	0.0	107.8	1724.36	-198.06	2.85	8632.68	-784.84-1.298e+04
56	41	4.261e+04	951.55	-4.78e-03	-2220.36	0.0	-1657.93	2417.58	-2.50	-1.243e+04	951.55-1.042e+05
		-1.042e+05	913.53	-0.02	0.0	107.8	-1657.93	197.22	-2.50	-1.243e+04	913.53-4.261e+04
56	63	4.646e+04	152.23	-3.90e-03	-2220.36	0.0	182.71	2022.94	0.03	-2238.43	141.39-5.978e+04
		-5.978e+04	141.39	3.54e-04	0.0	107.8	182.71	-197.43	0.03	-2238.43	152.23-4.607e+04
56	66	9509.05	-22.81	-4.05e-03	-2220.36	0.0	-114.68	2417.48	0.32	-1553.86	-50.07-1.389e+05
		-1.389e+05	-50.07	1.29e-03	0.0	107.8	-114.68	197.12	0.32	-1553.86	-22.81-9509.05
56	72	1.987e+04	-414.17	-3.46e-03	-2220.36	0.0	929.17	2108.76	1.44	3510.09	-443.31-9.589e+04
		-9.589e+04	-443.31	8.40e-03	0.0	107.8	929.17	-111.60	1.44	3510.09	-414.17-1.987e+04
56	73	3.570e+04	543.59	-4.43e-03	-2220.36	0.0	-861.14	2331.66	-1.08	-7302.38	534.62-1.028e+05
		-1.028e+05	534.62	-6.76e-03	0.0	107.8	-861.14	111.29	-1.08	-7302.38	543.59-3.570e+04
56	87	2.781e+04	63.83	-3.94e-03	-2220.36	0.0	32.02	2219.31	0.17	-1902.29	46.00-9.923e+04
		-9.923e+04	46.00	8.02e-04	0.0	107.8	32.02	-1.05	0.17	-1902.29	63.83-2.781e+04
56	88	2.779e+04	64.71	-3.94e-03	-2220.36	0.0	34.02	2220.21	0.18	-1896.15	45.66-9.935e+04
		-9.935e+04	45.66	8.20e-04	0.0	107.8	34.02	-0.16	0.18	-1896.15	64.71-2.779e+04
56	91	2.774e+04	66.77	-3.95e-03	-2220.36	0.0	38.68	2222.30	0.20	-1881.81	44.86-9.965e+04
		-9.965e+04	44.86	8.64e-04	0.0	107.8	38.68	1.93	0.20	-1881.81	66.77-2.774e+04
56	93	3.270e+04	65.92	-4.69e-03	-2643.05	0.0	24.12	2626.78	0.13	-2463.58	51.66-1.167e+05
		-1.167e+05	51.66	8.45e-04	0.0	107.8	24.12	-16.27	0.13	-2463.58	65.92-3.270e+04
56	95	3.265e+04	67.98	-4.69e-03	-2643.05	0.0	28.79	2628.87	0.16	-2449.24	50.87-1.170e+05
		-1.170e+05	50.87	8.89e-04	0.0	107.8	28.79	-14.18	0.16	-2449.24	67.98-3.265e+04
56	98	2.878e+04	75.06	-4.03e-03	-2220.36	0.0	39.98	2245.53	0.21	-1626.66	52.53-1.015e+05
		-1.015e+05	52.53	8.56e-04	0.0	107.8	39.98	25.17	0.21	-1626.66	75.06-2.878e+04
56	99	3.122e+04	76.10	-4.41e-03	-2431.71	0.0	36.03	2449.26	0.19	-1907.31	55.36-1.102e+05
		-1.102e+05	55.36	8.78e-04	0.0	107.8	36.03	17.55	0.19	-1907.31	76.10-3.122e+04
56	101	2.777e+04	65.30	-3.94e-03	-2220.36	0.0	35.35	2220.80	0.18	-1892.05	45.43-9.944e+04
		-9.944e+04	45.43	8.33e-04	0.0	107.8	35.35	0.44	0.18	-1892.05	65.30-2.777e+04
56	102	2.879e+04	64.25	-4.09e-03	-2304.90	0.0	30.44	2300.81	0.16	-2014.55	47.13-1.027e+05

		-1.027e+05	47.13	8.10e-04	0.0	107.8	30.44	-4.09	0.16	-2014.55	64.25	2.879e+04
56	104	2.877e+04	65.13	-4.09e-03	-2304.90	0.0	32.44	2301.70	0.17	-2008.40	46.79	-1.028e+05
		-1.028e+05	46.79	8.29e-04	0.0	107.8	32.44	-3.20	0.17	-2008.40	65.13	2.877e+04
56	105	2.781e+04	63.83	-3.94e-03	-2220.36	0.0	32.02	2219.31	0.17	-1902.29	46.00	-9.923e+04
		-9.923e+04	46.00	8.02e-04	0.0	107.8	32.02	-1.05	0.17	-1902.29	63.83	2.781e+04
56	106	2.779e+04	64.71	-3.94e-03	-2220.36	0.0	34.02	2220.21	0.18	-1896.15	45.66	-9.935e+04
		-9.935e+04	45.66	8.20e-04	0.0	107.8	34.02	-0.16	0.18	-1896.15	64.71	2.779e+04
57	5	2.999e+04	113.61	1.14e-03	-2199.69	0.0	6.89	339.88	0.46	2286.42	63.17	2.779e+04
		-6.046e+04	63.17	8.09e-04	0.0	110.0	6.89	-1859.81	0.46	2286.42	113.61	-6.046e+04
57	9	4.965e+04	173.10	1.92e-03	-3659.32	0.0	-7.99	599.51	0.78	4230.83	86.81	4.545e+04
		-9.705e+04	86.81	1.15e-03	0.0	110.0	-7.99	-3059.80	0.78	4230.83	173.10	-9.705e+04
57	18	4.644e+04	179.48	1.77e-03	-3335.78	0.0	9.33	511.61	0.70	3307.06	102.09	4.317e+04
		-9.122e+04	102.09	1.20e-03	0.0	110.0	9.33	-2824.17	0.70	3307.06	179.48	-9.122e+04
57	21	3.109e+04	130.00	1.17e-03	-2199.69	0.0	16.81	315.44	0.45	1869.76	80.01	2.928e+04
		-6.213e+04	80.01	8.93e-04	0.0	110.0	16.81	-1884.25	0.45	1869.76	130.00	-6.213e+04
57	32	1.922e+04	-190.67	4.49e-03	-2266.05	0.0	804.05	-21.64	1.19	7888.56	-267.84	1.922e+04
		-1.117e+05	-267.84	0.01	0.0	110.0	804.05	-2287.70	1.19	7888.56	-190.67	-1.117e+05
57	40	8902.12	-647.68	-8.14e-04	-2266.05	0.0	1100.42	152.15	2.08	1.261e+04	-784.60	8580.77
		-1.031e+05	-784.60	0.02	0.0	110.0	1100.42	-2113.91	2.08	1.261e+04	-647.68	-1.031e+05
57	41	5.459e+04	913.32	3.15e-03	-2266.05	0.0	-1086.68	555.61	-1.14	-7812.44	913.32	4.851e+04
		-2.065e+04	880.38	-0.02	0.0	110.0	-1086.68	-1710.45	-1.14	-7812.44	880.38	-2.065e+04
57	64	2.371e+04	-55.44	2.95e-03	-2266.05	0.0	439.27	146.66	0.85	5303.88	-121.33	2.347e+04
		-8.943e+04	-121.33	5.70e-03	0.0	110.0	439.27	-2119.40	0.85	5303.88	-55.44	-8.943e+04
57	72	1.857e+04	-313.92	3.54e-04	-2266.05	0.0	590.54	240.46	1.35	7631.76	-414.06	1.768e+04
		-8.501e+04	-414.06	8.51e-03	0.0	110.0	590.54	-2025.59	1.35	7631.76	-313.92	-8.501e+04
57	73	4.374e+04	547.23	2.23e-03	-2266.05	0.0	-575.72	467.82	-0.40	-2835.64	543.51	3.940e+04
		-3.873e+04	543.51	-6.82e-03	0.0	110.0	-575.72	-1798.23	-0.40	-2835.64	547.23	-3.873e+04
57	87	3.088e+04	115.95	1.17e-03	-2266.05	0.0	5.96	353.25	0.47	2392.62	63.84	2.856e+04
		-6.196e+04	63.84	8.23e-04	0.0	110.0	5.96	-1912.80	0.47	2392.62	115.95	-6.196e+04
57	88	3.087e+04	116.66	1.17e-03	-2266.05	0.0	7.41	354.14	0.47	2398.06	64.72	2.854e+04
		-6.187e+04	64.72	8.42e-04	0.0	110.0	7.41	-1911.91	0.47	2398.06	116.66	-6.187e+04
57	89	3.088e+04	115.95	1.17e-03	-2266.05	0.0	5.96	353.25	0.47	2392.62	63.84	2.856e+04
		-6.196e+04	63.84	8.23e-04	0.0	110.0	5.96	-1912.80	0.47	2392.62	115.95	-6.196e+04
57	93	3.663e+04	129.30	1.41e-03	-2697.44	0.0	-3.91	437.86	0.58	3068.77	65.94	3.359e+04
		-7.196e+04	65.94	8.70e-04	0.0	110.0	-3.91	-2259.58	0.58	3068.77	129.30	-7.196e+04
57	98	3.161e+04	126.88	1.20e-03	-2266.05	0.0	12.57	336.96	0.47	2114.85	75.07	2.955e+04
		-6.307e+04	75.07	8.80e-04	0.0	110.0	12.57	-1929.10	0.47	2114.85	126.88	-6.307e+04
57	99	3.449e+04	133.55	1.31e-03	-2481.75	0.0	7.64	379.26	0.52	2452.92	76.12	3.207e+04
		-6.807e+04	76.12	9.03e-04	0.0	110.0	7.64	-2102.49	0.52	2452.92	133.55	-6.807e+04
57	100	3.088e+04	115.95	1.17e-03	-2266.05	0.0	5.96	353.25	0.47	2392.62	63.84	2.856e+04
		-6.196e+04	63.84	8.23e-04	0.0	110.0	5.96	-1912.80	0.47	2392.62	115.95	-6.196e+04
57	101	3.087e+04	117.13	1.16e-03	-2266.05	0.0	8.38	354.74	0.47	2401.69	65.31	2.853e+04
		-6.181e+04	65.31	8.55e-04	0.0	110.0	8.38	-1911.32	0.47	2401.69	117.13	-6.181e+04
57	102	3.203e+04	118.62	1.22e-03	-2352.33	0.0	3.98	370.18	0.49	2527.85	64.26	2.956e+04
		-6.396e+04	64.26	8.33e-04	0.0	110.0	3.98	-1982.16	0.49	2527.85	118.62	-6.396e+04
57	104	3.202e+04	119.33	1.22e-03	-2352.33	0.0	5.44	371.06	0.49	2533.29	65.14	2.955e+04
		-6.387e+04	65.14	8.52e-04	0.0	110.0	5.44	-1981.27	0.49	2533.29	119.33	-6.387e+04
57	105	3.088e+04	115.95	1.17e-03	-2266.05	0.0	5.96	353.25	0.47	2392.62	63.84	2.856e+04
		-6.196e+04	63.84	8.23e-04	0.0	110.0	5.96	-1912.80	0.47	2392.62	115.95	-6.196e+04
57	106	3.087e+04	116.66	1.17e-03	-2266.05	0.0	7.41	354.14	0.47	2398.06	64.72	2.854e+04
		-6.187e+04	64.72	8.42e-04	0.0	110.0	7.41	-1911.91	0.47	2398.06	116.66	-6.187e+04
58	7	-6.348e+04	117.17	-6.51e-03	-1489.25	0.0	33.80	-1536.29	-3.91	3856.59	117.17	-6.348e+04
		-2.411e+05	-173.80	6.25e-04	0.0	74.5	33.80	-3025.54	-3.91	3856.59	-173.80	-2.411e+05
58	9	-1.025e+05	173.12	-0.01	-2477.46	0.0	17.48	-2482.25	-6.00	7670.74	173.12	-1.025e+05
		-3.917e+05	-273.81	8.04e-04	0.0	74.5	17.48	-4959.71	-6.00	7670.74	-273.81	-3.917e+05
58	12	-7.965e+04	133.66	-8.04e-03	-1927.34	0.0	11.49	-1929.34	-4.65	6000.95	133.66	-7.965e+04
		-3.045e+05	-212.51	6.12e-04	0.0	74.5	11.49	-3856.68	-4.65	6000.95	-212.51	-3.045e+05
58	17	-8.882e+04	169.49	-9.10e-03	-2039.37	0.0	42.09	-2170.07	-5.74	4085.48	169.49	-8.882e+04
		-3.376e+05	-258.19	8.12e-04	0.0	74.5	42.09	-4209.45	-5.74	4085.48	-258.19	-3.376e+05
58	18	-9.666e+04	179.50	-9.85e-03	-2258.42	0.0	35.59	-2363.70	-6.14	5186.72	179.50	-9.666e+04
		-3.688e+05	-277.66	8.37e-04	0.0	74.5	35.59	-4622.12	-6.14	5186.72	-277.66	-3.688e+05
58	32	-1.372e+05	-190.52	-0.01	-1534.18	0.0	869.01	-2208.84	-1.94	3701.57	-190.52	-1.372e+05
		-3.666e+05	-213.19	7.10e-03	0.0	74.5	869.01	-3743.02	-1.94	3701.57	-213.19	-3.666e+05
58	33	6282.82	425.27	1.34e-03	-1534.18	0.0	-815.29	-952.45	-6.00	4395.25	425.27	6282.82
		-1.299e+05	-142.94	-5.91e-03	0.0	74.5	-815.29	-2486.63	-6.00	4395.25	-142.94	-1.299e+05
58	40	-1.108e+05	-584.61	-0.02	-1534.18	0.0	1731.58	-1822.30	0.40	1.341e+04	-584.61	-1.108e+05
		-3.109e+05	-647.36	0.01	0.0	74.5	1731.58	-3356.49	0.40	1.341e+04	-647.36	-3.109e+05
58	41	-2.013e+04	880.11	2.63e-03	-1534.18	0.0	-1681.51	-1338.76	-8.30	-5338.76	880.11	-2.013e+04
		-1.856e+05	229.43	-0.01	0.0	74.5	-1681.51	-2872.94	-8.30	-5338.76	229.43	-1.856e+05
58	42	-7.265e+04	-563.95	-0.01	-1534.18	0.0	1417.08	-1463.03	-0.25	1.619e+04	-563.95	-7.265e+04
		-2.460e+05	-649.91	0.01	0.0	74.5	1417.08	-2997.21	-0.25	1.619e+04	-649.91	-2.460e+05
58	64	-1.051e+05	-55.36	-0.01	-1534.18	0.0	479.81	-1927.18	-2.76	3729.79	-55.36	-1.051e+05
		-3.136e+05	-193.96	3.85e-03	0.0	74.5	479.81	-3461.36	-2.76	3729.79	-193.96	-3.136e+05
58	65	-2.579e+04	288.71	-2.50e-03	-1534.18	0.0	-428.29	-1233.19	-5.14	4351.48	288.71	-2.579e+04
		-1.827e+05	-161.29	-2.68e-03	0.0	74.5	-428.29	-2767.37	-5.14	4351.48	-161.29	-1.827e+05
58	72	-9.091e+04	-313.77	-0.01	-1534.18	0.0	937.40	-1717.23	-1.28	8779.75	-313.77	-9.091e+04
		-2.837e+05	-390.48	5.74e-03	0.0	74.5	937.40	-3251.41	-1.28	8779.75	-390.48	-2.837e+05
58	73	-3.996e+04	547.12	-1.91e-03	-1534.18	0.0	-885.88	-1443.13	-6.63	-698.48	547.12	-3.996e+04
		-2.126e+05	35.24	-4.57e-03	0.0	74.5	-885.88	-2977.32	-6.63	-698.48	35.24	-2.126e+05
58	74	-6.992e+04	-268.17	-9.48e-03	-1534.18	0.0	764.27	-1519.45	-1.63	1.030e+04	-268.17	-6.992e+04

		-2.480e+05	-426.22	7.35e-03	0.0	74.5	764.27	-3053.63	-1.63	1.030e+04	-426.22	-2.480e+05
58	87	-6.553e+04	115.97	-6.71e-03	-1534.18	0.0	23.90	-1581.34	-3.94	4029.01	115.97	-6.553e+04
		-2.484e+05	-177.58	5.72e-04	0.0	74.5	23.90	-3115.53	-3.94	4029.01	-177.58	-2.484e+05
58	88	-6.543e+04	116.68	-6.70e-03	-1534.18	0.0	25.76	-1580.18	-3.95	4040.64	116.68	-6.543e+04
		-2.482e+05	-177.62	5.85e-04	0.0	74.5	25.76	-3114.37	-3.95	4040.64	-177.62	-2.482e+05
58	91	-6.521e+04	118.33	-6.68e-03	-1534.18	0.0	30.11	-1577.48	-3.98	4067.76	118.33	-6.521e+04
		-2.477e+05	-177.73	6.14e-04	0.0	74.5	30.11	-3111.66	-3.98	4067.76	-177.73	-2.477e+05
58	93	-7.599e+04	129.32	-7.70e-03	-1826.25	0.0	15.23	-1839.51	-4.47	5497.33	129.32	-7.599e+04
		-2.900e+05	-203.54	6.06e-04	0.0	74.5	15.23	-3665.75	-4.47	5497.33	-203.54	-2.900e+05
58	98	-6.690e+04	126.90	-6.86e-03	-1534.18	0.0	31.64	-1631.39	-4.30	3107.16	126.90	-6.690e+04
		-2.539e+05	-193.13	6.11e-04	0.0	74.5	31.64	-3165.58	-4.30	3107.16	-193.13	-2.539e+05
58	99	-7.213e+04	133.57	-7.36e-03	-1680.21	0.0	27.31	-1760.48	-4.56	3841.32	133.57	-7.213e+04
		-2.748e+05	-206.11	6.28e-04	0.0	74.5	27.31	-3440.69	-4.56	3841.32	-206.11	-2.748e+05
58	101	-6.537e+04	117.15	-6.69e-03	-1534.18	0.0	27.00	-1579.41	-3.96	4048.39	117.15	-6.537e+04
		-2.480e+05	-177.66	5.93e-04	0.0	74.5	27.00	-3113.59	-3.96	4048.39	-177.66	-2.480e+05
58	102	-6.762e+04	118.64	-6.90e-03	-1592.60	0.0	22.17	-1632.97	-4.05	4322.68	118.64	-6.762e+04
		-2.567e+05	-182.77	5.79e-04	0.0	74.5	22.17	-3225.57	-4.05	4322.68	-182.77	-2.567e+05
58	104	-6.753e+04	119.35	-6.89e-03	-1592.60	0.0	24.03	-1631.82	-4.06	4334.30	119.35	-6.753e+04
		-2.565e+05	-182.82	5.91e-04	0.0	74.5	24.03	-3224.41	-4.06	4334.30	-182.82	-2.565e+05
58	105	-6.553e+04	115.97	-6.71e-03	-1534.18	0.0	23.90	-1581.34	-3.94	4029.01	115.97	-6.553e+04
		-2.484e+05	-177.58	5.72e-04	0.0	74.5	23.90	-3115.53	-3.94	4029.01	-177.58	-2.484e+05
58	106	-6.543e+04	116.68	-6.70e-03	-1534.18	0.0	25.76	-1580.18	-3.95	4040.64	116.68	-6.543e+04
		-2.482e+05	-177.62	5.85e-04	0.0	74.5	25.76	-3114.37	-3.95	4040.64	-177.62	-2.482e+05
59	5	3647.32	9762.23	2.66e-03	-459.21	0.0	745.28	-460.23	-228.59	3.349e+04	9762.23	3647.32
		-6.193e+04	-801.72	9.86e-04	0.0	120.0	745.28	-919.45	-228.59	3.349e+04	-801.72	-6.193e+04
59	9	1.180e+04	1.617e+04	4.25e-03	-663.13	0.0	1147.75	-727.47	-372.18	5.467e+04	1.617e+04	1.180e+04
		-8.719e+04	-1062.21	1.42e-03	0.0	120.0	1147.75	-1390.60	-372.18	5.467e+04	-1062.21	-8.719e+04
59	11	1.176e+04	1.612e+04	4.36e-03	-663.13	0.0	1148.04	-729.94	-371.24	5.451e+04	1.612e+04	1.176e+04
		-8.765e+04	-1062.53	1.49e-03	0.0	120.0	1148.04	-1393.07	-371.24	5.451e+04	-1062.53	-8.765e+04
59	18	3902.66	1.502e+04	4.16e-03	-636.37	0.0	1140.59	-711.92	-352.75	5.177e+04	1.502e+04	3902.66
		-9.268e+04	-1297.28	1.47e-03	0.0	120.0	1140.59	-1348.29	-352.75	5.177e+04	-1297.28	-9.268e+04
59	26	-5.812e+04	5987.76	0.03	-464.70	0.0	690.80	-653.22	-214.95	7081.71	5987.76	-5.812e+04
		-2.385e+05	-2602.02	9.26e-03	0.0	120.0	690.80	-1117.92	-214.95	7081.71	-2602.02	-2.385e+05
59	31	5.911e+04	1.417e+04	-0.03	-464.70	0.0	819.79	-171.55	-254.94	6.218e+04	1.417e+04	5.911e+04
		-219.95	966.93	-5.98e-03	0.0	120.0	819.79	-636.26	-254.94	6.218e+04	966.93	-219.95
59	39	3.142e+05	1.226e+04	-0.13	-464.70	0.0	886.89	1321.71	-241.19	4.536e+04	1.226e+04	3.142e+05
		1.382e+05	877.35	-0.02	0.0	120.0	886.89	857.01	-241.19	4.536e+04	877.35	1.382e+05
59	42	-1.298e+05	7815.34	0.14	-464.70	0.0	633.39	-2264.73	-227.88	2.337e+04	7815.34	-1.298e+05
		-4.394e+05	-2484.05	0.02	0.0	120.0	633.39	-2729.43	-227.88	2.337e+04	-2484.05	-4.394e+05
59	58	-3.023e+04	7813.98	0.02	-464.70	0.0	721.77	-565.23	-223.04	1.938e+04	7813.98	-3.023e+04
		-1.587e+05	-1775.88	5.02e-03	0.0	120.0	721.77	-1029.93	-223.04	1.938e+04	-1775.88	-1.587e+05
59	63	3.456e+04	1.230e+04	-0.02	-464.70	0.0	792.75	-311.40	-246.21	4.961e+04	1.230e+04	3.456e+04
		-2.879e+04	155.88	-2.31e-03	0.0	120.0	792.75	-776.10	-246.21	4.961e+04	155.88	-2.879e+04
59	71	1.431e+05	1.122e+04	-0.07	-464.70	0.0	829.24	498.98	-239.80	4.024e+04	1.122e+04	1.431e+05
		7.841e+04	72.76	-0.01	0.0	120.0	829.24	34.28	-239.80	4.024e+04	72.76	1.431e+05
59	74	-6.997e+04	8847.16	0.08	-464.70	0.0	691.23	-1442.76	-229.12	2.846e+04	8847.16	-6.997e+04
		-2.684e+05	-1679.76	0.01	0.0	120.0	691.23	-1907.46	-229.12	2.846e+04	-1679.76	-2.684e+05
59	87	4229.72	1.005e+04	2.73e-03	-464.70	0.0	760.15	-471.18	-234.73	3.440e+04	1.005e+04	4229.72
		-6.253e+04	-803.41	1.00e-03	0.0	120.0	760.15	-935.88	-234.73	3.440e+04	-803.41	-6.253e+04
59	88	4218.21	1.003e+04	2.76e-03	-464.70	0.0	760.23	-471.89	-234.46	3.435e+04	1.003e+04	4218.21
		-6.266e+04	-803.50	1.02e-03	0.0	120.0	760.23	-936.59	-234.46	3.435e+04	-803.50	-6.266e+04
59	89	4229.72	1.005e+04	2.73e-03	-464.70	0.0	760.15	-471.18	-234.73	3.440e+04	1.005e+04	4229.72
		-6.253e+04	-803.41	1.00e-03	0.0	120.0	760.15	-935.88	-234.73	3.440e+04	-803.41	-6.253e+04
59	93	8045.28	1.193e+04	3.14e-03	-500.39	0.0	856.61	-540.50	-275.33	4.043e+04	1.193e+04	8045.28
		-6.607e+04	-814.14	1.07e-03	0.0	120.0	856.61	-1040.89	-275.33	4.043e+04	-814.14	-6.607e+04
59	95	8018.41	1.190e+04	3.21e-03	-500.39	0.0	856.80	-542.15	-274.70	4.032e+04	1.190e+04	8018.41
		-6.637e+04	-814.35	1.12e-03	0.0	120.0	856.80	-1042.54	-274.70	4.032e+04	-814.35	-6.637e+04
59	99	2777.47	1.116e+04	3.09e-03	-482.54	0.0	851.83	-530.14	-262.37	3.849e+04	1.116e+04	2777.47
		-6.972e+04	-970.85	1.10e-03	0.0	120.0	851.83	-1012.69	-262.37	3.849e+04	-970.85	-6.972e+04
59	100	4229.72	1.005e+04	2.73e-03	-464.70	0.0	760.15	-471.18	-234.73	3.440e+04	1.005e+04	4229.72
		-6.253e+04	-803.41	1.00e-03	0.0	120.0	760.15	-935.88	-234.73	3.440e+04	-803.41	-6.253e+04
59	102	4992.83	1.042e+04	2.81e-03	-471.84	0.0	779.44	-485.05	-242.85	3.560e+04	1.042e+04	4992.83
		-6.324e+04	-805.56	1.02e-03	0.0	120.0	779.44	-956.88	-242.85	3.560e+04	-805.56	-6.324e+04
59	104	4981.32	1.041e+04	2.84e-03	-471.84	0.0	779.52	-485.75	-242.58	3.556e+04	1.041e+04	4981.32
		-6.337e+04	-805.65	1.04e-03	0.0	120.0	779.52	-957.59	-242.58	3.556e+04	-805.65	-6.337e+04
59	105	4229.72	1.005e+04	2.73e-03	-464.70	0.0	760.15	-471.18	-234.73	3.440e+04	1.005e+04	4229.72
		-6.253e+04	-803.41	1.00e-03	0.0	120.0	760.15	-935.88	-234.73	3.440e+04	-803.41	-6.253e+04
59	106	4218.21	1.003e+04	2.76e-03	-464.70	0.0	760.23	-471.89	-234.46	3.435e+04	1.003e+04	4218.21
		-6.266e+04	-803.50	1.02e-03	0.0	120.0	760.23	-936.59	-234.46	3.435e+04	-803.50	-6.266e+04
60	9	1.642e+04	245.22	-0.01	-506.55	0.0	344.76	1279.42	33.90	2986.10	245.22	1.642e+04
		-8.505e+04	-2862.08	1.07e-03	0.0	91.7	344.76	772.87	33.90	2986.10	-2862.08	-8.505e+04
60	16	1.833e+04	287.64	-0.01	-486.11	0.0	303.88	1331.97	30.18	4333.07	287.64	1.833e+04
		-8.996e+04	-2479.02	1.05e-03	0.0	91.7	303.88	845.86	30.18	4333.07	-2479.02	-8.996e+04
60	17	1.776e+04	290.75	-0.01	-465.66	0.0	262.87	1294.28	26.70	4382.08	290.75	1.776e+04
		-8.789e+04	-2156.36	1.06e-03	0.0	91.7	262.87	828.61	26.70	4382.08	-2156.36	-8.789e+04
60	18	1.807e+04	289.84	-0.01	-486.11	0.0	302.24	1334.00	30.00	4338.32	289.84	1.807e+04
		-9.042e+04	-2460.37	1.10e-03	0.0	91.7	302.24	847.89	30.00	4338.32	-2460.37	-9.042e+04
60	21	1.406e+04	233.62	-8.88e-03	-350.78	0.0	187.52	1002.53	19.24	3687.60	233.62	1.406e+04
		-6.842e+04	-1529.63	8.07e-04	0.0	91.7	187.52	651.75	19.24	3687.60	-1529.63	-6.842e+04
60	39	4.199e+05	1518.48	-0.03	-354.98	0.0	1277.39	-663.63	101.17	6224.73	1518.48	4.199e+05

		3.480e+05	-7756.33	-0.02	0.0	91.7	1277.39	-1018.61	101.17	6224.73	1518.48	3.480e+05
60	42	-3.238e+05	4388.38	0.02	-354.98	0.0	-880.76	2497.45	-60.28	-1480.72	4388.38	-5.422e+05
		-5.422e+05	-1137.77	0.02	0.0	91.7	-880.76	2142.47	-60.28	-1480.72	-1137.77	-3.238e+05
60	71	2.035e+05	916.25	-0.02	-354.98	0.0	788.47	53.24	63.90	4653.72	-4941.38	2.019e+05
		1.960e+05	-4941.38	-7.39e-03	0.0	91.7	788.47	-301.74	63.90	4653.72	916.25	1.960e+05
60	74	-1.719e+05	1576.89	9.81e-03	-354.98	0.0	-392.26	1781.15	-23.04	90.82	1576.89	-3.243e+05
		-3.243e+05	-535.06	8.92e-03	0.0	91.7	-392.26	1426.17	-23.04	90.82	-535.06	-1.719e+05
60	87	1.213e+04	189.97	-7.84e-03	-354.98	0.0	198.57	916.61	20.48	2370.77	-1687.57	-6.109e+04
		-6.109e+04	-1687.57	7.53e-04	0.0	91.7	198.57	561.64	20.48	2370.77	189.97	1.213e+04
60	88	1.206e+04	190.60	-7.83e-03	-354.98	0.0	198.10	917.19	20.43	2372.27	-1682.24	-6.122e+04
		-6.122e+04	-1682.24	7.68e-04	0.0	91.7	198.10	562.22	20.43	2372.27	190.60	1.206e+04
60	93	1.254e+04	188.76	-8.18e-03	-382.24	0.0	251.06	969.58	24.89	2312.42	-2092.91	-6.446e+04
		-6.446e+04	-2092.91	8.05e-04	0.0	91.7	251.06	587.34	24.89	2312.42	188.76	1.254e+04
60	97	1.382e+04	217.04	-8.75e-03	-368.61	0.0	223.80	1004.61	22.41	3210.40	-1837.54	-6.773e+04
		-6.773e+04	-1837.54	7.88e-04	0.0	91.7	223.80	636.00	22.41	3210.40	217.04	1.382e+04
60	98	1.344e+04	219.11	-8.57e-03	-354.98	0.0	196.47	979.48	20.09	3243.08	-1622.43	-6.636e+04
		-6.636e+04	-1622.43	7.98e-04	0.0	91.7	196.47	624.50	20.09	3243.08	219.11	1.344e+04
60	99	1.364e+04	218.51	-8.74e-03	-368.61	0.0	222.71	1005.96	22.29	3213.90	-1825.10	-6.805e+04
		-6.805e+04	-1825.10	8.25e-04	0.0	91.7	222.71	637.35	22.29	3213.90	218.51	1.364e+04
60	101	1.201e+04	191.02	-7.82e-03	-354.98	0.0	197.79	917.58	20.40	2373.27	-1678.69	-6.131e+04
		-6.131e+04	-1678.69	7.79e-04	0.0	91.7	197.79	562.60	20.40	2373.27	191.02	1.201e+04
60	102	1.222e+04	189.72	-7.90e-03	-360.43	0.0	209.07	927.21	21.36	2359.10	-1768.64	-6.176e+04
		-6.176e+04	-1768.64	7.63e-04	0.0	91.7	209.07	566.78	21.36	2359.10	189.72	1.222e+04
60	104	1.214e+04	190.35	-7.90e-03	-360.43	0.0	208.60	927.79	21.31	2360.60	-1763.31	-6.190e+04
		-6.190e+04	-1763.31	7.79e-04	0.0	91.7	208.60	567.36	21.31	2360.60	190.35	1.214e+04
60	105	1.213e+04	189.97	-7.84e-03	-354.98	0.0	198.57	916.61	20.48	2370.77	-1687.57	-6.109e+04
		-6.109e+04	-1687.57	7.53e-04	0.0	91.7	198.57	561.64	20.48	2370.77	189.97	1.213e+04
60	106	1.206e+04	190.60	-7.83e-03	-354.98	0.0	198.10	917.19	20.43	2372.27	-1682.24	-6.122e+04
		-6.122e+04	-1682.24	7.68e-04	0.0	91.7	198.10	562.22	20.43	2372.27	190.60	1.206e+04
61	5	5.147e+04	20.42	-1.82e-03	-486.18	0.0	143.20	378.94	0.37	-689.99	-19.02	3.468e+04
		3.468e+04	-19.02	1.00e-03	0.0	105.8	143.20	-107.23	0.37	-689.99	20.42	5.052e+04
61	11	7.377e+04	62.67	-2.29e-03	-724.11	0.0	280.82	542.98	0.27	-824.50	34.06	5.081e+04
		5.081e+04	34.06	1.50e-03	0.0	105.8	280.82	-181.13	0.27	-824.50	62.67	7.184e+04
61	18	7.720e+04	40.35	-2.68e-03	-686.86	0.0	245.88	545.88	0.59	-1301.42	-21.58	5.236e+04
		5.236e+04	-21.58	1.49e-03	0.0	105.8	245.88	-140.98	0.59	-1301.42	40.35	7.612e+04
61	19	5.756e+04	8.61	-2.33e-03	-486.18	0.0	139.38	408.69	0.60	-1130.30	-55.18	3.770e+04
		3.770e+04	-55.18	1.03e-03	0.0	105.8	139.38	-77.48	0.60	-1130.30	8.61	5.718e+04
61	27	5.272e+04	820.79	4.76e-03	-493.82	0.0	122.70	347.69	-12.74	36.00	820.79	3.944e+04
		3.944e+04	-529.50	2.25e-03	0.0	105.8	122.70	-146.13	-12.74	36.00	-529.50	5.059e+04
61	30	5.190e+04	578.96	-5.24e-03	-493.82	0.0	188.22	411.50	13.43	-1389.54	-844.60	3.174e+04
		3.174e+04	-844.60	-1.16e-04	0.0	105.8	188.22	-82.32	13.43	-1389.54	578.96	5.151e+04
61	48	6580.42	200.90	-0.03	-493.82	0.0	-465.89	1331.23	4.35	2979.87	-261.27	-1.081e+05
		-1.081e+05	-261.27	-5.07e-03	0.0	105.8	-465.89	837.41	4.35	2979.87	200.90	6580.42
61	49	1.785e+05	236.79	0.03	-493.82	0.0	775.57	-566.70	-3.72	-4337.86	236.79	1.785e+05
		9.532e+04	-158.66	7.13e-03	0.0	105.8	775.57	-1060.52	-3.72	-4337.86	-158.66	9.532e+04
61	59	5.322e+04	449.76	2.79e-03	-493.82	0.0	141.15	341.42	-6.84	-256.01	449.76	4.018e+04
		4.018e+04	-275.69	2.18e-03	0.0	105.8	141.15	-152.40	-6.84	-256.01	-275.69	5.098e+04
61	62	5.155e+04	327.26	-3.62e-03	-493.82	0.0	169.26	417.34	7.55	-1120.36	-473.08	3.111e+04
		3.111e+04	-473.08	-9.81e-05	0.0	105.8	169.26	-76.48	7.55	-1120.36	327.26	5.121e+04
61	80	2.652e+04	115.96	-0.02	-493.82	0.0	-197.93	967.90	2.62	1205.90	-162.50	-5.101e+04
		-5.101e+04	-162.50	-3.90e-03	0.0	105.8	-197.93	474.08	2.62	1205.90	115.96	2.652e+04
61	81	1.223e+05	139.18	0.02	-493.82	0.0	508.33	-209.14	-1.91	-2582.27	139.18	1.223e+05
		7.566e+04	-64.40	5.98e-03	0.0	105.8	508.33	-702.96	-1.91	-2582.27	-64.40	7.566e+04
61	87	5.204e+04	23.49	-1.81e-03	-493.82	0.0	151.19	383.00	0.35	-684.11	-14.06	3.517e+04
		3.517e+04	-14.06	1.02e-03	0.0	105.8	151.19	-110.82	0.35	-684.11	23.49	5.103e+04
61	88	5.218e+04	25.78	-1.74e-03	-493.82	0.0	155.20	379.38	0.35	-688.18	-11.66	3.565e+04
		3.565e+04	-11.66	1.04e-03	0.0	105.8	155.20	-114.44	0.35	-688.18	25.78	5.109e+04
61	89	5.204e+04	23.49	-1.81e-03	-493.82	0.0	151.19	383.00	0.35	-684.11	-14.06	3.517e+04
		3.517e+04	-14.06	1.02e-03	0.0	105.8	151.19	-110.82	0.35	-684.11	23.49	5.103e+04
61	95	5.572e+04	42.86	-1.77e-03	-543.49	0.0	202.05	410.35	0.24	-644.80	17.53	5.824e+04
		3.824e+04	17.53	1.13e-03	0.0	105.8	202.05	-133.14	0.24	-644.80	42.86	5.435e+04
61	96	5.605e+04	15.62	-2.15e-03	-493.82	0.0	148.64	402.84	0.51	-977.65	-38.17	3.719e+04
		3.719e+04	-38.17	1.04e-03	0.0	105.8	148.64	-90.98	0.51	-977.65	15.62	5.547e+04
61	99	5.803e+04	27.98	-2.03e-03	-518.65	0.0	178.75	412.28	0.45	-962.75	-19.57	3.927e+04
		3.927e+04	-19.57	1.12e-03	0.0	105.8	178.75	-106.37	0.45	-962.75	27.98	5.721e+04
61	100	5.204e+04	23.49	-1.81e-03	-493.82	0.0	151.19	383.00	0.35	-684.11	-14.06	3.517e+04
		3.517e+04	-14.06	1.02e-03	0.0	105.8	151.19	-110.82	0.35	-684.11	23.49	5.103e+04
61	104	5.285e+04	28.59	-1.76e-03	-503.75	0.0	163.50	386.54	0.33	-678.42	-6.46	3.604e+04
		3.604e+04	-6.46	1.05e-03	0.0	105.8	163.50	-117.21	0.33	-678.42	28.59	5.173e+04
61	105	5.204e+04	23.49	-1.81e-03	-493.82	0.0	151.19	383.00	0.35	-684.11	-14.06	3.517e+04
		3.517e+04	-14.06	1.02e-03	0.0	105.8	151.19	-110.82	0.35	-684.11	23.49	5.103e+04
61	106	5.218e+04	25.78	-1.74e-03	-493.82	0.0	155.20	379.38	0.35	-688.18	-11.66	3.565e+04
		3.565e+04	-11.66	1.04e-03	0.0	105.8	155.20	-114.44	0.35	-688.18	25.78	5.109e+04
62	7	4.498e+04	193.07	-5.81e-03	-405.00	0.0	268.42	475.39	-2.20	609.65	193.07	1.362e+04
		1.362e+04	-39.44	9.08e-04	0.0	105.8	268.42	70.39	-2.20	609.65	-39.44	4.498e+04
62	9	6.222e+04	245.24	-8.01e-03	-584.84	0.0	449.29	669.48	-3.13	711.11	245.24	1.897e+04
		1.897e+04	-86.50	1.17e-03	0.0	105.8	449.29	84.63	-3.13	711.11	-86.50	6.222e+04
62	16	6.736e+04	287.66	-8.57e-03	-561.24	0.0	419.36	680.16	-3.37	1155.65	287.66	2.128e+04
		2.128e+04	-68.94	1.15e-03	0.0	105.8	419.36	118.92	-3.37	1155.65	-68.94	6.736e+04
62	17	6.584e+04	290.77	-8.40e-03	-537.63	0.0	378.54	660.10	-3.26	1190.23	290.77	2.068e+04

		2.068e+04	-54.14	1.18e-03	0.0	105.8	378.54	122.47	-3.26	1190.23	-54.14	6.584e+04
62	39	2.472e+05	1518.23	0.03	-409.84	0.0	458.17	-1139.79	-22.93	5429.05	1518.23	2.472e+05
		1.072e+05	-925.81	-0.04	0.0	105.8	458.17	-1549.63	-22.93	5429.05	-925.81	1.072e+05
62	42	-1.660e+04	837.95	-0.04	-409.84	0.0	96.56	2094.66	18.51	-4231.67	-1137.49	-2.193e+05
		-2.193e+05	-1137.49	0.04	0.0	105.8	96.56	1684.82	18.51	-4231.67	837.95	-1.660e+04
62	71	1.415e+05	916.15	0.01	-409.84	0.0	375.57	-406.15	-13.50	3416.55	916.15	1.415e+05
		7.931e+04	-520.99	-0.02	0.0	105.8	375.57	-815.99	-13.50	3416.55	-520.99	7.931e+04
62	74	1.129e+04	433.50	-0.02	-409.84	0.0	179.04	1361.61	9.07	-2218.98	-534.93	-1.135e+05
		-1.135e+05	-534.93	0.02	0.0	105.8	179.04	951.77	9.07	-2218.98	433.50	1.129e+04
62	87	4.530e+04	189.98	-5.81e-03	-409.84	0.0	277.48	477.11	-2.21	597.47	189.98	1.379e+04
		1.403e+04	-44.19	8.32e-04	0.0	105.8	277.48	67.27	-2.21	597.47	-44.19	4.530e+04
62	88	4.530e+04	190.61	-5.82e-03	-409.84	0.0	277.30	477.73	-2.21	598.78	190.61	1.396e+04
		1.396e+04	-43.75	8.50e-04	0.0	105.8	277.30	67.89	-2.21	598.78	-43.75	4.530e+04
62	91	4.529e+04	192.08	-5.84e-03	-409.84	0.0	276.89	479.17	-2.22	601.84	192.08	1.379e+04
		1.379e+04	-42.72	8.93e-04	0.0	105.8	276.89	69.33	-2.22	601.84	-42.72	4.529e+04
62	93	4.731e+04	188.78	-6.08e-03	-441.31	0.0	331.08	506.73	-2.37	557.49	188.78	1.449e+04
		1.449e+04	-61.86	8.84e-04	0.0	105.8	331.08	65.42	-2.37	557.49	-61.86	4.731e+04
62	97	5.074e+04	217.06	-6.46e-03	-425.58	0.0	311.12	513.85	-2.52	853.85	217.06	1.603e+04
		1.603e+04	-50.16	8.70e-04	0.0	105.8	311.12	88.28	-2.52	853.85	-50.16	5.074e+04
62	98	4.973e+04	219.13	-6.35e-03	-409.84	0.0	283.91	500.48	-2.45	876.90	219.13	1.563e+04
		1.563e+04	-40.29	8.86e-04	0.0	105.8	283.91	90.64	-2.45	876.90	-40.29	4.973e+04
62	101	4.530e+04	191.03	-5.83e-03	-409.84	0.0	277.18	478.14	-2.22	599.66	191.03	1.391e+04
		1.391e+04	-43.45	8.62e-04	0.0	105.8	277.18	68.30	-2.22	599.66	-43.45	4.530e+04
62	102	4.570e+04	189.74	-5.87e-03	-416.13	0.0	288.20	483.03	-2.24	589.48	189.74	1.412e+04
		1.412e+04	-47.72	8.42e-04	0.0	105.8	288.20	66.90	-2.24	589.48	-47.72	4.570e+04
62	105	4.530e+04	189.98	-5.81e-03	-409.84	0.0	277.48	477.11	-2.21	597.47	189.98	1.403e+04
		1.403e+04	-44.19	8.32e-04	0.0	105.8	277.48	67.27	-2.21	597.47	-44.19	4.530e+04
62	106	4.530e+04	190.61	-5.82e-03	-409.84	0.0	277.30	477.73	-2.21	598.78	190.61	1.396e+04
		1.396e+04	-43.75	8.50e-04	0.0	105.8	277.30	67.89	-2.21	598.78	-43.75	4.530e+04
63	3	9.416e+04	1.431e+04	-5.26e-03	-6669.76	0.0	-623.44	3371.61	186.29	-1.003e+04	-4183.54	-1.960e+04
		-1.960e+04	-4183.54	3.86e-04	0.0	133.5	-623.44	-3298.15	186.29	-1.003e+04	1.431e+04	-1.469e+04
63	4	9.495e+04	1.481e+04	-5.29e-03	-6669.76	0.0	-631.51	3369.58	194.23	-1.033e+04	-4377.22	-1.867e+04
		-1.867e+04	-4377.22	4.16e-04	0.0	133.5	-631.51	-3300.18	194.23	-1.033e+04	1.481e+04	-1.404e+04
63	11	9.157e+04	1.505e+04	-5.22e-03	-6307.35	0.0	-548.87	3186.55	200.36	-1.029e+04	-4372.71	-1.587e+04
		-1.587e+04	-4372.71	4.47e-04	0.0	133.5	-548.87	-3120.80	200.36	-1.029e+04	1.505e+04	-1.149e+04
63	19	5.968e+04	1.009e+04	-3.72e-03	-4030.36	0.0	-200.27	2043.67	136.98	-6717.16	-2565.76	-9478.50
		-9478.50	-2565.76	3.04e-04	0.0	133.5	-200.27	-1986.69	136.98	-6717.16	1.009e+04	-5675.70
63	32	3.536e+04	3137.15	-1.51e-03	-4368.60	0.0	399.85	1102.37	-32.53	-5247.34	3137.15	1.696e+04
		-1.281e+05	-5907.86	1.30e-03	0.0	133.5	399.85	-3266.24	-32.53	-5247.34	-5907.86	-1.281e+05
63	33	1.300e+05	2.659e+04	-6.47e-03	-4368.60	0.0	-1043.14	3326.75	281.83	-6355.96	-7849.39	-3.956e+04
		-3.956e+04	-7849.39	-1.03e-03	0.0	133.5	-1043.14	-1041.85	281.83	-6355.96	2.659e+04	1.136e+05
63	35	3.055e+04	2870.74	-7.73e-03	-4368.60	0.0	763.65	1252.30	54.40	-7611.67	-721.45	8526.28
		-1.221e+05	-721.45	4.64e-03	0.0	133.5	763.65	-3116.30	54.40	-7611.67	2870.74	-1.221e+05
63	38	1.276e+05	1.781e+04	9.89e-03	-4368.60	0.0	-1406.93	3176.82	194.90	-3991.63	-3990.79	-3.113e+04
		-3.113e+04	-3990.79	-4.19e-03	0.0	133.5	-1406.93	-1191.79	194.90	-3991.63	1.781e+04	1.076e+05
63	40	4.791e+04	6866.18	9.55e-03	-4368.60	0.0	-649.43	1512.96	-137.80	3448.38	6866.18	1.393e+04
		-7.780e+04	-1.438e+04	-3.11e-03	0.0	133.5	-649.43	-2855.64	-137.80	3448.38	-1.438e+04	-7.780e+04
63	41	9.603e+04	3.463e+04	-0.01	-4368.60	0.0	43.26	2930.93	326.31	-9436.31	-9492.58	-3.659e+04
		-3.659e+04	-9492.58	3.07e-03	0.0	133.5	43.26	-1437.68	326.31	-9436.31	3.463e+04	6.519e+04
63	64	4.310e+04	1872.88	-2.35e-03	-4368.60	0.0	57.36	1598.69	50.81	-6392.44	608.60	4202.85
		-7.433e+04	608.60	1.15e-04	0.0	133.5	57.36	-2769.91	50.81	-6392.44	1872.88	-7.433e+04
63	65	9.547e+04	1.884e+04	-5.43e-03	-4368.60	0.0	-632.52	2827.91	225.61	-7511.86	-6150.30	-2.679e+04
		-2.679e+04	-6150.30	4.73e-04	0.0	133.5	-632.52	-1540.69	225.61	-7511.86	1.884e+04	5.948e+04
63	67	4.175e+04	5863.58	-4.53e-03	-4368.60	0.0	314.11	1685.21	100.07	-8215.68	-2269.70	-336.23
		-7.037e+04	-2269.70	3.52e-03	0.0	133.5	314.11	-2683.39	100.07	-8215.68	5863.58	-7.037e+04
63	70	9.470e+04	1.484e+04	6.28e-03	-4368.60	0.0	-889.27	2741.39	176.36	-5688.62	-3272.00	-2.225e+04
		-2.225e+04	-3272.00	-2.93e-03	0.0	133.5	-889.27	-1627.21	176.36	-5688.62	1.484e+04	5.552e+04
63	73	7.959e+04	2.244e+04	-8.05e-03	-4368.60	0.0	2.36	2610.33	268.33	-1.137e+04	-8524.94	-2.502e+04
		-2.502e+04	-8524.94	4.60e-03	0.0	133.5	2.36	-1758.28	268.33	-1.137e+04	2.244e+04	3.300e+04
63	77	7.991e+04	2.234e+04	-8.00e-03	-4368.60	0.0	-7.71	2615.03	267.57	-1.151e+04	-8526.14	-2.509e+04
		-2.509e+04	-8526.14	3.72e-03	0.0	133.5	-7.71	-1753.58	267.57	-1.151e+04	2.234e+04	3.356e+04
63	87	6.076e+04	1.017e+04	-3.79e-03	-4127.00	0.0	-227.11	2092.64	137.00	-6726.02	-2638.72	-1.005e+04
		-1.005e+04	-2638.72	2.94e-04	0.0	133.5	-227.11	-2034.37	137.00	-6726.02	1.017e+04	-6161.18
63	88	6.354e+04	1.035e+04	-3.84e-03	-4368.60	0.0	-287.58	2213.30	138.21	-6952.15	-2770.85	-1.130e+04
		-1.130e+04	-2770.85	2.94e-04	0.0	133.5	-287.58	-2155.30	138.21	-6952.15	1.035e+04	-7423.79
63	91	7.002e+04	1.078e+04	-3.98e-03	-4932.34	0.0	-428.68	2494.86	141.05	-7479.80	-3079.14	-1.420e+04
		-1.420e+04	-3079.14	2.92e-04	0.0	133.5	-428.68	-2437.49	141.05	-7479.80	1.078e+04	-1.037e+04
63	92	7.055e+04	1.112e+04	-4.00e-03	-4932.34	0.0	-434.06	2493.50	146.35	-7680.88	-3208.26	-1.358e+04
		-1.358e+04	-3208.26	3.12e-04	0.0	133.5	-434.06	-2438.84	146.35	-7680.88	1.112e+04	-9932.06
63	95	6.830e+04	1.127e+04	-3.96e-03	-4690.74	0.0	-378.97	2371.49	150.43	-7655.83	-3205.25	-1.172e+04
		-1.172e+04	-3205.25	3.33e-04	0.0	133.5	-378.97	-2319.25	150.43	-7655.83	1.127e+04	-8231.63
63	96	6.089e+04	1.023e+04	-3.76e-03	-4127.00	0.0	-226.45	2091.89	138.40	-6821.66	-2651.80	-9874.27
		-9874.27	-2651.80	3.04e-04	0.0	133.5	-226.45	-2035.11	138.40	-6821.66	1.023e+04	-6084.41
63	100	6.076e+04	1.017e+04	-3.79e-03	-4127.00	0.0	-227.11	2092.64	137.00	-6726.02	-2638.72	-1.005e+04
		-1.005e+04	-2638.72	2.94e-04	0.0	133.5	-227.11	-2034.37	137.00	-6726.02	1.017e+04	-6161.18
63	101	6.539e+04	1.048e+04	-3.88e-03	-4529.67	0.0	-327.90	2293.75	139.02	-7102.91	-2858.93	-1.212e+04
		-1.212e+04	-2858.93	2.93e-04	0.0	133.5	-327.90	-2235.93	139.02	-7102.91	1.048e+04	-8265.53
63	104	6.375e+04	1.049e+04	-3.85e-03	-4368.60	0.0	-289.74	2212.76	140.33	-7032.58	-2822.49	-1.105e+04
		-1.105e+04	-2822.49	3.02e-04	0.0	133.5	-289.74	-2155.84	140.33	-7032.58	1.049e+04	-7248.66
63	105	6.076e+04	1.017e+04	-3.79e-03	-4127.00	0.0	-227.11	2092.64	137.00	-6726.02	-2638.72	-1.005e+04

		-1.005e+04	-2638.72	2.94e-04	0.0	133.5	-227.11	-2034.37	137.00	-6726.02	1.017e+04	-6161.18
63	106	6.354e+04	1.035e+04	-3.84e-03	-4368.60	0.0	-287.58	2213.30	138.21	-6952.15	-2770.85	-1.130e+04
		-1.130e+04	-2770.85	2.94e-04	0.0	133.5	-287.58	-2155.30	138.21	-6952.15	1.035e+04	-7423.79
64	5	4.444e+04	426.37	-0.02	-2699.92	0.0	358.15	1330.38	0.76	63.51	127.74	-8.500e+04
		-9.273e+04	127.74	3.35e-03	0.0	395.0	358.15	-1369.54	0.76	63.51	426.37	-9.273e+04
64	7	4.472e+04	390.55	-0.02	-2699.92	0.0	389.04	1328.10	0.85	77.15	53.66	-8.428e+04
		-9.291e+04	53.66	3.74e-03	0.0	395.0	389.04	-1371.82	0.85	77.15	390.55	-9.291e+04
64	9	6.787e+04	693.44	-0.03	-4139.37	0.0	585.46	2041.85	1.08	89.26	265.30	-1.310e+05
		-1.420e+05	265.30	4.77e-03	0.0	395.0	585.46	-2097.53	1.08	89.26	693.44	-1.420e+05
64	11	6.806e+04	668.37	-0.03	-4139.37	0.0	607.08	2040.25	1.15	98.81	213.45	-1.305e+05
		-1.421e+05	213.45	5.05e-03	0.0	395.0	607.08	-2099.12	1.15	98.81	668.37	-1.421e+05
64	35	5.177e+04	-3014.80	-0.03	-2752.16	0.0	267.76	1071.39	-1.19	-973.19	-5580.02	-3.050e+04
		-1.508e+05	-5580.02	0.01	0.0	395.0	267.76	-1680.77	-1.19	-973.19	-3014.80	-1.508e+05
64	38	4.996e+04	5799.69	0.02	-2752.16	0.0	483.62	1639.06	2.86	1083.72	5799.69	-1.424e+05
		-1.424e+05	3891.66	-6.11e-03	0.0	395.0	483.62	-1113.10	2.86	1083.72	3891.66	-3.848e+04
64	39	1.764e+05	1.025e+04	-0.04	-2752.16	0.0	333.04	23.87	61.20	-1.064e+04	-1.249e+04	1.764e+05
		-3.577e+05	-1.249e+04	-0.08	0.0	395.0	333.04	-2728.29	61.20	-1.064e+04	1.025e+04	-3.577e+05
64	41	1.680e+05	1.313e+04	-0.04	-2752.16	0.0	395.65	66.53	53.71	-1.155e+04	-9531.53	1.680e+05
		-3.493e+05	-9531.53	-0.08	0.0	395.0	395.65	-2685.63	53.71	-1.155e+04	1.313e+04	-3.493e+05
64	45	1.771e+05	1.308e+04	-0.04	-2752.16	0.0	395.99	20.50	59.85	-1.142e+04	-9657.43	1.771e+05
		-3.583e+05	-9657.43	-0.08	0.0	395.0	395.99	-2731.66	59.85	-1.142e+04	1.308e+04	-3.583e+05
64	67	4.757e+04	-1453.57	-0.02	-2752.16	0.0	319.14	1197.91	-0.23	-609.17	-3026.02	-5.541e+04
		-1.258e+05	-3026.02	0.01	0.0	395.0	319.14	-1554.25	-0.23	-609.17	-1453.57	-1.258e+05
64	70	4.668e+04	3258.74	-0.01	-2752.16	0.0	433.41	1513.48	1.81	744.52	3258.74	-1.176e+05
		-1.176e+05	2310.44	-3.63e-03	0.0	395.0	433.41	-1238.68	1.81	744.52	2310.44	-6.334e+04
64	71	8.612e+04	5894.45	-0.03	-2752.16	0.0	355.72	618.96	34.35	-6168.59	-6885.20	5.897e+04
		-2.401e+05	-6885.20	-0.04	0.0	395.0	355.72	-2133.20	34.35	-6168.59	5894.45	-2.401e+05
64	73	8.380e+04	7473.92	-0.03	-2752.16	0.0	388.77	642.56	30.22	-6660.85	-5254.57	5.432e+04
		-2.354e+05	-5254.57	-0.04	0.0	395.0	388.77	-2109.60	30.22	-6660.85	7473.92	-2.354e+05
64	77	8.631e+04	7444.90	-0.03	-2752.16	0.0	388.97	617.31	33.58	-6593.10	-5324.18	5.932e+04
		-2.404e+05	-5324.18	-0.04	0.0	395.0	388.97	-2134.85	33.58	-6593.10	7444.90	-2.404e+05
64	87	4.530e+04	435.60	-0.02	-2752.16	0.0	370.10	1356.15	0.77	64.95	131.18	-8.665e+04
		-9.452e+04	131.18	3.41e-03	0.0	395.0	370.10	-1396.01	0.77	64.95	435.60	-9.452e+04
64	88	4.535e+04	428.43	-0.02	-2752.16	0.0	376.27	1355.70	0.79	67.67	116.36	-8.651e+04
		-9.456e+04	116.36	3.49e-03	0.0	395.0	376.27	-1396.46	0.79	67.67	428.43	-9.456e+04
64	89	4.530e+04	435.60	-0.02	-2752.16	0.0	370.10	1356.15	0.77	64.95	131.18	-8.665e+04
		-9.452e+04	131.18	3.41e-03	0.0	395.0	370.10	-1396.01	0.77	64.95	435.60	-9.452e+04
64	91	4.548e+04	411.72	-0.02	-2752.16	0.0	390.69	1354.63	0.84	74.04	81.80	-8.617e+04
		-9.464e+04	81.80	3.67e-03	0.0	395.0	390.69	-1397.53	0.84	74.04	411.72	-9.464e+04
64	93	5.072e+04	514.22	-0.02	-3091.71	0.0	431.69	1524.87	0.82	67.21	192.06	-9.779e+04
		-1.061e+05	192.06	3.59e-03	0.0	395.0	431.69	-1566.84	0.82	67.21	514.22	-1.061e+05
64	95	5.084e+04	497.50	-0.02	-3091.71	0.0	446.10	1523.81	0.86	73.57	157.50	-9.745e+04
		-1.062e+05	157.50	3.78e-03	0.0	395.0	446.10	-1567.91	0.86	73.57	497.50	-1.062e+05
64	100	4.530e+04	435.60	-0.02	-2752.16	0.0	370.10	1356.15	0.77	64.95	131.18	-8.665e+04
		-9.452e+04	131.18	3.41e-03	0.0	395.0	370.10	-1396.01	0.77	64.95	435.60	-9.452e+04
64	101	4.539e+04	423.66	-0.02	-2752.16	0.0	380.39	1355.39	0.80	69.49	106.49	-8.641e+04
		-9.458e+04	106.49	3.54e-03	0.0	395.0	380.39	-1396.77	0.80	69.49	423.66	-9.458e+04
64	102	4.638e+04	451.32	-0.02	-2820.07	0.0	382.41	1389.90	0.78	65.40	143.35	-8.888e+04
		-9.684e+04	143.35	3.44e-03	0.0	395.0	382.41	-1430.17	0.78	65.40	451.32	-9.684e+04
64	104	4.644e+04	444.16	-0.02	-2820.07	0.0	388.59	1389.44	0.80	68.13	128.54	-8.874e+04
		-9.687e+04	128.54	3.52e-03	0.0	395.0	388.59	-1430.63	0.80	68.13	444.16	-9.687e+04
64	105	4.530e+04	435.60	-0.02	-2752.16	0.0	370.10	1356.15	0.77	64.95	131.18	-8.665e+04
		-9.452e+04	131.18	3.41e-03	0.0	395.0	370.10	-1396.01	0.77	64.95	435.60	-9.452e+04
64	106	4.535e+04	428.43	-0.02	-2752.16	0.0	376.27	1355.70	0.79	67.67	116.36	-8.651e+04
		-9.456e+04	116.36	3.49e-03	0.0	395.0	376.27	-1396.46	0.79	67.67	428.43	-9.456e+04
65	3	9.884e+04	5201.64	-6.01e-03	-6669.72	0.0	-850.16	3228.01	159.06	-1.261e+04	-5647.94	-5332.23
		-1.960e+05	-5647.94	1.01e-03	0.0	133.5	-850.16	-3441.71	159.06	-1.261e+04	5201.64	-1.960e+05
65	4	1.007e+05	5309.90	-6.10e-03	-6669.72	0.0	-938.83	3213.87	161.24	-1.298e+04	-5955.73	-2516.44
		-1.867e+04	-5955.73	1.04e-03	0.0	133.5	-938.83	-3455.85	161.24	-1.298e+04	5309.90	-1.867e+04
65	5	6.311e+04	3616.93	-4.18e-03	-4030.34	0.0	-356.90	1931.26	109.88	-8519.26	-3842.09	1458.74
		-9743.07	-3842.09	6.96e-04	0.0	133.5	-356.90	-2099.08	109.88	-8519.26	3616.93	-9743.07
65	11	9.855e+04	5304.50	-6.04e-03	-6307.32	0.0	-940.25	3016.26	159.57	-1.300e+04	-6134.81	2467.53
		-1.587e+04	-6134.81	1.05e-03	0.0	133.5	-940.25	-3291.05	159.57	-1.300e+04	5304.50	-1.587e+04
65	24	8.120e+04	5304.38	-6.42e-03	-4368.58	0.0	-2440.16	2315.56	171.04	-1.247e+04	-9986.05	64.96
		64.96	-9986.05	-3.94e-03	0.0	133.5	-2440.16	-2053.02	171.04	-1.247e+04	5304.38	1.654e+04
65	33	5.458e+04	3952.45	3.19e-03	-4368.58	0.0	1536.50	1882.58	30.08	-7232.62	3952.45	214.59
		-3.956e+04	1807.69	-1.88e-04	0.0	133.5	1536.50	-2486.00	30.08	-7232.62	1807.69	-3.956e+04
65	40	7.814e+04	1.297e+04	4.86e-03	-4368.58	0.0	-3101.72	2315.04	208.85	-1.484e+04	-1.157e+04	-3445.43
		-3445.43	-1.157e+04	-3.84e-03	0.0	133.5	-3101.72	-2053.54	208.85	-1.484e+04	1.297e+04	1.393e+04
65	44	7.814e+04	1.296e+04	4.72e-03	-4368.58	0.0	-3131.35	2315.77	208.42	-1.388e+04	-1.157e+04	-3581.73
		-3581.73	-1.157e+04	-2.20e-03	0.0	133.5	-3131.35	-2052.81	208.42	-1.388e+04	1.296e+04	1.405e+04
65	45	5.721e+04	1.024e+04	-5.66e-03	-4368.58	0.0	2234.09	1889.83	-66.62	443.88	1.024e+04	2678.68
		-3.671e+04	-6201.33	3.40e-03	0.0	133.5	2234.09	-2478.75	-66.62	443.88	-6201.33	-3.671e+04
65	46	7.112e+04	1.371e+04	7.18e-03	-4368.58	0.0	-2318.45	2214.35	189.63	-1.463e+04	-9135.42	-4001.78
		-4001.78	-9135.42	-3.30e-03	0.0	133.5	-2318.45	-2154.23	189.63	-1.463e+04	1.371e+04	440.52
65	56	7.491e+04	4358.19	-5.33e-03	-4368.58	0.0	-1615.25	2218.00	151.18	-1.115e+04	-7758.98	45.25
		45.25	-7758.98	-2.57e-03	0.0	133.5	-1615.25	-2150.58	151.18	-1.115e+04	4358.19	3972.10
65	65	6.017e+04	3101.73	-3.27e-03	-4368.58	0.0	747.47	1979.83	77.49	-8392.45	-297.51	227.89
		-2.679e+04	-297.51	1.00e-03	0.0	133.5	747.47	-2388.75	77.49	-8392.45	3101.73	-2.679e+04
65	72	7.319e+04	7996.41	3.90e-03	-4368.58	0.0	-2154.99	2216.79	185.80	-1.318e+04	-9707.66	-1856.95

		-1856.95	-9707.66	-4.22e-03	0.0	133.5	-2154.99	-2151.79	185.80	-1.318e+04	7996.41	2434.26
65	74	6.932e+04	8433.15	5.09e-03	-4368.58	0.0	-1726.95	2161.90	175.45	-1.255e+04	-8369.91	-2248.23
		-4916.40	-8369.91	-3.02e-03	0.0	133.5	-1726.95	-2206.68	175.45	-1.255e+04	8433.15	-4916.40
65	76	7.319e+04	8005.57	3.82e-03	-4368.58	0.0	-2168.57	2217.20	185.55	-1.267e+04	-9705.93	-1931.27
		-1931.27	-9705.93	-3.31e-03	0.0	133.5	-2168.57	-2151.38	185.55	-1.267e+04	8005.57	2503.48
65	77	6.188e+04	1655.20	-5.45e-03	-4368.58	0.0	1255.52	1981.97	42.29	-5166.76	1655.20	1956.68
		-2.509e+04	-515.14	4.76e-03	0.0	133.5	1255.52	-2386.61	42.29	-5166.76	-515.14	-2.509e+04
65	87	6.457e+04	3669.44	-4.24e-03	-4126.98	0.0	-398.35	1977.28	111.36	-8686.79	-3939.55	1458.16
		-1.005e+04	-3939.55	7.08e-04	0.0	133.5	-398.35	-2149.70	111.36	-8686.79	3669.44	-1.005e+04
65	88	6.726e+04	3745.21	-4.33e-03	-4368.58	0.0	-456.52	2099.59	113.92	-8917.66	-4025.37	12.71
		-1.130e+04	-4025.37	7.23e-04	0.0	133.5	-456.52	-2268.99	113.92	-8917.66	3745.21	-1.130e+04
65	89	6.457e+04	3669.44	-4.24e-03	-4126.98	0.0	-398.35	1977.28	111.36	-8686.79	-3939.55	1458.16
		-1.005e+04	-3939.55	7.08e-04	0.0	133.5	-398.35	-2149.70	111.36	-8686.79	3669.44	-1.005e+04
65	91	7.353e+04	3922.01	-4.54e-03	-4932.32	0.0	-592.25	2384.96	119.90	-9456.34	-4225.59	-3360.01
		-1.420e+04	-4225.59	7.57e-04	0.0	133.5	-592.25	-2547.35	119.90	-9456.34	3922.01	-1.420e+04
65	92	7.478e+04	3994.18	-4.59e-03	-4932.32	0.0	-651.36	2375.53	121.36	-9700.69	-4430.79	-1482.82
		-1.358e+04	-4430.79	7.79e-04	0.0	133.5	-651.36	-2556.78	121.36	-9700.69	3994.18	-1.358e+04
65	95	7.334e+04	3990.58	-4.55e-03	-4690.71	0.0	-652.31	2243.80	120.25	-9714.18	-4550.17	1839.83
		-1.172e+04	-4550.17	7.86e-04	0.0	133.5	-652.31	-2446.91	120.25	-9714.18	3990.58	-1.172e+04
65	100	6.457e+04	3669.44	-4.24e-03	-4126.98	0.0	-398.35	1977.28	111.36	-8686.79	-3939.55	1458.16
		-1.005e+04	-3939.55	7.08e-04	0.0	133.5	-398.35	-2149.70	111.36	-8686.79	3669.44	-1.005e+04
65	101	6.905e+04	3795.73	-4.39e-03	-4529.65	0.0	-495.30	2181.12	115.63	-9071.56	-4082.57	-950.93
		-1.212e+04	-4082.57	7.33e-04	0.0	133.5	-495.30	-2348.52	115.63	-9071.56	3795.73	-1.212e+04
65	104	6.776e+04	3774.08	-4.35e-03	-4368.58	0.0	-480.17	2095.81	114.50	-9015.40	-4107.44	763.59
		-1.105e+04	-4107.44	7.31e-04	0.0	133.5	-480.17	-2272.77	114.50	-9015.40	3774.08	-1.105e+04
65	105	6.457e+04	3669.44	-4.24e-03	-4126.98	0.0	-398.35	1977.28	111.36	-8686.79	-3939.55	1458.16
		-1.005e+04	-3939.55	7.08e-04	0.0	133.5	-398.35	-2149.70	111.36	-8686.79	3669.44	-1.005e+04
65	106	6.726e+04	3745.21	-4.33e-03	-4368.58	0.0	-456.52	2099.59	113.92	-8917.66	-4025.37	12.71
		-1.130e+04	-4025.37	7.23e-04	0.0	133.5	-456.52	-2268.99	113.92	-8917.66	3745.21	-1.130e+04
66	3	9.813e+04	8989.33	-5.29e-03	-6669.72	0.0	-802.83	3222.57	-221.16	1.462e+04	8989.33	-5673.42
		-2.066e+04	-7161.30	8.03e-04	0.0	133.5	-802.83	-3447.15	-221.16	1.462e+04	-7161.30	-2.066e+04
66	4	9.998e+04	9420.02	-5.36e-03	-6669.72	0.0	-889.28	3208.26	-225.57	1.505e+04	9420.02	-2867.45
		-1.977e+04	-7344.85	8.27e-04	0.0	133.5	-889.28	-3461.46	-225.57	1.505e+04	-7344.85	-1.977e+04
66	5	6.264e+04	6095.54	-3.66e-03	-4030.34	0.0	-336.78	1927.62	-151.88	9888.02	6095.54	1225.95
		-1.046e+04	-4905.90	5.47e-04	0.0	133.5	-336.78	-2102.72	-151.88	9888.02	-4905.90	-1.046e+04
66	11	9.782e+04	9632.31	-5.29e-03	-6307.32	0.0	-893.57	3010.65	-224.50	1.508e+04	9632.31	2115.28
		-1.698e+04	-7351.79	8.30e-04	0.0	133.5	-893.57	-3296.67	-224.50	1.508e+04	-7351.79	-1.698e+04
66	31	8.089e+04	1.173e+04	-5.84e-03	-4368.58	0.0	-2828.70	2315.43	-222.80	1.343e+04	1.173e+04	-498.21
		-498.21	-8286.61	3.50e-03	0.0	133.5	-2828.70	-2053.15	-222.80	1.343e+04	-8286.61	1.648e+04
66	34	5.388e+04	-594.64	3.79e-03	-4368.58	0.0	-1951.83	1877.44	-69.91	5943.98	-594.64	-188.67
		-4.062e+04	-1773.33	-2.22e-03	0.0	133.5	1951.83	-2491.14	-69.91	5943.98	-1773.33	-4.062e+04
66	39	7.742e+04	9235.73	6.42e-03	-4368.58	0.0	-3278.05	2305.14	-257.63	1.527e+04	9235.73	-3505.53
		-3505.53	-1.880e+04	3.06e-03	0.0	133.5	-3278.05	-2063.44	-257.63	1.527e+04	-1.880e+04	1.255e+04
66	41	7.023e+04	6357.07	8.81e-03	-4368.58	0.0	-2260.16	2202.48	-235.58	1.643e+04	6357.07	-4184.58
		-4184.58	-1.975e+04	5.24e-03	0.0	133.5	-2260.16	-2166.09	-235.58	1.643e+04	-1.975e+04	-1164.22
66	42	5.688e+04	9093.89	-5.39e-03	-4368.58	0.0	2451.26	1892.72	17.20	1057.33	9093.89	-3.673e+04
		-3.673e+04	-2012.89	-1.61e-03	0.0	133.5	2451.26	-2475.86	17.20	1057.33	-2012.89	2117.15
66	55	7.450e+04	9230.44	-4.80e-03	-4368.58	0.0	-1825.64	2215.53	-194.04	1.051e+04	9230.44	-200.65
		-200.65	-6275.09	-1.25e-04	0.0	133.5	-1825.64	-2153.05	-194.04	1.051e+04	-6275.09	3405.09
66	63	7.450e+04	9289.23	-4.75e-03	-4368.58	0.0	-1826.08	2216.32	-195.10	1.230e+04	9289.23	-396.68
		-396.68	-6540.09	2.90e-03	0.0	133.5	-1826.08	-2152.25	-195.10	1.230e+04	-6540.09	3600.19
66	66	5.961e+04	3486.21	-2.87e-03	-4368.58	0.0	963.70	1975.20	-120.71	8394.91	3486.21	-63.56
		-2.770e+04	-3676.68	-1.76e-03	0.0	133.5	963.70	-2393.38	-120.71	8394.91	-3676.68	-2.770e+04
66	73	6.858e+04	6251.92	6.64e-03	-4368.58	0.0	-1702.57	2153.65	-205.80	1.466e+04	6251.92	-2438.67
		-6208.69	-1.209e+04	5.52e-03	0.0	133.5	-1702.57	-2214.93	-205.80	1.466e+04	-1.209e+04	-6208.69
66	75	7.254e+04	7856.78	5.36e-03	-4368.58	0.0	-2260.33	2210.25	-218.10	1.457e+04	7856.78	-2116.55
		-2116.55	-1.166e+04	5.23e-03	0.0	133.5	-2260.33	-2158.33	-218.10	1.457e+04	-1.166e+04	1392.17
66	78	6.154e+04	4918.66	-5.08e-03	-4368.58	0.0	1397.95	1981.27	-97.71	6121.54	4918.66	1656.30
		-2.549e+04	1439.71	-4.09e-03	0.0	133.5	1397.95	-2387.31	-97.71	6121.54	1439.71	-2.549e+04
66	87	6.409e+04	6242.12	-3.71e-03	-4126.98	0.0	-376.42	1973.56	-154.25	1.008e+04	6242.12	1221.06
		-1.078e+04	-4990.65	5.57e-04	0.0	133.5	-376.42	-2153.42	-154.25	1.008e+04	-4990.65	-1.078e+04
66	88	6.676e+04	6387.72	-3.79e-03	-4368.58	0.0	-431.19	2095.76	-157.90	1.035e+04	6387.72	-230.12
		-1.205e+04	-5108.39	5.71e-04	0.0	133.5	-431.19	-2272.82	-157.90	1.035e+04	-5108.39	-1.205e+04
66	89	6.409e+04	6242.12	-3.71e-03	-4126.98	0.0	-376.42	1973.56	-154.25	1.008e+04	6242.12	1221.06
		-1.078e+04	-4990.65	5.57e-04	0.0	133.5	-376.42	-2153.42	-154.25	1.008e+04	-4990.65	-1.078e+04
66	91	7.300e+04	6727.45	-3.99e-03	-4932.32	0.0	-558.98	2380.89	-166.43	1.096e+04	6727.45	-3616.21
		-1.500e+04	-5383.12	6.03e-04	0.0	133.5	-558.98	-2551.43	-166.43	1.096e+04	-5383.12	-1.500e+04
66	92	7.423e+04	7014.57	-4.03e-03	-4932.32	0.0	-616.61	2371.35	-169.37	1.125e+04	7014.57	-1745.57
		-1.440e+04	-5505.49	6.18e-04	0.0	133.5	-616.61	-2560.96	-169.37	1.125e+04	-5505.49	-1.440e+04
66	95	7.279e+04	7156.10	-3.99e-03	-4690.71	0.0	-619.48	2239.61	-168.65	1.127e+04	7156.10	1576.26
		-1.254e+04	-5510.11	6.21e-04	0.0	133.5	-619.48	-2451.10	-168.65	1.127e+04	-5510.11	-1.254e+04
66	100	6.409e+04	6242.12	-3.71e-03	-4126.98	0.0	-376.42	1973.56	-154.25	1.008e+04	6242.12	1221.06
		-1.078e+04	-4990.65	5.57e-04	0.0	133.5	-376.42	-2153.42	-154.25	1.008e+04	-4990.65	-1.078e+04
66	101	6.854e+04	6484.78	-3.85e-03	-4529.65	0.0	-467.70	2177.23	-160.34	1.052e+04	6484.78	-1197.58
		-1.289e+04	-5186.88	5.80e-04	0.0	133.5	-467.70	-2352.42	-160.34	1.052e+04	-5186.88	-1.289e+04
66	104	6.725e+04	6502.57	-3.81e-03	-4368.58	0.0	-454.24	2091.94	-159.08	1.046e+04	6502.57	518.14
		-1.181e+04	-5157.34	5.77e-04	0.0	133.5	-454.24	-2276.64	-159.08	1.046e+04	-5157.34	-1.181e+04
66	105	6.409e+04	6242.12	-3.71e-03	-4126.98	0.0	-376.42	1973.56	-154.25	1.008e+04	6242.12	1221.06
		-1.078e+04	-4990.65	5.57e-04	0.0	133.5	-376.42	-2153.42	-154.25	1.008e+04	-4990.65	-1.078e+04
66	106	6.676e+04	6387.72	-3.79e-03	-4368.58	0.0	-431.19	2095.76	-157.90	1.035e+04	6387.72	-230.12

		-1.205e+04	-5108.39	5.71e-04	0.0	133.5	-431.19	-2272.82	-157.90	1.035e+04	-5108.39	-1.205e+04
67	7	5.043e+04	31.90	0.01	-447.90	0.0	191.81	-194.43	-0.77	193.88	31.90	5.043e+04
		6563.51	-43.54	1.07e-03	0.0	97.5	191.81	-642.33	-0.77	193.88	-43.54	6563.51
67	11	7.132e+04	62.70	0.02	-667.09	0.0	323.55	-252.34	-0.77	102.78	62.70	7.132e+04
		9982.64	-12.83	1.45e-03	0.0	97.5	323.55	-919.44	-0.77	102.78	-12.83	9982.64
67	15	7.307e+04	21.84	0.01	-598.46	0.0	238.13	-267.71	-1.24	632.23	21.84	7.307e+04
		1.342e+04	-99.03	1.31e-03	0.0	97.5	238.13	-866.17	-1.24	632.23	-99.03	1.342e+04
67	18	7.562e+04	40.38	0.02	-632.77	0.0	286.71	-283.30	-1.17	554.27	40.38	7.562e+04
		1.259e+04	-73.43	1.43e-03	0.0	97.5	286.71	-916.08	-1.17	554.27	-73.43	1.259e+04
67	19	5.685e+04	8.63	0.01	-447.90	0.0	167.21	-210.13	-1.05	601.82	8.63	5.685e+04
		1.112e+04	-93.99	9.78e-04	0.0	97.5	167.21	-658.02	-1.05	601.82	-93.99	1.112e+04
67	36	5.202e+04	756.43	1.90e-03	-454.94	0.0	138.79	-26.92	11.11	1597.92	-325.48	5.202e+04
		2.685e+04	-325.48	-4.27e-03	0.0	97.5	138.79	-481.85	11.11	1597.92	756.43	2.685e+04
67	37	4.937e+04	374.98	0.02	-454.94	0.0	228.27	-336.54	-12.59	-1184.27	374.98	4.937e+04
		-1.129e+04	-851.34	6.31e-03	0.0	97.5	228.27	-791.48	-12.59	-1184.27	-851.34	-1.129e+04
67	47	1.490e+04	-194.99	0.04	-454.94	0.0	-202.18	-1065.24	2.19	-2149.24	-433.99	1.490e+04
		-1.076e+05	-433.99	0.02	0.0	97.5	-202.18	-1520.18	2.19	-2149.24	-194.99	-1.076e+05
67	48	1.433e+05	502.03	-0.02	-454.94	0.0	466.24	859.35	3.26	3047.92	200.89	8.016e+04
		8.016e+04	200.89	-0.02	0.0	97.5	466.24	404.41	3.26	3047.92	502.03	1.433e+05
67	49	2.105e+04	-158.61	0.04	-454.94	0.0	-102.05	-1217.42	-4.66	-2638.78	-158.61	2.105e+04
		-1.273e+05	-597.15	0.02	0.0	97.5	-102.05	-1672.35	-4.66	-2638.78	-597.15	-1.273e+05
67	50	1.236e+05	476.27	-0.01	-454.94	0.0	566.37	707.17	-3.60	2558.38	476.27	8.631e+04
		8.631e+04	99.87	-0.02	0.0	97.5	566.37	252.23	-3.60	2558.38	99.87	1.236e+05
67	68	5.161e+04	398.85	5.68e-03	-454.94	0.0	155.23	-77.11	5.83	916.03	-169.01	5.161e+04
		2.042e+04	-169.01	-2.33e-03	0.0	97.5	155.23	-532.04	5.83	916.03	398.85	2.042e+04
67	69	4.986e+04	220.62	0.02	-454.94	0.0	211.40	-286.80	-7.31	-525.29	220.62	4.986e+04
		-4809.17	-491.11	4.33e-03	0.0	97.5	211.40	-741.74	-7.31	-525.29	-491.11	-4809.17
67	79	3.105e+04	-140.50	0.03	-454.94	0.0	-14.34	-736.08	0.63	-978.13	-215.38	3.105e+04
		-6.291e+04	-215.38	0.01	0.0	97.5	-14.34	-1191.02	0.63	-978.13	-140.50	-6.291e+04
67	80	8.932e+04	268.85	-5.22e-03	-454.94	0.0	326.20	455.62	1.65	1637.14	115.93	6.710e+04
		6.710e+04	115.93	-0.01	0.0	97.5	326.20	0.69	1.65	1637.14	268.85	6.710e+04
67	81	3.438e+04	-64.32	0.03	-454.94	0.0	40.44	-819.53	-3.13	-1246.39	-64.32	3.438e+04
		-7.371e+04	-361.11	0.01	0.0	97.5	40.44	-1274.47	-3.13	-1246.39	-361.11	-7.371e+04
67	82	8.076e+04	266.99	-4.62e-03	-454.94	0.0	380.98	372.18	-2.10	1368.87	266.99	7.043e+04
		7.043e+04	48.24	-0.01	0.0	97.5	380.98	-82.76	-2.10	1368.87	48.24	7.853e+04
67	87	5.069e+04	23.51	0.01	-454.94	0.0	179.04	-178.32	-0.73	199.42	23.51	5.069e+04
		8135.03	-47.95	9.77e-04	0.0	97.5	179.04	-633.26	-0.73	199.42	-47.95	8135.03
67	88	5.074e+04	25.81	0.01	-454.94	0.0	183.32	-181.95	-0.74	195.37	25.81	5.074e+04
		7807.25	-46.13	1.00e-03	0.0	97.5	183.32	-636.89	-0.74	195.37	-46.13	7807.25
67	91	5.085e+04	31.15	0.01	-454.94	0.0	193.29	-190.42	-0.75	185.92	31.15	5.085e+04
		7042.45	-41.89	1.05e-03	0.0	97.5	193.29	-645.36	-0.75	185.92	-41.89	7042.45
67	95	5.397e+04	42.89	0.01	-500.69	0.0	233.84	-190.64	-0.63	104.92	42.89	5.397e+04
		7784.67	-18.06	1.09e-03	0.0	97.5	233.84	-691.34	-0.63	104.92	-18.06	7784.67
67	96	5.513e+04	15.64	0.01	-454.94	0.0	176.89	-200.89	-0.94	457.88	15.64	5.513e+04
		1.008e+04	-75.53	9.90e-04	0.0	97.5	176.89	-655.82	-0.94	457.88	-75.53	1.008e+04
67	99	5.683e+04	28.00	0.01	-477.82	0.0	209.27	-211.28	-0.89	405.91	28.00	5.683e+04
		9521.47	-58.46	1.07e-03	0.0	97.5	209.27	-689.10	-0.89	405.91	-58.46	9521.47
67	100	5.069e+04	23.51	0.01	-454.94	0.0	179.04	-178.32	-0.73	199.42	23.51	5.069e+04
		8135.03	-47.95	9.77e-04	0.0	97.5	179.04	-633.26	-0.73	199.42	-47.95	8135.03
67	101	5.077e+04	27.33	0.01	-454.94	0.0	186.17	-184.37	-0.74	192.67	27.33	5.077e+04
		7588.74	-44.92	1.02e-03	0.0	97.5	186.17	-639.31	-0.74	192.67	-44.92	7588.74
67	104	5.137e+04	28.61	0.01	-464.09	0.0	192.28	-182.72	-0.71	178.36	28.61	5.137e+04
		7890.14	-41.00	1.01e-03	0.0	97.5	192.28	-646.81	-0.71	178.36	-41.00	7890.14
67	105	5.069e+04	23.51	0.01	-454.94	0.0	179.04	-178.32	-0.73	199.42	23.51	5.069e+04
		8135.03	-47.95	9.77e-04	0.0	97.5	179.04	-633.26	-0.73	199.42	-47.95	8135.03
67	106	5.074e+04	25.81	0.01	-454.94	0.0	183.32	-181.95	-0.74	195.37	25.81	5.074e+04
		7807.25	-46.13	1.00e-03	0.0	97.5	183.32	-636.89	-0.74	195.37	-46.13	7807.25
68	5	4.511e+04	46.25	5.01e-03	-405.00	0.0	310.78	-16.98	0.83	-478.57	-41.63	4.511e+04
		1.990e+04	-41.63	7.67e-04	0.0	105.8	310.78	-421.98	0.83	-478.57	46.25	1.990e+04
68	9	6.238e+04	15.73	6.92e-03	-584.84	0.0	516.07	-12.76	0.97	-533.92	-86.48	6.238e+04
		2.741e+04	-86.48	1.09e-03	0.0	105.8	516.07	-597.60	0.97	-533.92	15.73	2.741e+04
68	11	6.238e+04	15.61	6.89e-03	-584.84	0.0	516.21	-10.59	0.95	-529.30	-84.93	6.238e+04
		2.766e+04	-84.93	1.15e-03	0.0	105.8	516.21	-595.43	0.95	-529.30	15.61	2.766e+04
68	15	6.601e+04	86.60	7.33e-03	-537.63	0.0	437.69	-51.56	1.34	-1016.26	-55.67	6.601e+04
		2.901e+04	-55.67	1.05e-03	0.0	105.8	437.69	-589.19	1.34	-1016.26	86.60	2.901e+04
68	18	6.752e+04	68.54	7.47e-03	-561.24	0.0	483.15	-45.85	1.28	-976.43	-67.37	6.752e+04
		2.986e+04	-67.37	1.14e-03	0.0	105.8	483.15	-607.09	1.28	-976.43	68.54	2.986e+04
68	31	3.585e+04	999.49	0.01	-409.84	0.0	243.36	-288.61	14.37	343.45	-673.55	3.585e+04
		-1.893e+04	-673.55	-3.67e-03	0.0	105.8	243.36	-698.44	14.37	343.45	999.49	-1.893e+04
68	39	-9239.65	640.30	0.03	-409.84	0.0	-78.21	-1632.90	10.28	4086.39	-926.02	-9239.65
		-2.131e+05	-926.02	-0.02	0.0	105.8	-78.21	-2042.74	10.28	4086.39	640.30	-2.131e+05
68	40	2.278e+05	624.53	-0.02	-409.84	0.0	765.29	1427.27	-2.42	-5216.36	624.53	1.073e+05
		1.073e+05	-89.46	0.02	0.0	105.8	765.29	1017.43	-2.42	-5216.36	-89.46	2.278e+05
68	41	-1.644e+04	174.73	0.03	-409.84	0.0	-125.11	-1458.63	4.05	4277.15	-712.36	-1.644e+04
		-1.876e+05	-712.36	-0.01	0.0	105.8	-125.11	-1868.47	4.05	4277.15	174.73	-1.876e+05
68	42	2.533e+05	838.19	-0.02	-409.84	0.0	718.39	1601.54	-8.64	-5025.59	838.19	1.001e+05
		1.001e+05	-555.03	0.02	0.0	105.8	718.39	1191.70	-8.64	-5025.59	-555.03	2.533e+05
68	43	-1.047e+04	662.07	0.03	-409.84	0.0	-86.82	-1490.27	10.66	4006.68	-938.48	-1.047e+04
		-1.923e+05	-938.48	-0.01	0.0	105.8	-86.82	-1900.11	10.66	4006.68	662.07	-1.923e+05
68	63	4.015e+04	566.96	9.86e-03	-409.84	0.0	278.62	-163.92	8.23	30.68	-387.80	4.015e+04

		-1115.76	-387.80	-1.20e-03	0.0	105.8	278.62	-573.76	8.23	30.68	566.96	-1115.76
68	71	1.539e+04	364.70	0.02	-409.84	0.0	103.43	-899.27	5.88	2200.25	-521.07	1.539e+04
		-1.073e+05	-521.07	-6.39e-03	0.0	105.8	103.43	-1309.11	5.88	2200.25	364.70	-1.073e+05
68	72	1.336e+05	316.28	-0.01	-409.84	0.0	562.73	772.95	-0.83	-3239.72	316.28	7.941e+04
		7.941e+04	-23.97	7.84e-03	0.0	105.8	562.73	363.11	-0.83	-3239.72	-23.97	1.336e+05
68	73	1.143e+04	109.01	0.02	-409.84	0.0	77.53	-803.72	2.46	2300.71	-403.74	1.143e+04
		-9.338e+04	-403.74	-6.25e-03	0.0	105.8	77.53	-1213.56	2.46	2300.71	109.01	-9.338e+04
68	74	1.476e+05	433.61	-0.01	-409.84	0.0	536.83	868.49	-4.25	-3139.26	433.61	7.545e+04
		7.545e+04	-279.66	7.99e-03	0.0	105.8	536.83	458.66	-4.25	-3139.26	-279.66	1.476e+05
68	75	1.471e+04	376.70	0.02	-409.84	0.0	98.69	-820.80	6.09	2155.74	-527.95	1.471e+04
		-9.589e+04	-527.95	-6.28e-03	0.0	105.8	98.69	-1230.64	6.09	2155.74	376.70	-9.589e+04
68	87	4.542e+04	42.56	5.04e-03	-409.84	0.0	320.09	-16.01	0.82	-470.83	-44.17	4.542e+04
		2.005e+04	-44.17	7.80e-04	0.0	105.8	320.09	-425.85	0.82	-470.83	42.56	2.005e+04
68	88	4.542e+04	42.52	5.03e-03	-409.84	0.0	320.13	-15.39	0.81	-469.50	-43.73	4.542e+04
		2.012e+04	-43.73	7.98e-04	0.0	105.8	320.13	-425.23	0.81	-469.50	42.52	2.012e+04
68	89	4.542e+04	42.56	5.04e-03	-409.84	0.0	320.09	-16.01	0.82	-470.83	-44.17	4.542e+04
		2.005e+04	-44.17	7.80e-04	0.0	105.8	320.09	-425.85	0.82	-470.83	42.56	2.005e+04
68	93	4.744e+04	18.63	5.26e-03	-441.31	0.0	380.52	-11.29	0.76	-423.89	-61.85	4.744e+04
		2.084e+04	-61.85	8.20e-04	0.0	105.8	380.52	-452.60	0.76	-423.89	18.63	2.084e+04
68	95	4.744e+04	18.55	5.24e-03	-441.31	0.0	380.61	-9.84	0.75	-420.81	-60.81	4.744e+04
		2.101e+04	-60.81	8.62e-04	0.0	105.8	380.61	-451.15	0.75	-420.81	18.55	2.101e+04
68	96	4.985e+04	65.87	5.54e-03	-409.84	0.0	328.27	-37.16	1.01	-745.45	-41.31	4.985e+04
		2.191e+04	-41.31	7.92e-04	0.0	105.8	328.27	-447.00	1.01	-745.45	65.87	2.191e+04
68	99	5.086e+04	53.83	5.63e-03	-425.58	0.0	358.57	-33.35	0.97	-718.90	-49.11	5.086e+04
		2.248e+04	-49.11	8.55e-04	0.0	105.8	358.57	-458.93	0.97	-718.90	53.83	2.248e+04
68	100	4.542e+04	42.56	5.04e-03	-409.84	0.0	320.09	-16.01	0.82	-470.83	-44.17	4.542e+04
		2.005e+04	-44.17	7.80e-04	0.0	105.8	320.09	-425.85	0.82	-470.83	42.56	2.005e+04
68	102	4.582e+04	37.77	5.08e-03	-416.13	0.0	332.18	-15.06	0.81	-461.44	-47.71	4.582e+04
		2.021e+04	-47.71	7.88e-04	0.0	105.8	332.18	-431.20	0.81	-461.44	37.77	2.021e+04
68	104	4.582e+04	37.74	5.07e-03	-416.13	0.0	332.21	-14.44	0.80	-460.12	-47.26	4.582e+04
		2.028e+04	-47.26	8.06e-04	0.0	105.8	332.21	-430.58	0.80	-460.12	37.74	2.028e+04
68	105	4.542e+04	42.56	5.04e-03	-409.84	0.0	320.09	-16.01	0.82	-470.83	-44.17	4.542e+04
		2.005e+04	-44.17	7.80e-04	0.0	105.8	320.09	-425.85	0.82	-470.83	42.56	2.005e+04
68	106	4.542e+04	42.52	5.03e-03	-409.84	0.0	320.13	-15.39	0.81	-469.50	-43.73	4.542e+04
		2.012e+04	-43.73	7.98e-04	0.0	105.8	320.13	-425.23	0.81	-469.50	42.52	2.012e+04
69	11	6715.47	3573.07	0.02	-684.19	0.0	262.40	-986.92	35.86	2209.85	-12.80	6715.47
		-1.360e+05	-12.80	1.65e-03	0.0	100.0	262.40	-1671.11	35.86	2209.85	3573.07	-1.360e+05
69	15	9894.99	2837.48	0.02	-613.80	0.0	177.71	-1006.57	29.36	3708.00	-99.00	9894.99
		-1.321e+05	-99.00	1.47e-03	0.0	100.0	177.71	-1620.37	29.36	3708.00	2837.48	-1.321e+05
69	16	1.013e+04	3156.46	0.02	-648.99	0.0	207.88	-1037.27	32.36	3599.69	-79.76	1.013e+04
		-1.369e+05	-79.76	1.53e-03	0.0	100.0	207.88	-1686.27	32.36	3599.69	3156.46	-1.369e+05
69	18	8949.58	3191.71	0.02	-648.99	0.0	224.61	-1049.94	32.65	3601.36	-73.40	8949.58
		-1.394e+05	-73.40	1.61e-03	0.0	100.0	224.61	-1698.94	32.65	3601.36	3191.71	-1.394e+05
69	19	8334.85	2045.39	0.01	-459.38	0.0	120.61	-782.21	21.39	3187.40	-93.97	8334.85
		-1.012e+05	-93.97	1.10e-03	0.0	100.0	120.61	-1241.59	21.39	3187.40	2045.39	-1.012e+05
69	31	-5.584e+04	587.96	3.88e-03	-466.60	0.0	-388.00	-709.81	-16.22	2050.29	587.96	-5.584e+04
		-1.813e+05	-2106.92	-3.16e-03	0.0	100.0	-388.00	-1176.40	-16.22	2050.29	-2106.92	-1.813e+05
69	34	6.667e+04	6482.29	0.02	-466.60	0.0	671.25	-689.38	60.92	1738.82	-682.82	6.667e+04
		-8720.85	-682.82	5.45e-03	0.0	100.0	671.25	-1155.98	60.92	1738.82	6482.29	-8720.85
69	47	-1.708e+05	157.16	9.34e-03	-466.60	0.0	-986.81	-1459.34	2.39	-586.89	-194.94	-1.708e+05
		-3.464e+05	-194.94	2.29e-04	0.0	100.0	-986.81	-1925.93	2.39	-586.89	157.16	-3.464e+05
69	48	2.135e+05	2002.32	0.02	-466.60	0.0	1047.58	204.19	16.25	5434.88	502.02	2.135e+05
		2.007e+05	502.02	1.69e-03	0.0	100.0	1047.58	-262.40	16.25	5434.88	2002.32	2.007e+05
69	49	-2.007e+05	2361.70	0.01	-466.60	0.0	-768.76	-1597.92	28.35	-1657.98	-597.10	-2.007e+05
		-3.897e+05	-597.10	5.30e-04	0.0	100.0	-768.76	-2064.52	28.35	-1657.98	2361.70	-3.897e+05
69	50	1.821e+05	4206.86	0.02	-466.60	0.0	1265.62	65.61	42.20	4363.78	99.86	1.821e+05
		1.574e+05	99.86	1.99e-03	0.0	100.0	1265.62	-400.99	42.20	4363.78	4206.86	1.574e+05
69	66	4.135e+04	4575.75	0.02	-466.60	0.0	425.81	-673.47	43.77	1741.56	-390.75	4.135e+04
		-4.317e+04	-390.75	3.03e-03	0.0	100.0	425.81	-1140.07	43.77	1741.56	4575.75	-4.317e+04
69	69	-1.359e+04	4080.66	0.01	-466.60	0.0	132.24	-926.30	45.51	553.57	-491.08	-1.359e+04
		-1.234e+05	-491.08	1.45e-03	0.0	100.0	132.24	-1392.90	45.51	553.57	4080.66	-1.234e+05
69	79	-9.897e+04	971.88	8.90e-03	-466.60	0.0	-459.17	-1184.89	10.56	707.09	-140.43	-9.897e+04
		-2.480e+05	-140.43	2.14e-03	0.0	100.0	-459.17	-1651.49	10.56	707.09	971.88	-2.480e+05
69	80	1.262e+05	2192.77	0.02	-466.60	0.0	621.87	-139.15	19.87	3649.32	268.82	1.262e+05
		8.177e+04	268.82	-1.20e-04	0.0	100.0	621.87	-605.74	19.87	3649.32	2192.77	8.177e+04
69	81	-1.154e+05	2181.83	9.89e-03	-466.60	0.0	-339.66	-1260.57	24.80	115.97	-361.03	-1.154e+05
		-2.718e+05	-361.03	2.29e-03	0.0	100.0	-339.66	-1727.17	24.80	115.97	2181.83	-2.718e+05
69	82	1.098e+05	3402.73	0.02	-466.60	0.0	741.39	-214.83	34.11	3058.20	48.22	1.098e+05
		5.801e+04	48.22	1.09e-04	0.0	100.0	741.39	-681.42	34.11	3058.20	3402.73	5.801e+04
69	87	5777.29	2177.23	0.01	-466.60	0.0	136.33	-696.24	22.25	1882.17	-47.92	5777.29
		-9.427e+04	-47.92	1.10e-03	0.0	100.0	136.33	-1162.83	22.25	1882.17	2177.23	-9.427e+04
69	88	5439.48	2187.30	0.01	-466.60	0.0	141.11	-699.86	22.33	1882.64	-46.11	5439.48
		-9.500e+04	-46.11	1.12e-03	0.0	100.0	141.11	-1166.45	22.33	1882.64	2187.30	-9.500e+04
69	95	5304.97	2626.04	0.01	-513.53	0.0	187.71	-745.62	26.44	1738.87	-18.04	5304.97
		-1.024e+05	-18.04	1.23e-03	0.0	100.0	187.71	-1259.14	26.44	1738.87	2626.04	-1.024e+05
69	96	7424.65	2135.64	0.01	-466.60	0.0	131.25	-758.72	22.11	2737.64	-75.50	7424.65
		-9.976e+04	-75.50	1.11e-03	0.0	100.0	131.25	-1225.31	22.11	2737.64	2135.64	-9.976e+04
69	97	7582.60	2348.30	0.01	-490.06	0.0	151.37	-779.18	24.11	2665.43	-62.68	7582.60
		-1.030e+05	-62.68	1.15e-03	0.0	100.0	151.37	-1269.24	24.11	2665.43	2348.30	-1.030e+05
69	99	6794.38	2371.79	0.01	-490.06	0.0	162.52	-787.63	24.30	2666.55	-58.44	6794.38

		-1.047e+05	-58.44	1.21e-03	0.0	100.0	162.52	-1277.69	24.30	2666.55	2371.79	-1.047e+05
69	100	5777.29	2177.23	0.01	-466.60	0.0	136.33	-696.24	22.25	1882.17	-47.92	5777.29
		-9.427e+04	-47.92	1.10e-03	0.0	100.0	136.33	-1162.83	22.25	1882.17	2177.23	-9.427e+04
69	102	5840.47	2262.29	0.01	-475.98	0.0	144.38	-704.42	23.05	1853.28	-42.80	5840.47
		-9.556e+04	-42.80	1.11e-03	0.0	100.0	144.38	-1180.41	23.05	1853.28	2262.29	-9.556e+04
69	104	5502.66	2272.36	0.01	-475.98	0.0	149.16	-708.04	23.13	1853.76	-40.98	5502.66
		-9.629e+04	-40.98	1.14e-03	0.0	100.0	149.16	-1184.03	23.13	1853.76	2272.36	-9.629e+04
69	105	5777.29	2177.23	0.01	-466.60	0.0	136.33	-696.24	22.25	1882.17	-47.92	5777.29
		-9.427e+04	-47.92	1.10e-03	0.0	100.0	136.33	-1162.83	22.25	1882.17	2177.23	-9.427e+04
69	106	5439.48	2187.30	0.01	-466.60	0.0	141.11	-699.86	22.33	1882.64	-46.11	5439.48
		-9.500e+04	-46.11	1.12e-03	0.0	100.0	141.11	-1166.45	22.33	1882.64	2187.30	-9.500e+04
70	5	1.821e+04	46.27	8.32e-03	-350.78	0.0	301.47	-508.05	-20.07	-2205.03	46.27	1.821e+04
		-4.950e+04	-1793.90	6.04e-04	0.0	91.7	301.47	-858.83	-20.07	-2205.03	-1793.90	-4.950e+04
70	9	2.514e+04	15.75	0.01	-506.55	0.0	502.75	-702.32	-34.06	-2738.06	15.75	2.514e+04
		-6.931e+04	-3106.79	8.41e-04	0.0	91.7	502.75	-1208.88	-34.06	-2738.06	-3106.79	-6.931e+04
70	11	2.540e+04	15.64	0.01	-506.55	0.0	503.75	-700.10	-33.99	-2729.83	15.64	2.540e+04
		-6.883e+04	-3100.39	8.97e-04	0.0	91.7	503.75	-1206.65	-33.99	-2729.83	-3100.39	-6.883e+04
70	15	2.637e+04	86.62	0.01	-465.66	0.0	423.73	-759.10	-27.13	-4139.70	86.62	2.637e+04
		-7.237e+04	-2400.31	8.24e-04	0.0	91.7	423.73	-1224.76	-27.13	-4139.70	-2400.31	-7.237e+04
70	16	2.693e+04	68.68	0.01	-486.11	0.0	468.46	-776.27	-30.36	-4088.60	68.68	2.693e+04
		-7.443e+04	-2714.42	8.40e-04	0.0	91.7	468.46	-1262.38	-30.36	-4088.60	-2714.42	-7.443e+04
70	18	2.719e+04	68.56	0.01	-486.11	0.0	469.47	-774.04	-30.29	-4080.37	68.56	2.719e+04
		-7.395e+04	-2708.01	8.96e-04	0.0	91.7	469.47	-1260.15	-30.29	-4080.37	-2708.01	-7.395e+04
70	39	-3.175e+05	1851.41	-0.02	-354.98	0.0	-733.01	-2091.65	20.15	2098.02	640.46	-3.175e+05
		-5.308e+05	640.46	-0.02	0.0	91.7	-733.01	-2446.62	20.15	2098.02	1851.41	-5.308e+05
70	42	4.312e+05	-555.16	0.03	-354.98	0.0	1354.81	1069.68	-61.58	-6481.58	-555.16	4.312e+05
		3.543e+05	-5563.79	0.02	0.0	91.7	1354.81	714.71	-61.58	-6481.58	-5563.79	3.543e+05
70	44	4.216e+05	-67.81	0.04	-354.98	0.0	1335.49	1038.93	-91.79	-6028.56	-67.81	4.216e+05
		3.475e+05	-7849.83	0.02	0.0	91.7	1335.49	683.95	-91.79	-6028.56	-7849.83	3.475e+05
70	45	-3.107e+05	4137.45	-0.02	-354.98	0.0	-713.69	-2060.89	50.36	1645.01	153.12	-3.107e+05
		-5.212e+05	153.12	-0.02	0.0	91.7	-713.69	-2415.86	50.36	1645.01	4137.45	-5.212e+05
70	71	-1.655e+05	364.83	-6.05e-03	-354.98	0.0	-258.36	-1374.69	0.95	329.28	364.83	-1.655e+05
		-3.128e+05	105.39	-7.87e-03	0.0	91.7	-258.36	-1729.67	0.95	329.28	105.39	-3.128e+05
70	74	2.138e+05	-279.75	0.02	-354.98	0.0	880.46	353.33	-42.37	-4711.79	-279.75	2.023e+05
		2.023e+05	-3816.93	9.13e-03	0.0	91.7	880.46	-1.65	-42.37	-4711.79	-3816.93	2.134e+05
70	76	2.088e+05	-12.07	0.02	-354.98	0.0	870.02	336.71	-59.00	-4463.86	-12.07	1.986e+05
		1.986e+05	-5075.84	9.13e-03	0.0	91.7	870.02	-18.27	-59.00	-4463.86	-5075.84	2.081e+05
70	77	-1.618e+05	1364.30	-6.43e-03	-354.98	0.0	-247.92	-1358.07	17.58	81.34	97.14	-1.618e+05
		-3.076e+05	97.14	-7.87e-03	0.0	91.7	-247.92	-1713.05	17.58	81.34	1364.30	-3.076e+05
70	87	1.835e+04	42.57	8.38e-03	-354.98	0.0	310.76	-511.32	-20.73	-2193.61	42.57	1.835e+04
		-4.986e+04	-1857.60	6.14e-04	0.0	91.7	310.76	-866.29	-20.73	-2193.61	-1857.60	-4.986e+04
70	88	1.843e+04	42.54	8.38e-03	-354.98	0.0	311.05	-510.68	-20.71	-2191.26	42.54	1.843e+04
		-4.973e+04	-1855.77	6.30e-04	0.0	91.7	311.05	-865.66	-20.71	-2191.26	-1855.77	-4.973e+04
70	89	1.835e+04	42.57	8.38e-03	-354.98	0.0	310.76	-511.32	-20.73	-2193.61	42.57	1.835e+04
		-4.986e+04	-1857.60	6.14e-04	0.0	91.7	310.76	-866.29	-20.73	-2193.61	-1857.60	-4.986e+04
70	93	1.911e+04	18.64	8.75e-03	-382.24	0.0	370.41	-534.21	-25.04	-2125.47	18.64	1.911e+04
		-5.261e+04	-2276.41	6.36e-04	0.0	91.7	370.41	-916.45	-25.04	-2125.47	-2276.41	-5.261e+04
70	95	1.928e+04	18.56	8.76e-03	-382.24	0.0	371.08	-532.73	-24.99	-2119.99	18.56	1.928e+04
		-5.229e+04	-2272.14	6.73e-04	0.0	91.7	371.08	-914.97	-24.99	-2119.99	-2272.14	-5.229e+04
70	96	1.993e+04	65.89	9.13e-03	-354.98	0.0	317.73	-572.06	-20.41	-3059.90	65.89	1.993e+04
		-5.465e+04	-1805.42	6.25e-04	0.0	91.7	317.73	-927.04	-20.41	-3059.90	-1805.42	-5.465e+04
70	97	2.031e+04	53.92	9.32e-03	-368.61	0.0	347.55	-583.51	-22.57	-3025.83	53.92	2.031e+04
		-5.602e+04	-2014.83	6.35e-04	0.0	91.7	347.55	-952.12	-22.57	-3025.83	-2014.83	-5.602e+04
70	99	2.048e+04	53.85	9.33e-03	-368.61	0.0	348.22	-582.03	-22.52	-3020.34	53.85	2.048e+04
		-5.570e+04	-2010.56	6.73e-04	0.0	91.7	348.22	-950.63	-22.52	-3020.34	-2010.56	-5.570e+04
70	100	1.835e+04	42.57	8.38e-03	-354.98	0.0	310.76	-511.32	-20.73	-2193.61	42.57	1.835e+04
		-4.986e+04	-1857.60	6.14e-04	0.0	91.7	310.76	-866.29	-20.73	-2193.61	-1857.60	-4.986e+04
70	102	1.850e+04	37.79	8.45e-03	-360.43	0.0	322.69	-515.90	-21.59	-2179.98	37.79	1.850e+04
		-5.041e+04	-1941.36	6.19e-04	0.0	91.7	322.69	-876.33	-21.59	-2179.98	-1941.36	-5.041e+04
70	104	1.858e+04	37.75	8.46e-03	-360.43	0.0	322.98	-515.26	-21.57	-2177.63	37.75	1.858e+04
		-5.028e+04	-1939.53	6.35e-04	0.0	91.7	322.98	-875.69	-21.57	-2177.63	-1939.53	-5.028e+04
70	105	1.835e+04	42.57	8.38e-03	-354.98	0.0	310.76	-511.32	-20.73	-2193.61	42.57	1.835e+04
		-4.986e+04	-1857.60	6.14e-04	0.0	91.7	310.76	-866.29	-20.73	-2193.61	-1857.60	-4.986e+04
70	106	1.843e+04	42.54	8.38e-03	-354.98	0.0	311.05	-510.68	-20.71	-2191.26	42.54	1.843e+04
		-4.973e+04	-1855.77	6.30e-04	0.0	91.7	311.05	-865.66	-20.71	-2191.26	-1855.77	-4.973e+04
71	5	1.710e+05	21.47	0.02	-2196.22	0.0	-259.84	168.43	-0.80	-715.66	21.47	1.708e+05
		6.165e+04	-66.67	1.03e-03	0.0	109.8	-259.84	-2027.79	-0.80	-715.66	-66.67	6.165e+04
71	7	1.709e+05	28.86	0.02	-2196.22	0.0	-284.99	166.13	-0.88	-580.62	28.86	1.707e+05
		6.124e+04	-68.19	1.15e-03	0.0	109.8	-284.99	-2030.10	-0.88	-580.62	-68.19	6.124e+04
71	9	2.778e+05	38.18	0.04	-3653.56	0.0	-405.75	311.52	-1.26	-1995.37	38.18	2.771e+05
		9.983e+04	-99.84	1.47e-03	0.0	109.8	-405.75	-3342.04	-1.26	-1995.37	-99.84	9.983e+04
71	11	2.777e+05	43.35	0.04	-3653.56	0.0	-423.36	309.90	-1.31	-1900.84	43.35	2.771e+05
		9.954e+04	-100.90	1.55e-03	0.0	109.8	-423.36	-3343.65	-1.31	-1900.84	-100.90	9.954e+04
71	18	2.623e+05	28.18	0.03	-3330.52	0.0	-399.68	239.83	-1.23	-859.93	28.18	2.620e+05
		9.461e+04	-107.45	1.53e-03	0.0	109.8	-399.68	-3090.70	-1.23	-859.93	-107.45	9.461e+04
71	31	1.419e+05	314.34	0.05	-2262.49	0.0	-310.45	-360.35	-0.45	-6571.98	314.34	1.419e+05
		-1.976e+04	-119.92	3.23e-03	0.0	109.8	-310.45	-2622.83	-0.45	-6571.98	-119.92	-1.976e+04
71	34	2.164e+05	-21.74	-7.99e-03	-2262.49	0.0	-240.98	711.25	-1.22	4934.55	-272.46	2.087e+05
		1.462e+05	-272.46	-1.05e-03	0.0	109.8	-240.98	-1551.24	-1.22	4934.55	-21.74	1.462e+05
71	40	1.807e+05	968.86	0.04	-2262.49	0.0	3738.39	110.27	3.06	4594.04	-630.77	1.807e+05

		5.056e+04	-630.77	2.08e-03	0.0	109.8	3738.39	-2152.21	3.06	4594.04	968.86	5.056e+04
71	41	1.718e+05	654.49	0.01	-2262.49	0.0	-4275.68	239.49	-4.65	-6464.42	654.49	1.700e+05
		7.589e+04	-1120.31	5.79e-05	0.0	109.8	-4275.68	-2022.99	-4.65	-6464.42	-1120.31	7.589e+04
71	63	1.575e+05	185.68	0.04	-2262.49	0.0	-299.09	-118.32	-0.64	-3961.68	185.68	1.575e+05
		1.762e+04	-95.51	2.76e-03	0.0	109.8	-299.09	-2380.81	-0.64	-3961.68	-95.51	1.762e+04
71	66	1.962e+05	-40.82	0.01	-2262.49	0.0	-245.18	469.33	-1.05	2425.09	-137.11	1.931e+05
		1.087e+05	-137.11	-6.19e-04	0.0	109.8	-245.18	-1793.16	-1.05	2425.09	-40.82	1.087e+05
71	72	1.783e+05	504.68	0.03	-2262.49	0.0	1942.70	139.17	1.29	2383.55	-329.35	1.783e+05
		5.622e+04	-329.35	-3.14e-05	0.0	109.8	1942.70	-2123.31	1.29	2383.55	504.68	5.622e+04
71	73	1.732e+05	377.91	0.02	-2262.49	0.0	-2486.97	211.83	-2.97	-3920.13	377.91	1.732e+05
		7.013e+04	-641.02	2.17e-03	0.0	109.8	-2486.97	-2050.65	-2.97	-3920.13	-641.02	7.013e+04
71	87	1.756e+05	22.81	0.02	-2262.49	0.0	-267.11	175.97	-0.83	-795.30	22.81	1.753e+05
		6.326e+04	-67.86	1.05e-03	0.0	109.8	-267.11	-2086.52	-0.83	-795.30	-67.86	6.326e+04
71	88	1.756e+05	24.28	0.02	-2262.49	0.0	-272.14	175.50	-0.84	-768.29	24.28	1.753e+05
		6.318e+04	-68.17	1.07e-03	0.0	109.8	-272.14	-2086.98	-0.84	-768.29	-68.17	6.318e+04
71	89	1.756e+05	22.81	0.02	-2262.49	0.0	-267.11	175.97	-0.83	-795.30	22.81	1.753e+05
		6.326e+04	-67.86	1.05e-03	0.0	109.8	-267.11	-2086.52	-0.83	-795.30	-67.86	6.326e+04
71	91	1.756e+05	27.73	0.02	-2262.49	0.0	-283.88	174.43	-0.88	-705.27	27.73	1.753e+05
		6.298e+04	-68.87	1.13e-03	0.0	109.8	-283.88	-2088.06	-0.88	-705.27	-68.87	6.298e+04
71	93	2.055e+05	27.61	0.03	-2693.19	0.0	-301.27	226.12	-0.93	-1383.19	27.61	2.051e+05
		7.392e+04	-74.81	1.10e-03	0.0	109.8	-301.27	-2467.07	-0.93	-1383.19	-74.81	7.392e+04
71	95	2.055e+05	31.06	0.03	-2693.19	0.0	-313.01	225.04	-0.97	-1320.17	31.06	2.051e+05
		7.372e+04	-75.52	1.16e-03	0.0	109.8	-313.01	-2468.15	-0.97	-1320.17	-75.52	7.372e+04
71	99	1.952e+05	20.94	0.03	-2477.84	0.0	-297.22	178.33	-0.92	-626.23	20.94	1.950e+05
		7.043e+04	-79.89	1.15e-03	0.0	109.8	-297.22	-2299.51	-0.92	-626.23	-79.89	7.043e+04
71	100	1.756e+05	22.81	0.02	-2262.49	0.0	-267.11	175.97	-0.83	-795.30	22.81	1.753e+05
		6.326e+04	-67.86	1.05e-03	0.0	109.8	-267.11	-2086.52	-0.83	-795.30	-67.86	6.326e+04
71	101	1.756e+05	25.27	0.02	-2262.49	0.0	-275.49	175.20	-0.85	-750.29	25.27	1.753e+05
		6.312e+04	-68.37	1.09e-03	0.0	109.8	-275.49	-2087.29	-0.85	-750.29	-68.37	6.312e+04
71	102	1.816e+05	23.77	0.02	-2348.63	0.0	-273.94	186.00	-0.85	-912.88	23.77	1.813e+05
		6.539e+04	-69.25	1.06e-03	0.0	109.8	-273.94	-2162.63	-0.85	-912.88	-69.25	6.539e+04
71	104	1.816e+05	25.24	0.02	-2348.63	0.0	-278.97	185.54	-0.86	-885.87	25.24	1.813e+05
		6.531e+04	-69.56	1.08e-03	0.0	109.8	-278.97	-2163.09	-0.86	-885.87	-69.56	6.531e+04
71	105	1.756e+05	22.81	0.02	-2262.49	0.0	-267.11	175.97	-0.83	-795.30	22.81	1.753e+05
		6.326e+04	-67.86	1.05e-03	0.0	109.8	-267.11	-2086.52	-0.83	-795.30	-67.86	6.326e+04
71	106	1.756e+05	24.28	0.02	-2262.49	0.0	-272.14	175.50	-0.84	-768.29	24.28	1.753e+05
		6.318e+04	-68.17	1.07e-03	0.0	109.8	-272.14	-2086.98	-0.84	-768.29	-68.17	6.318e+04
72	5	5.516e+04	-54.83	0.04	-2195.66	0.0	-263.28	-1750.45	0.11	-2069.55	-66.65	5.516e+04
		-2.765e+05	-66.65	9.85e-04	0.0	109.8	-263.28	-3946.12	0.11	-2069.55	-54.83	-2.765e+05
72	9	8.969e+04	-90.20	0.06	-3652.62	0.0	-409.07	-2815.95	0.09	-5276.56	-99.81	8.969e+04
		-4.498e+05	-99.81	1.40e-03	0.0	109.8	-409.07	-6468.57	0.09	-5276.56	-90.20	-4.498e+05
72	11	8.936e+04	-97.25	0.06	-3652.62	0.0	-427.12	-2818.34	0.03	-5167.89	-100.87	8.936e+04
		-4.505e+05	-100.87	1.48e-03	0.0	109.8	-427.12	-6470.96	0.03	-5167.89	-97.25	-4.505e+05
72	18	8.452e+04	-78.96	0.06	-3329.68	0.0	-404.34	-2699.26	0.26	-2439.49	-107.42	8.452e+04
		-4.241e+05	-107.42	1.46e-03	0.0	109.8	-404.34	-6028.93	0.26	-2439.49	-78.96	-4.241e+05
72	19	5.762e+04	-43.45	0.04	-2195.66	0.0	-265.61	-1849.73	0.32	-398.96	-78.42	5.762e+04
		-2.866e+05	-78.42	1.00e-03	0.0	109.8	-265.61	-4045.39	0.32	-398.96	-43.45	-2.866e+05
72	32	-7.752e+04	444.35	0.02	-2261.91	0.0	1807.59	-2670.59	0.02	5914.93	444.35	-7.752e+04
		-5.118e+05	-19.87	5.14e-03	0.0	109.8	1807.59	-4932.50	0.02	5914.93	-19.87	-5.118e+05
72	33	1.907e+05	-87.91	0.06	-2261.91	0.0	-2366.66	-921.45	0.29	-1.050e+04	-585.98	1.907e+05
		-5.657e+04	-585.98	-3.05e-03	0.0	109.8	-2366.66	-3183.36	0.29	-1.050e+04	-87.91	-5.657e+04
72	40	-3184.79	969.11	0.03	-2261.91	0.0	3958.68	-2227.31	5.83	8989.27	969.11	-3184.79
		-3.869e+05	213.87	2.98e-03	0.0	109.8	3958.68	-4489.22	5.83	8989.27	213.87	-3.869e+05
72	41	1.164e+05	-296.13	0.04	-2261.91	0.0	-4503.68	-1364.84	-5.20	-1.379e+04	-1120.51	1.164e+05
		-1.812e+05	-1120.51	-9.49e-04	0.0	109.8	-4503.68	-3626.75	-5.20	-1.379e+04	-296.13	-1.812e+05
72	64	-1.717e+04	213.94	0.02	-2261.91	0.0	872.32	-2274.60	0.02	2305.56	213.94	-1.717e+04
		-4.093e+05	-39.24	2.80e-03	0.0	109.8	872.32	-4536.51	0.02	2305.56	-39.24	-4.093e+05
72	65	1.302e+05	-78.90	0.05	-2261.91	0.0	-1423.62	-1317.80	0.15	-6791.71	-350.23	1.302e+05
		-1.592e+05	-350.23	-7.45e-04	0.0	109.8	-1423.62	-3579.71	0.15	-6791.71	-78.90	-1.592e+05
72	72	2.377e+04	504.80	0.03	-2261.91	0.0	2067.07	-2030.98	3.13	4165.80	504.80	2.377e+04
		-3.408e+05	83.45	4.52e-04	0.0	109.8	2067.07	-4292.89	3.13	4165.80	83.45	-3.408e+05
72	73	8.929e+04	-201.59	0.04	-2261.91	0.0	-2618.37	-1561.42	-2.97	-8651.94	-641.09	8.929e+04
		-2.278e+05	-641.09	1.60e-03	0.0	109.8	-2618.37	-3823.33	-2.97	-8651.94	-201.59	-2.278e+05
72	87	5.662e+04	-57.06	0.04	-2261.91	0.0	-270.49	-1795.52	0.10	-2274.12	-67.85	5.662e+04
		-2.841e+05	-67.85	1.00e-03	0.0	109.8	-270.49	-4057.43	0.10	-2274.12	-57.06	-2.841e+05
72	88	5.653e+04	-59.07	0.04	-2261.91	0.0	-275.65	-1796.20	0.08	-2243.07	-68.15	5.653e+04
		-2.843e+05	-68.15	1.03e-03	0.0	109.8	-275.65	-4058.11	0.08	-2243.07	-59.07	-2.843e+05
72	89	5.662e+04	-57.06	0.04	-2261.91	0.0	-270.49	-1795.52	0.10	-2274.12	-67.85	5.662e+04
		-2.841e+05	-67.85	1.00e-03	0.0	109.8	-270.49	-4057.43	0.10	-2274.12	-57.06	-2.841e+05
72	93	6.637e+04	-66.26	0.04	-2692.51	0.0	-303.97	-2086.66	0.08	-3684.54	-74.79	6.637e+04
		-3.327e+05	-74.79	1.05e-03	0.0	109.8	-303.97	-4779.17	0.08	-3684.54	-66.26	-3.327e+05
72	95	6.615e+04	-70.96	0.04	-2692.51	0.0	-316.00	-2088.25	0.04	-3612.10	-75.50	6.615e+04
		-3.332e+05	-75.50	1.11e-03	0.0	109.8	-316.00	-4780.76	0.04	-3612.10	-70.96	-3.332e+05
72	96	5.826e+04	-49.46	0.04	-2261.91	0.0	-272.05	-1861.70	0.24	-1160.40	-75.69	5.826e+04
		-2.908e+05	-75.69	1.01e-03	0.0	109.8	-272.05	-4123.61	0.24	-1160.40	-49.46	-2.908e+05
72	99	6.292e+04	-58.76	0.04	-2477.21	0.0	-300.82	-2008.86	0.19	-1793.16	-79.87	6.292e+04
		-3.156e+05	-79.87	1.10e-03	0.0	109.8	-300.82	-4486.07	0.19	-1793.16	-58.76	-3.156e+05
72	100	5.662e+04	-57.06	0.04	-2261.91	0.0	-270.49	-1795.52	0.10	-2274.12	-67.85	5.662e+04
		-2.841e+05	-67.85	1.00e-03	0.0	109.8	-270.49	-4057.43	0.10	-2274.12	-57.06	-2.841e+05
72	102	5.857e+04	-58.90	0.04	-2348.03	0.0	-277.19	-1853.75	0.09	-2556.21	-69.23	5.857e+04

		-2.938e+05	-69.23	1.01e-03	0.0	109.8	-277.19	-4201.77	0.09	-2556.21	-58.90	-2.938e+05
72	104	5.848e+04	-60.91	0.04	-2348.03	0.0	-282.35	-1854.43	0.08	-2525.16	-69.54	5.848e+04
		-2.940e+05	-69.54	1.04e-03	0.0	109.8	-282.35	-4202.46	0.08	-2525.16	-60.91	-2.940e+05
72	105	5.662e+04	-57.06	0.04	-2261.91	0.0	-270.49	-1795.52	0.10	-2274.12	-67.85	5.662e+04
		-2.841e+05	-67.85	1.00e-03	0.0	109.8	-270.49	-4057.43	0.10	-2274.12	-57.06	-2.841e+05
72	106	5.653e+04	-59.07	0.04	-2261.91	0.0	-275.65	-1796.20	0.08	-2243.07	-68.15	5.653e+04
		-2.843e+05	-68.15	1.03e-03	0.0	109.8	-275.65	-4058.11	0.08	-2243.07	-59.07	-2.843e+05
73	9	3.715e+04	242.00	2.75e-03	-4806.31	0.0	-223.94	4287.85	-6.64	7300.01	242.00	-2.507e+05
		-2.507e+05	-717.33	1.75e-03	0.0	144.5	-223.94	-518.46	-6.64	7300.01	-717.33	3.464e+04
73	11	3.883e+04	254.04	2.88e-03	-4806.31	0.0	-240.30	4294.00	-6.67	7548.42	254.04	-2.497e+05
		-2.497e+05	-709.24	1.85e-03	0.0	144.5	-240.30	-512.31	-6.67	7548.42	-709.24	3.636e+04
73	18	3.737e+04	258.70	2.81e-03	-4381.35	0.0	-229.95	3976.59	-6.63	7420.91	258.70	-2.342e+05
		-2.342e+05	-699.01	1.83e-03	0.0	144.5	-229.95	-404.76	-6.63	7420.91	-699.01	3.569e+04
73	19	2.465e+04	177.18	1.80e-03	-2889.16	0.0	-150.67	2656.04	-4.64	5088.84	177.18	-1.591e+05
		-1.591e+05	-493.96	1.26e-03	0.0	144.5	-150.67	-233.13	-4.64	5088.84	-493.96	2.385e+04
73	32	1.663e+05	374.49	-0.01	-2976.33	0.0	2857.44	1624.63	-14.20	4973.63	374.49	9.660e+04
		9.660e+04	-1722.76	0.04	0.0	144.5	2857.44	-1351.71	-14.20	4973.63	-1722.76	1.265e+05
73	33	-7.923e+04	804.11	0.02	-2976.33	0.0	-3188.80	3755.60	5.46	4662.00	-31.45	-4.129e+05
		-4.129e+05	-31.45	-0.03	0.0	144.5	-3188.80	779.27	5.46	4662.00	804.11	-7.923e+04
73	40	1.076e+05	329.22	0.02	-2976.33	0.0	5103.77	1879.19	-15.01	9297.62	329.22	1.240e+04
		1.240e+04	-1971.50	5.46e-03	0.0	144.5	5103.77	-1097.15	-15.01	9297.62	-1971.50	8.362e+04
73	41	-3.683e+04	1041.65	-0.02	-2976.33	0.0	-5422.88	3495.00	6.12	-605.20	24.95	-3.290e+05
		-3.290e+05	24.95	-2.90e-03	0.0	144.5	-5422.88	518.66	6.12	-605.20	1041.65	-3.290e+05
73	52	8.667e+04	307.06	0.02	-2976.33	0.0	1861.49	1845.61	-15.86	7204.68	307.06	-2847.21
		-2847.21	-1992.56	-1.86e-04	0.0	144.5	1861.49	-1130.73	-15.86	7204.68	-1992.56	5.974e+04
73	53	-1.296e+04	1062.71	-0.02	-2976.33	0.0	-2180.60	3528.58	6.97	1487.74	47.10	-3.138e+05
		-3.138e+05	47.10	2.75e-03	0.0	144.5	-2180.60	552.24	6.97	1487.74	1062.71	-1.296e+04
73	64	9.594e+04	276.25	-6.45e-03	-2976.33	0.0	1508.95	2092.19	-9.70	5140.81	276.25	-1.655e+04
		-1.655e+04	-1151.15	0.02	0.0	144.5	1508.95	-884.14	-9.70	5140.81	-1151.15	7.968e+04
73	65	-3.237e+04	236.07	9.08e-03	-2976.33	0.0	-1830.05	3288.78	1.05	4875.46	58.64	-2.995e+05
		-2.995e+05	58.64	-0.02	0.0	144.5	-1830.05	312.45	1.05	4875.46	236.07	-3.237e+04
73	72	6.657e+04	240.24	0.01	-2976.33	0.0	2770.77	2203.21	-10.05	7794.27	240.24	-5.945e+04
		-5.945e+04	-1286.08	1.41e-03	0.0	144.5	2770.77	-773.12	-10.05	7794.27	-1286.08	5.481e+04
73	73	-7501.20	371.00	-9.68e-03	-2976.33	0.0	-3091.87	3177.76	1.40	2222.00	94.65	-2.566e+05
		-2.566e+05	94.65	1.16e-03	0.0	144.5	-3091.87	201.43	1.40	2222.00	371.00	-7501.20
73	84	5.460e+04	227.95	0.01	-2976.33	0.0	962.91	2184.74	-10.51	6636.25	227.95	-6.784e+04
		-6.784e+04	-1294.81	-1.69e-03	0.0	144.5	962.91	-791.59	-10.51	6636.25	-1294.81	4.166e+04
73	85	5651.14	379.73	-0.01	-2976.33	0.0	-1284.02	3196.23	1.86	3380.02	106.94	-2.483e+05
		-2.483e+05	106.94	4.27e-03	0.0	144.5	-1284.02	219.90	1.86	3380.02	379.73	5651.14
73	87	2.442e+04	164.01	1.70e-03	-2976.33	0.0	-155.88	2688.73	-4.32	4937.16	164.01	-1.583e+05
		-1.583e+05	-459.85	1.26e-03	0.0	144.5	-155.88	-287.60	-4.32	4937.16	-459.85	2.316e+04
73	88	2.490e+04	167.45	1.74e-03	-2976.33	0.0	-160.55	2690.49	-4.33	5008.13	167.45	-1.580e+05
		-1.580e+05	-457.54	1.29e-03	0.0	144.5	-160.55	-285.85	-4.33	5008.13	-457.54	2.365e+04
73	93	2.757e+04	180.58	2.02e-03	-3542.94	0.0	-167.63	3167.49	-4.94	5453.11	180.58	-1.855e+05
		-1.855e+05	-532.68	1.32e-03	0.0	144.5	-167.63	-375.45	-4.94	5453.11	-532.68	2.578e+04
73	95	2.869e+04	188.61	2.11e-03	-3542.94	0.0	-178.53	3171.59	-4.95	5618.72	188.61	-1.849e+05
		-1.849e+05	-527.29	1.39e-03	0.0	144.5	-178.53	-371.34	-4.95	5618.72	-527.29	2.693e+04
73	96	2.502e+04	175.41	1.81e-03	-2976.33	0.0	-154.86	2716.51	-4.60	5110.12	175.41	-1.616e+05
		-1.616e+05	-489.45	1.28e-03	0.0	144.5	-154.86	-259.83	-4.60	5110.12	-489.45	2.402e+04
73	99	2.772e+04	191.72	2.06e-03	-3259.63	0.0	-171.63	2959.99	-4.93	5533.71	191.72	-1.745e+05
		-1.745e+05	-520.47	1.38e-03	0.0	144.5	-171.63	-299.65	-4.93	5533.71	-520.47	2.648e+04
73	100	2.442e+04	164.01	1.70e-03	-2976.33	0.0	-155.88	2688.73	-4.32	4937.16	164.01	-1.583e+05
		-1.583e+05	-459.85	1.26e-03	0.0	144.5	-155.88	-287.60	-4.32	4937.16	-459.85	2.316e+04
73	101	2.522e+04	169.74	1.76e-03	-2976.33	0.0	-163.67	2691.66	-4.33	5055.45	169.74	-1.579e+05
		-1.579e+05	-456.00	1.31e-03	0.0	144.5	-163.67	-284.67	-4.33	5055.45	-456.00	2.398e+04
73	102	2.505e+04	167.32	1.77e-03	-3089.65	0.0	-158.23	2784.48	-4.44	5040.35	167.32	-1.638e+05
		-1.638e+05	-474.42	1.27e-03	0.0	144.5	-158.23	-305.17	-4.44	5040.35	-474.42	2.369e+04
73	104	2.553e+04	170.76	1.80e-03	-3089.65	0.0	-162.90	2786.24	-4.45	5111.32	170.76	-1.635e+05
		-1.635e+05	-472.11	1.30e-03	0.0	144.5	-162.90	-303.41	-4.45	5111.32	-472.11	2.418e+04
73	105	2.442e+04	164.01	1.70e-03	-2976.33	0.0	-155.88	2688.73	-4.32	4937.16	164.01	-1.583e+05
		-1.583e+05	-459.85	1.26e-03	0.0	144.5	-155.88	-287.60	-4.32	4937.16	-459.85	2.316e+04
73	106	2.490e+04	167.45	1.74e-03	-2976.33	0.0	-160.55	2690.49	-4.33	5008.13	167.45	-1.580e+05
		-1.580e+05	-457.54	1.29e-03	0.0	144.5	-160.55	-285.85	-4.33	5008.13	-457.54	2.365e+04
74	4	4.233e+04	-1789.05	-8.99e-03	-2027.64	0.0	214.09	893.56	56.30	-3250.85	-6911.38	1.870e+04
		4268.09	-6911.38	6.16e-04	0.0	120.0	214.09	-1134.08	56.30	-3250.85	-1789.05	4268.09
74	5	2.914e+04	-1300.83	-6.11e-03	-1442.79	0.0	144.57	645.85	32.90	-1569.17	-4325.75	1.181e+04
		2739.89	-4325.75	4.26e-04	0.0	120.0	144.57	-796.95	32.90	-1569.17	-1300.83	2739.89
74	7	3.238e+04	-1192.03	-6.65e-03	-1571.18	0.0	145.80	699.41	31.08	-2099.86	-4091.63	1.371e+04
		3368.40	-4091.63	3.83e-04	0.0	120.0	145.80	-871.77	31.08	-2099.86	-1192.03	3368.40
74	9	3.949e+04	-2051.94	-8.71e-03	-1899.26	0.0	229.63	833.56	68.78	-3116.01	-8208.92	1.754e+04
		3613.82	-8208.92	7.34e-04	0.0	120.0	229.63	-1065.70	68.78	-3116.01	-2051.94	3613.82
74	11	4.176e+04	-1975.78	-9.09e-03	-1989.12	0.0	230.49	871.06	67.51	-3487.49	-8045.03	1.887e+04
		4053.77	-8045.03	7.05e-04	0.0	120.0	230.49	-1118.07	67.51	-3487.49	-1975.78	4053.77
74	20	2.953e+04	-1487.44	-6.51e-03	-1442.79	0.0	164.96	637.15	43.49	-1846.70	-5353.75	1.265e+04
		2536.61	-5353.75	5.21e-04	0.0	120.0	164.96	-805.65	43.49	-1846.70	-1487.44	2536.61
74	30	3.338e+04	3323.37	0.01	-1478.74	0.0	186.54	522.40	63.25	-2.233e+04	-3425.70	2.239e+04
		-3746.59	-3425.70	-5.03e-04	0.0	120.0	186.54	-956.34	63.25	-2.233e+04	3323.37	-3746.59
74	33	3.135e+04	4533.39	-0.02	-1478.74	0.0	201.96	621.72	63.45	-2.474e+04	-2011.04	1.555e+04
		1759.36	-2011.04	9.59e-04	0.0	120.0	201.96	-857.02	63.45	-2.474e+04	4533.39	1759.36
74	40	2.817e+04	-4863.08	0.04	-1478.74	0.0	413.73	592.06	37.39	8190.58	-8501.30	1.445e+04

		-4405.93	-8501.30	-2.48e-03	0.0	120.0	413.73	-886.68	37.39	8190.58	-4863.08	-4405.93
74	48	2.946e+04	-4423.44	0.06	-1478.74	0.0	-648.87	527.60	0.26	9810.38	-7199.14	1.827e+04
		-7352.25	-7199.14	-4.05e-03	0.0	120.0	-648.87	-951.14	0.26	9810.38	-4423.44	-7352.25
74	49	2.708e+04	1601.20	-0.07	-1478.74	0.0	898.78	865.99	63.43	-1.214e+04	-1937.26	-3418.07
		-3418.07	-1937.26	4.42e-03	0.0	120.0	898.78	-612.75	63.43	-1.214e+04	1601.20	1.199e+04
74	54	3.177e+04	-1289.47	0.06	-1478.74	0.0	-520.86	474.38	21.50	-3449.34	-6243.19	2.272e+04
		-9311.11	-6243.19	-3.96e-03	0.0	120.0	-520.86	-1004.36	21.50	-3449.34	-1289.47	-9311.11
74	65	3.104e+04	1923.54	-0.01	-1478.74	0.0	159.26	630.60	50.27	-1.442e+04	-2973.49	1.484e+04
		1966.01	-2973.49	8.97e-04	0.0	120.0	159.26	-848.14	50.27	-1.442e+04	1923.54	1966.01
74	72	3.161e+04	-3103.80	0.02	-1478.74	0.0	384.53	609.54	40.61	3279.19	-7096.08	1.687e+04
		652.53	-7096.08	-2.07e-03	0.0	120.0	384.53	-869.20	40.61	3279.19	-3103.80	652.53
74	80	3.230e+04	-2852.34	0.03	-1478.74	0.0	-191.94	573.93	20.29	4171.18	-6366.38	1.899e+04
		-969.53	-6366.38	-2.93e-03	0.0	120.0	-191.94	-904.81	20.29	4171.18	-2852.34	-969.53
74	81	2.857e+04	248.39	-0.05	-1478.74	0.0	488.66	745.12	48.86	-7769.10	-2590.28	5997.00
		5997.00	-2590.28	3.53e-03	0.0	120.0	488.66	-733.62	48.86	-7769.10	248.39	6790.71
74	82	3.344e+04	-1151.54	0.03	-1478.74	0.0	-107.38	544.58	32.24	-3050.80	-5799.45	2.145e+04
		-2039.32	-5799.45	-2.82e-03	0.0	120.0	-107.38	-934.16	32.24	-3050.80	-1151.54	-2039.32
74	87	2.949e+04	-1323.74	-6.20e-03	-1453.07	0.0	148.11	648.81	34.94	-1692.83	-4525.16	1.211e+04
		2784.89	-4525.16	4.38e-04	0.0	120.0	148.11	-804.25	34.94	-1692.83	-1323.74	2784.89
74	88	3.013e+04	-1301.98	-6.31e-03	-1478.74	0.0	148.36	659.52	34.58	-1798.96	-4478.33	1.249e+04
		2910.59	-4478.33	4.29e-04	0.0	120.0	148.36	-819.22	34.58	-1798.96	-1301.98	2910.59
74	89	2.949e+04	-1323.74	-6.20e-03	-1453.07	0.0	148.11	648.81	34.94	-1692.83	-4525.16	1.211e+04
		2784.89	-4525.16	4.38e-04	0.0	120.0	148.11	-804.25	34.94	-1692.83	-1323.74	2784.89
74	91	3.165e+04	-1251.20	-6.57e-03	-1538.66	0.0	148.93	684.52	33.73	-2046.61	-4369.07	1.338e+04
		3203.89	-4369.07	4.10e-04	0.0	120.0	148.93	-854.13	33.73	-2046.61	-1251.20	3203.89
74	92	3.192e+04	-1353.93	-6.75e-03	-1538.66	0.0	160.11	680.23	40.83	-2310.51	-5078.01	1.388e+04
		3186.72	-5078.01	4.61e-04	0.0	120.0	160.11	-858.42	40.83	-2310.51	-1353.93	3186.72
74	93	3.003e+04	-1529.19	-6.57e-03	-1453.07	0.0	170.47	640.24	49.15	-2220.61	-5943.03	1.311e+04
		2750.53	-5943.03	5.40e-04	0.0	120.0	170.47	-812.83	49.15	-2220.61	-1529.19	2750.53
74	95	3.154e+04	-1478.42	-6.82e-03	-1512.98	0.0	171.05	665.23	48.30	-2468.27	-5833.77	1.399e+04
		3043.84	-5833.77	5.20e-04	0.0	120.0	171.05	-847.74	48.30	-2468.27	-1478.42	3043.84
74	97	2.974e+04	-1448.14	-6.48e-03	-1453.07	0.0	161.70	643.01	42.00	-1877.84	-5210.49	1.267e+04
		2649.37	-5210.49	5.01e-04	0.0	120.0	161.70	-810.05	42.00	-1877.84	-1448.14	2649.37
74	100	2.949e+04	-1323.74	-6.20e-03	-1453.07	0.0	148.11	648.81	34.94	-1692.83	-4525.16	1.211e+04
		2784.89	-4525.16	4.38e-04	0.0	120.0	148.11	-804.25	34.94	-1692.83	-1323.74	2784.89
74	101	3.057e+04	-1287.47	-6.39e-03	-1495.86	0.0	148.52	666.67	34.33	-1869.72	-4447.11	1.275e+04
		2994.39	-4447.11	4.24e-04	0.0	120.0	148.52	-829.19	34.33	-1869.72	-1287.47	2994.39
74	102	2.960e+04	-1364.83	-6.28e-03	-1453.07	0.0	152.58	647.10	37.78	-1798.38	-4808.73	1.231e+04
		2778.02	-4808.73	4.58e-04	0.0	120.0	152.58	-805.97	37.78	-1798.38	-1364.83	2778.02
74	104	3.024e+04	-1343.07	-6.39e-03	-1478.74	0.0	152.83	657.81	37.42	-1904.52	-4761.91	1.269e+04
		2903.72	-4761.91	4.49e-04	0.0	120.0	152.83	-820.93	37.42	-1904.52	-1343.07	2903.72
74	105	2.949e+04	-1323.74	-6.20e-03	-1453.07	0.0	148.11	648.81	34.94	-1692.83	-4525.16	1.211e+04
		2784.89	-4525.16	4.38e-04	0.0	120.0	148.11	-804.25	34.94	-1692.83	-1323.74	2784.89
74	106	3.013e+04	-1301.98	-6.31e-03	-1478.74	0.0	148.36	659.52	34.58	-1798.96	-4478.33	1.249e+04
		2910.59	-4478.33	4.29e-04	0.0	120.0	148.36	-819.22	34.58	-1798.96	-1301.98	2910.59
75	4	2.916e+04	-2993.11	-1.84e-03	-996.09	0.0	-327.28	615.86	95.23	2709.51	-1.335e+04	6312.14
		6312.14	-1.335e+04	2.58e-04	0.0	120.0	-327.28	-380.23	95.23	2709.51	-2993.11	2.045e+04
75	5	1.935e+04	-1539.83	-1.31e-03	-649.30	0.0	-228.27	405.99	70.84	1006.90	-9346.61	4122.65
		4122.65	-9346.61	1.48e-04	0.0	120.0	-228.27	-243.30	70.84	1006.90	-1539.83	1.388e+04
75	11	2.906e+04	-2961.41	-1.87e-03	-957.58	0.0	-329.80	606.69	97.45	2278.54	-1.368e+04	6004.85
		6004.85	-1.368e+04	2.40e-04	0.0	120.0	-329.80	-350.89	97.45	2278.54	-2961.41	2.135e+04
75	12	2.069e+04	-1859.57	-1.40e-03	-649.30	0.0	-243.20	425.14	75.23	896.04	-1.027e+04	4026.65
		4026.65	-1.027e+04	-1.56e-04	0.0	120.0	-243.20	-224.16	75.23	896.04	-1859.57	1.609e+04
75	38	1.348e+04	1.295e+04	0.01	-685.24	0.0	358.31	264.31	186.36	-7754.40	-8670.21	6725.28
		-957.96	-8670.21	-3.62e-03	0.0	120.0	358.31	-420.93	186.36	-7754.40	1.295e+04	-957.96
75	40	4.240e+04	-1651.99	0.03	-685.24	0.0	3117.04	-477.06	201.84	-5738.32	-3.050e+04	4.240e+04
		-5.639e+04	-3.050e+04	-4.39e-03	0.0	120.0	3117.04	-1162.30	201.84	-5738.32	-1651.99	-5.639e+04
75	41	8.379e+04	9757.91	-0.03	-685.24	0.0	-3668.68	1371.32	-53.29	8256.91	9757.91	-4.009e+04
		-4.009e+04	-2153.08	4.55e-03	0.0	120.0	-3668.68	686.08	-53.29	8256.91	-2153.08	8.379e+04
75	44	4.204e+04	-1734.27	0.03	-685.24	0.0	3103.26	-471.93	201.13	-5703.37	-3.030e+04	4.204e+04
		-5.644e+04	-3.030e+04	-4.20e-03	0.0	120.0	3103.26	-1157.18	201.13	-5703.37	-1734.27	-5.644e+04
75	45	8.383e+04	9562.50	-0.03	-685.24	0.0	-3654.90	1366.19	-52.57	8221.97	9562.50	-3.972e+04
		-3.972e+04	-2070.80	4.36e-03	0.0	120.0	-3654.90	680.95	-52.57	8221.97	-2070.80	8.383e+04
75	70	1.626e+04	6476.59	7.60e-03	-685.24	0.0	143.32	330.50	131.24	-3743.47	-8222.31	6239.39
		5725.37	-8222.31	-2.62e-03	0.0	120.0	143.32	-354.74	131.24	-3743.47	6476.59	5725.37
75	72	2.729e+04	-1333.95	0.02	-685.24	0.0	1783.68	-90.10	128.08	-2677.93	-1.795e+04	2.729e+04
		-2.487e+04	-1.795e+04	-4.31e-03	0.0	120.0	1783.68	-775.35	128.08	-2677.93	-1333.95	-2.487e+04
75	73	5.346e+04	-1178.63	-0.02	-685.24	0.0	-2252.52	941.01	14.46	5369.99	-1178.63	-1.858e+04
		-1.858e+04	-2168.89	4.14e-03	0.0	120.0	-2252.52	255.76	14.46	5369.99	-2168.89	5.346e+04
75	76	2.710e+04	-1378.72	0.02	-685.24	0.0	1776.27	-87.39	127.69	-2652.81	-1.784e+04	2.710e+04
		-2.490e+04	-1.784e+04	-4.20e-03	0.0	120.0	1776.27	-772.64	127.69	-2652.81	-1378.72	-2.490e+04
75	77	5.349e+04	-1292.26	-0.02	-685.24	0.0	-2245.11	938.29	14.85	5344.87	-1292.26	-1.839e+04
		-1.839e+04	-2124.12	4.04e-03	0.0	120.0	-2245.11	253.05	14.85	5344.87	-2124.12	5.349e+04
75	87	1.970e+04	-1623.71	-1.32e-03	-659.57	0.0	-231.12	412.95	71.28	1095.67	-1623.71	1.416e+04
		4181.95	-9476.24	1.52e-04	0.0	120.0	-231.12	-246.61	71.28	1095.67	-1623.71	1.416e+04
75	88	2.020e+04	-1751.42	-1.33e-03	-685.24	0.0	-234.42	425.45	71.27	1346.03	-9563.97	4354.81
		4354.81	-9563.97	1.63e-04	0.0	120.0	-234.42	-259.79	71.27	1346.03	-1751.42	1.429e+04
75	89	1.970e+04	-1623.71	-1.32e-03	-659.57	0.0	-231.12	412.95	71.28	1095.67	-9476.24	1.416e+04
		4181.95	-9476.24	1.52e-04	0.0	120.0	-231.12	-246.61	71.28	1095.67	-1623.71	1.416e+04
75	92	2.184e+04	-2155.98	-1.40e-03	-745.16	0.0	-247.10	460.99	72.70	1893.25	-1.008e+04	4726.16

		4726.16	-1.008e+04	1.89e-04	0.0	120.0	-247.10	-284.17	72.70	1893.25	-2155.98	1.534e+04
75	93	2.059e+04	-1836.87	-1.38e-03	-659.57	0.0	-241.07	425.72	74.21	1021.76	-1.009e+04	4117.95
		4117.95	-1.009e+04	1.53e-04	0.0	120.0	-241.07	-233.85	74.21	1021.76	-1836.87	1.563e+04
75	95	2.177e+04	-2134.85	-1.41e-03	-719.48	0.0	-248.78	454.88	74.18	1605.93	-1.030e+04	4521.29
		4521.29	-1.030e+04	1.77e-04	0.0	120.0	-248.78	-264.60	74.18	1605.93	-2134.85	1.594e+04
75	100	1.970e+04	-1623.71	-1.32e-03	-659.57	0.0	-231.12	412.95	71.28	1095.67	-9476.24	4181.95
		4181.95	-9476.24	1.52e-04	0.0	120.0	-231.12	-246.61	71.28	1095.67	-1623.71	1.416e+04
75	101	2.054e+04	-1836.56	-1.34e-03	-702.36	0.0	-236.62	433.78	71.26	1512.93	-9622.46	4470.06
		4470.06	-9622.46	1.70e-04	0.0	120.0	-236.62	-268.58	71.26	1512.93	-1836.56	1.438e+04
75	102	1.987e+04	-1666.34	-1.33e-03	-659.57	0.0	-233.11	415.51	71.87	1080.89	-9599.13	4169.15
		4169.15	-9599.13	1.53e-04	0.0	120.0	-233.11	-244.06	71.87	1080.89	-1666.34	1.446e+04
75	104	2.038e+04	-1794.05	-1.35e-03	-685.24	0.0	-236.41	428.00	71.85	1331.25	-9686.87	4342.01
		4342.01	-9686.87	1.63e-04	0.0	120.0	-236.41	-257.24	71.85	1331.25	-1794.05	1.459e+04
75	105	1.970e+04	-1623.71	-1.32e-03	-659.57	0.0	-231.12	412.95	71.28	1095.67	-9476.24	4181.95
		4181.95	-9476.24	1.52e-04	0.0	120.0	-231.12	-246.61	71.28	1095.67	-1623.71	1.416e+04
75	106	2.020e+04	-1751.42	-1.33e-03	-685.24	0.0	-234.42	425.45	71.27	1346.03	-9563.97	4354.81
		4354.81	-9563.97	1.63e-04	0.0	120.0	-234.42	-259.79	71.27	1346.03	-1751.42	1.429e+04
76	9	8.158e+04	43.77	-0.02	-4407.18	0.0	135.09	4454.77	0.19	-5564.01	18.28	-2.314e+05
		-2.314e+05	18.28	1.46e-03	0.0	132.5	135.09	47.58	0.19	-5564.01	43.77	8.158e+04
76	11	7.984e+04	45.54	-0.02	-4407.18	0.0	151.28	4466.48	0.19	-5575.31	20.58	-2.348e+05
		-2.348e+05	20.58	1.55e-03	0.0	132.5	151.28	59.30	0.19	-5575.31	45.54	7.984e+04
76	12	6.379e+04	33.10	-0.02	-3428.57	0.0	100.51	3461.77	0.14	-4369.41	14.11	-1.791e+05
		-1.791e+05	14.11	1.11e-03	0.0	132.5	100.51	33.20	0.14	-4369.41	33.10	6.379e+04
76	17	6.840e+04	56.38	-0.02	-3627.86	0.0	161.81	3750.76	0.35	-2475.20	10.16	-2.025e+05
		-2.025e+05	10.16	1.48e-03	0.0	132.5	161.81	122.90	0.35	-2475.20	56.38	6.840e+04
76	19	5.235e+04	43.94	-0.01	-2649.24	0.0	111.05	2746.05	0.30	-1269.29	3.69	-1.469e+05
		-1.469e+05	3.69	1.05e-03	0.0	132.5	111.05	96.80	0.30	-1269.29	43.94	5.235e+04
76	34	1.271e+04	733.20	-8.97e-03	-2729.18	0.0	-2054.47	3200.97	-6.34	3154.88	733.20	-2.402e+05
		-2.402e+05	-111.13	3.66e-03	0.0	132.5	-2054.47	471.79	-6.34	3154.88	-111.13	1.271e+04
76	39	9.625e+04	320.98	-0.02	-2729.18	0.0	3100.67	2616.43	14.64	-1.528e+04	-1621.86	-7.987e+04
		-7.987e+04	-1621.86	-0.02	0.0	132.5	3100.67	-112.74	14.64	-1.528e+04	320.98	9.625e+04
76	42	5300.99	1631.37	3.74e-03	-2729.18	0.0	-2885.72	2953.06	-14.14	9878.93	1631.37	-2.147e+05
		-2.147e+05	-245.19	0.02	0.0	132.5	-2885.72	223.89	-14.14	9878.93	-245.19	5300.99
76	43	9.665e+04	314.90	-0.02	-2729.18	0.0	3077.06	2613.74	14.31	-1.491e+04	-1583.82	-7.914e+04
		-7.914e+04	-1583.82	-0.02	0.0	132.5	3077.06	-115.43	14.31	-1.491e+04	314.90	9.665e+04
76	66	2.927e+04	404.74	-9.69e-03	-2729.18	0.0	-1086.72	3015.09	-3.43	445.22	404.74	-1.991e+05
		-1.991e+05	-52.46	1.89e-03	0.0	132.5	-1086.72	285.91	-3.43	445.22	-52.46	2.927e+04
76	71	7.719e+04	217.10	-0.02	-2729.18	0.0	1773.93	2691.94	8.35	-9429.09	-890.51	-1.089e+05
		-1.089e+05	-890.51	-9.88e-03	0.0	132.5	1773.93	-37.23	8.35	-9429.09	217.10	7.719e+04
76	74	2.404e+04	902.01	-3.41e-03	-2729.18	0.0	-1555.04	2879.77	-7.87	4018.43	902.01	-1.863e+05
		-1.863e+05	-141.86	0.01	0.0	132.5	-1555.04	150.60	-7.87	4018.43	-141.86	2.404e+04
76	75	7.740e+04	213.66	-0.02	-2729.18	0.0	1760.42	2690.47	8.16	-9227.80	-869.17	-1.085e+05
		-1.085e+05	-869.17	-6.96e-03	0.0	132.5	1760.42	-38.70	8.16	-9227.80	213.66	7.740e+04
76	87	5.111e+04	37.12	-0.01	-2729.18	0.0	104.82	2782.51	0.24	-2702.10	5.09	-1.466e+05
		-1.466e+05	5.09	1.04e-03	0.0	132.5	104.82	53.34	0.24	-2702.10	37.12	5.111e+04
76	88	5.061e+04	37.62	-0.01	-2729.18	0.0	109.45	2785.86	0.24	-2705.33	5.75	-1.476e+05
		-1.476e+05	5.75	1.07e-03	0.0	132.5	109.45	56.68	0.24	-2705.33	37.62	5.061e+04
76	93	6.038e+04	34.28	-0.01	-3248.73	0.0	102.99	3288.10	0.17	-3941.63	11.98	-1.711e+05
		-1.711e+05	11.98	1.10e-03	0.0	132.5	102.99	39.37	0.17	-3941.63	34.28	6.038e+04
76	95	5.922e+04	35.46	-0.01	-3248.73	0.0	113.78	3295.91	0.17	-3949.16	13.51	-1.733e+05
		-1.733e+05	13.51	1.16e-03	0.0	132.5	113.78	47.18	0.17	-3949.16	35.46	5.922e+04
76	96	5.276e+04	41.51	-0.01	-2729.18	0.0	110.02	2810.95	0.28	-1874.89	5.04	-1.495e+05
		-1.495e+05	5.04	1.06e-03	0.0	132.5	110.02	81.77	0.28	-1874.89	41.51	5.276e+04
76	98	5.160e+04	42.69	-0.01	-2729.18	0.0	120.81	2818.76	0.27	-1882.42	6.57	-1.518e+05
		-1.518e+05	6.57	1.12e-03	0.0	132.5	120.81	89.58	0.27	-1882.42	42.69	5.160e+04
76	100	5.111e+04	37.12	-0.01	-2729.18	0.0	104.82	2782.51	0.24	-2702.10	5.09	-1.466e+05
		-1.466e+05	5.09	1.04e-03	0.0	132.5	104.82	53.34	0.24	-2702.10	37.12	5.111e+04
76	101	5.028e+04	37.96	-0.01	-2729.18	0.0	112.53	2788.09	0.24	-2707.48	6.19	-1.482e+05
		-1.482e+05	6.19	1.09e-03	0.0	132.5	112.53	58.91	0.24	-2707.48	37.96	5.028e+04
76	102	5.296e+04	36.55	-0.01	-2833.09	0.0	104.46	2883.63	0.23	-2950.01	6.47	-1.515e+05
		-1.515e+05	6.47	1.06e-03	0.0	132.5	104.46	50.54	0.23	-2950.01	36.55	5.296e+04
76	104	5.247e+04	37.05	-0.01	-2833.09	0.0	109.08	2886.98	0.23	-2953.23	7.13	-1.525e+05
		-1.525e+05	7.13	1.08e-03	0.0	132.5	109.08	53.89	0.23	-2953.23	37.05	5.247e+04
76	105	5.111e+04	37.12	-0.01	-2729.18	0.0	104.82	2782.51	0.24	-2702.10	5.09	-1.466e+05
		-1.466e+05	5.09	1.04e-03	0.0	132.5	104.82	53.34	0.24	-2702.10	37.12	5.111e+04
76	106	5.061e+04	37.62	-0.01	-2729.18	0.0	109.45	2785.86	0.24	-2705.33	5.75	-1.476e+05
		-1.476e+05	5.75	1.07e-03	0.0	132.5	109.45	56.68	0.24	-2705.33	37.62	5.061e+04
77	4	3.649e+04	1892.86	5.98e-03	-3714.32	0.0	-236.87	276.06	20.77	288.54	-651.14	3.606e+04
		-1.703e+05	-651.14	1.26e-03	0.0	122.5	-236.87	-3438.26	20.77	288.54	1892.86	-1.703e+05
77	9	3.634e+04	1648.66	4.80e-03	-4074.57	0.0	-220.06	297.84	19.31	-828.34	-717.32	3.586e+04
		-1.905e+05	-717.32	1.16e-03	0.0	122.5	-220.06	-3776.74	19.31	-828.34	1648.66	-1.905e+05
77	11	3.804e+04	1868.29	5.80e-03	-4074.57	0.0	-237.38	302.89	21.04	-554.79	-709.23	3.753e+04
		-1.884e+05	-709.23	1.24e-03	0.0	122.5	-237.38	-3771.68	21.04	-554.79	1868.29	-1.884e+05
77	19	2.409e+04	1119.17	3.02e-03	-2449.31	0.0	-146.61	141.72	13.17	2183.89	-493.95	2.409e+04
		-1.185e+05	-493.95	8.51e-04	0.0	122.5	-146.61	-2307.58	13.17	2183.89	1119.17	-1.185e+05
77	36	-2.500e+04	6700.62	0.01	-2523.20	0.0	1810.46	-964.64	68.38	-3122.16	-1727.18	-2.500e+04
		-3.058e+05	-1727.18	-4.24e-03	0.0	122.5	1810.46	-3487.85	68.38	-3122.16	6700.62	-3.058e+05
77	40	-4.743e+04	6535.70	0.02	-2523.20	0.0	5218.97	-613.15	61.13	3948.32	-1971.58	-4.743e+04
		-2.837e+05	-1971.58	6.34e-03	0.0	122.5	5218.97	-3136.36	61.13	3948.32	6535.70	-2.837e+05
77	41	1.146e+05	1041.75	-0.01	-2523.20	0.0	-5532.04	967.93	-35.07	-3991.44	1041.75	9.579e+04

		4.937e+04	-4273.81	-4.59e-03	0.0	122.5	-5532.04	-1555.27	-35.07	-3991.44	-4273.81	4.937e+04
77	49	1.271e+05	1056.40	-0.01	-2523.20	0.0	-2544.53	962.91	-55.09	4517.21	1056.40	1.082e+05
		6.212e+04	-5796.16	0.01	0.0	122.5	-2544.53	-1560.30	-55.09	4517.21	-5796.16	6.212e+04
77	52	-5.946e+04	8165.52	0.02	-2523.20	0.0	2174.72	-611.95	82.16	-4414.98	-1992.60	-5.946e+04
		-2.966e+05	-1992.60	-9.31e-03	0.0	122.5	2174.72	-3135.15	82.16	-4414.98	8165.52	-2.966e+05
77	53	1.270e+05	1062.77	-0.01	-2523.20	0.0	-2487.79	966.73	-56.11	4371.86	1062.77	1.078e+05
		6.226e+04	-5903.63	0.01	0.0	122.5	-2487.79	-1556.48	-56.11	4371.86	-5903.63	6.226e+04
77	72	-1.737e+04	4171.75	0.01	-2523.20	0.0	2839.04	-295.11	40.00	2857.88	-1286.15	-1.737e+04
		-2.164e+05	-1286.15	2.05e-03	0.0	122.5	2839.04	-2818.31	40.00	2857.88	4171.75	-2.164e+05
77	73	7.382e+04	371.09	-5.32e-03	-2523.20	0.0	-3157.52	656.92	-13.04	-1560.72	371.09	6.577e+04
		-1.792e+04	-1784.44	-2.93e-04	0.0	122.5	-3157.52	-1866.29	-13.04	-1560.72	-1784.44	-1.792e+04
77	81	8.069e+04	376.61	-5.73e-03	-2523.20	0.0	-1495.45	654.16	-24.05	3092.01	376.61	7.258e+04
		-1.091e+04	-2622.52	9.17e-03	0.0	122.5	-1495.45	-1869.05	-24.05	3092.01	-2622.52	-1.091e+04
77	84	-2.398e+04	5068.75	0.01	-2523.20	0.0	1145.65	-294.44	51.57	-1714.54	5068.75	-2.398e+04
		-2.235e+05	-1294.85	-6.56e-03	0.0	122.5	1145.65	-2817.64	51.57	-1714.54	5068.75	-2.235e+05
77	85	8.056e+04	379.80	-5.74e-03	-2523.20	0.0	-1464.13	656.25	-24.61	3011.71	379.80	7.238e+04
		-1.083e+04	-2681.43	8.32e-03	0.0	122.5	-1464.13	-1866.95	-24.61	3011.71	-2681.43	-1.083e+04
77	87	2.393e+04	1130.90	3.10e-03	-2523.20	0.0	-154.29	179.46	12.99	570.43	1130.90	2.372e+04
		-1.178e+05	-459.84	8.54e-04	0.0	122.5	-154.29	-2343.74	12.99	570.43	-459.84	-1.178e+05
77	88	2.442e+04	1193.66	3.39e-03	-2523.20	0.0	-159.24	180.91	13.48	648.58	1193.66	2.420e+04
		-1.171e+05	-457.53	8.79e-04	0.0	122.5	-159.24	-2342.30	13.48	648.58	-457.53	-1.171e+05
77	92	2.707e+04	1386.45	4.28e-03	-2763.37	0.0	-176.08	203.61	15.31	346.87	1386.45	2.677e+04
		-1.271e+05	-488.55	9.45e-04	0.0	122.5	-176.08	-2559.76	15.31	346.87	-488.55	-1.271e+05
77	93	2.698e+04	1223.65	3.50e-03	-3003.54	0.0	-164.88	218.14	14.34	-397.71	1223.65	2.665e+04
		-1.405e+05	-532.67	8.76e-04	0.0	122.5	-164.88	-2785.41	14.34	-397.71	-532.67	-1.405e+05
77	95	2.811e+04	1370.07	4.16e-03	-3003.54	0.0	-176.42	221.51	15.49	-215.35	1370.07	2.776e+04
		-1.391e+05	-527.28	9.32e-04	0.0	122.5	-176.42	-2782.04	15.49	-215.35	-527.28	-1.391e+05
77	96	2.440e+04	1149.33	3.16e-03	-2523.20	0.0	-151.58	158.65	13.38	1567.61	1149.33	2.439e+04
		-1.204e+05	-489.43	8.61e-04	0.0	122.5	-151.58	-2364.55	13.38	1567.61	-489.43	-1.204e+05
77	100	2.393e+04	1130.90	3.10e-03	-2523.20	0.0	-154.29	179.46	12.99	570.43	1130.90	2.372e+04
		-1.178e+05	-459.84	8.54e-04	0.0	122.5	-154.29	-2343.74	12.99	570.43	-459.84	-1.178e+05
77	101	2.474e+04	1235.49	3.59e-03	-2523.20	0.0	-162.54	181.87	13.81	700.69	1235.49	2.452e+04
		-1.167e+05	-455.99	8.95e-04	0.0	122.5	-162.54	-2341.33	13.81	700.69	-455.99	-1.167e+05
77	102	2.454e+04	1149.45	3.18e-03	-2619.27	0.0	-156.41	187.20	13.26	376.80	1149.45	2.431e+04
		-1.223e+05	-474.41	8.59e-04	0.0	122.5	-156.41	-2432.08	13.26	376.80	-474.41	-1.223e+05
77	104	2.503e+04	1212.20	3.46e-03	-2619.27	0.0	-161.36	188.64	13.75	454.95	1212.20	2.478e+04
		-1.217e+05	-472.09	8.83e-04	0.0	122.5	-161.36	-2430.63	13.75	454.95	-472.09	-1.217e+05
77	105	2.393e+04	1130.90	3.10e-03	-2523.20	0.0	-154.29	179.46	12.99	570.43	1130.90	2.372e+04
		-1.178e+05	-459.84	8.54e-04	0.0	122.5	-154.29	-2343.74	12.99	570.43	-459.84	-1.178e+05
77	106	2.442e+04	1193.66	3.39e-03	-2523.20	0.0	-159.24	180.91	13.48	648.58	1193.66	2.420e+04
		-1.171e+05	-457.53	8.79e-04	0.0	122.5	-159.24	-2342.30	13.48	648.58	-457.53	-1.171e+05
78	5	7.343e+04	867.86	-0.01	-2649.23	0.0	-331.94	2768.71	-11.92	4414.54	867.86	1.269e+05
		-1.269e+05	-711.13	1.36e-03	0.0	132.5	-331.94	119.48	-11.92	4414.54	-711.13	7.343e+04
78	9	1.179e+05	1504.05	-0.03	-4407.16	0.0	-516.30	4602.27	-19.71	9401.99	1504.05	1.2134e+05
		-2.134e+05	-1106.95	1.98e-03	0.0	132.5	-516.30	195.11	-19.71	9401.99	-1106.95	1.179e+05
78	11	1.187e+05	1318.71	-0.02	-4407.16	0.0	-528.36	4559.50	-18.47	9335.06	1318.71	2.066e+05
		-2.066e+05	-1128.70	2.08e-03	0.0	132.5	-528.36	152.35	-18.47	9335.06	-1128.70	1.187e+05
78	38	2820.95	6941.07	-0.03	-2729.16	0.0	-2211.25	3545.96	-70.53	4028.16	6941.07	2.940e+05
		-2.940e+05	-2407.11	4.79e-04	0.0	132.5	-2211.25	816.80	-70.53	4028.16	-2407.11	2820.95
78	40	3.553e+04	1.183e+04	-0.03	-2729.16	0.0	5892.68	2913.91	-115.93	1.862e+04	1.183e+04	-1.787e+05
		-1.787e+05	-3528.50	0.01	0.0	132.5	5892.68	184.75	-115.93	1.862e+04	-3528.50	3.553e+04
78	41	1.156e+05	2080.24	4.91e-03	-2729.16	0.0	-6571.46	2765.74	92.00	-9250.06	-1.011e+04	-7.926e+04
		-7.926e+04	-1.011e+04	-0.01	0.0	132.5	-6571.46	36.58	92.00	-9250.06	2080.24	1.156e+05
78	43	1.465e+05	2760.45	7.69e-03	-2729.16	0.0	-5012.65	2412.83	114.78	-7631.92	-1.245e+04	-3696.03
		-3696.03	-1.245e+04	-0.01	0.0	132.5	-5012.65	-316.33	114.78	-7631.92	2760.45	1.452e+05
78	46	5954.10	1.417e+04	-0.04	-2729.16	0.0	4333.87	3266.82	-138.71	1.700e+04	1.417e+04	-2.542e+05
		-2.542e+05	-4208.71	0.02	0.0	132.5	4333.87	537.66	-138.71	1.700e+04	-4208.71	5954.10
78	51	1.686e+05	1110.04	0.02	-2729.16	0.0	-1909.51	2294.08	61.02	-300.71	1110.04	1.654e+05
		3.232e+04	-6980.55	7.51e-03	0.0	132.5	-1909.51	-435.08	61.02	-300.71	-6980.55	3.232e+04
78	72	5.161e+04	6972.16	-0.03	-2729.16	0.0	3125.70	2928.90	-69.81	1.260e+04	6972.16	1.648e+05
		-1.648e+05	-2278.42	6.07e-03	0.0	132.5	3125.70	199.74	-69.81	1.260e+04	-2278.42	5.161e+04
78	73	9.959e+04	809.42	-3.54e-03	-2729.16	0.0	-3812.76	2742.63	46.21	-3208.97	809.42	9.959e+04
		-9.184e+04	-5314.25	-3.24e-03	0.0	132.5	-3812.76	13.47	46.21	-3208.97	-5314.25	-9.184e+04
78	75	1.160e+05	1183.42	-3.92e-03	-2729.16	0.0	-2958.73	2548.26	58.76	-2324.13	1183.42	1.158e+05
		-5.023e+04	-6603.67	-4.81e-03	0.0	132.5	-2958.73	-180.90	58.76	-2324.13	-6603.67	-5.023e+04
78	78	3.542e+04	8261.59	-0.03	-2729.16	0.0	2271.67	3123.28	-82.36	1.171e+04	8261.59	2.064e+05
		-2.064e+05	-2652.42	7.64e-03	0.0	132.5	2271.67	394.12	-82.36	1.171e+04	-2652.42	3.542e+04
78	83	1.277e+05	273.92	5.43e-03	-2729.16	0.0	-1233.87	2482.92	29.13	1710.36	273.92	1.269e+05
		-3.041e+04	-3588.84	6.74e-03	0.0	132.5	-1233.87	-246.23	29.13	1710.36	-3588.84	-3.041e+04
78	86	2.427e+04	5246.76	-0.03	-2729.16	0.0	546.81	3188.61	-52.73	7676.08	5246.76	2.262e+05
		-2.262e+05	-1742.91	-3.91e-03	0.0	132.5	546.81	459.45	-52.73	7676.08	-1742.91	2.427e+04
78	87	7.537e+04	881.91	-0.01	-2729.16	0.0	-340.09	2847.98	-12.15	4712.34	881.91	1.303e+05
		-1.303e+05	-728.28	1.39e-03	0.0	132.5	-340.09	118.83	-12.15	4712.34	-728.28	7.537e+04
78	88	7.560e+04	828.96	-0.01	-2729.16	0.0	-343.53	2835.77	-11.80	4693.22	828.96	1.283e+05
		-1.283e+05	-734.50	1.41e-03	0.0	132.5	-343.53	106.61	-11.80	4693.22	-734.50	7.560e+04
78	89	7.537e+04	881.91	-0.01	-2729.16	0.0	-340.09	2847.98	-12.15	4712.34	881.91	1.303e+05
		-1.303e+05	-728.28	1.39e-03	0.0	132.5	-340.09	118.83	-12.15	4712.34	-728.28	7.537e+04
78	93	8.736e+04	1110.92	-0.02	-3248.71	0.0	-384.11	3395.06	-14.60	6697.77	1110.92	1.574e+05
		-1.574e+05	-823.63	1.49e-03	0.0	132.5	-384.11	146.35	-14.60	6697.77	-823.63	8.736e+04
78	95	8.790e+04	987.36	-0.02	-3248.71	0.0	-392.15	3366.55	-13.78	6653.15	987.36	1.529e+05

		-1.529e+05	-838.13	1.55e-03	0.0	132.5	-392.15	117.84	-13.78	6653.15	-838.13	8.790e+04
78	100	7.537e+04	881.91	-0.01	-2729.16	0.0	-340.09	2847.98	-12.15	4712.34	881.91	-1.303e+05
		-1.303e+05	-728.28	1.39e-03	0.0	132.5	-340.09	118.83	-12.15	4712.34	-728.28	7.537e+04
78	102	7.777e+04	927.71	-0.02	-2833.07	0.0	-348.89	2957.40	-12.64	5109.43	927.71	-1.357e+05
		-1.357e+05	-747.35	1.41e-03	0.0	132.5	-348.89	124.33	-12.64	5109.43	-747.35	7.777e+04
78	104	7.800e+04	874.76	-0.01	-2833.07	0.0	-352.34	2945.18	-12.29	5090.30	874.76	-1.337e+05
		-1.337e+05	-753.57	1.43e-03	0.0	132.5	-352.34	112.11	-12.29	5090.30	-753.57	7.800e+04
78	105	7.537e+04	881.91	-0.01	-2729.16	0.0	-340.09	2847.98	-12.15	4712.34	881.91	-1.303e+05
		-1.303e+05	-728.28	1.39e-03	0.0	132.5	-340.09	118.83	-12.15	4712.34	-728.28	7.537e+04
78	106	7.560e+04	828.96	-0.01	-2729.16	0.0	-343.53	2835.77	-11.80	4693.22	828.96	-1.283e+05
		-1.283e+05	-734.50	1.41e-03	0.0	132.5	-343.53	106.61	-11.80	4693.22	-734.50	7.560e+04
79	7	8.003e+04	114.60	2.92e-03	-1189.65	0.0	-188.00	339.63	14.40	1749.61	-742.17	7.762e+04
		6.073e+04	-742.17	5.93e-04	0.0	59.5	-188.00	-850.02	14.40	1749.61	114.60	6.073e+04
79	9	1.295e+05	163.81	-1.15e-03	-1979.06	0.0	-262.97	714.13	21.36	4351.54	-1106.91	1.228e+05
		1.037e+05	-1106.91	7.68e-04	0.0	59.5	-262.97	-1264.92	21.36	4351.54	163.81	1.037e+05
79	11	1.293e+05	169.41	1.97e-03	-1979.06	0.0	-274.78	672.10	21.82	4250.32	-1128.66	1.235e+05
		1.018e+05	-1128.66	8.10e-04	0.0	59.5	-274.78	-1306.96	21.82	4250.32	169.41	1.018e+05
79	19	8.352e+04	109.38	7.42e-04	-1189.65	0.0	-166.92	391.91	14.38	1044.38	-746.48	8.008e+04
		6.677e+04	-746.48	5.46e-04	0.0	59.5	-166.92	-797.74	14.38	1044.38	109.38	6.677e+04
79	40	6.456e+04	424.15	-0.01	-1225.54	0.0	4636.09	838.24	66.13	1.138e+04	-3528.17	4.793e+04
		4.793e+04	-3528.17	6.70e-03	0.0	59.5	4636.09	-387.31	66.13	1.138e+04	424.15	6.072e+04
79	41	1.096e+05	2079.97	0.02	-1225.54	0.0	-4988.99	-31.59	-38.11	-7387.31	2079.97	1.096e+05
		6.876e+04	-205.45	-5.60e-03	0.0	59.5	-4988.99	-1257.13	-38.11	-7387.31	-205.45	6.876e+04
79	43	1.183e+05	2760.16	0.02	-1225.54	0.0	-3822.62	-326.03	-49.95	-1.077e+04	2760.16	1.183e+05
		5.495e+04	-232.68	-6.66e-03	0.0	59.5	-3822.62	-1551.58	-49.95	-1.077e+04	-232.68	5.495e+04
79	46	7.454e+04	451.38	-0.02	-1225.54	0.0	3469.72	1132.68	77.96	1.477e+04	-4208.36	3.928e+04
		3.928e+04	-4208.36	7.76e-03	0.0	59.5	3469.72	-92.86	77.96	1.477e+04	451.38	7.454e+04
79	47	1.227e+05	1048.50	0.03	-1225.54	0.0	-1398.28	-481.12	-19.81	-4988.28	1048.50	1.227e+05
		5.306e+04	-150.53	2.08e-03	0.0	59.5	-1398.28	-1706.66	-19.81	-4988.28	-150.53	5.306e+04
79	50	7.642e+04	369.23	-0.02	-1225.54	0.0	1045.38	1287.76	47.83	8983.10	-2496.70	3.488e+04
		3.488e+04	-2496.70	-9.82e-04	0.0	59.5	1045.38	62.22	47.83	8983.10	369.23	7.642e+04
79	67	9.307e+04	186.60	0.01	-1225.54	0.0	564.08	-16.15	-2.26	-2027.68	186.60	9.307e+04
		5.066e+04	47.80	1.41e-03	0.0	59.5	564.08	-1241.69	-2.26	-2027.68	47.80	5.066e+04
79	72	7.106e+04	268.30	-7.71e-03	-1225.54	0.0	2505.40	692.20	42.65	7435.69	-2278.27	5.983e+04
		5.983e+04	-2278.27	3.06e-03	0.0	59.5	2505.40	-533.35	42.65	7435.69	268.30	6.385e+04
79	73	9.788e+04	809.32	0.01	-1225.54	0.0	-2863.30	107.65	-14.24	-3410.30	809.32	9.778e+04
		6.522e+04	-46.68	-1.95e-03	0.0	59.5	-2863.30	-1117.89	-14.24	-3410.30	-46.68	6.522e+04
79	75	1.022e+05	1183.31	0.01	-1225.54	0.0	-2224.82	-54.47	-20.73	-5270.73	1183.31	1.022e+05
		5.772e+04	-60.89	-2.53e-03	0.0	59.5	-2224.82	-1280.01	-20.73	-5270.73	-60.89	5.772e+04
79	78	7.421e+04	282.51	-0.01	-1225.54	0.0	1866.92	854.31	49.15	9296.12	-2652.25	5.542e+04
		5.542e+04	-2652.25	3.64e-03	0.0	59.5	1866.92	-371.23	49.15	9296.12	282.51	7.136e+04
79	79	1.046e+05	240.14	0.02	-1225.54	0.0	-874.24	-139.76	-4.14	-2088.91	240.14	1.046e+05
		5.669e+04	-15.69	2.27e-03	0.0	59.5	-874.24	-1365.31	-4.14	-2088.91	-15.69	5.669e+04
79	87	8.222e+04	109.21	9.78e-04	-1225.54	0.0	-175.58	411.93	14.07	2041.61	-728.26	7.860e+04
		6.510e+04	-728.26	5.43e-04	0.0	59.5	-175.58	-813.61	14.07	2041.61	109.21	6.510e+04
79	88	8.218e+04	110.81	1.38e-03	-1225.54	0.0	-178.95	399.92	14.21	2012.70	-734.47	7.880e+04
		6.454e+04	-734.47	5.55e-04	0.0	59.5	-178.95	-825.62	14.21	2012.70	110.81	6.454e+04
79	91	8.210e+04	114.55	2.33e-03	-1225.54	0.0	-186.83	371.90	14.51	1945.22	-748.97	7.927e+04
		6.323e+04	-748.97	5.83e-04	0.0	59.5	-186.83	-853.64	14.51	1945.22	114.55	6.323e+04
79	93	9.588e+04	122.02	-8.33e-04	-1458.85	0.0	-195.75	522.84	15.89	3074.96	-823.61	9.100e+04
		7.678e+04	-823.61	5.77e-04	0.0	59.5	-195.75	-936.01	15.89	3074.96	122.02	7.678e+04
79	95	9.579e+04	125.76	1.39e-03	-1458.85	0.0	-203.63	494.82	16.20	3007.49	-838.10	9.147e+04
		7.548e+04	-838.10	6.06e-04	0.0	59.5	-203.63	-964.03	16.20	3007.49	125.76	7.548e+04
79	96	8.448e+04	111.07	8.74e-04	-1225.54	0.0	-172.78	406.76	14.50	1475.06	-751.84	8.091e+04
		6.726e+04	-751.84	5.51e-04	0.0	59.5	-172.78	-818.79	14.50	1475.06	111.07	6.726e+04
79	100	8.222e+04	109.21	9.78e-04	-1225.54	0.0	-175.58	411.93	14.07	2041.61	-728.26	7.860e+04
		6.510e+04	-728.26	5.43e-04	0.0	59.5	-175.58	-813.61	14.07	2041.61	109.21	6.510e+04
79	101	8.215e+04	111.88	1.65e-03	-1225.54	0.0	-181.20	391.92	14.29	1993.42	-738.61	7.894e+04
		6.416e+04	-738.61	5.63e-04	0.0	59.5	-181.20	-833.63	14.29	1993.42	111.88	6.416e+04
79	102	8.495e+04	111.77	8.71e-04	-1272.21	0.0	-179.61	434.11	14.44	2248.28	-747.33	8.108e+04
		6.743e+04	-747.33	5.50e-04	0.0	59.5	-179.61	-838.09	14.44	2248.28	111.77	6.743e+04
79	104	8.491e+04	113.37	1.28e-03	-1272.21	0.0	-182.99	422.10	14.57	2219.37	-753.54	8.128e+04
		6.687e+04	-753.54	5.62e-04	0.0	59.5	-182.99	-850.10	14.57	2219.37	113.37	6.687e+04
79	105	8.222e+04	109.21	9.78e-04	-1225.54	0.0	-175.58	411.93	14.07	2041.61	-728.26	7.860e+04
		6.510e+04	-728.26	5.43e-04	0.0	59.5	-175.58	-813.61	14.07	2041.61	109.21	6.510e+04
79	106	8.218e+04	110.81	1.38e-03	-1225.54	0.0	-178.95	399.92	14.21	2012.70	-734.47	7.880e+04
		6.454e+04	-734.47	5.55e-04	0.0	59.5	-178.95	-825.62	14.21	2012.70	110.81	6.454e+04
80	4	1.168e+05	1668.37	0.03	-4984.62	0.0	2934.27	1240.52	18.56	7761.20	-3806.64	7.128e+04
		-2.980e+05	-3806.64	1.36e-03	0.0	295.0	2934.27	-3744.10	18.56	7761.20	1668.37	-2.980e+05
80	5	7.783e+04	1125.10	0.02	-3546.87	0.0	1842.52	953.82	12.68	5239.89	-2616.40	4.018e+04
		-2.016e+05	-2616.40	8.62e-04	0.0	295.0	1842.52	-2593.05	12.68	5239.89	1125.10	-2.016e+05
80	9	1.109e+05	1840.63	0.03	-4669.01	0.0	2524.01	1146.00	20.89	7696.88	-4322.43	6.944e+04
		-2.812e+05	-4322.43	1.36e-03	0.0	295.0	2524.01	-3523.01	20.89	7696.88	1840.63	-2.812e+05
80	11	1.173e+05	1828.03	0.03	-4889.94	0.0	2825.23	1182.81	20.53	7972.05	-4229.17	7.517e+04
		-2.972e+05	-4229.17	1.39e-03	0.0	295.0	2825.23	-3707.12	20.53	7972.05	1828.03	-2.972e+05
80	47	8.004e+05	1823.83	0.08	-3635.24	0.0	-772.84	-4054.01	4.90	-515.26	254.92	8.004e+05
		-9.317e+05	254.92	0.01	0.0	295.0	-772.84	-7689.26	4.90	-515.26	1823.83	-9.317e+05
80	49	9.212e+05	1759.81	0.09	-3635.24	0.0	-364.99	-4850.87	10.10	5613.51	-1118.45	9.212e+05
		-1.046e+06	-1118.45	0.01	0.0	295.0	-364.99	-8486.12	10.10	5613.51	1759.81	-1.046e+06
80	50	5.154e+05	761.09	-0.05	-3635.24	0.0	3833.71	5995.77	22.69	1.093e+04	-5806.63	-7.172e+05

		-7.172e+05	-5806.63	-0.01	0.0	295.0	3833.71	2360.52	22.69	1.093e+04	761.09	5.154e+05
80	54	5.425e+05	795.70	-0.05	-3635.24	0.0	3800.28	6184.59	22.77	1.099e+04	-5834.98	-7.458e+05
		-7.458e+05	-5834.98	-0.01	0.0	295.0	3800.28	2549.35	22.77	1.099e+04	795.70	5.425e+05
80	70	5.158e+04	957.71	0.01	-3635.24	0.0	2647.98	1610.66	18.21	1.186e+04	-4278.23	-5.366e+04
		-1.147e+05	-4278.23	-2.01e-03	0.0	295.0	2647.98	-2024.58	18.21	1.186e+04	957.71	-1.147e+05
80	79	5.280e+05	1555.95	0.06	-3635.24	0.0	634.42	-2259.46	8.97	1930.59	-1155.81	5.280e+05
		-6.748e+05	-1155.81	0.01	0.0	295.0	634.42	-5894.71	8.97	1930.59	1555.95	-6.748e+05
80	81	5.941e+05	1468.85	0.06	-3635.24	0.0	860.19	-2695.60	11.58	5418.45	-1892.74	5.941e+05
		-7.373e+05	-1892.74	0.01	0.0	295.0	860.19	-6330.85	11.58	5418.45	1468.85	-7.373e+05
80	82	2.563e+05	747.45	-0.02	-3635.24	0.0	3299.82	4179.35	16.85	8904.21	-4159.33	-4.404e+05
		-4.404e+05	-4159.33	-8.26e-03	0.0	295.0	3299.82	544.11	16.85	8904.21	747.45	2.563e+05
80	87	7.923e+04	1155.30	0.02	-3572.12	0.0	1881.06	949.43	13.02	5338.78	-2684.22	4.214e+04
		-2.047e+05	-2684.22	8.85e-04	0.0	295.0	1881.06	-2622.70	13.02	5338.78	1155.30	-2.047e+05
80	88	8.106e+04	1151.70	0.02	-3635.24	0.0	1967.12	959.94	12.91	5417.40	-2657.57	4.378e+04
		-2.092e+05	-2657.57	9.09e-04	0.0	295.0	1967.12	-2675.30	12.91	5417.40	1151.70	-2.092e+05
80	89	7.923e+04	1155.30	0.02	-3572.12	0.0	1881.06	949.43	13.02	5338.78	-2684.22	4.214e+04
		-2.047e+05	-2684.22	8.85e-04	0.0	295.0	1881.06	-2622.70	13.02	5338.78	1155.30	-2.047e+05
80	92	8.750e+04	1246.15	0.02	-3782.53	0.0	2181.30	956.53	13.89	5820.04	-2850.45	5.183e+04
		-2.239e+05	-2850.45	1.01e-03	0.0	295.0	2181.30	-2826.00	13.89	5820.04	1246.15	-2.239e+05
80	93	8.357e+04	1360.99	0.02	-3572.12	0.0	1907.79	893.52	15.44	5777.17	-3194.30	5.061e+04
		-2.127e+05	-3194.30	1.01e-03	0.0	295.0	1907.79	-2678.60	15.44	5777.17	1360.99	-2.127e+05
80	95	8.785e+04	1352.59	0.02	-3719.41	0.0	2108.60	918.06	15.20	5960.61	-3132.13	5.443e+04
		-2.234e+05	-3132.13	1.03e-03	0.0	295.0	2108.60	-2801.35	15.20	5960.61	1352.59	-2.234e+05
80	100	7.923e+04	1155.30	0.02	-3572.12	0.0	1881.06	949.43	13.02	5338.78	-2684.22	4.214e+04
		-2.047e+05	-2684.22	8.85e-04	0.0	295.0	1881.06	-2622.70	13.02	5338.78	1155.30	-2.047e+05
80	101	8.228e+04	1149.30	0.02	-3677.33	0.0	2024.49	966.96	12.84	5469.82	-2639.81	4.487e+04
		-2.123e+05	-2639.81	9.26e-04	0.0	295.0	2024.49	-2710.37	12.84	5469.82	1149.30	-2.123e+05
80	102	8.010e+04	1196.44	0.02	-3572.12	0.0	1886.40	938.24	13.50	5426.46	-2786.24	4.383e+04
		-2.063e+05	-2786.24	9.06e-04	0.0	295.0	1886.40	-2633.88	13.50	5426.46	1196.44	-2.063e+05
80	105	7.923e+04	1155.30	0.02	-3572.12	0.0	1881.06	949.43	13.02	5338.78	-2684.22	4.214e+04
		-2.047e+05	-2684.22	8.85e-04	0.0	295.0	1881.06	-2622.70	13.02	5338.78	1155.30	-2.047e+05
80	106	8.106e+04	1151.70	0.02	-3635.24	0.0	1967.12	959.94	12.91	5417.40	-2657.57	4.378e+04
		-2.092e+05	-2657.57	9.09e-04	0.0	295.0	1967.12	-2675.30	12.91	5417.40	1151.70	-2.092e+05
82	4	2.119e+04	-4001.07	1.79e-03	-760.90	0.0	-158.51	112.46	-11.32	411.99	-4001.07	2.045e+04
		-4116.14	-4762.92	1.77e-04	0.0	91.7	-158.51	-648.44	-11.32	411.99	-4762.92	-4116.14
82	5	1.435e+04	-2225.09	1.13e-03	-495.99	0.0	-235.56	71.26	-6.16	192.06	-2225.09	1.388e+04
		-2316.36	-2671.63	9.21e-05	0.0	91.7	-235.56	-424.73	-6.16	192.06	-2671.63	-2316.36
82	7	1.540e+04	-2906.19	1.26e-03	-594.06	0.0	-56.40	105.38	-7.10	194.21	-2906.19	1.454e+04
		-3024.24	-3428.53	1.39e-04	0.0	91.7	-56.40	-488.68	-7.10	194.21	-3428.53	-3024.24
82	11	2.184e+04	-4001.95	1.87e-03	-731.48	0.0	-256.02	88.24	-12.54	519.89	-4001.95	2.135e+04
		-4085.01	-4803.30	1.64e-04	0.0	91.7	-256.02	-643.24	-12.54	519.89	-4803.30	-4085.01
82	16	2.061e+04	-3367.22	1.69e-03	-662.83	0.0	-381.73	73.03	-10.50	433.39	-3367.22	2.025e+04
		-3437.22	-4040.17	1.31e-04	0.0	91.7	-381.73	-589.80	-10.50	433.39	-4040.17	-3437.22
82	43	8.131e+04	-4204.74	-0.01	-523.45	0.0	-5964.08	-912.24	194.45	891.68	-2.028e+04	8.131e+04
		-2.773e+04	-2.028e+04	2.82e-03	0.0	91.7	-5964.08	-1435.69	194.45	891.68	-4204.74	-2.773e+04
82	44	2.113e+04	1.055e+04	0.01	-523.45	0.0	5710.68	1123.43	-124.16	-1.303e+04	1.055e+04	-5.644e+04
		-5.644e+04	1367.85	-2.93e-03	0.0	91.7	5710.68	599.98	-124.16	-1.303e+04	1367.85	2.113e+04
82	45	8.383e+04	-7485.40	-0.01	-523.45	0.0	-6364.83	-953.61	106.01	1.391e+04	-1.546e+04	8.383e+04
		-2.615e+04	-1.546e+04	3.21e-03	0.0	91.7	-6364.83	-1477.06	106.01	1.391e+04	-7485.40	-2.615e+04
82	46	2.271e+04	1.537e+04	0.01	-523.45	0.0	5309.93	1082.06	-212.60	-4.54	1.537e+04	-5.392e+04
		-5.392e+04	-1912.81	-2.54e-03	0.0	91.7	5309.93	558.61	-212.60	-4.54	-1912.81	2.271e+04
82	48	1.907e+04	1.016e+04	0.02	-523.45	0.0	5769.58	1013.17	-92.93	-1.711e+04	1.016e+04	-5.199e+04
		-5.199e+04	3005.05	-6.14e-03	0.0	91.7	5769.58	489.72	-92.93	-1.711e+04	3005.05	1.907e+04
82	49	7.939e+04	-9122.60	-0.02	-523.45	0.0	-6423.72	-843.35	74.78	1.800e+04	-1.507e+04	7.939e+04
		-2.409e+04	-1.507e+04	6.42e-03	0.0	91.7	-6423.72	-1366.80	74.78	1.800e+04	-9122.60	-2.409e+04
82	75	5.213e+04	-3774.76	-8.04e-03	-523.45	0.0	-3535.15	-475.87	95.86	1158.41	-1.214e+04	5.213e+04
		-1.626e+04	-1.214e+04	2.72e-03	0.0	91.7	-3535.15	-999.32	95.86	1158.41	-3774.76	-1.626e+04
82	76	1.030e+04	4572.42	0.01	-523.45	0.0	3365.79	654.15	-61.05	-7847.74	4572.42	-2.490e+04
		-2.490e+04	-319.46	-2.76e-03	0.0	91.7	3365.79	130.70	-61.05	-7847.74	-319.46	1.030e+04
82	77	5.349e+04	-5557.39	-8.25e-03	-523.45	0.0	-3754.53	-498.26	47.59	8277.59	-9488.20	5.349e+04
		-1.540e+04	-9488.20	2.93e-03	0.0	91.7	-3754.53	-1021.71	47.59	8277.59	-5557.39	-1.540e+04
82	78	1.116e+04	7227.06	0.01	-523.45	0.0	3146.41	631.76	-109.32	-728.56	7227.06	-2.354e+04
		-2.354e+04	-2102.10	-2.55e-03	0.0	91.7	3146.41	108.32	-109.32	-728.56	-2102.10	1.116e+04
82	80	9165.09	4358.69	0.02	-523.45	0.0	3398.04	593.77	-43.87	-1.010e+04	4358.69	-2.245e+04
		-2.245e+04	583.80	-4.53e-03	0.0	91.7	3398.04	70.32	-43.87	-1.010e+04	583.80	9165.09
82	81	5.104e+04	-6460.66	-0.01	-523.45	0.0	-3786.78	-437.87	30.41	1.053e+04	-9274.47	5.104e+04
		-1.427e+04	-9274.47	4.69e-03	0.0	91.7	-3786.78	-961.32	30.41	1.053e+04	-6460.66	-1.427e+04
82	87	1.462e+04	-2321.67	1.17e-03	-503.83	0.0	-230.20	71.12	-6.54	214.50	-2321.67	1.416e+04
		-2410.17	-2787.05	9.61e-05	0.0	91.7	-230.20	-432.71	-6.54	214.50	-2787.05	-2410.17
82	88	1.481e+04	-2457.89	1.19e-03	-523.45	0.0	-194.37	77.95	-6.73	214.93	-2457.89	1.429e+04
		-2551.75	-2938.43	1.05e-04	0.0	91.7	-194.37	-445.50	-6.73	214.93	-2938.43	-2551.75
82	89	1.462e+04	-2321.67	1.17e-03	-503.83	0.0	-230.20	71.12	-6.54	214.50	-2321.67	1.416e+04
		-2410.17	-2787.05	9.61e-05	0.0	91.7	-230.20	-432.71	-6.54	214.50	-2787.05	-2410.17
82	91	1.530e+04	-2775.74	1.25e-03	-569.21	0.0	-110.76	93.87	-7.17	215.93	-2775.74	1.460e+04
		-2882.09	-3291.64	1.27e-04	0.0	91.7	-110.76	-475.34	-7.17	215.93	-3291.64	-2882.09
82	92	1.590e+04	-2912.55	1.33e-03	-569.21	0.0	-139.94	84.55	-8.17	288.30	-2912.55	1.534e+04
		-3002.91	-3469.94	1.28e-04	0.0	91.7	-139.94	-484.67	-8.17	288.30	-3469.94	-3002.91
82	95	1.633e+04	-2913.13	1.38e-03	-549.60	0.0	-204.94	68.40	-8.98	360.23	-2913.13	1.594e+04
		-2982.16	-3496.86	1.19e-04	0.0	91.7	-204.94	-481.20	-8.98	360.23	-3496.86	-2982.16
82	97	1.551e+04	-2489.98	1.26e-03	-503.83	0.0	-288.75	58.26	-7.62	302.57	-2489.98	1.520e+04

		-2550.30	-2988.11	9.77e-05	0.0	91.7	-288.75	-445.57	-7.62	302.57	-2988.11	-2550.30
82	100	1.462e+04	-2321.67	1.17e-03	-503.83	0.0	-230.20	71.12	-6.54	214.50	-2321.67	1.416e+04
		-2410.17	-2787.05	9.61e-05	0.0	91.7	-230.20	-432.71	-6.54	214.50	-2787.05	-2410.17
82	101	1.494e+04	-2548.70	1.21e-03	-536.52	0.0	-170.48	82.50	-6.85	215.21	-2548.70	1.438e+04
		-2646.13	-3039.35	1.12e-04	0.0	91.7	-170.48	-454.03	-6.85	215.21	-3039.35	-2646.13
82	102	1.487e+04	-2376.39	1.20e-03	-503.83	0.0	-241.87	67.39	-6.94	243.44	-2376.39	1.446e+04
		-2458.50	-2858.37	9.64e-05	0.0	91.7	-241.87	-436.44	-6.94	243.44	-2858.37	-2458.50
82	104	1.506e+04	-2512.61	1.22e-03	-523.45	0.0	-206.04	74.22	-7.13	243.87	-2512.61	1.459e+04
		-2600.08	-3009.75	1.06e-04	0.0	91.7	-206.04	-449.23	-7.13	243.87	-3009.75	-2600.08
82	105	1.462e+04	-2321.67	1.17e-03	-503.83	0.0	-230.20	71.12	-6.54	214.50	-2321.67	1.416e+04
		-2410.17	-2787.05	9.61e-05	0.0	91.7	-230.20	-432.71	-6.54	214.50	-2787.05	-2410.17
82	106	1.481e+04	-2457.89	1.19e-03	-523.45	0.0	-194.37	77.95	-6.73	214.93	-2457.89	1.429e+04
		-2551.75	-2938.43	1.05e-04	0.0	91.7	-194.37	-445.50	-6.73	214.93	-2938.43	-2551.75
83	9	9.130e+04	102.65	2.16e-03	-3480.34	0.0	124.67	718.89	0.56	1227.67	43.79	8.497e+04
		-2.922e+04	43.79	1.17e-03	0.0	104.6	124.67	-2761.44	0.56	1227.67	102.65	-2.922e+04
83	11	8.989e+04	102.53	2.23e-03	-3480.34	0.0	140.05	731.52	0.54	1232.03	45.56	8.329e+04
		-2.948e+04	45.56	1.23e-03	0.0	104.6	140.05	-2748.82	0.54	1232.03	102.53	-2.948e+04
83	12	7.128e+04	79.48	1.66e-03	-2707.53	0.0	92.57	557.33	0.44	940.55	33.12	6.640e+04
		-2.266e+04	33.12	8.87e-04	0.0	104.6	92.57	-2150.20	0.44	940.55	79.48	-2.266e+04
83	16	8.574e+04	111.68	2.03e-03	-3172.62	0.0	134.42	622.32	0.57	1495.37	52.50	8.062e+04
		-2.698e+04	52.50	1.15e-03	0.0	104.6	134.42	-2550.30	0.57	1495.37	111.68	-2.698e+04
83	17	7.652e+04	106.50	1.96e-03	-2864.91	0.0	152.07	565.10	0.48	1529.45	56.40	7.182e+04
		-2.489e+04	56.40	1.18e-03	0.0	104.6	152.07	-2299.81	0.48	1529.45	106.50	-2.489e+04
83	36	3.410e+04	84.28	9.23e-03	-2155.22	0.0	961.01	156.14	-3.43	4938.06	84.28	3.376e+04
		-6.655e+04	-209.75	2.59e-03	0.0	104.6	961.01	-1999.08	-3.43	4938.06	-209.75	-6.655e+04
83	39	7.078e+04	633.40	-1.36e-03	-2155.22	0.0	2614.11	270.61	7.82	-8754.42	320.75	6.948e+04
		-1.881e+04	320.75	-0.02	0.0	104.6	2614.11	-1884.61	7.82	-8754.42	633.40	-1.881e+04
83	40	3.351e+04	-188.40	5.34e-03	-2155.22	0.0	-1660.48	421.52	-8.50	1.304e+04	-188.40	3.006e+04
		-4.314e+04	-573.40	0.01	0.0	104.6	-1660.48	-1733.70	-8.50	1.304e+04	-573.40	-4.314e+04
83	41	8.019e+04	714.57	-3.57e-03	-2155.22	0.0	1862.62	450.07	9.12	-1.104e+04	264.22	7.615e+04
		6079.77	264.22	-0.01	0.0	104.6	1862.62	-1705.15	9.12	-1.104e+04	714.57	6079.77
83	42	4.412e+04	-244.93	1.82e-03	-2155.22	0.0	-2411.97	600.98	-7.20	1.076e+04	-244.93	3.673e+04
		-1.825e+04	-492.23	0.02	0.0	104.6	-2411.97	-1554.24	-7.20	1.076e+04	-492.23	-1.825e+04
83	49	9.046e+04	704.91	-5.48e-03	-2155.22	0.0	718.80	433.20	8.13	-2614.80	106.46	8.680e+04
		1.470e+04	106.46	7.50e-03	0.0	104.6	718.80	-1722.02	8.13	-2614.80	704.91	1.470e+04
83	68	4.335e+04	56.35	5.60e-03	-2155.22	0.0	573.26	283.66	-1.59	3119.43	56.35	4.193e+04
		-4.536e+04	-77.46	1.35e-03	0.0	104.6	573.26	-1871.55	-1.59	3119.43	-77.46	-4.536e+04
83	71	6.576e+04	372.14	-1.37e-03	-2155.22	0.0	1501.85	343.08	4.06	-4225.57	217.01	6.354e+04
		-1.738e+04	217.01	-7.60e-03	0.0	104.6	1501.85	-1812.14	4.06	-4225.57	372.14	-1.738e+04
83	72	4.235e+04	-110.29	3.87e-03	-2155.22	0.0	-882.54	432.15	-4.14	7475.69	-110.29	3.870e+04
		-3.343e+04	-274.66	6.99e-03	0.0	104.6	-882.54	-1723.07	-4.14	7475.69	-274.66	-3.343e+04
83	73	7.108e+04	415.34	-2.46e-03	-2155.22	0.0	1088.12	441.87	4.77	-5484.43	185.56	6.720e+04
		-3680.67	185.56	-5.29e-03	0.0	104.6	1088.12	-1713.35	4.77	-5484.43	415.34	-3680.67
83	74	4.797e+04	-141.74	2.03e-03	-2155.22	0.0	-1296.27	530.94	-3.44	6216.83	-141.74	4.235e+04
		-1.973e+04	-231.46	9.30e-03	0.0	104.6	-1296.27	-1624.28	-3.44	6216.83	-231.46	-1.973e+04
83	81	7.673e+04	412.46	-3.38e-03	-2155.22	0.0	438.46	432.59	4.23	-847.24	96.00	7.305e+04
		1063.69	96.00	6.04e-03	0.0	104.6	438.46	-1722.63	4.23	-847.24	412.46	1063.69
83	87	5.712e+04	70.37	1.44e-03	-2155.22	0.0	98.40	433.40	0.32	994.38	37.13	5.342e+04
		-1.848e+04	37.13	8.34e-04	0.0	104.6	98.40	-1721.82	0.32	994.38	70.37	-1.848e+04
83	88	5.672e+04	70.34	1.45e-03	-2155.22	0.0	102.79	437.01	0.31	995.63	37.64	5.295e+04
		-1.855e+04	37.64	8.53e-04	0.0	104.6	102.79	-1718.21	0.31	995.63	70.34	-1.855e+04
83	93	6.752e+04	77.13	1.61e-03	-2565.51	0.0	95.37	526.53	0.41	954.76	34.30	6.292e+04
		-2.160e+04	34.30	8.79e-04	0.0	104.6	95.37	-2038.97	0.41	954.76	77.13	-2.160e+04
83	95	6.658e+04	77.05	1.66e-03	-2565.51	0.0	105.63	534.95	0.40	957.67	35.48	6.180e+04
		-2.178e+04	35.48	9.24e-04	0.0	104.6	105.63	-2030.55	0.40	957.67	77.05	-2.178e+04
83	97	6.381e+04	83.15	1.52e-03	-2360.36	0.0	101.87	462.15	0.41	1133.23	40.11	6.003e+04
		-2.011e+04	40.11	8.69e-04	0.0	104.6	101.87	-1898.21	0.41	1133.23	83.15	-2.011e+04
83	98	5.767e+04	79.70	1.48e-03	-2155.22	0.0	113.64	424.00	0.35	1155.95	42.70	5.416e+04
		-1.872e+04	42.70	8.91e-04	0.0	104.6	113.64	-1731.22	0.35	1155.95	79.70	-1.872e+04
83	101	5.645e+04	70.32	1.47e-03	-2155.22	0.0	105.72	439.41	0.31	996.46	37.97	5.263e+04
		-1.860e+04	37.97	8.66e-04	0.0	104.6	105.72	-1715.80	0.31	996.46	70.32	-1.860e+04
83	102	5.920e+04	71.72	1.47e-03	-2237.28	0.0	97.79	452.03	0.34	986.46	36.56	5.532e+04
		-1.910e+04	36.56	8.43e-04	0.0	104.6	97.79	-1785.25	0.34	986.46	71.72	-1.910e+04
83	104	5.880e+04	71.69	1.49e-03	-2237.28	0.0	102.19	455.64	0.33	987.70	37.07	5.485e+04
		-1.918e+04	37.07	8.62e-04	0.0	104.6	102.19	-1781.64	0.33	987.70	71.69	-1.918e+04
83	105	5.712e+04	70.37	1.44e-03	-2155.22	0.0	98.40	433.40	0.32	994.38	37.13	5.342e+04
		-1.848e+04	37.13	8.34e-04	0.0	104.6	98.40	-1721.82	0.32	994.38	70.37	-1.848e+04
83	106	5.672e+04	70.34	1.45e-03	-2155.22	0.0	102.79	437.01	0.31	995.63	37.64	5.295e+04
		-1.855e+04	37.64	8.53e-04	0.0	104.6	102.79	-1718.21	0.31	995.63	70.34	-1.855e+04
84	5	1.254e+05	299.30	-0.05	-2149.38	0.0	-424.95	3401.18	72.93	-729.00	-7540.48	-1.434e+05
		-1.434e+05	-7540.48	9.00e-04	0.0	107.5	-424.95	1251.80	72.93	-729.00	299.30	1.254e+05
84	9	2.049e+05	470.04	-0.08	-3575.63	0.0	-690.89	5586.76	118.93	-3705.32	-1.231e+04	-2.325e+05
		-2.325e+05	-1.231e+04	1.25e-03	0.0	107.5	-690.89	2011.13	118.93	-3705.32	470.04	2.049e+05
84	11	2.043e+05	476.35	-0.08	-3575.63	0.0	-696.63	5590.65	119.57	-3507.47	-1.238e+04	-2.337e+05
		-2.337e+05	-1.238e+04	1.33e-03	0.0	107.5	-696.63	2015.01	119.57	-3507.47	476.35	2.043e+05
84	18	1.913e+05	481.13	-0.08	-3259.49	0.0	-656.53	5196.18	112.60	-238.34	-1.162e+04	-2.214e+05
		-2.214e+05	-1.162e+04	1.32e-03	0.0	107.5	-656.53	1936.69	112.60	-238.34	481.13	1.913e+05
84	29	-5245.32	2776.05	-0.04	-2214.23	0.0	-977.40	4183.49	186.52	3940.53	-1.729e+04	-3.551e+05
		-3.551e+05	-1.729e+04	7.11e-03	0.0	107.5	-977.40	1969.25	186.52	3940.53	2776.05	-5245.32
84	34	8164.06	1519.23	-0.04	-2214.23	0.0	-678.92	4317.26	145.27	660.37	-1.409e+04	-3.633e+05

		-3.633e+05	-1.409e+04	-2.17e-03	0.0	107.5	-678.92	2103.03	145.27	660.37	1519.23	8164.06
84	36	2.647e+05	1405.55	-0.07	-2214.23	0.0	85.97	2789.24	-31.96	-5494.66	1405.55	6.381e+04
		6.381e+04	-2036.48	2.37e-03	0.0	107.5	85.97	575.01	-31.96	-5494.66	-2036.48	2.647e+05
84	48	1.942e+05	52.79	-0.06	-2214.23	0.0	175.53	3454.36	-24.23	-6043.18	52.79	-6.880e+04
		-6.880e+04	-2561.84	-4.72e-03	0.0	107.5	175.53	1240.13	-24.23	-6043.18	-2561.84	1.942e+05
84	49	6.365e+04	3178.66	-0.05	-2214.23	0.0	-1050.00	3549.49	174.14	3196.51	-1.555e+04	-2.260e+05
		-2.260e+05	-1.555e+04	6.57e-03	0.0	107.5	-1050.00	1335.26	174.14	3196.51	3178.66	6.365e+04
84	61	5.470e+04	1657.25	-0.04	-2214.23	0.0	-736.04	3874.16	136.30	1998.26	-1.300e+04	-2.623e+05
		-2.623e+05	-1.300e+04	4.79e-03	0.0	107.5	-736.04	1659.93	136.30	1998.26	1657.25	5.470e+04
84	66	6.267e+04	981.84	-0.04	-2214.23	0.0	-570.32	3941.25	113.81	-71.83	-1.125e+04	-2.656e+05
		-2.656e+05	-1.125e+04	-1.29e-03	0.0	107.5	-570.32	1727.02	113.81	-71.83	981.84	6.267e+04
84	68	2.037e+05	-972.90	-0.06	-2214.23	0.0	-149.91	3110.38	16.45	-3442.42	-2737.89	-3.095e+04
		-3.095e+04	-2737.89	1.24e-03	0.0	107.5	-149.91	896.15	16.45	-3442.42	-972.90	2.037e+05
84	80	1.655e+05	-1245.57	-0.05	-2214.23	0.0	-99.03	3465.68	20.94	-3848.55	-3491.60	-1.026e+05
		-1.026e+05	-3491.60	-3.79e-03	0.0	107.5	-99.03	1251.45	20.94	-3848.55	-1245.57	1.655e+05
84	81	9.177e+04	1862.39	-0.05	-2214.23	0.0	-778.19	3533.02	129.40	2082.50	-1.205e+04	-1.928e+05
		-1.928e+05	-1.205e+04	5.67e-03	0.0	107.5	-778.19	1318.79	129.40	2082.50	1862.39	9.177e+04
84	87	1.288e+05	306.60	-0.05	-2214.23	0.0	-436.97	3498.24	74.99	-939.56	-7754.75	-1.474e+05
		-1.474e+05	-7754.75	9.14e-04	0.0	107.5	-436.97	1284.01	74.99	-939.56	306.60	1.288e+05
84	88	1.287e+05	308.41	-0.05	-2214.23	0.0	-438.61	3499.35	75.17	-883.02	-7772.64	-1.477e+05
		-1.477e+05	-7772.64	9.38e-04	0.0	107.5	-438.61	1285.12	75.17	-883.02	308.41	1.287e+05
84	89	1.288e+05	306.60	-0.05	-2214.23	0.0	-436.97	3498.24	74.99	-939.56	-7754.75	-1.474e+05
		-1.474e+05	-7754.75	9.14e-04	0.0	107.5	-436.97	1284.01	74.99	-939.56	306.60	1.288e+05
84	93	1.515e+05	349.37	-0.06	-2635.75	0.0	-510.84	4126.23	87.91	-2455.12	-9100.97	-1.720e+05
		-1.720e+05	-9100.97	9.44e-04	0.0	107.5	-510.84	1490.48	87.91	-2455.12	349.37	1.515e+05
84	95	1.511e+05	353.58	-0.06	-2635.75	0.0	-514.67	4128.82	88.34	-2323.22	-9142.73	-1.728e+05
		-1.728e+05	-9142.73	9.99e-04	0.0	107.5	-514.67	1493.07	88.34	-2323.22	353.58	1.511e+05
84	99	1.425e+05	356.77	-0.06	-2424.99	0.0	-487.93	3865.84	83.69	-143.80	-8639.96	-1.646e+05
		-1.646e+05	-8639.96	9.93e-04	0.0	107.5	-487.93	1440.85	83.69	-143.80	356.77	1.425e+05
84	100	1.288e+05	306.60	-0.05	-2214.23	0.0	-436.97	3498.24	74.99	-939.56	-7754.75	-1.474e+05
		-1.474e+05	-7754.75	9.14e-04	0.0	107.5	-436.97	1284.01	74.99	-939.56	306.60	1.288e+05
84	102	1.334e+05	315.16	-0.05	-2298.54	0.0	-451.74	3623.84	77.57	-1242.67	-8023.99	-1.523e+05
		-1.523e+05	-8023.99	9.20e-04	0.0	107.5	-451.74	1325.30	77.57	-1242.67	315.16	1.334e+05
84	104	1.332e+05	316.96	-0.05	-2298.54	0.0	-453.38	3624.95	77.76	-1186.14	-8041.89	-1.526e+05
		-1.526e+05	-8041.89	9.44e-04	0.0	107.5	-453.38	1326.41	77.76	-1186.14	316.96	1.332e+05
84	105	1.288e+05	306.60	-0.05	-2214.23	0.0	-436.97	3498.24	74.99	-939.56	-7754.75	-1.474e+05
		-1.474e+05	-7754.75	9.14e-04	0.0	107.5	-436.97	1284.01	74.99	-939.56	306.60	1.288e+05
84	106	1.287e+05	308.41	-0.05	-2214.23	0.0	-438.61	3499.35	75.17	-883.02	-7772.64	-1.477e+05
		-1.477e+05	-7772.64	9.38e-04	0.0	107.5	-438.61	1285.12	75.17	-883.02	308.41	1.287e+05
85	7	5.609e+04	114.63	0.01	-2259.35	0.0	-172.26	-612.64	-1.01	275.32	114.63	5.609e+04
		-1.535e+05	0.24	1.09e-03	0.0	113.0	-172.26	-2871.99	-1.01	275.32	0.24	-1.535e+05
85	9	9.629e+04	163.84	0.02	-3758.57	0.0	-244.31	-817.02	-1.21	907.20	163.84	9.629e+04
		-2.285e+05	26.91	1.40e-03	0.0	113.0	-244.31	-4575.59	-1.21	907.20	26.91	-2.285e+05
85	11	9.424e+04	169.45	0.02	-3758.57	0.0	-254.29	-859.49	-1.37	846.58	169.45	9.424e+04
		-2.356e+05	14.53	1.48e-03	0.0	113.0	-254.29	-4618.06	-1.37	846.58	14.53	-2.356e+05
85	19	6.223e+04	109.41	0.01	-2259.35	0.0	-155.46	-612.09	-0.79	387.02	109.41	6.223e+04
		-1.472e+05	20.22	9.97e-04	0.0	113.0	-155.46	-2871.44	-0.79	387.02	20.22	-1.472e+05
85	35	-4740.87	606.51	0.03	-2327.52	0.0	911.07	-1406.07	5.11	656.21	-13.43	-4740.87
		-3.068e+05	-13.43	4.07e-03	0.0	113.0	911.07	-3733.59	5.11	656.21	606.51	-3.068e+05
85	38	1.249e+05	237.65	-5.84e-03	-2327.52	0.0	-1249.58	253.55	-6.88	89.15	237.65	1.245e+05
		7762.03	-581.35	-2.00e-03	0.0	113.0	-1249.58	-2073.96	-6.88	89.15	-581.35	7762.03
85	39	2.038e+04	1432.02	0.04	-2327.52	0.0	-2877.82	-1192.04	11.77	-1.112e+04	-229.50	2.038e+04
		-2.551e+05	-229.50	-0.01	0.0	113.0	-2877.82	-3519.55	11.77	-1.112e+04	1432.02	-2.551e+05
85	40	6.932e+04	424.42	-0.01	-2327.52	0.0	3461.70	-329.65	-11.60	1.334e+04	424.42	6.932e+04
		-1.148e+05	-1190.25	0.02	0.0	113.0	3461.70	-2657.17	-11.60	1.334e+04	-1190.25	-1.148e+05
85	41	5.085e+04	1220.18	0.04	-2327.52	0.0	-3787.77	-816.09	9.93	-1.264e+04	-205.67	5.085e+04
		-1.829e+05	-205.67	-0.01	0.0	113.0	-3787.77	-3143.60	9.93	-1.264e+04	1220.18	-1.829e+05
85	42	9.979e+04	448.26	-0.02	-2327.52	0.0	2551.75	46.30	-13.44	1.182e+04	448.26	9.979e+04
		-4.263e+04	-1402.10	0.02	0.0	113.0	2551.75	-2281.21	-13.44	1.182e+04	-1402.10	-4.263e+04
85	67	2.382e+04	319.66	0.02	-2327.52	0.0	419.92	-1048.56	2.20	468.55	47.83	2.382e+04
		-2.385e+05	47.83	3.20e-03	0.0	113.0	419.92	-3376.07	2.20	468.55	319.66	-2.385e+05
85	70	9.591e+04	173.84	2.60e-03	-2327.52	0.0	-749.93	-103.99	-3.93	281.93	173.84	9.591e+04
		-6.052e+04	-292.56	-1.16e-03	0.0	113.0	-749.93	-2431.51	-3.93	281.93	-292.56	-6.052e+04
85	71	3.644e+04	748.39	0.03	-2327.52	0.0	-1691.92	-971.48	5.50	-6137.80	-59.05	3.644e+04
		-2.160e+05	-59.05	-5.78e-03	0.0	113.0	-1691.92	-3299.00	5.50	-6137.80	748.39	-2.160e+05
85	72	6.651e+04	268.42	-3.69e-03	-2327.52	0.0	1859.64	-387.23	-6.24	7723.93	268.42	6.651e+04
		-1.227e+05	-607.11	7.12e-03	0.0	113.0	1859.64	-2714.74	-6.24	7723.93	-607.11	-1.227e+05
85	73	5.322e+04	634.21	0.03	-2327.52	0.0	-2189.64	-765.32	4.52	-6973.46	-46.75	5.322e+04
		-1.763e+05	-46.75	-5.09e-03	0.0	113.0	-2189.64	-3092.84	4.52	-6973.46	634.21	-1.763e+05
85	74	8.329e+04	280.72	-5.41e-03	-2327.52	0.0	1361.92	-181.07	-7.22	6888.28	280.72	8.329e+04
		-8.300e+04	-721.29	7.81e-03	0.0	113.0	1361.92	-2508.59	-7.22	6888.28	-721.29	-8.300e+04
85	87	6.045e+04	109.23	0.01	-2327.52	0.0	-162.15	-564.14	-0.82	392.56	109.23	6.045e+04
		-1.475e+05	17.09	9.92e-04	0.0	113.0	-162.15	-2891.66	-0.82	392.56	17.09	-1.475e+05
85	88	5.987e+04	110.84	0.01	-2327.52	0.0	-165.00	-576.28	-0.86	375.24	110.84	5.987e+04
		-1.495e+05	13.55	1.02e-03	0.0	113.0	-165.00	-2903.79	-0.86	375.24	13.55	-1.495e+05
85	91	5.850e+04	114.57	0.01	-2327.52	0.0	-171.66	-604.59	-0.97	334.82	114.57	5.850e+04
		-1.543e+05	5.29	1.07e-03	0.0	113.0	-171.66	-2932.11	-0.97	334.82	5.29	-1.543e+05
85	93	7.130e+04	122.05	0.01	-2770.60	0.0	-181.73	-611.77	-0.90	636.71	122.05	7.130e+04
		-1.692e+05	20.79	1.05e-03	0.0	113.0	-181.73	-3382.38	-0.90	636.71	20.79	-1.692e+05
85	95	6.993e+04	125.79	0.01	-2770.60	0.0	-188.38	-640.09	-1.00	596.30	125.79	6.993e+04

		-1.739e+05	12.53	1.11e-03	0.0	113.0	-188.38	-3410.70	-1.00	596.30	12.53 -1.739e+05
85	96	6.259e+04	111.09	0.01	-2327.52	0.0	-160.46	-604.23	-0.82	409.29	111.09 6.259e+04
		-1.501e+05	18.61	1.01e-03	0.0	113.0	-160.46	-2931.75	-0.82	409.29	18.61 -1.501e+05
85	100	6.045e+04	109.23	0.01	-2327.52	0.0	-162.15	-564.14	-0.82	392.56	109.23 6.045e+04
		-1.475e+05	17.09	9.92e-04	0.0	113.0	-162.15	-2891.66	-0.82	392.56	17.09 -1.475e+05
85	101	5.948e+04	111.90	0.01	-2327.52	0.0	-166.90	-584.37	-0.89	363.69	111.90 5.948e+04
		-1.509e+05	11.19	1.03e-03	0.0	113.0	-166.90	-2911.88	-0.89	363.69	11.19 -1.509e+05
85	102	6.262e+04	111.80	0.01	-2416.13	0.0	-166.07	-573.67	-0.83	441.39	111.80 6.262e+04
		-1.518e+05	17.83	1.00e-03	0.0	113.0	-166.07	-2989.80	-0.83	441.39	17.83 -1.518e+05
85	104	6.204e+04	113.40	0.01	-2416.13	0.0	-168.92	-585.80	-0.88	424.07	113.40 6.204e+04
		-1.539e+05	14.29	1.03e-03	0.0	113.0	-168.92	-3001.94	-0.88	424.07	14.29 -1.539e+05
85	105	6.045e+04	109.23	0.01	-2327.52	0.0	-162.15	-564.14	-0.82	392.56	109.23 6.045e+04
		-1.475e+05	17.09	9.92e-04	0.0	113.0	-162.15	-2891.66	-0.82	392.56	17.09 -1.475e+05
85	106	5.987e+04	110.84	0.01	-2327.52	0.0	-165.00	-576.28	-0.86	375.24	110.84 5.987e+04
		-1.495e+05	13.55	1.02e-03	0.0	113.0	-165.00	-2903.79	-0.86	375.24	13.55 -1.495e+05
86	3	3.403e+04	282.59	-4.28e-03	-1689.69	0.0	4643.41	491.18	60.09 -1.053e+04	282.59 2.693e+04	
		-8432.25	-4473.53	7.33e-04	0.0	100.0	4643.41	-1198.51	60.09 -1.053e+04	-4473.53 -8432.25	
86	4	3.447e+04	423.94	-4.46e-03	-1689.69	0.0	4698.25	491.97	56.36 -1.095e+04	423.94 2.735e+04	
		-7939.10	-5002.27	7.38e-04	0.0	100.0	4698.25	-1197.72	56.36 -1.095e+04	-5002.27 -7939.10	
86	5	2.406e+04	256.77	-2.88e-03	-1202.32	0.0	3067.76	356.68	38.75 -7469.71	256.77 1.878e+04	
		-5667.27	-3443.66	4.76e-04	0.0	100.0	3067.76	-845.64	38.75 -7469.71	-3443.66 -5667.27	
86	9	3.275e+04	664.86	-4.26e-03	-1582.70	0.0	4221.46	469.87	42.95 -1.085e+04	664.86 2.580e+04	
		-6350.10	-5744.43	6.57e-04	0.0	100.0	4221.46	-1112.84	42.95 -1.085e+04	-5744.43 -6350.10	
86	47	4867.43	-1386.22	-0.04	-1232.28	0.0	5475.15	-293.96	-5.24 449.94	-1386.22 4867.43	
		-6.660e+04	-9837.91	4.64e-03	0.0	100.0	5475.15	-1526.23	-5.24 449.94	-9837.91 -6.660e+04	
86	48	7.027e+04	1776.56	0.03	-1232.28	0.0	-327.81	1173.20	67.44 -8227.39	1776.56 3.592e+04	
		3.592e+04	1296.38	-3.45e-03	0.0	100.0	-327.81	-59.07	67.44 -8227.39	1296.38 6.632e+04	
86	49	1800.14	-1022.65	-0.04	-1232.28	0.0	5987.65	-433.05	0.72 -6822.49	-1022.65 1800.14	
		-7.781e+04	-8899.41	4.54e-03	0.0	100.0	5987.65	-1665.32	0.72 -6822.49	-8899.41 -7.781e+04	
86	50	6.139e+04	2234.89	0.03	-1232.28	0.0	184.69	1034.11	73.40 -1.550e+04	2234.89 3.286e+04	
		3.286e+04	2140.13	-3.55e-03	0.0	100.0	184.69	-198.16	73.40 -1.550e+04	2140.13 5.511e+04	
86	79	1.438e+04	-621.01	-0.03	-1232.28	0.0	4547.81	-8.39	18.52 -3040.48	-621.01 1.401e+04	
		-3.787e+04	-6550.59	3.64e-03	0.0	100.0	4547.81	-1240.66	18.52 -3040.48	-6550.59 -3.787e+04	
86	80	4.494e+04	974.97	0.02	-1232.28	0.0	1624.15	811.50	59.07 -8275.10	974.97 2.651e+04	
		2.651e+04	-914.14	-2.55e-03	0.0	100.0	1624.15	-420.78	59.07 -8275.10	-914.14 3.231e+04	
86	81	1.240e+04	-459.20	-0.03	-1232.28	0.0	4831.58	-84.99	22.32 -7130.39	-459.20 1.232e+04	
		-4.406e+04	-6070.58	3.55e-03	0.0	100.0	4831.58	-1317.26	22.32 -7130.39	-6070.58 -4.406e+04	
86	82	4.087e+04	1136.78	0.02	-1232.28	0.0	1907.92	734.90	62.87 -1.237e+04	1136.78 2.482e+04	
		2.482e+04	-434.13	-2.64e-03	0.0	100.0	1907.92	-497.38	62.87 -1.237e+04	-434.13 2.612e+04	
86	87	2.432e+04	277.80	-2.95e-03	-1210.88	0.0	3121.54	358.68	38.76 -7597.85	277.80 1.902e+04	
		-5653.78	-3535.05	4.85e-04	0.0	100.0	3121.54	-852.20	38.76 -7597.85	-3535.05 -5653.78	
86	88	2.475e+04	257.88	-3.02e-03	-1232.28	0.0	3227.86	363.26	40.70 -7702.74	257.88 1.942e+04	
		-5872.94	-3492.36	5.03e-04	0.0	100.0	3227.86	-869.02	40.70 -7702.74	-3492.36 -5872.94	
86	89	2.432e+04	277.80	-2.95e-03	-1210.88	0.0	3121.54	358.68	38.76 -7597.85	277.80 1.902e+04	
		-5653.78	-3535.05	4.85e-04	0.0	100.0	3121.54	-852.20	38.76 -7597.85	-3535.05 -5653.78	
86	91	2.576e+04	211.42	-3.20e-03	-1282.20	0.0	3475.96	373.94	45.22 -7947.49	211.42 2.033e+04	
		-6384.34	-3392.77	5.47e-04	0.0	100.0	3475.96	-908.26	45.22 -7947.49	-3392.77 -6384.34	
86	92	2.605e+04	305.65	-3.32e-03	-1282.20	0.0	3512.52	374.48	42.73 -8227.60	305.65 2.061e+04	
		-6055.56	-3745.26	5.50e-04	0.0	100.0	3512.52	-907.73	42.73 -8227.60	-3745.26 -6055.56	
86	93	2.490e+04	466.26	-3.19e-03	-1210.88	0.0	3194.66	359.74	33.79 -8158.06	466.26 1.957e+04	
		-4996.23	-4240.04	4.96e-04	0.0	100.0	3194.66	-851.14	33.79 -8158.06	-4240.04 -4996.23	
86	100	2.432e+04	277.80	-2.95e-03	-1210.88	0.0	3121.54	358.68	38.76 -7597.85	277.80 1.902e+04	
		-5653.78	-3535.05	4.85e-04	0.0	100.0	3121.54	-852.20	38.76 -7597.85	-3535.05 -5653.78	
86	101	2.504e+04	244.61	-3.07e-03	-1246.54	0.0	3298.75	366.31	41.99 -7772.67	244.61 1.968e+04	
		-6019.06	-3463.91	5.15e-04	0.0	100.0	3298.75	-880.23	41.99 -7772.67	-3463.91 -6019.06	
86	102	2.444e+04	315.49	-3.00e-03	-1210.88	0.0	3136.16	358.89	37.76 -7709.89	315.49 1.913e+04	
		-5522.27	-3676.05	4.87e-04	0.0	100.0	3136.16	-851.99	37.76 -7709.89	-3676.05 -5522.27	
86	105	2.432e+04	277.80	-2.95e-03	-1210.88	0.0	3121.54	358.68	38.76 -7597.85	277.80 1.902e+04	
		-5653.78	-3535.05	4.85e-04	0.0	100.0	3121.54	-852.20	38.76 -7597.85	-3535.05 -5653.78	
86	106	2.475e+04	257.88	-3.02e-03	-1232.28	0.0	3227.86	363.26	40.70 -7702.74	257.88 1.942e+04	
		-5872.94	-3492.36	5.03e-04	0.0	100.0	3227.86	-869.02	40.70 -7702.74	-3492.36 -5872.94	
87	9	7.964e+04	116.86	-0.02	-4407.18	0.0	-164.07	4453.31	2.02 6500.53	-150.55 -2.325e+05	
		-2.325e+05	-150.55	1.51e-03	0.0	132.5	-164.07	46.12	2.02 6500.53	116.86 7.964e+04	
87	11	7.780e+04	124.63	-0.02	-4407.18	0.0	-165.82	4464.93	2.15 6566.41	-160.85 -2.360e+05	
		-2.360e+05	-160.85	1.59e-03	0.0	132.5	-165.82	57.75	2.15 6566.41	124.63 7.780e+04	
87	19	5.096e+04	71.14	-0.01	-2649.24	0.0	-103.34	2745.01	1.28 1941.63	-98.43 -1.476e+05	
		-1.476e+05	-98.43	1.08e-03	0.0	132.5	-103.34	95.77	1.28 1941.63	71.14 5.096e+04	
87	33	1.253e+04	247.70	-7.93e-03	-2729.18	0.0	-2406.44	3201.24	8.62 -2401.89	-897.87 -2.399e+05	
		-2.399e+05	-897.87	-7.70e-03	0.0	132.5	-2406.44	472.07	8.62 -2401.89	247.70 1.253e+04	
87	40	9.527e+04	1570.40	-0.02	-2729.18	0.0	2944.63	2608.16	-13.41 1.594e+04	1570.40 -7.936e+04	
		-7.936e+04	-208.17	0.02	0.0	132.5	2944.63	-121.02	-13.41 1.594e+04	-208.17 9.527e+04	
87	41	3451.82	364.49	4.24e-03	-2729.18	0.0	-3162.03	2959.34	16.11 -9188.32	-1771.15 -2.168e+05	
		-2.168e+05	-1771.15	-0.01	0.0	132.5	-3162.03	230.17	16.11 -9188.32	364.49 3451.82	
87	44	9.527e+04	1544.05	-0.02	-2729.18	0.0	2949.00	2605.24	-13.19 1.560e+04	1544.05 -7.898e+04	
		-7.898e+04	-205.56	0.02	0.0	132.5	2949.00	-123.93	-13.19 1.560e+04	-205.56 9.527e+04	
87	45	3453.86	361.88	4.28e-03	-2729.18	0.0	-3166.41	2962.26	15.89 -8847.44	-1744.80 -2.172e+05	
		-2.172e+05	-1744.80	-0.02	0.0	132.5	-3166.41	233.08	15.89 -8847.44	361.88 3453.86	
87	65	2.857e+04	175.99	-8.70e-03	-2729.18	0.0	-1371.45	3015.04	5.35 254.77	-535.18 -1.993e+05	
		-1.993e+05	-535.18	-3.19e-03	0.0	132.5	-1371.45	285.87	5.35 254.77	175.99 2.857e+04	
87	72	7.598e+04	818.86	-0.02	-2729.18	0.0	1585.36	2686.04	-6.93 1.011e+04	818.86 -1.088e+05	

		-1.088e+05	-99.70	7.25e-03	0.0	132.5	1585.36	-43.14	-6.93	1.011e+04	-99.70	7.598e+04
87	73	2.241e+04	259.01	-2.45e-03	-2729.18	0.0	-1803.57	2883.57	9.67	-3332.24	-1023.70	-1.879e+05
		-1.879e+05	-1023.70	-5.06e-03	0.0	132.5	-1803.57	154.39	9.67	-3332.24	259.01	2.241e+04
87	76	7.598e+04	803.77	-0.02	-2729.18	0.0	1587.96	2684.43	-6.80	9925.47	803.77	-1.086e+05
		-1.086e+05	-98.21	0.01	0.0	132.5	1587.96	-44.75	-6.80	9925.47	-98.21	7.598e+04
87	77	2.241e+04	257.53	-2.41e-03	-2729.18	0.0	-1806.17	2885.18	9.55	-3144.83	-1008.61	-1.881e+05
		-1.881e+05	-1008.61	-7.96e-03	0.0	132.5	-1806.17	156.00	9.55	-3144.83	257.53	2.241e+04
87	87	4.973e+04	77.44	-0.01	-2729.18	0.0	-108.60	2781.48	1.34	3371.49	-99.48	-1.474e+05
		-1.474e+05	-99.48	1.07e-03	0.0	132.5	-108.60	52.31	1.34	3371.49	77.44	4.973e+04
87	88	4.920e+04	79.66	-0.01	-2729.18	0.0	-109.10	2784.80	1.37	3390.32	-102.42	-1.484e+05
		-1.484e+05	-102.42	1.10e-03	0.0	132.5	-109.10	55.63	1.37	3390.32	79.66	4.920e+04
87	93	5.892e+04	86.69	-0.01	-3248.73	0.0	-122.32	3287.00	1.50	4647.34	-111.60	-1.719e+05
		-1.719e+05	-111.60	1.13e-03	0.0	132.5	-122.32	38.28	1.50	4647.34	86.69	5.892e+04
87	95	5.769e+04	91.87	-0.01	-3248.73	0.0	-123.49	3294.75	1.59	4691.26	-118.47	-1.742e+05
		-1.742e+05	-118.47	1.19e-03	0.0	132.5	-123.49	46.03	1.59	4691.26	91.87	5.769e+04
87	96	5.135e+04	74.78	-0.01	-2729.18	0.0	-106.63	2809.90	1.33	2554.13	-100.80	-1.503e+05
		-1.503e+05	-100.80	1.09e-03	0.0	132.5	-106.63	80.73	1.33	2554.13	74.78	5.135e+04
87	100	4.973e+04	77.44	-0.01	-2729.18	0.0	-108.60	2781.48	1.34	3371.49	-99.48	-1.474e+05
		-1.474e+05	-99.48	1.07e-03	0.0	132.5	-108.60	52.31	1.34	3371.49	77.44	4.973e+04
87	102	5.157e+04	79.29	-0.01	-2833.09	0.0	-111.34	2882.59	1.37	3626.66	-101.90	-1.523e+05
		-1.523e+05	-101.90	1.09e-03	0.0	132.5	-111.34	49.50	1.37	3626.66	79.29	5.157e+04
87	104	5.104e+04	81.51	-0.01	-2833.09	0.0	-111.85	2885.91	1.41	3645.49	-104.84	-1.533e+05
		-1.533e+05	-104.84	1.11e-03	0.0	132.5	-111.85	52.82	1.41	3645.49	81.51	5.104e+04
87	105	4.973e+04	77.44	-0.01	-2729.18	0.0	-108.60	2781.48	1.34	3371.49	-99.48	-1.474e+05
		-1.474e+05	-99.48	1.07e-03	0.0	132.5	-108.60	52.31	1.34	3371.49	77.44	4.973e+04
87	106	4.920e+04	79.66	-0.01	-2729.18	0.0	-109.10	2784.80	1.37	3390.32	-102.42	-1.484e+05
		-1.484e+05	-102.42	1.10e-03	0.0	132.5	-109.10	55.63	1.37	3390.32	79.66	4.920e+04
88	7	1.714e+05	37.00	0.02	-2196.22	0.0	-23.29	171.55	0.42	1086.48	-9.64	1.711e+05
		6.260e+04	-9.64	1.17e-03	0.0	109.8	-23.29	-2024.67	0.42	1086.48	37.00	6.260e+04
88	9	2.784e+05	60.26	0.04	-3653.56	0.0	-73.02	318.44	0.67	2643.04	-13.33	2.776e+05
		1.016e+05	-13.33	1.50e-03	0.0	109.8	-73.02	-3335.11	0.67	2643.04	60.26	1.016e+05
88	11	2.784e+05	58.99	0.04	-3653.56	0.0	-70.41	317.06	0.69	2583.52	-17.14	2.776e+05
		1.014e+05	-17.14	1.58e-03	0.0	109.8	-70.41	-3336.49	0.69	2583.52	58.99	1.014e+05
88	16	2.629e+05	67.28	0.04	-3330.52	0.0	-53.96	248.48	0.60	1586.49	1.60	2.626e+05
		9.662e+04	1.60	1.48e-03	0.0	109.8	-53.96	-3082.05	0.60	1586.49	67.28	9.662e+04
88	21	1.784e+05	48.66	0.02	-2196.22	0.0	-20.95	139.89	0.41	514.91	4.14	1.784e+05
		6.577e+04	4.14	1.16e-03	0.0	109.8	-20.95	-2056.33	0.41	514.91	48.66	6.577e+04
88	33	2.184e+05	43.99	-9.00e-03	-2262.49	0.0	57.41	698.08	0.68	-4615.17	43.99	2.115e+05
		1.462e+05	-22.65	-2.75e-03	0.0	109.8	57.41	-1564.40	0.68	-4615.17	-22.65	1.462e+05
88	36	1.408e+05	-38.74	0.05	-2262.49	0.0	548.87	-345.35	-1.68	5751.31	-38.74	1.408e+05
		-1.817e+04	-387.10	1.65e-03	0.0	109.8	548.87	-2607.84	-1.68	5751.31	-387.10	-1.817e+04
88	39	1.781e+05	588.02	0.04	-2262.49	0.0	3923.09	105.20	-4.13	-4267.07	588.02	1.781e+05
		4.926e+04	-1007.52	-3.65e-03	0.0	109.8	3923.09	-2157.28	-4.13	-4267.07	-1007.52	4.926e+04
88	42	1.752e+05	1101.75	9.90e-03	-2262.49	0.0	-3979.95	254.44	4.88	7062.59	-575.83	1.733e+05
		7.969e+04	-575.83	5.82e-03	0.0	109.8	-3979.95	-2008.04	4.88	7062.59	1101.75	7.969e+04
88	65	1.975e+05	19.54	0.01	-2262.49	0.0	20.40	464.46	0.57	-2035.66	19.54	1.946e+05
		1.093e+05	4.23	-5.47e-04	0.0	109.8	20.40	-1798.03	0.57	-2035.66	4.23	1.093e+05
88	68	1.572e+05	-26.29	0.04	-2262.49	0.0	289.01	-107.63	-0.71	3723.63	-26.29	1.572e+05
		1.908e+04	-193.93	9.04e-04	0.0	109.8	289.01	-2370.12	-0.71	3723.63	-193.93	1.908e+04
88	71	1.771e+05	314.36	0.03	-2262.49	0.0	2159.14	139.15	-2.08	-2002.25	314.36	1.771e+05
		5.615e+04	-539.02	1.54e-04	0.0	109.8	2159.14	-2123.34	-2.08	-2002.25	-539.02	5.615e+04
88	74	1.752e+05	617.32	0.02	-2262.49	0.0	-2217.50	222.26	2.90	4486.15	-326.95	1.743e+05
		7.278e+04	-326.95	2.03e-03	0.0	109.8	-2217.50	-2040.23	2.90	4486.15	617.32	7.278e+04
88	87	1.760e+05	39.51	0.02	-2262.49	0.0	-29.93	181.10	0.41	1258.96	-5.21	1.757e+05
		6.453e+04	-5.21	1.07e-03	0.0	109.8	-29.93	-2081.39	0.41	1258.96	39.51	6.453e+04
88	88	1.760e+05	39.15	0.02	-2262.49	0.0	-29.18	180.70	0.41	1241.95	-6.30	1.757e+05
		6.447e+04	-6.30	1.09e-03	0.0	109.8	-29.18	-2081.78	0.41	1241.95	39.15	6.447e+04
88	91	1.760e+05	38.30	0.02	-2262.49	0.0	-27.44	179.78	0.43	1202.27	-8.83	1.757e+05
		6.433e+04	-8.83	1.15e-03	0.0	109.8	-27.44	-2082.70	0.43	1202.27	38.30	6.433e+04
88	93	2.060e+05	44.98	0.03	-2693.19	0.0	-50.74	231.39	0.49	1871.59	-8.91	2.055e+05
		7.524e+04	-8.91	1.13e-03	0.0	109.8	-50.74	-2461.81	0.49	1871.59	44.98	7.524e+04
88	95	2.060e+05	44.13	0.03	-2693.19	0.0	-48.99	230.47	0.51	1831.91	-11.45	2.055e+05
		7.510e+04	-11.45	1.19e-03	0.0	109.8	-48.99	-2462.72	0.51	1831.91	44.13	7.510e+04
88	97	1.957e+05	49.66	0.03	-2477.84	0.0	-38.03	184.75	0.44	1167.22	1.04	1.954e+05
		7.193e+04	1.04	1.12e-03	0.0	109.8	-38.03	-2293.09	0.44	1167.22	49.66	7.193e+04
88	98	1.807e+05	46.08	0.02	-2262.49	0.0	-25.88	158.68	0.42	821.22	0.35	1.805e+05
		6.644e+04	0.35	1.14e-03	0.0	109.8	-25.88	-2103.80	0.42	821.22	46.08	6.644e+04
88	101	1.760e+05	38.91	0.02	-2262.49	0.0	-28.68	180.44	0.42	1230.61	-7.02	1.757e+05
		6.443e+04	-7.02	1.11e-03	0.0	109.8	-28.68	-2082.05	0.42	1230.61	38.91	6.443e+04
88	102	1.820e+05	40.61	0.02	-2348.63	0.0	-34.09	191.15	0.42	1381.48	-5.95	1.816e+05
		6.667e+04	-5.95	1.08e-03	0.0	109.8	-34.09	-2157.47	0.42	1381.48	40.61	6.667e+04
88	104	1.820e+05	40.24	0.02	-2348.63	0.0	-33.34	190.76	0.43	1364.48	-7.04	1.816e+05
		6.661e+04	-7.04	1.11e-03	0.0	109.8	-33.34	-2157.87	0.43	1364.48	40.24	6.661e+04
88	105	1.760e+05	39.51	0.02	-2262.49	0.0	-29.93	181.10	0.41	1258.96	-5.21	1.757e+05
		6.453e+04	-5.21	1.07e-03	0.0	109.8	-29.93	-2081.39	0.41	1258.96	39.51	6.453e+04
88	106	1.760e+05	39.15	0.02	-2262.49	0.0	-29.18	180.70	0.41	1241.95	-6.30	1.757e+05
		6.447e+04	-6.30	1.09e-03	0.0	109.8	-29.18	-2081.78	0.41	1241.95	39.15	6.447e+04
89	9	9.168e+04	60.29	0.06	-3652.62	0.0	-48.72	-2808.69	-0.09	5935.51	60.29	9.168e+04
		-4.466e+05	50.81	1.51e-03	0.0	109.8	-48.72	-6461.30	-0.09	5935.51	50.81	-4.466e+05
89	11	9.145e+04	59.02	0.06	-3652.62	0.0	-45.01	-2810.86	-0.03	5861.70	59.02	9.145e+04

		-4.471e+05	55.60	1.60e-03	0.0	109.8	-45.01	-6463.47	-0.03	5861.70	55.60	-4.471e+05
89	16	8.680e+04	67.31	0.06	-3329.67	0.0	-30.84	-2689.46	-0.31	3192.00	67.31	8.680e+04
		-4.202e+05	32.86	1.49e-03	0.0	109.8	-30.84	-6019.13	-0.31	3192.00	32.86	-4.202e+05
89	19	5.907e+04	49.96	0.04	-2195.66	0.0	-7.41	-1844.14	-0.32	867.05	49.96	5.907e+04
		-2.842e+05	14.86	1.09e-03	0.0	109.8	-7.41	-4039.80	-0.32	867.05	14.86	-2.842e+05
89	21	5.884e+04	48.68	0.04	-2195.66	0.0	-3.70	-1846.31	-0.26	793.24	48.68	5.884e+04
		-2.847e+05	19.65	1.17e-03	0.0	109.8	-3.70	-4041.97	-0.26	793.24	19.65	-2.847e+05
89	31	-7.394e+04	-1.20	0.02	-2261.90	0.0	2013.06	-2669.10	-0.13	-5747.34	-466.41	-7.394e+04
		-5.072e+05	-466.41	2.85e-03	0.0	109.8	2013.06	-4931.01	-0.13	-5747.34	-1.20	-5.072e+05
89	34	1.900e+05	548.74	0.06	-2261.90	0.0	-2030.61	-912.65	-0.17	1.129e+04	548.74	1.900e+05
		-5.642e+04	50.35	-6.05e-04	0.0	109.8	-2030.61	-3174.55	-0.17	1.129e+04	50.35	-5.642e+04
89	39	1774.61	-236.85	0.03	-2261.90	0.0	4175.53	-2187.74	-6.00	-8572.68	-1007.73	1774.61
		-3.778e+05	-1007.73	-4.70e-03	0.0	109.8	4175.53	-4449.64	-6.00	-8572.68	-236.85	-3.778e+05
89	42	1.143e+05	1101.99	0.04	-2261.90	0.0	-4200.15	-1394.18	5.37	1.432e+04	1101.99	1.143e+05
		-1.856e+05	262.06	6.89e-03	0.0	109.8	-4200.15	-3656.09	5.37	1.432e+04	262.06	-1.856e+05
89	63	-1.453e+04	14.75	0.03	-2261.90	0.0	1105.55	-2270.22	-0.08	-1995.62	-239.06	-1.453e+04
		-4.057e+05	-239.06	2.57e-03	0.0	109.8	1105.55	-4532.13	-0.08	-1995.62	14.75	-4.057e+05
89	66	1.305e+05	317.40	0.05	-2261.90	0.0	-1130.32	-1311.29	-0.09	7446.68	317.40	1.305e+05
		-1.580e+05	45.34	-3.63e-04	0.0	109.8	-1130.32	-3573.20	-0.09	7446.68	45.34	-1.580e+05
89	71	2.719e+04	-108.52	0.04	-2261.90	0.0	2310.56	-2007.25	-3.22	-3734.05	-539.09	2.719e+04
		-3.347e+05	-539.09	-4.22e-04	0.0	109.8	2310.56	-4269.16	-3.22	-3734.05	-108.52	-3.347e+05
89	74	8.881e+04	617.44	0.04	-2261.90	0.0	-2335.33	-1574.26	3.05	9185.10	617.44	8.881e+04
		-2.290e+05	168.61	2.63e-03	0.0	109.8	-2335.33	-3836.17	3.05	9185.10	168.61	-2.290e+05
89	87	5.807e+04	39.53	0.04	-2261.90	0.0	-13.45	-1790.14	-0.10	2746.62	39.53	5.807e+04
		-2.817e+05	28.68	1.08e-03	0.0	109.8	-13.45	-4052.04	-0.10	2746.62	28.68	-2.817e+05
89	88	5.800e+04	39.17	0.04	-2261.90	0.0	-12.39	-1790.76	-0.08	2725.53	39.17	5.800e+04
		-2.819e+05	30.05	1.10e-03	0.0	109.8	-12.39	-4052.66	-0.08	2725.53	30.05	-2.819e+05
89	93	6.787e+04	45.00	0.04	-2692.50	0.0	-32.59	-2081.13	-0.08	4181.66	45.00	6.787e+04
		-3.303e+05	36.53	1.14e-03	0.0	109.8	-32.59	-4773.63	-0.08	4181.66	36.53	-3.303e+05
89	95	6.772e+04	44.15	0.05	-2692.50	0.0	-30.12	-2082.58	-0.04	4132.45	44.15	6.772e+04
		-3.306e+05	39.72	1.20e-03	0.0	109.8	-30.12	-4775.08	-0.04	4132.45	39.72	-3.306e+05
89	96	5.972e+04	46.95	0.04	-2261.90	0.0	-11.10	-1856.15	-0.24	1635.13	46.95	5.972e+04
		-2.884e+05	20.64	1.10e-03	0.0	109.8	-11.10	-4118.05	-0.24	1635.13	20.64	-2.884e+05
89	97	6.462e+04	49.68	0.04	-2477.20	0.0	-20.67	-2001.65	-0.23	2352.65	49.68	6.462e+04
		-3.127e+05	24.56	1.13e-03	0.0	109.8	-20.67	-4478.85	-0.23	2352.65	24.56	-3.127e+05
89	98	5.957e+04	46.10	0.04	-2261.90	0.0	-8.63	-1857.60	-0.20	1585.92	46.10	5.957e+04
		-2.887e+05	23.83	1.15e-03	0.0	109.8	-8.63	-4119.50	-0.20	1585.92	23.83	-2.887e+05
89	100	5.807e+04	39.53	0.04	-2261.90	0.0	-13.45	-1790.14	-0.10	2746.62	39.53	5.807e+04
		-2.817e+05	28.68	1.08e-03	0.0	109.8	-13.45	-4052.04	-0.10	2746.62	28.68	-2.817e+05
89	101	5.796e+04	38.93	0.04	-2261.90	0.0	-11.68	-1791.17	-0.07	2711.47	38.93	5.796e+04
		-2.820e+05	30.96	1.12e-03	0.0	109.8	-11.68	-4053.08	-0.07	2711.47	30.96	-2.820e+05
89	102	6.003e+04	40.63	0.04	-2348.02	0.0	-17.27	-1848.34	-0.09	3033.63	40.63	6.003e+04
		-2.914e+05	30.25	1.09e-03	0.0	109.8	-17.27	-4196.36	-0.09	3033.63	30.25	-2.914e+05
89	104	5.996e+04	40.26	0.04	-2348.02	0.0	-16.21	-1848.96	-0.08	3012.54	40.26	5.996e+04
		-2.916e+05	31.62	1.11e-03	0.0	109.8	-16.21	-4196.98	-0.08	3012.54	31.62	-2.916e+05
89	105	5.807e+04	39.53	0.04	-2261.90	0.0	-13.45	-1790.14	-0.10	2746.62	39.53	5.807e+04
		-2.817e+05	28.68	1.08e-03	0.0	109.8	-13.45	-4052.04	-0.10	2746.62	28.68	-2.817e+05
89	106	5.800e+04	39.17	0.04	-2261.90	0.0	-12.39	-1790.76	-0.08	2725.53	39.17	5.800e+04
		-2.819e+05	30.05	1.10e-03	0.0	109.8	-12.39	-4052.66	-0.08	2725.53	30.05	-2.819e+05
90	5	1.716e+05	-4.22	-0.02	-1996.28	0.0	-41.25	1886.41	0.09	-2271.88	-13.14	1.716e+05
		7.787e+04	-13.14	9.60e-04	0.0	99.8	-41.25	-109.87	0.09	-2271.88	-4.22	7.787e+04
90	9	2.786e+05	-13.36	-0.03	-3320.94	0.0	-93.27	3104.79	0.17	-3913.40	-30.60	2.786e+05
		1.261e+05	-30.60	1.37e-03	0.0	99.8	-93.27	-216.15	0.17	-3913.40	-13.36	1.261e+05
90	11	2.787e+05	-17.17	-0.03	-3320.94	0.0	-91.52	3103.51	0.18	-3972.70	-34.96	2.787e+05
		1.263e+05	-34.96	1.45e-03	0.0	99.8	-91.52	-217.43	0.18	-3972.70	-17.17	1.263e+05
90	19	1.789e+05	7.93	-0.02	-1996.28	0.0	-38.64	1919.33	0.07	-2013.43	0.43	1.789e+05
		8.151e+04	0.43	9.80e-04	0.0	99.8	-38.64	-76.95	0.07	-2013.43	7.93	8.151e+04
90	21	1.790e+05	4.12	-0.02	-1996.28	0.0	-36.89	1918.05	0.08	-2072.74	-3.93	1.790e+05
		8.170e+04	-3.93	1.06e-03	0.0	99.8	-36.89	-78.23	0.08	-2072.74	4.12	8.170e+04
90	31	2.164e+05	537.63	-0.02	-2056.51	0.0	2058.33	1325.81	-2.74	-1914.00	537.63	2.164e+05
		1.626e+05	265.64	3.21e-03	0.0	99.8	2058.33	-730.70	-2.74	-1914.00	265.64	1.626e+05
90	34	1.438e+05	-270.46	-0.02	-2056.51	0.0	-2139.76	2553.74	2.92	-2737.50	-561.01	1.438e+05
		-2566.43	-561.01	-1.17e-03	0.0	99.8	-2139.76	497.23	2.92	-2737.50	-270.46	-2566.43
90	39	1.997e+05	1191.84	-0.01	-2056.51	0.0	3679.02	1701.47	-6.06	-8696.89	1191.84	1.997e+05
		1.177e+05	587.89	-2.53e-03	0.0	99.8	3679.02	-355.04	-6.06	-8696.89	587.89	1.177e+05
90	42	1.538e+05	-575.74	-0.02	-2056.51	0.0	-3765.85	2176.83	6.25	4263.67	-1198.21	1.538e+05
		4.220e+04	-1198.21	4.51e-03	0.0	99.8	-3765.85	120.32	6.25	4263.67	-575.74	4.220e+04
90	63	1.960e+05	286.25	-0.02	-2056.51	0.0	1114.25	1603.15	-1.46	-2188.28	286.25	1.960e+05
		1.253e+05	141.14	2.67e-03	0.0	99.8	1114.25	-453.36	-1.46	-2188.28	141.14	1.253e+05
90	66	1.594e+05	-153.77	-0.02	-2056.51	0.0	-1202.00	2276.99	1.65	-2559.66	-318.07	1.594e+05
		3.470e+04	-318.07	-6.71e-04	0.0	99.8	-1202.00	220.48	1.65	-2559.66	-153.77	3.470e+04
90	71	1.888e+05	641.89	-0.02	-2056.51	0.0	2013.57	1810.50	-3.29	-6064.66	641.89	1.888e+05
		1.009e+05	314.25	5.81e-04	0.0	99.8	2013.57	-246.01	-3.29	-6064.66	314.25	1.009e+05
90	74	1.642e+05	-326.88	-0.02	-2056.51	0.0	-2101.32	2069.64	3.48	1316.71	-673.70	1.642e+05
		5.913e+04	-673.70	1.42e-03	0.0	99.8	-2101.32	13.13	3.48	1316.71	-326.88	5.913e+04
90	87	1.762e+05	-5.23	-0.02	-2056.51	0.0	-44.38	1940.44	0.09	-2357.03	-14.66	1.762e+05
		7.995e+04	-14.66	9.78e-04	0.0	99.8	-44.38	-116.07	0.09	-2357.03	-5.23	7.995e+04
90	88	1.762e+05	-6.32	-0.02	-2056.51	0.0	-43.87	1940.07	0.10	-2373.97	-15.91	1.762e+05
		8.000e+04	-15.91	1.00e-03	0.0	99.8	-43.87	-116.44	0.10	-2373.97	-6.32	8.000e+04
90	89	1.762e+05	-5.23	-0.02	-2056.51	0.0	-44.38	1940.44	0.09	-2357.03	-14.66	1.762e+05

		7.995e+04	-14.66	9.78e-04	0.0	99.8	-44.38	-116.07	0.09	-2357.03	-5.23	1.762e+05
90	93	2.062e+05	-8.93	-0.02	-2448.01	0.0	-66.01	2292.57	0.12	-2866.43	-21.34	9.333e+04
		9.333e+04	-21.34	1.03e-03	0.0	99.8	-66.01	-155.44	0.12	-2866.43	-8.93	2.061e+05
90	95	2.062e+05	-11.47	-0.02	-2448.01	0.0	-64.84	2291.71	0.13	-2905.97	-24.24	9.346e+04
		9.346e+04	-24.24	1.09e-03	0.0	99.8	-64.84	-156.29	0.13	-2905.97	-11.47	2.061e+05
90	96	1.811e+05	2.87	-0.02	-2056.51	0.0	-42.64	1962.39	0.08	-2184.73	-5.61	8.238e+04
		8.238e+04	-5.61	9.91e-04	0.0	99.8	-42.64	-94.12	0.08	-2184.73	2.87	1.811e+05
90	98	1.811e+05	0.33	-0.02	-2056.51	0.0	-41.47	1961.53	0.09	-2224.27	-8.52	8.250e+04
		8.250e+04	-8.52	1.04e-03	0.0	99.8	-41.47	-94.98	0.09	-2224.27	0.33	1.811e+05
90	100	1.762e+05	-5.23	-0.02	-2056.51	0.0	-44.38	1940.44	0.09	-2357.03	-14.66	7.995e+04
		7.995e+04	-14.66	9.78e-04	0.0	99.8	-44.38	-116.07	0.09	-2357.03	-5.23	1.762e+05
90	101	1.762e+05	-7.04	-0.02	-2056.51	0.0	-43.54	1939.83	0.10	-2385.27	-16.74	8.004e+04
		8.004e+04	-16.74	1.02e-03	0.0	99.8	-43.54	-116.69	0.10	-2385.27	-7.04	1.762e+05
90	102	1.822e+05	-5.97	-0.02	-2134.81	0.0	-48.70	2010.86	0.10	-2458.91	-16.00	8.263e+04
		8.263e+04	-16.00	9.89e-04	0.0	99.8	-48.70	-123.95	0.10	-2458.91	-5.97	1.822e+05
90	104	1.822e+05	-7.06	-0.02	-2134.81	0.0	-48.20	2010.50	0.10	-2475.85	-17.24	8.268e+04
		8.268e+04	-17.24	1.01e-03	0.0	99.8	-48.20	-124.31	0.10	-2475.85	-7.06	1.822e+05
90	105	1.762e+05	-5.23	-0.02	-2056.51	0.0	-44.38	1940.44	0.09	-2357.03	-14.66	7.995e+04
		7.995e+04	-14.66	9.78e-04	0.0	99.8	-44.38	-116.07	0.09	-2357.03	-5.23	1.762e+05
90	106	1.762e+05	-6.32	-0.02	-2056.51	0.0	-43.87	1940.07	0.10	-2373.97	-15.91	8.000e+04
		8.000e+04	-15.91	1.00e-03	0.0	99.8	-43.87	-116.44	0.10	-2373.97	-6.32	1.762e+05
91	5	1.715e+05	21.46	-0.02	-1996.28	0.0	-246.59	1886.03	0.32	2664.81	-10.21	7.798e+04
		7.798e+04	-10.21	9.52e-04	0.0	99.8	-246.59	-110.25	0.32	2664.81	21.46	1.715e+05
91	11	2.784e+05	43.33	-0.03	-3320.94	0.0	-403.10	3103.87	0.54	4563.00	-10.52	1.263e+05
		1.263e+05	-10.52	1.44e-03	0.0	99.8	-403.10	-217.07	0.54	4563.00	43.33	2.782e+05
91	16	2.631e+05	22.98	-0.03	-3027.32	0.0	-363.99	2873.91	0.46	3803.61	-22.93	1.198e+05
		1.198e+05	-22.93	1.34e-03	0.0	99.8	-363.99	-153.40	0.46	3803.61	22.98	2.631e+05
91	24	2.145e+05	-363.86	-0.02	-2056.51	0.0	2183.81	1384.61	2.23	1126.27	-576.30	1.572e+05
		1.572e+05	-576.30	-3.92e-03	0.0	99.8	2183.81	-671.90	2.23	1126.27	-363.86	2.080e+05
91	33	1.455e+05	419.77	-0.03	-2056.51	0.0	-2430.28	2509.18	-1.21	4144.86	419.77	1511.44
		1511.44	75.11	-2.30e-03	0.0	99.8	-2430.28	452.67	-1.21	4144.86	75.11	1.455e+05
91	40	2.022e+05	-630.68	-0.02	-2056.51	0.0	3531.08	1709.25	3.21	8553.31	-943.53	1.187e+05
		1.187e+05	-943.53	1.21e-03	0.0	99.8	3531.08	-347.26	3.21	8553.31	-630.68	2.013e+05
91	41	1.507e+05	905.58	-0.02	-2056.51	0.0	-4042.08	2168.83	-2.59	-3323.03	905.58	4.136e+04
		4.136e+04	654.36	7.60e-04	0.0	99.8	-4042.08	112.32	-2.59	-3323.03	654.36	1.507e+05
91	48	1.972e+05	-582.37	-0.01	-2056.51	0.0	-1417.23	1829.35	3.88	3711.04	-963.50	1.111e+05
		1.111e+05	-963.50	-7.83e-03	0.0	99.8	-1417.23	-227.16	3.88	3711.04	-582.37	1.965e+05
91	49	1.555e+05	925.54	-0.03	-2056.51	0.0	906.23	2048.74	-3.26	1519.24	925.54	4.895e+04
		4.895e+04	606.05	9.80e-03	0.0	99.8	906.23	-7.78	-3.26	1519.24	606.05	1.555e+05
91	56	1.952e+05	-187.06	-0.02	-2056.51	0.0	1085.73	1635.35	1.38	1933.15	-319.44	1.224e+05
		1.224e+05	-319.44	-2.16e-03	0.0	99.8	1085.73	-421.16	1.38	1933.15	-187.06	1.927e+05
91	65	1.600e+05	228.44	-0.02	-2056.51	0.0	-1449.52	2252.09	-0.52	3526.63	228.44	3.701e+04
		3.701e+04	54.21	-3.91e-04	0.0	99.8	-1449.52	195.58	-0.52	3526.63	54.21	1.600e+05
91	72	1.901e+05	-329.27	-0.02	-2056.51	0.0	1830.60	1814.77	1.93	6156.54	-517.95	1.014e+05
		1.014e+05	-517.95	-3.93e-04	0.0	99.8	1830.60	-241.74	1.93	6156.54	-329.27	1.895e+05
91	73	1.626e+05	499.47	-0.02	-2056.51	0.0	-2347.07	2064.62	-1.26	-588.77	499.47	5.883e+04
		5.883e+04	377.80	2.38e-03	0.0	99.8	-2347.07	8.11	-1.26	-588.77	377.80	1.626e+05
91	80	1.873e+05	-301.49	-0.02	-2056.51	0.0	-863.42	1879.30	2.30	3481.51	-527.75	9.717e+04
		9.717e+04	-527.75	-5.37e-03	0.0	99.8	-863.42	-177.21	2.30	3481.51	-301.49	1.869e+05
91	81	1.652e+05	509.27	-0.02	-2056.51	0.0	346.96	2000.08	-1.63	2086.26	509.27	6.306e+04
		6.306e+04	350.02	7.35e-03	0.0	99.8	346.96	-56.43	-1.63	2086.26	350.02	1.652e+05
91	87	1.761e+05	22.79	-0.02	-2056.51	0.0	-253.59	1940.13	0.33	2756.89	-9.96	8.005e+04
		8.005e+04	-9.96	9.70e-04	0.0	99.8	-253.59	-116.38	0.33	2756.89	22.79	1.760e+05
91	88	1.761e+05	24.26	-0.02	-2056.51	0.0	-258.23	1939.69	0.34	2783.89	-9.24	8.012e+04
		8.012e+04	-9.24	9.92e-04	0.0	99.8	-258.23	-116.82	0.34	2783.89	24.26	1.760e+05
91	89	1.761e+05	22.79	-0.02	-2056.51	0.0	-253.59	1940.13	0.33	2756.89	-9.96	8.005e+04
		8.005e+04	-9.96	9.70e-04	0.0	99.8	-253.59	-116.38	0.33	2756.89	22.79	1.760e+05
91	95	2.060e+05	31.04	-0.02	-2448.01	0.0	-297.87	2291.87	0.40	3348.20	-8.51	9.351e+04
		9.351e+04	-8.51	1.07e-03	0.0	99.8	-297.87	-156.14	0.40	3348.20	31.04	2.059e+05
91	97	1.958e+05	17.47	-0.02	-2252.26	0.0	-271.80	2138.56	0.34	2841.94	-16.78	8.913e+04
		8.913e+04	-16.78	1.01e-03	0.0	99.8	-271.80	-113.70	0.34	2841.94	17.47	1.958e+05
91	100	1.761e+05	22.79	-0.02	-2056.51	0.0	-253.59	1940.13	0.33	2756.89	-9.96	8.005e+04
		8.005e+04	-9.96	9.70e-04	0.0	99.8	-253.59	-116.38	0.33	2756.89	22.79	1.760e+05
91	101	1.761e+05	25.25	-0.02	-2056.51	0.0	-261.33	1939.40	0.34	2801.88	-8.76	8.016e+04
		8.016e+04	-8.76	1.01e-03	0.0	99.8	-261.33	-117.11	0.34	2801.88	25.25	1.760e+05
91	102	1.821e+05	23.75	-0.02	-2134.81	0.0	-260.28	2010.68	0.34	2862.55	-10.01	8.272e+04
		8.272e+04	-10.01	9.80e-04	0.0	99.8	-260.28	-124.13	0.34	2862.55	23.75	1.820e+05
91	104	1.821e+05	25.22	-0.02	-2134.81	0.0	-264.92	2010.24	0.35	2889.55	-9.29	8.278e+04
		8.278e+04	-9.29	1.00e-03	0.0	99.8	-264.92	-124.57	0.35	2889.55	25.22	1.820e+05
91	105	1.761e+05	22.79	-0.02	-2056.51	0.0	-253.59	1940.13	0.33	2756.89	-9.96	8.005e+04
		8.005e+04	-9.96	9.70e-04	0.0	99.8	-253.59	-116.38	0.33	2756.89	22.79	1.760e+05
91	106	1.761e+05	24.26	-0.02	-2056.51	0.0	-258.23	1939.69	0.34	2783.89	-9.24	8.012e+04
		8.012e+04	-9.24	9.92e-04	0.0	99.8	-258.23	-116.82	0.34	2783.89	24.26	1.760e+05
92	5	7.166e+04	36.99	-0.04	-2359.32	0.0	-241.40	3955.52	-0.40	4405.74	36.99	-2.740e+05
		-2.740e+05	-10.23	1.13e-03	0.0	118.0	-241.40	1596.20	-0.40	4405.74	-10.23	7.166e+04
92	9	1.160e+05	48.33	-0.06	-3924.88	0.0	-380.96	6485.57	-0.52	8348.77	48.33	-4.465e+05
		-4.465e+05	-13.07	1.61e-03	0.0	118.0	-380.96	2560.69	-0.52	8348.77	-13.07	1.160e+05
92	11	1.163e+05	47.15	-0.06	-3924.88	0.0	-395.83	6484.23	-0.49	8445.94	47.15	-4.460e+05
		-4.460e+05	-10.55	1.70e-03	0.0	118.0	-395.83	2559.35	-0.49	8445.94	-10.55	1.163e+05
92	16	1.099e+05	65.98	-0.06	-3577.86	0.0	-359.12	6039.69	-0.75	5996.58	65.98	-4.198e+05

		-4.198e+05	-22.95	1.59e-03	0.0	118.0	-359.12	2461.83	-0.75	5996.58	-22.95	1.099e+05
92	32	2.024e+05	-241.59	-0.06	-2430.51	0.0	1948.30	3293.54	3.45	1.140e+04	-241.59	-6.470e+04
		-6.470e+04	-444.64	4.89e-03	0.0	118.0	1948.30	863.03	3.45	1.140e+04	-444.64	2.024e+05
92	33	-5.526e+04	419.69	-0.02	-2430.51	0.0	-2460.95	4839.44	-4.37	-2191.37	419.69	-4.980e+05
		-4.980e+05	325.68	-2.48e-03	0.0	118.0	-2460.95	2408.94	-4.37	-2191.37	325.68	-4.980e+05
92	40	1.386e+05	-196.60	-0.05	-2430.51	0.0	3268.05	3681.15	6.63	1.426e+04	-196.60	-1.784e+05
		-1.784e+05	-943.45	7.35e-04	0.0	118.0	3268.05	1250.64	6.63	1.426e+04	-943.45	1.386e+05
92	41	8470.51	905.46	-0.03	-2430.51	0.0	-3771.39	4450.12	-7.84	-5298.49	905.46	8470.51
		-3.844e+05	301.77	1.61e-03	0.0	118.0	-3771.39	2019.61	-7.84	-5298.49	301.77	-3.844e+05
92	48	1.196e+05	-353.52	-0.05	-2430.51	0.0	-1521.22	3993.41	-4.51	8188.55	-353.52	-1.994e+05
		-1.994e+05	-963.45	-8.71e-03	0.0	118.0	-1521.22	1562.90	-4.51	8188.55	-963.45	1.196e+05
92	49	2.744e+04	925.46	-0.04	-2430.51	0.0	1017.87	4137.86	3.30	776.68	925.46	2.744e+04
		-3.634e+05	458.69	0.01	0.0	118.0	1017.87	1707.35	3.30	776.68	458.69	-3.634e+05
92	64	1.446e+05	-123.37	-0.05	-2430.51	0.0	957.42	3644.43	1.78	8417.03	-123.37	-1.622e+05
		-1.622e+05	-246.90	2.68e-03	0.0	118.0	957.42	1213.92	1.78	8417.03	-246.90	1.622e+05
92	65	2728.09	228.38	-0.03	-2430.51	0.0	-1462.61	4488.58	-2.56	903.02	2728.09	-2.56
		-4.004e+05	196.50	-3.26e-04	0.0	118.0	-1462.61	2058.07	-2.56	903.02	196.50	-4.004e+05
92	72	1.097e+05	-115.04	-0.04	-2430.51	0.0	1684.28	3860.31	3.69	1.014e+04	-115.04	-2.246e+05
		-2.246e+05	-517.88	-8.45e-04	0.0	118.0	1684.28	1429.80	3.69	1.014e+04	-517.88	1.097e+05
92	73	3.760e+04	499.36	-0.04	-2430.51	0.0	-2189.47	4272.70	-4.46	-816.29	499.36	-3.380e+05
		-3.380e+05	188.17	3.20e-03	0.0	118.0	-2189.47	1842.20	-4.46	-816.29	188.17	-3.380e+05
92	80	9.924e+04	-201.80	-0.04	-2430.51	0.0	-930.04	4026.43	-2.38	6777.41	-201.80	-2.361e+05
		-2.361e+05	-527.70	-6.04e-03	0.0	118.0	-930.04	1595.92	-2.38	6777.41	-527.70	9.924e+04
92	81	4.807e+04	509.18	-0.04	-2430.51	0.0	424.84	4106.58	1.60	2542.64	509.18	-3.264e+05
		-3.264e+05	274.94	8.40e-03	0.0	118.0	424.84	1676.08	1.60	2542.64	274.94	-3.264e+05
92	87	7.358e+04	36.90	-0.04	-2430.51	0.0	-248.35	4066.89	-0.40	4632.26	36.90	-2.814e+05
		-2.814e+05	-9.98	1.15e-03	0.0	118.0	-248.35	1636.38	-0.40	4632.26	-9.98	7.358e+04
92	88	7.366e+04	36.57	-0.04	-2430.51	0.0	-252.60	4066.50	-0.39	4660.02	36.57	-2.813e+05
		-2.813e+05	-9.26	1.18e-03	0.0	118.0	-252.60	1636.00	-0.39	4660.02	-9.26	7.366e+04
92	89	7.358e+04	36.90	-0.04	-2430.51	0.0	-248.35	4066.89	-0.40	4632.26	36.90	-2.814e+05
		-2.814e+05	-9.98	1.15e-03	0.0	118.0	-248.35	1636.38	-0.40	4632.26	-9.98	7.358e+04
92	93	8.588e+04	37.20	-0.05	-2893.20	0.0	-282.46	4791.72	-0.40	6032.47	37.20	-3.302e+05
		-3.302e+05	-10.21	1.21e-03	0.0	118.0	-282.46	1898.53	-0.40	6032.47	-10.21	8.588e+04
92	95	8.605e+04	36.41	-0.05	-2893.20	0.0	-292.37	4790.83	-0.38	6097.25	36.41	-3.299e+05
		-3.299e+05	-8.53	1.28e-03	0.0	118.0	-292.37	1897.64	-0.38	6097.25	-8.53	8.605e+04
92	97	8.181e+04	48.97	-0.04	-2661.85	0.0	-267.90	4494.47	-0.56	4464.34	48.97	-3.124e+05
		-3.124e+05	-16.80	1.20e-03	0.0	118.0	-267.90	1832.62	-0.56	4464.34	-16.80	8.181e+04
92	100	7.358e+04	36.90	-0.04	-2430.51	0.0	-248.35	4066.89	-0.40	4632.26	36.90	-2.814e+05
		-2.814e+05	-9.98	1.15e-03	0.0	118.0	-248.35	1636.38	-0.40	4632.26	-9.98	7.358e+04
92	102	7.604e+04	36.96	-0.04	-2523.04	0.0	-255.17	4211.85	-0.40	4912.30	36.96	-2.912e+05
		-2.912e+05	-10.03	1.16e-03	0.0	118.0	-255.17	1688.81	-0.40	4912.30	-10.03	7.604e+04
92	104	7.612e+04	36.63	-0.04	-2523.04	0.0	-259.42	4211.47	-0.39	4940.07	36.63	-2.910e+05
		-2.910e+05	-9.31	1.19e-03	0.0	118.0	-259.42	1688.43	-0.39	4940.07	-9.31	7.612e+04
92	105	7.358e+04	36.90	-0.04	-2430.51	0.0	-248.35	4066.89	-0.40	4632.26	36.90	-2.814e+05
		-2.814e+05	-9.98	1.15e-03	0.0	118.0	-248.35	1636.38	-0.40	4632.26	-9.98	7.358e+04
92	106	7.366e+04	36.57	-0.04	-2430.51	0.0	-252.60	4066.50	-0.39	4660.02	36.57	-2.813e+05
		-2.813e+05	-9.26	1.18e-03	0.0	118.0	-252.60	1636.00	-0.39	4660.02	-9.26	7.366e+04
93	3	3.357e+04	-2253.55	-7.86e-03	-2027.65	0.0	2091.36	1192.47	55.56	-3392.07	-7002.28	-8432.42
		-8432.42	-7002.28	1.36e-03	0.0	120.0	2091.36	-835.17	55.56	-3392.07	-2253.55	1.301e+04
93	4	3.410e+04	-3179.76	-8.06e-03	-2027.65	0.0	2100.61	1193.13	50.09	-3317.13	-7514.79	-7939.27
		-7939.27	-7514.79	1.41e-03	0.0	120.0	2100.61	-834.52	50.09	-3317.13	-3179.76	1.358e+04
93	5	2.354e+04	-1692.96	-5.26e-03	-1442.80	0.0	1379.36	838.42	40.16	-2908.66	-5198.10	-5667.38
		-5667.38	-5198.10	8.80e-04	0.0	120.0	1379.36	-604.37	40.16	-2908.66	-1692.96	8375.58
93	7	2.583e+04	-1368.40	-6.04e-03	-1571.18	0.0	1627.52	924.75	45.17	-2609.82	-5200.59	-6763.24
		-6763.24	-5200.59	1.05e-03	0.0	120.0	1627.52	-646.43	45.17	-2609.82	-1368.40	9936.16
93	11	3.395e+04	-4203.34	-8.03e-03	-1989.13	0.0	2035.42	1167.88	43.12	-3331.83	-8026.56	-7117.37
		-7117.37	-8026.56	1.42e-03	0.0	120.0	2035.42	-821.25	43.12	-3331.83	-4203.34	1.368e+04
93	31	1.449e+04	-3791.67	-0.01	-1478.75	0.0	1494.03	859.01	61.92	-1.189e+04	-9521.81	-9606.59
		-9606.59	-9521.81	1.50e-03	0.0	120.0	1494.03	-619.73	61.92	-1.189e+04	-3791.67	-5785.57
93	42	5.104e+04	2154.01	0.02	-1478.75	0.0	184.38	422.53	53.10	840.84	2154.01	2.533e+04
		2.132e+04	-2761.04	-1.49e-03	0.0	120.0	184.38	-1056.22	53.10	840.84	-2761.04	3.132e+04
93	48	6.953e+04	255.43	0.07	-1478.75	0.0	-544.17	145.28	23.46	-4517.02	255.43	1.136e+04
		1.136e+04	-5361.32	-3.44e-03	0.0	120.0	-544.17	-1333.47	23.46	-4517.02	-5361.32	6.632e+04
93	49	-2182.78	-3853.58	-0.08	-1478.75	0.0	3161.19	1501.50	58.53	-1575.88	-5537.22	-7.781e+04
		-7.781e+04	-5537.22	5.55e-03	0.0	120.0	3161.19	22.75	58.53	-1575.88	-3853.58	-2686.24
93	63	1.954e+04	-2949.82	-0.01	-1478.75	0.0	1467.93	864.47	51.22	-7659.79	-7517.85	-7514.17
		-7514.17	-7517.85	1.45e-03	0.0	120.0	1467.93	-614.27	51.22	-7659.79	-2949.82	1760.43
93	74	3.865e+04	585.10	0.01	-1478.75	0.0	933.89	651.79	50.22	-998.92	585.10	1.522e+04
		1.522e+04	-4098.54	-1.38e-03	0.0	120.0	933.89	-826.95	50.22	-998.92	-4098.54	1.772e+04
93	80	4.559e+04	-432.47	0.04	-1478.75	0.0	528.73	499.63	32.40	-3725.63	-432.47	1.227e+04
		1.227e+04	-5473.10	-2.44e-03	0.0	120.0	528.73	-979.12	32.40	-3725.63	-5473.10	3.231e+04
93	81	9813.64	-3151.68	-0.05	-1478.75	0.0	2372.77	1225.83	48.48	-1893.59	-5134.75	-4.406e+04
		-4.406e+04	-5134.75	4.29e-03	0.0	120.0	2372.77	-252.91	48.48	-1893.59	-3151.68	5589.18
93	87	2.383e+04	-1856.99	-5.36e-03	-1453.07	0.0	1401.12	845.46	39.44	-2869.38	-5303.43	-5653.89
		-5653.89	-5303.43	9.03e-04	0.0	120.0	1401.12	-607.60	39.44	-2869.38	-1856.99	8617.66
93	88	2.429e+04	-1792.07	-5.52e-03	-1478.75	0.0	1450.75	862.73	40.44	-2809.61	-5303.92	-5873.06
		-5873.06	-5303.92	9.35e-04	0.0	120.0	1450.75	-616.02	40.44	-2809.61	-1792.07	8929.78
93	89	2.383e+04	-1856.99	-5.36e-03	-1453.07	0.0	1401.12	845.46	39.44	-2869.38	-5303.43	-5653.89
		-5653.89	-5303.43	9.03e-04	0.0	120.0	1401.12	-607.60	39.44	-2869.38	-1856.99	8617.66
93	91	2.536e+04	-1640.61	-5.89e-03	-1538.66	0.0	1566.55	903.02	42.78	-2670.15	-5305.09	-6384.46

		-6384.46	-5305.09	1.01e-03	0.0	120.0	1566.55	-635.64	42.78	-2670.15	-1640.61	9658.05
93	92	2.572e+04	-2258.09	-6.02e-03	-1538.66	0.0	1572.72	903.45	39.13	-2620.19	-5646.76	-6055.69
		-6055.69	-5646.76	1.04e-03	0.0	120.0	1572.72	-635.21	39.13	-2620.19	-2258.09	1.004e+04
93	95	2.562e+04	-2940.48	-6.00e-03	-1512.98	0.0	1529.26	886.62	34.49	-2629.99	-5987.94	-5507.76
		-5507.76	-5987.94	1.05e-03	0.0	120.0	1529.26	-626.36	34.49	-2629.99	-2940.48	1.011e+04
93	100	2.383e+04	-1856.99	-5.36e-03	-1453.07	0.0	1401.12	845.46	39.44	-2869.38	-5303.43	-5653.89
		-5653.89	-5303.43	9.03e-04	0.0	120.0	1401.12	-607.60	39.44	-2869.38	-1856.99	8617.66
93	101	2.459e+04	-1748.80	-5.63e-03	-1495.86	0.0	1483.83	874.24	41.11	-2769.76	-5304.26	-6019.18
		-6019.18	-5304.26	9.56e-04	0.0	120.0	1483.83	-621.62	41.11	-2769.76	-1748.80	9137.86
93	104	2.443e+04	-2039.06	-5.57e-03	-1478.75	0.0	1453.21	862.90	38.98	-2789.62	-5440.60	-5741.56
		-5741.56	-5440.60	9.48e-04	0.0	120.0	1453.21	-615.84	38.98	-2789.62	-2039.06	9082.19
93	105	2.383e+04	-1856.99	-5.36e-03	-1453.07	0.0	1401.12	845.46	39.44	-2869.38	-5303.43	-5653.89
		-5653.89	-5303.43	9.03e-04	0.0	120.0	1401.12	-607.60	39.44	-2869.38	-1856.99	8617.66
93	106	2.429e+04	-1792.07	-5.52e-03	-1478.75	0.0	1450.75	862.73	40.44	-2809.61	-5303.92	-5873.06
		-5873.06	-5303.92	9.35e-04	0.0	120.0	1450.75	-616.02	40.44	-2809.61	-1792.07	8929.78
94	3	2.496e+04	-2571.07	-3.91e-03	-996.09	0.0	518.18	435.64	-90.41	-2125.21	-2571.07	1.353e+04
		6042.03	-1.240e+04	1.24e-03	0.0	120.0	518.18	-560.45	-90.41	-2125.21	-1.240e+04	6042.03
94	4	2.547e+04	-2741.79	-4.00e-03	-996.09	0.0	509.78	427.36	-92.38	-2056.59	-2741.79	1.447e+04
		5986.87	-1.285e+04	1.30e-03	0.0	120.0	509.78	-568.73	-92.38	-2056.59	-1.285e+04	5986.87
94	5	1.685e+04	-1569.34	-2.55e-03	-649.30	0.0	258.82	274.70	-66.13	-594.43	-1569.34	9888.12
		3894.03	-8843.52	9.06e-04	0.0	120.0	258.82	-374.60	-66.13	-594.43	-8843.52	3894.03
94	11	2.526e+04	-2798.40	-3.95e-03	-957.58	0.0	454.32	398.20	-93.46	-1637.09	-2798.40	1.535e+04
		5676.86	-1.312e+04	1.35e-03	0.0	120.0	454.32	-559.38	-93.46	-1637.09	-1.312e+04	5676.86
94	12	1.790e+04	-1910.78	-2.73e-03	-649.30	0.0	242.00	258.14	-70.07	-457.19	-1910.78	1.176e+04
		3783.72	-9738.03	1.03e-03	0.0	120.0	242.00	-391.16	-70.07	-457.19	-9738.03	3783.72
94	20	1.758e+04	-1786.95	-2.66e-03	-649.30	0.0	227.22	263.62	-68.41	-497.85	-1786.95	1.119e+04
		3871.24	-9376.75	9.85e-04	0.0	120.0	227.22	-385.67	-68.41	-497.85	-9376.75	3871.24
94	39	4.195e+04	400.15	-0.03	-685.24	0.0	4137.88	1191.88	-216.25	6982.63	400.15	-6.043e+04
		-6.043e+04	-2.972e+04	5.32e-03	0.0	120.0	4137.88	506.63	-216.25	6982.63	-2.972e+04	4.195e+04
94	42	7.961e+04	9672.61	0.03	-685.24	0.0	-3663.87	-650.97	67.79	-8615.31	-3372.89	7.961e+04
		-4.008e+04	-3372.89	-3.72e-03	0.0	120.0	-3663.87	-1336.21	67.79	-8615.31	9672.61	-4.008e+04
94	43	4.213e+04	353.18	-0.03	-685.24	0.0	4170.42	1196.24	-217.19	7003.47	353.18	-6.072e+04
		-6.072e+04	-2.953e+04	5.35e-03	0.0	120.0	4170.42	510.99	-217.19	7003.47	-2.953e+04	4.213e+04
94	46	7.991e+04	9475.77	0.03	-685.24	0.0	-3696.41	-655.33	68.73	-8636.15	-3325.93	7.991e+04
		-4.026e+04	-3325.93	-3.74e-03	0.0	120.0	-3696.41	-1340.57	68.73	-8636.15	9475.77	-4.026e+04
94	69	1.376e+04	3676.70	-9.77e-03	-685.24	0.0	648.21	371.85	-99.41	3928.49	3676.70	1871.03
		1871.03	-6175.92	3.10e-03	0.0	120.0	648.21	-313.40	-99.41	3928.49	-6175.92	5026.66
94	71	2.687e+04	-1342.46	-0.02	-685.24	0.0	2377.41	806.33	-121.59	3574.82	-1342.46	-2.903e+04
		-2.903e+04	-1.675e+04	5.18e-03	0.0	120.0	2377.41	121.09	-121.59	3574.82	-1.675e+04	2.687e+04
94	75	2.696e+04	-1634.65	-0.02	-685.24	0.0	2395.21	808.63	-122.10	3592.19	-1634.65	-2.918e+04
		-2.918e+04	-1.665e+04	5.19e-03	0.0	120.0	2395.21	123.38	-122.10	3592.19	-1.665e+04	2.696e+04
94	78	4.945e+04	-1550.31	0.02	-685.24	0.0	-1793.20	-223.63	-12.64	-5407.89	-2053.08	4.945e+04
		-1.872e+04	-2053.08	-3.34e-03	0.0	120.0	-1793.20	-908.88	-12.64	-5407.89	-1550.31	-1.872e+04
94	87	1.715e+04	-1634.79	-2.60e-03	-659.57	0.0	269.64	278.57	-66.77	-673.93	-1634.79	1.010e+04
		3950.68	-8982.18	9.20e-04	0.0	120.0	269.64	-381.00	-66.77	-673.93	-8982.18	3950.68
94	88	1.762e+04	-1710.87	-2.70e-03	-685.24	0.0	301.00	292.50	-67.37	-907.85	-1710.87	1.014e+04
		4120.58	-9099.46	9.25e-04	0.0	120.0	301.00	-392.75	-67.37	-907.85	-9099.46	4120.58
94	89	1.715e+04	-1634.79	-2.60e-03	-659.57	0.0	269.64	278.57	-66.77	-673.93	-1634.79	1.010e+04
		3950.68	-8982.18	9.20e-04	0.0	120.0	269.64	-381.00	-66.77	-673.93	-8982.18	3950.68
94	91	1.873e+04	-1888.39	-2.92e-03	-745.16	0.0	374.19	324.99	-68.75	-1453.67	-1888.39	1.023e+04
		4517.01	-9373.13	9.37e-04	0.0	120.0	374.19	-420.17	-68.75	-1453.67	-9373.13	4517.01
94	92	1.907e+04	-2002.20	-2.98e-03	-745.16	0.0	368.59	319.47	-70.06	-1407.92	-2002.20	1.085e+04
		4480.24	-9671.30	9.78e-04	0.0	120.0	368.59	-425.69	-70.06	-1407.92	-9671.30	4480.24
94	93	1.782e+04	-1862.42	-2.72e-03	-659.57	0.0	258.43	267.53	-69.40	-582.43	-1862.42	1.135e+04
		3877.14	-9578.52	1.00e-03	0.0	120.0	258.43	-392.04	-69.40	-582.43	-9578.52	3877.14
94	95	1.893e+04	-2039.93	-2.94e-03	-719.48	0.0	331.62	300.03	-70.78	-1128.25	-2039.93	1.144e+04
		4273.57	-9852.19	1.01e-03	0.0	120.0	331.62	-419.45	-70.78	-1128.25	-9852.19	4273.57
94	97	1.763e+04	-1779.87	-2.68e-03	-659.57	0.0	248.58	271.19	-68.29	-609.54	-1779.87	1.097e+04
		3935.49	-9337.66	9.73e-04	0.0	120.0	248.58	-388.38	-68.29	-609.54	-9337.66	3935.49
94	100	1.715e+04	-1634.79	-2.60e-03	-659.57	0.0	269.64	278.57	-66.77	-673.93	-1634.79	1.010e+04
		3950.68	-8982.18	9.20e-04	0.0	120.0	269.64	-381.00	-66.77	-673.93	-8982.18	3950.68
94	101	1.794e+04	-1761.59	-2.76e-03	-702.36	0.0	321.91	301.78	-67.76	-1063.80	-1761.59	1.016e+04
		4233.85	-9177.65	9.29e-04	0.0	120.0	321.91	-400.58	-67.76	-1063.80	-9177.65	4233.85
94	102	1.728e+04	-1680.31	-2.63e-03	-659.57	0.0	267.40	276.36	-67.30	-655.63	-1680.31	1.035e+04
		3935.97	-9101.45	9.36e-04	0.0	120.0	267.40	-383.20	-67.30	-655.63	-9101.45	3935.97
94	104	1.776e+04	-1756.39	-2.72e-03	-685.24	0.0	298.76	290.29	-67.89	-889.55	-1756.39	1.039e+04
		4105.87	-9218.73	9.42e-04	0.0	120.0	298.76	-394.96	-67.89	-889.55	-9218.73	4105.87
94	105	1.715e+04	-1634.79	-2.60e-03	-659.57	0.0	269.64	278.57	-66.77	-673.93	-1634.79	1.010e+04
		3950.68	-8982.18	9.20e-04	0.0	120.0	269.64	-381.00	-66.77	-673.93	-8982.18	3950.68
94	106	1.762e+04	-1710.87	-2.70e-03	-685.24	0.0	301.00	292.50	-67.37	-907.85	-1710.87	1.014e+04
		4120.58	-9099.46	9.25e-04	0.0	120.0	301.00	-392.75	-67.37	-907.85	-9099.46	4120.58
95	5	1.970e+05	299.32	-0.02	-2149.38	0.0	-159.90	1594.58	-1.80	1947.48	299.32	1.293e+05
		1.293e+05	105.44	9.69e-04	0.0	107.5	-159.90	-554.81	-1.80	1947.48	105.44	1.907e+05
95	7	1.968e+05	308.34	-0.02	-2149.38	0.0	-164.91	1600.27	-1.79	2215.05	308.34	1.285e+05
		1.285e+05	115.40	1.09e-03	0.0	107.5	-164.91	-549.11	-1.79	2215.05	115.40	1.906e+05
95	9	3.213e+05	470.06	-0.03	-3575.63	0.0	-270.39	2639.35	-2.68	1670.71	470.06	2.107e+05
		2.107e+05	182.23	1.36e-03	0.0	107.5	-270.39	-936.28	-2.68	1670.71	182.23	3.102e+05
95	11	3.212e+05	476.38	-0.03	-3575.63	0.0	-273.90	2643.34	-2.67	1858.01	476.38	2.101e+05
		2.101e+05	189.21	1.44e-03	0.0	107.5	-273.90	-932.30	-2.67	1858.01	189.21	3.102e+05
95	18	3.014e+05	481.15	-0.03	-3259.49	0.0	-249.60	2431.05	-2.89	3423.84	481.15	1.975e+05

		1.975e+05	170.80	1.43e-03	0.0	107.5	-249.60	-828.44	-2.89	3423.84	170.80	2.923e+05
95	19	2.037e+05	336.17	-0.02	-2149.38	0.0	-160.52	1611.01	-2.15	3145.05	336.17	1.340e+05
		1.340e+05	104.57	9.90e-04	0.0	107.5	-160.52	-538.37	-2.15	3145.05	104.57	1.980e+05
95	36	2.561e+05	314.20	-0.01	-2214.23	0.0	353.17	1064.84	21.91	3338.40	-2036.47	2.175e+05
		2.175e+05	-2036.47	2.34e-03	0.0	107.5	353.17	-1149.39	21.91	3338.40	314.20	2.341e+05
95	37	1.577e+05	2651.91	-0.03	-2214.23	0.0	-684.02	2223.05	-25.55	211.61	2651.91	4.782e+04
		4.782e+04	-89.50	-2.72e-04	0.0	107.5	-684.02	8.82	-25.55	211.61	-89.50	1.576e+05
95	48	2.343e+05	84.35	-0.02	-2214.23	0.0	966.42	1413.62	24.84	-3935.50	-2561.85	1.769e+05
		1.769e+05	-2561.85	-5.18e-03	0.0	107.5	966.42	-800.61	24.84	-3935.50	84.35	2.232e+05
95	49	1.717e+05	3178.70	-0.02	-2214.23	0.0	-1297.31	1876.71	-28.50	6772.23	3178.70	8.866e+04
		8.866e+04	138.81	7.18e-03	0.0	107.5	-1297.31	-337.53	-28.50	6772.23	138.81	1.685e+05
95	68	2.296e+05	221.19	-0.02	-2214.23	0.0	119.06	1323.53	11.13	2666.51	-972.90	1.792e+05
		1.792e+05	-972.90	1.25e-03	0.0	107.5	119.06	-890.70	11.13	2666.51	221.19	2.152e+05
95	69	1.781e+05	1589.74	-0.02	-2214.23	0.0	-451.89	1962.65	-14.79	1227.20	1589.74	8.606e+04
		8.606e+04	2.46	7.64e-04	0.0	107.5	-451.89	-251.59	-14.79	1227.20	2.46	1.764e+05
95	80	2.193e+05	92.02	-0.02	-2214.23	0.0	457.54	1509.73	12.56	-1400.27	-1245.60	1.575e+05
		1.575e+05	-1245.60	-4.01e-03	0.0	107.5	457.54	-704.50	12.56	-1400.27	92.02	2.101e+05
95	81	1.858e+05	1862.44	-0.02	-2214.23	0.0	-790.37	1776.44	-16.21	5293.98	1862.44	1.077e+05
		1.077e+05	131.63	6.03e-03	0.0	107.5	-790.37	-437.79	-16.21	5293.98	131.63	1.816e+05
95	87	2.024e+05	306.62	-0.02	-2214.23	0.0	-165.41	1641.95	-1.83	1893.34	306.62	1.328e+05
		1.328e+05	109.83	9.85e-04	0.0	107.5	-165.41	-572.28	-1.83	1893.34	109.83	1.958e+05
95	88	2.023e+05	308.42	-0.02	-2214.23	0.0	-166.42	1643.09	-1.83	1946.86	308.42	1.326e+05
		1.326e+05	111.83	1.01e-03	0.0	107.5	-166.42	-571.14	-1.83	1946.86	111.83	1.958e+05
95	89	2.024e+05	306.62	-0.02	-2214.23	0.0	-165.41	1641.95	-1.83	1893.34	306.62	1.328e+05
		1.328e+05	109.83	9.85e-04	0.0	107.5	-165.41	-572.28	-1.83	1893.34	109.83	1.958e+05
95	91	2.022e+05	312.64	-0.02	-2214.23	0.0	-168.76	1645.75	-1.82	2071.73	312.64	1.322e+05
		1.322e+05	116.48	1.07e-03	0.0	107.5	-168.76	-568.49	-1.82	2071.73	116.48	1.958e+05
95	93	2.376e+05	349.39	-0.02	-2635.75	0.0	-198.64	1946.91	-2.01	1402.34	349.39	1.558e+05
		1.558e+05	133.21	1.03e-03	0.0	107.5	-198.64	-688.84	-2.01	1402.34	133.21	2.294e+05
95	95	2.375e+05	353.60	-0.02	-2635.75	0.0	-200.98	1949.57	-2.01	1527.21	353.60	1.554e+05
		1.554e+05	137.85	1.08e-03	0.0	107.5	-200.98	-686.18	-2.01	1527.21	137.85	2.294e+05
95	96	2.068e+05	331.19	-0.02	-2214.23	0.0	-165.83	1652.90	-2.06	2691.72	331.19	1.359e+05
		1.359e+05	109.25	9.99e-04	0.0	107.5	-165.83	-561.33	-2.06	2691.72	109.25	2.007e+05
95	99	2.243e+05	356.78	-0.02	-2424.99	0.0	-184.78	1808.04	-2.15	2571.09	356.78	1.471e+05
		1.471e+05	125.58	1.08e-03	0.0	107.5	-184.78	-616.95	-2.15	2571.09	125.58	2.175e+05
95	100	2.024e+05	306.62	-0.02	-2214.23	0.0	-165.41	1641.95	-1.83	1893.34	306.62	1.328e+05
		1.328e+05	109.83	9.85e-04	0.0	107.5	-165.41	-572.28	-1.83	1893.34	109.83	1.958e+05
95	101	2.023e+05	309.63	-0.02	-2214.23	0.0	-167.08	1643.85	-1.83	1982.54	309.63	1.325e+05
		1.325e+05	113.16	1.03e-03	0.0	107.5	-167.08	-570.38	-1.83	1982.54	113.16	1.958e+05
95	102	2.094e+05	315.17	-0.02	-2298.54	0.0	-172.06	1702.94	-1.87	1795.14	315.17	1.374e+05
		1.374e+05	114.51	9.93e-04	0.0	107.5	-172.06	-595.59	-1.87	1795.14	114.51	2.025e+05
95	104	2.094e+05	316.98	-0.02	-2298.54	0.0	-173.06	1704.08	-1.86	1848.66	316.98	1.372e+05
		1.372e+05	116.50	1.02e-03	0.0	107.5	-173.06	-594.46	-1.86	1848.66	116.50	2.025e+05
95	105	2.024e+05	306.62	-0.02	-2214.23	0.0	-165.41	1641.95	-1.83	1893.34	306.62	1.328e+05
		1.328e+05	109.83	9.85e-04	0.0	107.5	-165.41	-572.28	-1.83	1893.34	109.83	1.958e+05
95	106	2.023e+05	308.42	-0.02	-2214.23	0.0	-166.42	1643.09	-1.83	1946.86	308.42	1.326e+05
		1.326e+05	111.83	1.01e-03	0.0	107.5	-166.42	-571.14	-1.83	1946.86	111.83	1.958e+05
96	9	8.905e+04	116.88	2.67e-03	-3480.34	0.0	-181.48	721.01	-1.84	-381.71	116.88	8.277e+04
		-3.171e+04	-75.68	1.17e-03	0.0	104.6	-181.48	-2759.33	-1.84	-381.71	-75.68	-3.171e+04
96	11	8.751e+04	124.65	2.76e-03	-3480.34	0.0	-184.40	733.75	-1.90	-336.60	124.65	8.098e+04
		-3.211e+04	-73.95	1.23e-03	0.0	104.6	-184.40	-2746.59	-1.90	-336.60	-73.95	-3.211e+04
96	16	8.352e+04	105.95	2.52e-03	-3172.62	0.0	-167.61	624.41	-1.82	-660.62	105.95	7.846e+04
		-2.943e+04	-84.94	1.15e-03	0.0	104.6	-167.61	-2548.21	-1.82	-660.62	-84.94	-2.943e+04
96	19	5.630e+04	71.15	1.75e-03	-2092.10	0.0	-114.87	392.44	-1.29	-630.63	71.15	5.336e+04
		-1.986e+04	-63.90	8.37e-04	0.0	104.6	-114.87	-1699.66	-1.29	-630.63	-63.90	-1.986e+04
96	35	3.191e+04	233.06	8.93e-03	-2155.22	0.0	871.80	166.09	2.71	-4447.80	233.06	3.154e+04
		-6.821e+04	21.90	5.31e-03	0.0	104.6	871.80	-1989.13	2.71	-4447.80	21.90	6.821e+04
96	44	6.886e+04	-205.31	1.55e-03	-2155.22	0.0	2453.85	267.61	-8.05	9450.56	-205.31	6.762e+04
		-2.117e+04	-551.53	0.02	0.0	104.6	2453.85	-1887.61	-8.05	9450.56	-551.53	-2.117e+04
96	45	4.280e+04	449.67	2.07e-03	-2155.22	0.0	-2694.17	607.19	5.59	-1.023e+04	449.67	3.538e+04
		-1.950e+04	361.66	-0.02	0.0	104.6	-2694.17	-1548.03	5.59	-1.023e+04	361.66	1.950e+04
96	51	2.302e+04	523.80	7.83e-03	-2155.22	0.0	-729.40	455.79	5.96	-4007.30	523.80	1.892e+04
		-5.081e+04	150.63	6.36e-03	0.0	104.6	-729.40	-1699.43	5.96	-4007.30	150.63	-5.081e+04
96	54	8.740e+04	5.72	-4.87e-03	-2155.22	0.0	489.08	419.00	-8.43	3229.97	5.72	8.409e+04
		1.014e+04	-625.66	-4.67e-03	0.0	104.6	489.08	-1736.22	-8.43	3229.97	-625.66	1.014e+04
96	67	4.143e+04	102.21	5.66e-03	-2155.22	0.0	425.02	290.05	0.80	-2568.99	102.21	3.997e+04
		-4.707e+04	54.72	3.77e-03	0.0	104.6	425.02	-1865.17	0.80	-2568.99	54.72	-4.707e+04
96	76	6.393e+04	-98.09	1.32e-03	-2155.22	0.0	1308.49	341.40	-4.66	4893.64	-98.09	6.177e+04
		-1.961e+04	-321.70	8.65e-03	0.0	104.6	1308.49	-1813.82	-4.66	4893.64	-321.70	-1.961e+04
96	77	4.654e+04	257.44	2.32e-03	-2155.22	0.0	-1550.18	535.74	2.18	-5647.33	257.44	4.091e+04
		-2.114e+04	220.73	-6.94e-03	0.0	104.6	-1550.18	-1619.48	2.18	-5647.33	220.73	-2.114e+04
96	83	3.587e+04	262.36	5.39e-03	-2155.22	0.0	-450.46	452.41	2.37	-2218.47	262.36	3.186e+04
		-3.838e+04	139.67	5.41e-03	0.0	104.6	-450.46	-1702.81	2.37	-2218.47	139.67	-3.838e+04
96	86	7.428e+04	19.67	-2.96e-03	-2155.22	0.0	208.77	424.73	-4.86	1464.77	19.67	7.082e+04
		-2366.58	-363.33	-3.71e-03	0.0	104.6	208.77	-1730.49	-4.86	1464.77	-363.33	-2366.58
96	87	5.551e+04	77.45	1.79e-03	-2155.22	0.0	-120.01	434.93	-1.23	-389.73	77.45	5.185e+04
		-2.026e+04	-50.98	8.33e-04	0.0	104.6	-120.01	-1720.29	-1.23	-389.73	-50.98	-2.026e+04
96	88	5.507e+04	79.67	1.82e-03	-2155.22	0.0	-120.84	438.57	-1.24	-376.85	79.67	5.134e+04
		-2.037e+04	-50.48	8.52e-04	0.0	104.6	-120.84	-1716.65	-1.24	-376.85	-50.48	-2.037e+04
96	93	6.583e+04	86.70	1.99e-03	-2565.51	0.0	-135.21	528.13	-1.37	-317.30	86.70	6.127e+04

		-2.348e+04	-56.78	8.79e-04	0.0	104.6	-135.21	-2037.37	-1.37	-317.30	-56.78	-2.348e+04
96	95	6.480e+04	91.89	2.05e-03	-2565.51	0.0	-137.15	536.63	-1.41	-287.23	91.89	6.007e+04
		-2.375e+04	-55.63	9.24e-04	0.0	104.6	-137.15	-2028.88	-1.41	-287.23	-55.63	-2.375e+04
96	96	5.698e+04	74.79	1.79e-03	-2155.22	0.0	-118.36	417.13	-1.29	-539.46	74.79	5.369e+04
		-2.035e+04	-60.05	8.45e-04	0.0	104.6	-118.36	-1738.09	-1.29	-539.46	-60.05	-2.035e+04
96	97	6.214e+04	79.42	1.89e-03	-2360.36	0.0	-125.96	463.73	-1.36	-503.25	79.42	5.839e+04
		-2.196e+04	-62.96	8.68e-04	0.0	104.6	-125.96	-1896.63	-1.36	-503.25	-62.96	-2.196e+04
96	100	5.551e+04	77.45	1.79e-03	-2155.22	0.0	-120.01	434.93	-1.23	-389.73	77.45	5.185e+04
		-2.026e+04	-50.98	8.33e-04	0.0	104.6	-120.01	-1720.29	-1.23	-389.73	-50.98	-2.026e+04
96	102	5.757e+04	79.30	1.83e-03	-2237.28	0.0	-123.05	453.57	-1.26	-375.25	79.30	5.374e+04
		-2.090e+04	-52.14	8.42e-04	0.0	104.6	-123.05	-1783.71	-1.26	-375.25	-52.14	-2.090e+04
96	104	5.713e+04	81.52	1.86e-03	-2237.28	0.0	-123.88	457.21	-1.27	-362.36	81.52	5.322e+04
		-2.102e+04	-51.64	8.62e-04	0.0	104.6	-123.88	-1780.07	-1.27	-362.36	-51.64	-2.102e+04
96	105	5.551e+04	77.45	1.79e-03	-2155.22	0.0	-120.01	434.93	-1.23	-389.73	77.45	5.185e+04
		-2.026e+04	-50.98	8.33e-04	0.0	104.6	-120.01	-1720.29	-1.23	-389.73	-50.98	-2.026e+04
96	106	5.507e+04	79.67	1.82e-03	-2155.22	0.0	-120.84	438.57	-1.24	-376.85	79.67	5.134e+04
		-2.037e+04	-50.48	8.52e-04	0.0	104.6	-120.84	-1716.65	-1.24	-376.85	-50.48	-2.037e+04
97	3	4.872e+04	116.38	-3.34e-03	-5370.76	0.0	436.21	2817.43	-127.14	1.113e+04	116.38	-3.055e+04
		-3.055e+04	-7683.24	2.13e-03	0.0	107.5	436.21	-2553.33	-127.14	1.113e+04	-7683.24	-1.635e+04
97	4	4.747e+04	-552.05	-3.30e-03	-5370.76	0.0	526.65	2837.60	-124.33	1.151e+04	-552.05	-3.288e+04
		-3.288e+04	-7789.41	2.16e-03	0.0	107.5	526.65	-2533.15	-124.33	1.151e+04	-7789.41	-1.652e+04
97	7	3.875e+04	373.25	-2.63e-03	-4218.15	0.0	300.17	2204.09	-100.03	8555.83	373.25	-2.304e+04
		-2.304e+04	-5959.52	1.65e-03	0.0	107.5	300.17	-2014.06	-100.03	8555.83	-5959.52	-1.283e+04
97	9	3.724e+04	-1681.50	-2.67e-03	-4398.02	0.0	645.81	2362.89	-107.94	1.041e+04	-1681.50	-3.084e+04
		-3.084e+04	-6910.90	1.99e-03	0.0	107.5	645.81	-2035.13	-107.94	1.041e+04	-6910.90	-1.322e+04
97	11	4.355e+04	-1358.80	-3.08e-03	-5078.93	0.0	625.70	2709.32	-117.44	1.145e+04	-1358.80	-3.390e+04
		-3.390e+04	-7600.18	2.13e-03	0.0	107.5	625.70	-2369.62	-117.44	1.145e+04	-7600.18	-1.635e+04
97	21	3.613e+04	403.02	-2.38e-03	-3926.33	0.0	314.87	2053.27	-101.47	8282.79	403.02	-2.147e+04
		-2.147e+04	-5745.32	1.61e-03	0.0	107.5	314.87	-1873.05	-101.47	8282.79	-5745.32	-1.179e+04
97	31	8.569e+04	6057.76	-6.14e-03	-3517.78	0.0	-1139.55	769.85	-117.12	528.36	6057.76	7.685e+04
		-2.962e+04	-3225.34	3.71e-03	0.0	107.5	-1139.55	-2747.92	-117.12	528.36	-3225.34	-2.962e+04
97	34	1.366e+04	-6407.95	2.50e-03	-3517.78	0.0	1697.97	2939.10	-28.43	1.196e+04	-6407.95	8675.74
		-1.183e+05	-6856.01	-5.12e-04	0.0	107.5	1697.97	-578.67	-28.43	1.196e+04	-6856.01	-1.183e+05
97	36	7.807e+04	5792.35	-7.74e-03	-3517.78	0.0	-1666.66	941.97	-136.36	2060.40	5792.35	6.458e+04
		-2.326e+04	-3515.90	1.13e-03	0.0	107.5	-1666.66	-2575.80	-136.36	2060.40	-3515.90	-2.326e+04
97	37	1.080e+04	-6117.39	4.96e-03	-3517.78	0.0	2225.09	2766.98	-9.19	1.043e+04	-6117.39	2318.20
		-1.061e+05	-6590.61	2.07e-03	0.0	107.5	2225.09	-750.79	-9.19	1.043e+04	-6590.61	-1.061e+05
97	51	5.085e+04	1.513e+04	2.90e-03	-3517.78	0.0	786.34	1257.79	-171.28	6099.49	1.513e+04	2.676e+04
		-2.718e+04	-5781.85	7.92e-03	0.0	107.5	786.34	-2259.98	-171.28	6099.49	-5781.85	-2.718e+04
97	54	2.490e+04	-2354.11	-5.22e-03	-3517.78	0.0	-155.97	2414.21	102.37	-327.14	-1.741e+04	-6.421e+04
		-6.421e+04	-1.741e+04	-4.44e-03	0.0	107.5	-155.97	-1103.56	102.37	-327.14	-2354.11	6316.76
97	63	5.704e+04	3488.16	-4.30e-03	-3517.78	0.0	-465.21	1257.79	-120.40	4877.19	3488.16	3.296e+04
		-2.099e+04	-4502.39	2.86e-03	0.0	107.5	-465.21	-2259.98	-120.40	4877.19	-4502.39	-2.099e+04
97	66	1.776e+04	-3679.74	7.33e-04	-3517.78	0.0	1144.01	2446.01	-58.95	1.025e+04	-3679.74	-7.370e+04
		-7.370e+04	-6042.26	2.31e-04	0.0	107.5	1144.01	-1071.77	-58.95	1.025e+04	-6042.26	249.66
97	68	5.393e+04	3302.90	-5.26e-03	-3517.78	0.0	-770.90	1356.71	-117.97	4928.26	3302.90	2.583e+04
		-1.741e+04	-4414.41	1.09e-03	0.0	107.5	-770.90	-2161.07	-117.97	4928.26	-4414.41	-1.741e+04
97	69	1.753e+04	-3494.49	2.29e-03	-3517.78	0.0	1449.70	2347.09	-61.38	1.019e+04	-3494.49	-6.657e+04
		-6.657e+04	-6130.24	1.93e-03	0.0	107.5	1449.70	-1170.68	-61.38	1.019e+04	-6130.24	-3326.66
97	83	4.078e+04	8881.39	1.33e-03	-3517.78	0.0	615.29	1528.17	-186.00	1.063e+04	8881.39	5113.92
		-1.973e+04	-6595.94	5.49e-03	0.0	107.5	615.29	-1989.61	-186.00	1.063e+04	-6595.94	-1.973e+04
97	86	2.649e+04	-3948.70	-3.86e-03	-3517.78	0.0	63.51	2175.64	6.65	4490.87	-3948.70	-4.585e+04
		-4.585e+04	-9072.97	-2.47e-03	0.0	107.5	63.51	-1342.14	6.65	4490.87	-9072.97	-4.585e+04
97	87	3.007e+04	-187.99	-2.08e-03	-3323.23	0.0	345.15	1752.92	-86.96	7263.49	-187.99	-1.949e+04
		-1.949e+04	-5075.39	1.47e-03	0.0	107.5	345.15	-1570.31	-86.96	7263.49	-5075.39	-9677.35
97	88	3.190e+04	-95.79	-2.20e-03	-3517.78	0.0	339.40	1851.90	-89.68	7561.51	-95.79	-2.037e+04
		-2.037e+04	-5272.32	1.51e-03	0.0	107.5	339.40	-1665.87	-89.68	7561.51	-5272.32	-1.037e+04
97	91	3.617e+04	119.35	-2.48e-03	-3971.72	0.0	325.99	2082.85	-96.01	8256.87	119.35	-2.241e+04
		-2.241e+04	-5731.84	1.60e-03	0.0	107.5	325.99	-1888.87	-96.01	8256.87	-5731.84	-1.198e+04
97	92	3.534e+04	-326.28	-2.45e-03	-3971.72	0.0	386.28	2096.31	-94.14	8512.09	-326.28	-2.397e+04
		-2.397e+04	-5802.62	1.62e-03	0.0	107.5	386.28	-1875.42	-94.14	8512.09	-5802.62	-1.209e+04
97	93	2.850e+04	-1079.25	-2.03e-03	-3323.23	0.0	465.72	1779.83	-83.21	7773.92	-1079.25	-2.261e+04
		-2.261e+04	-5216.95	1.51e-03	0.0	107.5	465.72	-1543.40	-83.21	7773.92	-5216.95	-9898.32
97	95	3.270e+04	-864.11	-2.31e-03	-3777.17	0.0	452.32	2010.78	-89.55	8469.29	-864.11	-2.465e+04
		-2.465e+04	-5676.47	1.60e-03	0.0	107.5	452.32	-1766.39	-89.55	8469.29	-5676.47	-1.151e+04
97	98	3.443e+04	139.19	-2.31e-03	-3777.17	0.0	335.80	1982.31	-96.97	8074.85	139.19	-2.137e+04
		-2.137e+04	-5589.04	1.58e-03	0.0	107.5	335.80	-1794.86	-96.97	8074.85	-5589.04	-1.129e+04
97	101	3.312e+04	-34.32	-2.28e-03	-3647.47	0.0	335.57	1917.89	-91.49	7760.18	-34.32	-2.095e+04
		-2.095e+04	-5403.61	1.54e-03	0.0	107.5	335.57	-1729.59	-91.49	7760.18	-5403.61	-1.083e+04
97	102	2.974e+04	-366.24	-2.07e-03	-3323.23	0.0	369.26	1758.30	-86.21	7365.58	-366.24	-2.012e+04
		-2.012e+04	-5103.70	1.48e-03	0.0	107.5	369.26	-1564.92	-86.21	7365.58	-5103.70	-9721.55
97	104	3.157e+04	-274.04	-2.19e-03	-3517.78	0.0	363.52	1857.28	-88.93	7663.59	-274.04	-2.099e+04
		-2.099e+04	-5300.64	1.52e-03	0.0	107.5	363.52	-1660.49	-88.93	7663.59	-5300.64	-1.041e+04
97	105	3.007e+04	-187.99	-2.08e-03	-3323.23	0.0	345.15	1752.92	-86.96	7263.49	-187.99	-1.949e+04
		-1.949e+04	-5075.39	1.47e-03	0.0	107.5	345.15	-1570.31	-86.96	7263.49	-5075.39	-9677.35
97	106	3.190e+04	-95.79	-2.20e-03	-3517.78	0.0	339.40	1851.90	-89.68	7561.51	-95.79	-2.037e+04
		-2.037e+04	-5272.32	1.51e-03	0.0	107.5	339.40	-1665.87	-89.68	7561.51	-5272.32	-1.037e+04
98	3	5.591e+04	-1032.20	-3.43e-03	-5370.76	0.0	4.86	2687.06	-92.67	1.413e+04	-1032.20	-1.635e+04
		-1.635e+04	-2752.21	9.05e-04	0.0	107.5	4.86	-2683.69	-92.67	1.413e+04	-2752.21	-1.635e+04
98	4	5.582e+04	-1192.89	-3.47e-03	-5370.76	0.0	60.51	2688.41	-96.33	1.458e+04	-1192.89	-1.652e+04

		-1.652e+04	-2746.84	9.19e-04	0.0	107.5	60.51	-2682.34	-96.33	1.458e+04	-1192.89	-1.619e+04
98	5	3.423e+04	-442.64	-2.18e-03	-3245.41	0.0	161.12	1622.53	-62.29	9337.76	-1977.19	-9366.58
		-9385.54	-1977.19	6.06e-04	0.0	107.5	161.12	-1622.88	-62.29	9337.76	-442.64	-9385.54
98	7	4.390e+04	-764.39	-2.66e-03	-4218.15	0.0	-33.86	2109.98	-70.71	1.084e+04	-2132.93	-1.283e+04
		-1.283e+04	-2132.93	7.00e-04	0.0	107.5	-33.86	-2108.17	-70.71	1.084e+04	-764.39	-1.273e+04
98	9	4.605e+04	-1031.82	-3.03e-03	-4398.02	0.0	311.14	2202.31	-91.57	1.353e+04	-2585.73	-1.322e+04
		-1.322e+04	-2585.73	8.38e-04	0.0	107.5	311.14	-2195.71	-91.57	1.353e+04	-1031.82	-1.287e+04
98	35	2.931e+04	-1155.06	-3.90e-03	-3517.78	0.0	341.22	1980.70	-46.60	5198.99	-2586.41	-3.037e+04
		-3.037e+04	-2586.41	3.54e-03	0.0	107.5	341.22	-1537.08	-46.60	5198.99	-1155.06	-6998.29
98	38	4.582e+04	1469.15	1.63e-03	-3517.78	0.0	-222.18	1538.86	-49.54	1.229e+04	-1922.61	9426.15
		-1.375e+04	-1922.61	-2.10e-03	0.0	107.5	-222.18	-1978.92	-49.54	1.229e+04	1469.15	-1.375e+04
98	41	3.314e+04	2953.68	1.50e-03	-3517.78	0.0	1857.61	1807.85	21.27	1006.55	711.75	-1.509e+04
		-1.509e+04	711.75	3.80e-03	0.0	107.5	1857.61	-1709.92	21.27	1006.55	2953.68	-1.316e+04
98	48	4.117e+04	1800.67	-5.13e-03	-3517.78	0.0	-2460.18	1691.46	-49.40	1.226e+04	-6820.25	-3273.18
		-8926.15	-6820.25	-5.34e-03	0.0	107.5	-2460.18	-1826.32	-49.40	1.226e+04	1800.67	-8926.15
98	49	3.239e+04	1845.86	2.94e-03	-3517.78	0.0	2741.74	1824.22	29.72	347.20	1118.73	-1.759e+04
		-1.759e+04	1118.73	6.83e-03	0.0	107.5	2741.74	-1693.55	29.72	347.20	1845.86	-1.217e+04
98	67	3.239e+04	-1706.74	-3.00e-03	-3517.78	0.0	312.29	1881.32	-74.75	8180.83	-1872.70	-2.140e+04
		-2.140e+04	-1872.70	2.42e-03	0.0	107.5	312.29	-1636.45	-74.75	8180.83	-1706.74	-8495.98
98	70	4.159e+04	575.36	-1.82e-03	-3517.78	0.0	-76.41	1637.26	-56.05	1.152e+04	-2166.70	662.57
		-1.216e+04	-2166.70	-1.15e-03	0.0	107.5	-76.41	-1880.52	-56.05	1.152e+04	575.36	-1.216e+04
98	80	3.946e+04	849.38	-4.05e-03	-3517.78	0.0	-1557.09	1722.99	-51.62	1.211e+04	-5241.74	-6313.46
		-9306.80	-5241.74	-3.38e-03	0.0	107.5	-1557.09	-1794.78	-51.62	1.211e+04	849.38	-9306.80
98	81	3.438e+04	1202.35	1.51e-03	-3517.78	0.0	1792.97	1795.59	-79.18	7593.06	1202.35	-1.443e+04
		-1.443e+04	-1980.75	4.65e-03	0.0	107.5	1792.97	-1722.19	-79.18	7593.06	-1980.75	-1.135e+04
98	82	4.149e+04	1244.92	-3.34e-03	-3517.78	0.0	-1362.33	1664.26	-47.08	1.262e+04	-4619.78	-1127.83
		-1.044e+04	-4619.78	-2.61e-03	0.0	107.5	-1362.33	-1853.51	-47.08	1.262e+04	1244.92	-1.044e+04
98	87	3.499e+04	-501.34	-2.23e-03	-3323.23	0.0	156.94	1661.80	-63.72	9550.46	-1988.55	-9677.37
		-9677.37	-1988.55	6.16e-04	0.0	107.5	156.94	-1661.43	-63.72	9550.46	-501.34	-9657.32
98	88	3.692e+04	-565.69	-2.32e-03	-3517.78	0.0	117.94	1759.29	-65.40	9850.89	-2019.70	-1.037e+04
		-1.037e+04	-2019.70	6.35e-04	0.0	107.5	117.94	-1758.49	-65.40	9850.89	-565.69	-1.033e+04
98	89	3.499e+04	-501.34	-2.23e-03	-3323.23	0.0	156.94	1661.80	-63.72	9550.46	-1988.55	-9677.37
		-9677.37	-1988.55	6.16e-04	0.0	107.5	156.94	-1661.43	-63.72	9550.46	-501.34	-9657.32
98	91	4.143e+04	-715.84	-2.55e-03	-3971.72	0.0	26.95	1986.77	-69.32	1.055e+04	-2092.37	-1.198e+04
		-1.198e+04	-2092.37	6.79e-04	0.0	107.5	26.95	-1984.95	-69.32	1.055e+04	-715.84	-1.189e+04
98	92	4.137e+04	-822.97	-2.58e-03	-3971.72	0.0	64.05	1987.67	-71.76	1.085e+04	-2088.79	-1.209e+04
		-1.209e+04	-2088.79	6.88e-04	0.0	107.5	64.05	-1984.06	-71.76	1.085e+04	-822.97	-1.190e+04
98	93	3.486e+04	-715.59	-2.28e-03	-3323.23	0.0	231.14	1663.60	-68.60	1.015e+04	-1981.39	-9898.34
		-9898.34	-1981.39	6.34e-04	0.0	107.5	231.14	-1659.63	-68.60	1.015e+04	-715.59	-9685.07
98	100	3.499e+04	-501.34	-2.23e-03	-3323.23	0.0	156.94	1661.80	-63.72	9550.46	-1988.55	-9677.37
		-9677.37	-1988.55	6.16e-04	0.0	107.5	156.94	-1661.43	-63.72	9550.46	-501.34	-9657.32
98	101	3.821e+04	-608.59	-2.39e-03	-3647.47	0.0	91.94	1824.28	-66.52	1.005e+04	-2040.46	-1.083e+04
		-1.083e+04	-2040.46	6.47e-04	0.0	107.5	91.94	-1823.19	-66.52	1.005e+04	-608.59	-1.077e+04
98	102	3.496e+04	-544.19	-2.24e-03	-3323.23	0.0	171.78	1662.16	-64.69	9670.74	-1987.12	-9721.57
		-9721.57	-1987.12	6.19e-04	0.0	107.5	171.78	-1661.07	-64.69	9670.74	-544.19	-9662.87
98	105	3.499e+04	-501.34	-2.23e-03	-3323.23	0.0	156.94	1661.80	-63.72	9550.46	-1988.55	-9677.37
		-9677.37	-1988.55	6.16e-04	0.0	107.5	156.94	-1661.43	-63.72	9550.46	-501.34	-9657.32
98	106	3.692e+04	-565.69	-2.32e-03	-3517.78	0.0	117.94	1759.29	-65.40	9850.89	-2019.70	-1.037e+04
		-1.037e+04	-2019.70	6.35e-04	0.0	107.5	117.94	-1758.49	-65.40	9850.89	-565.69	-1.033e+04
99	4	5.957e+04	6566.11	-3.83e-03	-5370.76	0.0	227.69	2752.12	-201.73	1.229e+04	6566.11	-1.619e+04
		-1.619e+04	-9519.50	1.04e-03	0.0	107.5	227.69	-2618.64	-201.73	1.229e+04	-9519.50	-9016.19
99	7	4.640e+04	5012.88	-2.89e-03	-4218.15	0.0	106.96	2154.63	-153.96	9205.70	5012.88	-1.273e+04
		-1.273e+04	-7071.99	7.88e-04	0.0	107.5	106.96	-2063.52	-153.96	9205.70	-7071.99	-7832.71
99	9	4.996e+04	5994.50	-3.47e-03	-4398.02	0.0	482.02	2268.48	-183.30	1.153e+04	5994.50	-1.287e+04
		-1.287e+04	-8440.64	9.53e-04	0.0	107.5	482.02	-2129.53	-183.30	1.153e+04	-8440.64	-5399.38
99	33	3.758e+04	5544.24	2.49e-03	-3517.78	0.0	1095.83	1839.40	-130.57	7624.68	5544.24	-1.441e+04
		-1.441e+04	-4122.52	2.27e-04	0.0	107.5	1095.83	-1678.38	-130.57	7624.68	-4122.52	-4966.45
99	48	4.149e+04	4598.22	-4.82e-03	-3517.78	0.0	-2501.40	1832.02	-167.14	1.213e+04	4598.22	-8926.14
		-8926.14	-9588.35	-5.04e-03	0.0	107.5	-2501.40	-1685.76	-167.14	1.213e+04	-9588.35	-2640.13
99	49	3.686e+04	8321.09	1.96e-03	-3517.78	0.0	3117.81	1776.88	-99.00	2630.75	8321.09	-1.217e+04
		-1.217e+04	627.60	6.59e-03	0.0	107.5	3117.81	-1740.90	-99.00	2630.75	627.60	-8656.30
99	52	4.153e+04	4606.66	-4.84e-03	-3517.78	0.0	-2492.49	1831.62	-166.44	1.211e+04	4606.66	-8882.28
		-8882.28	-9545.81	-3.99e-03	0.0	107.5	-2492.49	-1686.16	-166.44	1.211e+04	-9545.81	-2605.47
99	65	3.825e+04	4486.47	-1.39e-03	-3517.78	0.0	896.60	1821.29	-133.13	8254.63	4486.47	-1.259e+04
		-1.259e+04	-5186.14	5.89e-04	0.0	107.5	896.60	-1696.49	-133.13	8254.63	-5186.14	-5453.99
99	74	4.050e+04	5524.73	-2.82e-03	-3517.78	0.0	-926.99	1828.97	-168.67	1.089e+04	5524.73	-9885.61
		-9885.61	-8464.20	-7.37e-04	0.0	107.5	-926.99	-1688.80	-168.67	1.089e+04	-8464.20	-3657.96
99	80	4.105e+04	4970.27	-4.00e-03	-3517.78	0.0	-1621.70	1824.38	-170.26	1.109e+04	4970.27	-9306.82
		-9306.82	-9322.94	-3.17e-03	0.0	107.5	-1621.70	-1693.39	-170.26	1.109e+04	-9322.94	-3124.50
99	81	3.765e+04	4144.52	-1.41e-03	-3517.78	0.0	2156.93	1782.96	-108.32	5919.05	4144.52	-1.135e+04
		-1.135e+04	-2924.90	4.59e-03	0.0	107.5	2156.93	-1734.82	-108.32	5919.05	-2924.90	-7899.88
99	84	4.108e+04	4977.69	-4.01e-03	-3517.78	0.0	-1613.10	1824.16	-169.90	1.108e+04	4977.69	-9282.72
		-9282.72	-9298.25	-2.59e-03	0.0	107.5	-1613.10	-1693.61	-169.90	1.108e+04	-9298.25	-3105.05
99	87	3.738e+04	4426.01	-2.50e-03	-3323.23	0.0	309.76	1705.88	-135.06	8295.05	4426.01	-9657.34
		-9657.34	-5841.61	6.89e-04	0.0	107.5	309.76	-1617.35	-135.06	8295.05	-5841.61	-4898.99
99	88	3.935e+04	4557.39	-2.59e-03	-3517.78	0.0	267.62	1803.67	-139.29	8506.39	4557.39	-1.033e+04
		-1.033e+04	-6123.92	7.11e-04	0.0	107.5	267.62	-1714.11	-139.29	8506.39	-6123.92	-5512.19
99	91	4.396e+04	4863.96	-2.80e-03	-3971.72	0.0	169.29	2031.85	-149.16	8999.53	4863.96	-1.189e+04
		-1.189e+04	-6782.64	7.64e-04	0.0	107.5	169.29	-1939.87	-149.16	8999.53	-6782.64	-6943.00
99	92	4.413e+04	4920.84	-2.85e-03	-3971.72	0.0	198.37	2035.39	-150.99	9199.52	4920.84	-1.190e+04

		-1.190e+04	-7004.44	7.79e-04	0.0	107.5	198.37	-1936.33	-150.99	9199.52	-7004.44	-6575.80
99	93	3.773e+04	4539.76	-2.61e-03	-3323.23	0.0	367.92	1712.97	-138.71	8695.02	4539.76	-9685.10
		-9685.10	-6285.20	7.18e-04	0.0	107.5	367.92	-1610.26	-138.71	8695.02	-6285.20	-4164.58
99	101	4.067e+04	4644.99	-2.65e-03	-3647.47	0.0	239.52	1868.86	-142.11	8647.29	4644.99	-1.077e+04
		-1.077e+04	-6312.13	7.26e-04	0.0	107.5	239.52	-1778.61	-142.11	8647.29	-6312.13	-5920.99
99	102	3.745e+04	4448.76	-2.52e-03	-3323.23	0.0	321.39	1707.30	-135.79	8375.04	4448.76	-9662.89
		-9662.89	-5930.33	6.95e-04	0.0	107.5	321.39	-1615.93	-135.79	8375.04	-5930.33	-4752.11
99	105	3.738e+04	4426.01	-2.50e-03	-3323.23	0.0	309.76	1705.88	-135.06	8295.05	4426.01	-9657.34
		-9657.34	-5841.61	6.89e-04	0.0	107.5	309.76	-1617.35	-135.06	8295.05	-5841.61	-4898.99
99	106	3.935e+04	4557.39	-2.59e-03	-3517.78	0.0	267.62	1803.67	-139.29	8506.39	4557.39	-1.033e+04
		-1.033e+04	-6123.92	7.11e-04	0.0	107.5	267.62	-1714.11	-139.29	8506.39	-6123.92	-5512.19
100	3	6.094e+04	-759.18	-3.57e-03	-4971.07	0.0	154.84	2657.86	44.87	4497.71	-2545.64	-9567.02
		-9567.02	-2545.64	4.55e-04	0.0	99.5	154.84	-2313.22	44.87	4497.71	-759.18	7578.75
100	4	6.260e+04	-753.74	-3.73e-03	-4971.07	0.0	169.85	2677.63	50.96	4547.23	-2586.58	-9016.22
		-9016.22	-2586.58	4.68e-04	0.0	99.5	169.85	-2293.44	50.96	4547.23	-753.74	1.010e+04
100	7	4.694e+04	-593.50	-2.71e-03	-3904.24	0.0	95.43	2076.67	32.90	3465.69	-2000.95	-7832.73
		-7832.73	-2000.95	3.47e-04	0.0	99.5	95.43	-1827.57	32.90	3465.69	-593.50	4559.93
100	12	4.282e+04	-498.07	-2.82e-03	-3003.89	0.0	329.79	1675.32	38.51	3297.00	-1437.05	-3665.11
		-3665.11	-1437.05	3.55e-04	0.0	99.5	329.79	-1328.57	38.51	3297.00	-498.07	1.359e+04
100	16	5.569e+04	-852.18	-3.51e-03	-4070.72	0.0	403.28	2244.35	42.13	4600.27	-1888.63	-5847.15
		-5847.15	-1888.63	4.71e-04	0.0	99.5	403.28	-1826.37	42.13	4600.27	-852.18	1.495e+04
100	38	4.954e+04	-4066.17	1.84e-03	-3255.99	0.0	-308.34	1862.52	27.92	3073.24	-5327.29	-3444.27
		-3444.27	-5327.29	-2.47e-03	0.0	99.5	-308.34	-1393.47	27.92	3073.24	-4066.17	1.988e+04
100	47	3.703e+04	9731.67	-2.37e-03	-3255.99	0.0	3665.17	1746.24	-20.16	2821.17	9731.67	-9362.50
		-9362.50	5252.41	5.24e-03	0.0	99.5	3665.17	-1509.75	-20.16	2821.17	5252.41	2243.16
100	48	4.335e+04	-2311.84	-3.98e-03	-3255.99	0.0	-3358.82	1734.09	64.39	5413.46	-7490.51	-2640.17
		-2640.17	-7490.51	-5.86e-03	0.0	99.5	-3358.82	-1521.90	64.39	5413.46	-2311.84	8245.12
100	49	4.087e+04	8502.85	-1.41e-03	-3255.99	0.0	4017.13	1803.94	-26.71	2343.13	8502.85	-8656.30
		-8656.30	3619.77	6.63e-03	0.0	99.5	4017.13	-1452.05	-26.71	2343.13	3619.77	8520.99
100	50	4.719e+04	-3944.48	-2.78e-03	-3255.99	0.0	-3006.86	1791.79	57.84	4935.42	-8719.32	-1933.97
		-1933.97	-8719.32	-4.47e-03	0.0	99.5	-3006.86	-1464.20	57.84	4935.42	-3944.48	1.452e+04
100	70	4.625e+04	-2645.62	-1.77e-03	-3255.99	0.0	-149.87	1816.89	34.59	3056.33	-4249.01	-4181.43
		-4181.43	-4249.01	-1.51e-03	0.0	99.5	-149.87	-1439.09	34.59	3056.33	-2645.62	1.461e+04
100	79	3.838e+04	4537.69	-2.33e-03	-3255.99	0.0	2587.34	1750.17	-3.99	2796.42	4537.69	-8273.82
		-8273.82	2166.48	3.88e-03	0.0	99.5	2587.34	-1505.82	-3.99	2796.42	2166.48	3803.88
100	80	4.337e+04	-2356.34	-3.48e-03	-3255.99	0.0	-2316.62	1744.71	66.25	4027.50	-6955.46	-3124.54
		-3124.54	-6955.46	-3.96e-03	0.0	99.5	-2316.62	-1511.27	66.25	4027.50	-2356.34	8660.84
100	81	4.048e+04	3866.68	-1.78e-03	-3255.99	0.0	2807.90	1781.84	-7.39	2538.67	3866.68	-7899.88
		-7899.88	1293.34	4.63e-03	0.0	99.5	2807.90	-1474.15	-7.39	2538.67	1293.34	7236.09
100	82	4.546e+04	-3229.49	-2.83e-03	-3255.99	0.0	-2096.06	1776.38	62.85	3769.74	-7626.47	-2750.61
		-2750.61	-7626.47	-3.21e-03	0.0	99.5	-2096.06	-1479.60	62.85	3769.74	-3229.49	1.209e+04
100	87	4.044e+04	-514.59	-2.54e-03	-3075.92	0.0	286.51	1675.10	28.12	3229.53	-1415.24	-4899.01
		-4899.01	-1415.24	3.33e-04	0.0	99.5	286.51	-1400.82	28.12	3229.53	-514.59	8746.22
100	88	4.192e+04	-531.50	-2.58e-03	-3255.99	0.0	245.64	1763.28	29.43	3283.08	-1544.39	-5512.21
		-5512.21	-1544.39	3.36e-04	0.0	99.5	245.64	-1492.71	29.43	3283.08	-531.50	7948.46
100	91	4.539e+04	-570.96	-2.69e-03	-3676.15	0.0	150.28	1969.03	32.48	3408.02	-1845.75	-6943.02
		-6943.02	-1845.75	3.45e-04	0.0	99.5	150.28	-1707.12	32.48	3408.02	-570.96	6087.01
100	92	4.650e+04	-567.34	-2.79e-03	-3676.15	0.0	160.28	1982.21	36.54	3441.04	-1873.04	-6575.82
		-6575.82	-1873.04	3.54e-04	0.0	99.5	160.28	-1693.94	36.54	3441.04	-567.34	7765.89
100	93	4.265e+04	-507.34	-2.76e-03	-3075.92	0.0	306.51	1701.46	36.23	3295.56	-1469.82	-4164.61
		-4164.61	-1469.82	3.50e-04	0.0	99.5	306.51	-1374.46	36.23	3295.56	-507.34	1.210e+04
100	97	4.189e+04	-632.97	-2.64e-03	-3075.92	0.0	315.90	1693.36	30.66	3476.40	-1407.75	-4463.10
		-4463.10	-4463.10	3.56e-04	0.0	99.5	315.90	-1382.56	30.66	3476.40	-632.97	1.100e+04
100	101	4.291e+04	-542.77	-2.61e-03	-3376.03	0.0	218.39	1822.06	30.30	3318.78	-1630.49	-5921.01
		-5921.01	-1630.49	3.39e-04	0.0	99.5	218.39	-1553.97	30.30	3318.78	-542.77	7416.62
100	102	4.088e+04	-513.14	-2.58e-03	-3075.92	0.0	290.51	1680.37	29.74	3242.74	-1426.15	-4752.13
		-4752.13	-4752.13	3.36e-04	0.0	99.5	290.51	-1395.55	29.74	3242.74	-513.14	9417.78
100	105	4.044e+04	-514.59	-2.54e-03	-3075.92	0.0	286.51	1675.10	28.12	3229.53	-1415.24	-4899.01
		-4899.01	-1415.24	3.33e-04	0.0	99.5	286.51	-1400.82	28.12	3229.53	-514.59	8746.22
100	106	4.192e+04	-531.50	-2.58e-03	-3255.99	0.0	245.64	1763.28	29.43	3283.08	-1544.39	-5512.21
		-5512.21	-1544.39	3.36e-04	0.0	99.5	245.64	-1492.71	29.43	3283.08	-531.50	7948.46
101	3	6.844e+04	2185.38	-3.49e-03	-5395.74	0.0	-1301.71	2613.26	-109.16	6577.21	2185.38	165.18
		-8972.49	-2434.83	7.27e-04	0.0	108.0	-1301.71	-2782.48	-109.16	6577.21	-2434.83	-8972.49
101	4	7.005e+04	2174.25	-3.57e-03	-5395.74	0.0	-1417.18	2596.21	-114.83	6822.07	2174.25	2693.79
		-8284.88	-2532.06	7.49e-04	0.0	108.0	-1417.18	-2799.52	-114.83	6822.07	-2532.06	-8284.88
101	5	4.433e+04	1390.41	-2.33e-03	-3260.50	0.0	-743.16	1550.34	-77.47	4539.06	1390.41	4630.62
		-4000.34	-1383.89	4.92e-04	0.0	108.0	-743.16	-1710.17	-77.47	4539.06	-1383.89	-4000.34
101	11	6.911e+04	2066.05	-3.54e-03	-5102.56	0.0	-1461.41	2425.65	-119.04	6924.82	2066.05	7008.11
		-6559.31	-2479.82	7.51e-04	0.0	108.0	-1461.41	-2676.90	-119.04	6924.82	-2479.82	-6559.31
101	32	5.377e+04	-1072.10	-5.03e-03	-3534.14	0.0	-2677.75	1630.12	-64.65	6151.21	-1072.10	1.370e+04
		-2054.26	-2239.06	1.17e-03	0.0	108.0	-2677.75	-1904.01	-64.65	6151.21	-2239.06	-2054.26
101	35	5.275e+04	-1127.34	-4.86e-03	-3534.14	0.0	-1181.60	1612.55	-59.84	4637.65	-1127.34	1.307e+04
		-3585.97	-2700.78	3.71e-03	0.0	108.0	-1181.60	-1921.59	-59.84	4637.65	-2700.78	-3585.97
101	38	4.189e+04	4875.71	3.29e-03	-3534.14	0.0	-562.64	1762.96	-92.38	4120.91	4875.71	-5582.63
		-6054.70	921.96	-2.61e-03	0.0	108.0	-562.64	-1771.18	-92.38	4120.91	921.96	-6054.70
101	48	5.007e+04	2296.44	-3.43e-03	-3534.14	0.0	-4090.40	1700.16	-69.20	6216.95	2296.44	5916.01
		-1190.11	1392.15	-6.41e-03	0.0	108.0	-4090.40	-1833.98	-69.20	6216.95	1392.15	-1190.11
101	49	4.459e+04	3017.77	-1.60e-03	-3534.14	0.0	2626.75	1666.49	-61.61	887.48	3017.77	2367.14
		-8615.17	-303.95	7.43e-03	0.0	108.0	2626.75	-1867.64	-61.61	887.48	-303.95	-8615.17
101	64	5.059e+04	276.64	-3.82e-03	-3534.14	0.0	-1977.28	1659.80	-74.30	5675.73	276.64	8925.81

		-3191.95	-2069.41	5.70e-04	0.0	108.0	-1977.28	-1874.34	-74.30	5675.73	-2069.41	-3191.95
101	80	4.860e+04	2598.29	-3.04e-03	-3534.14	0.0	-3086.90	1704.46	-83.12	6133.82	2598.29	4241.72
		-2458.31	-409.34	-4.31e-03	0.0	108.0	-3086.90	-1829.68	-83.12	6133.82	-409.34	-2458.31
101	81	4.547e+04	359.16	-1.90e-03	-3534.14	0.0	1420.24	1675.78	-76.87	3310.04	359.16	2723.57
		-7197.79	-2677.34	5.34e-03	0.0	108.0	1420.24	-1858.36	-76.87	3310.04	-2677.34	-7197.79
101	83	4.734e+04	-551.61	-2.58e-03	-3534.14	0.0	997.22	1654.67	-72.46	3647.45	-551.61	5698.72
		-6471.98	-3122.23	5.14e-03	0.0	108.0	997.22	-1879.47	-72.46	3647.45	-3122.23	-6471.98
101	86	4.675e+04	3509.06	-2.32e-03	-3534.14	0.0	-2663.87	1725.57	-87.53	5796.42	3509.06	1266.56
		-3184.11	35.55	-4.12e-03	0.0	108.0	-2663.87	-1808.57	-87.53	5796.42	35.55	-3184.11
101	87	4.534e+04	1414.01	-2.38e-03	-3338.68	0.0	-785.84	1587.78	-79.02	4627.18	1414.01	4673.12
		-4136.08	-1443.70	5.02e-04	0.0	108.0	-785.84	-1750.91	-79.02	4627.18	-1443.70	-4136.08
101	88	4.704e+04	1478.72	-2.45e-03	-3534.14	0.0	-833.33	1690.12	-80.00	4721.93	1478.72	3482.64
		-4828.05	-1543.34	5.15e-04	0.0	108.0	-833.33	-1844.02	-80.00	4721.93	-1543.34	-4828.05
101	89	4.534e+04	1414.01	-2.38e-03	-3338.68	0.0	-785.84	1587.78	-79.02	4627.18	1414.01	4673.12
		-4136.08	-1443.70	5.02e-04	0.0	108.0	-785.84	-1750.91	-79.02	4627.18	-1443.70	-4136.08
101	91	5.100e+04	1629.72	-2.62e-03	-3990.19	0.0	-944.13	1928.92	-82.28	4943.01	1629.72	704.87
		-6442.64	-1775.84	5.45e-04	0.0	108.0	-944.13	-2061.28	-82.28	4943.01	-1775.84	-6442.64
101	92	5.207e+04	1622.30	-2.67e-03	-3990.19	0.0	-1021.11	1917.55	-86.05	5106.25	1622.30	2390.61
		-5984.24	-1840.66	5.60e-04	0.0	108.0	-1021.11	-2072.64	-86.05	5106.25	-1840.66	-5984.24
101	95	5.145e+04	1550.17	-2.65e-03	-3794.74	0.0	-1050.60	1803.85	-88.86	5174.75	1550.17	5266.82
		-4833.86	-1805.84	5.61e-04	0.0	108.0	-1050.60	-1990.90	-88.86	5174.75	-1805.84	-4833.86
101	100	4.534e+04	1414.01	-2.38e-03	-3338.68	0.0	-785.84	1587.78	-79.02	4627.18	1414.01	4673.12
		-4136.08	-1443.70	5.02e-04	0.0	108.0	-785.84	-1750.91	-79.02	4627.18	-1443.70	-4136.08
101	101	4.817e+04	1521.87	-2.50e-03	-3664.44	0.0	-864.98	1758.35	-80.65	4785.10	1521.87	2688.99
		-5289.36	-1609.77	5.24e-04	0.0	108.0	-864.98	-1906.09	-80.65	4785.10	-1609.77	-5289.36
101	105	4.534e+04	1414.01	-2.38e-03	-3338.68	0.0	-785.84	1587.78	-79.02	4627.18	1414.01	4673.12
		-4136.08	-1443.70	5.02e-04	0.0	108.0	-785.84	-1750.91	-79.02	4627.18	-1443.70	-4136.08
101	106	4.704e+04	1478.72	-2.45e-03	-3534.14	0.0	-833.33	1690.12	-80.00	4721.93	1478.72	3482.64
		-4828.05	-1543.34	5.15e-04	0.0	108.0	-833.33	-1844.02	-80.00	4721.93	-1543.34	-4828.05
102	3	5.485e+04	-2080.47	-2.60e-03	-4996.05	0.0	-971.01	2525.41	-0.03	1968.29	-2921.06	-8972.50
		-8972.50	-2921.06	6.38e-04	0.0	100.0	-971.01	-2470.64	-0.03	1968.29	-2080.47	-6234.25
102	4	5.551e+04	-2182.59	-2.65e-03	-4996.05	0.0	-1040.85	2524.91	0.96	2028.02	-3096.37	-8284.89
		-8284.89	-3096.37	6.57e-04	0.0	100.0	-1040.85	-2471.14	0.96	2028.02	-2182.59	-5596.76
102	5	3.439e+04	-1229.27	-1.76e-03	-3018.99	0.0	-430.11	1522.62	-2.12	1427.44	-1877.19	-4000.35
		-4000.35	-1877.19	4.34e-04	0.0	100.0	-430.11	-1496.37	-2.12	1427.44	-1229.27	-2687.92
102	11	5.368e+04	-2174.68	-2.62e-03	-4724.59	0.0	-1014.67	2386.00	1.38	2066.36	-3170.84	-6559.33
		-6559.33	-3170.84	6.60e-04	0.0	100.0	-1014.67	-2338.59	1.38	2066.36	-2174.68	-4188.82
102	19	3.456e+04	-1238.89	-1.73e-03	-3018.99	0.0	-421.60	1522.37	-1.27	1451.57	-1958.44	-3824.23
		-3824.23	-1958.44	4.44e-04	0.0	100.0	-421.60	-1496.61	-1.27	1451.57	-1238.89	-2536.32
102	47	3.335e+04	7707.14	-2.28e-03	-3272.35	0.0	3751.96	1631.73	-46.91	4295.88	7707.14	-7306.62
		-7796.96	2882.90	5.59e-03	0.0	100.0	3751.96	-1640.62	-46.91	4295.88	2882.90	-7796.96
102	48	4.008e+04	-3264.47	-2.07e-03	-3272.35	0.0	-5091.05	1644.09	18.29	-580.93	-6662.11	-1190.13
		-1190.13	-6662.11	-6.15e-03	0.0	100.0	-5091.05	-1628.26	18.29	-580.93	-3264.47	-458.86
102	49	3.342e+04	6137.70	-1.61e-03	-3272.35	0.0	4205.55	1658.14	-21.32	3327.86	6137.70	-8615.18
		-8615.18	4004.40	7.05e-03	0.0	100.0	4205.55	-1614.21	-21.32	3327.86	4004.40	-6357.77
102	50	4.015e+04	-2142.97	-1.48e-03	-3272.35	0.0	-4637.46	1670.50	43.89	-1548.94	-8231.55	-2498.69
		-2498.69	-8231.55	-4.69e-03	0.0	100.0	-4637.46	-1601.85	43.89	-1548.94	-2142.97	980.33
102	54	4.016e+04	-2122.18	-1.43e-03	-3272.35	0.0	-4653.18	1670.95	44.23	-1495.04	-8211.22	-2489.95
		-2489.95	-8211.22	-5.79e-03	0.0	100.0	-4653.18	-1601.40	44.23	-1495.04	-2122.18	996.55
102	79	3.446e+04	3113.87	-2.04e-03	-3272.35	0.0	2413.54	1636.93	-40.13	3388.35	3113.87	-6467.25
		-6467.25	-115.47	4.36e-03	0.0	100.0	2413.54	-1635.42	-40.13	3388.35	-115.47	-6417.65
102	80	3.922e+04	-3214.34	-2.00e-03	-3272.35	0.0	-3754.93	1651.92	23.25	62.96	-6283.60	-2458.32
		-2458.32	-6283.60	-4.25e-03	0.0	100.0	-3754.93	-1620.43	23.25	62.96	-3214.34	-917.17
102	81	3.449e+04	2269.06	-1.67e-03	-3272.35	0.0	2686.83	1651.47	-26.01	2856.36	2269.06	-7197.80
		-7197.80	508.52	5.15e-03	0.0	100.0	2686.83	-1620.88	-26.01	2856.36	508.52	-5635.31
102	82	3.924e+04	-2590.35	-1.67e-03	-3272.35	0.0	-3481.64	1666.46	37.38	-469.03	-7128.42	-3188.87
		-3188.87	-7128.42	-3.46e-03	0.0	100.0	-3481.64	-1605.89	37.38	-469.03	-2590.35	-134.83
102	86	3.925e+04	-2578.72	-1.64e-03	-3272.35	0.0	-3495.20	1666.70	37.56	-438.79	-7116.27	-3184.12
		-3184.12	-7116.27	-4.06e-03	0.0	100.0	-3495.20	-1605.65	37.56	-438.79	-2578.72	-126.37
102	87	3.519e+04	-1279.56	-1.79e-03	-3091.38	0.0	-470.04	1559.42	-1.76	1445.40	-1940.05	-4136.09
		-4136.09	-1940.05	4.42e-04	0.0	100.0	-470.04	-1531.95	-1.76	1445.40	-1279.56	-2762.61
102	88	3.685e+04	-1352.91	-1.84e-03	-3272.35	0.0	-534.05	1651.69	-1.38	1459.66	-2007.27	-4828.06
		-4828.06	-2007.27	4.53e-04	0.0	100.0	-534.05	-1620.66	-1.38	1459.66	-1352.91	-3276.24
102	89	3.519e+04	-1279.56	-1.79e-03	-3091.38	0.0	-470.04	1559.42	-1.76	1445.40	-1940.05	-4136.09
		-4136.09	-1940.05	4.42e-04	0.0	100.0	-470.04	-1531.95	-1.76	1445.40	-1279.56	-2762.61
102	91	4.072e+04	-1524.06	-1.95e-03	-3694.63	0.0	-683.40	1866.99	-0.49	1492.94	-2164.14	-6442.65
		-6442.65	-2164.14	4.79e-04	0.0	100.0	-683.40	-1827.63	-0.49	1492.94	-1524.06	-4474.72
102	92	4.117e+04	-1592.14	-1.98e-03	-3694.63	0.0	-729.95	1866.66	0.17	1532.76	-2281.02	-5984.25
		-5984.25	-2281.02	4.91e-04	0.0	100.0	-729.95	-1827.97	0.17	1532.76	-1592.14	-4049.73
102	95	3.995e+04	-1586.87	-1.97e-03	-3513.65	0.0	-712.50	1774.05	0.45	1558.32	-2330.67	-4833.87
		-4833.87	-2330.67	4.93e-04	0.0	100.0	-712.50	-1739.60	0.45	1558.32	-1586.87	-3111.10
102	96	3.530e+04	-1285.97	-1.77e-03	-3091.38	0.0	-464.36	1559.26	-1.19	1461.48	-1994.21	-4018.68
		-4018.68	-1994.21	4.49e-04	0.0	100.0	-464.36	-1532.12	-1.19	1461.48	-1285.97	-2661.54
102	100	3.519e+04	-1279.56	-1.79e-03	-3091.38	0.0	-470.04	1559.42	-1.76	1445.40	-1940.05	-4136.09
		-4136.09	-1940.05	4.42e-04	0.0	100.0	-470.04	-1531.95	-1.76	1445.40	-1279.56	-2762.61
102	101	3.796e+04	-1401.81	-1.87e-03	-3393.00	0.0	-576.72	1713.21	-1.12	1469.17	-2052.09	-5289.37
		-5289.37	-2052.09	4.61e-04	0.0	100.0	-576.72	-1679.79	-1.12	1469.17	-1401.81	-3618.66
102	104	3.703e+04	-1380.14	-1.85e-03	-3272.35	0.0	-552.67	1651.56	-1.11	1475.59	-2054.02	-4644.70
		-4644.70	-2054.02	4.58e-04	0.0	100.0	-552.67	-1620.79	-1.11	1475.59	-1380.14	-3106.24
102	105	3.519e+04	-1279.56	-1.79e-03	-3091.38	0.0	-470.04	1559.42	-1.76	1445.40	-1940.05	-4136.09

		-4136.09	-1940.05	4.42e-04	0.0	100.0	-470.04	-1531.95	-1.76	1445.40	-1279.56	-2762.61
102	106	3.685e+04	-1352.91	-1.84e-03	-3272.35	0.0	-534.05	1651.69	-1.38	1459.66	-2007.27	-4828.06
		-4828.06	-2007.27	4.53e-04	0.0	100.0	-534.05	-1620.66	-1.38	1459.66	-1352.91	-3276.24
103	3	5.376e+04	-1361.66	-2.30e-03	-4596.37	0.0	-995.67	2452.04	24.43	-1937.56	-1361.66	-6234.25
		-6234.25	-2889.02	5.17e-04	0.0	92.0	-995.67	-2144.32	24.43	-1937.56	-2889.02	7920.89
103	4	5.542e+04	-1393.68	-2.39e-03	-4596.37	0.0	-1067.75	2471.84	27.14	-2064.99	-1393.68	-5596.77
		-5596.77	-3107.37	5.34e-04	0.0	92.0	-1067.75	-2124.53	27.14	-2064.99	-3107.37	1.038e+04
103	11	5.524e+04	-1325.85	-2.47e-03	-4346.62	0.0	-1035.14	2370.87	28.96	-2118.08	-1325.85	-4188.83
		-4188.83	-3285.76	5.39e-04	0.0	92.0	-1035.14	-1975.76	28.96	-2118.08	-3285.76	1.399e+04
103	19	3.573e+04	-699.14	-1.66e-03	-2777.47	0.0	-416.36	1520.61	13.60	-987.63	-699.14	-2536.33
		-2536.33	-2205.39	3.71e-04	0.0	92.0	-416.36	-1256.86	13.60	-987.63	-2205.39	9595.92
103	34	4.417e+04	-2118.14	1.35e-03	-3010.56	0.0	-897.07	1699.70	-16.86	-3519.05	-2118.14	-244.92
		-244.92	-6209.78	-1.38e-03	0.0	92.0	-897.07	-1310.86	-16.86	-3519.05	-6209.78	1.812e+04
103	38	4.437e+04	-2333.86	1.47e-03	-3010.56	0.0	-1320.51	1699.69	-13.95	-3519.36	-2333.86	262.22
		262.22	-5994.49	-2.49e-03	0.0	92.0	-1320.51	-1310.87	-13.95	-3519.36	-5994.49	1.810e+04
103	47	3.332e+04	4522.68	-2.79e-03	-3010.56	0.0	3954.77	1641.20	-8.86	3046.79	4522.68	-7796.99
		-7796.99	817.34	5.44e-03	0.0	92.0	3954.77	-1369.36	-8.86	3046.79	817.34	4711.70
103	51	3.326e+04	4511.60	-2.87e-03	-3010.56	0.0	3948.76	1640.69	-8.90	2962.90	4511.60	-7813.21
		-7813.21	837.86	6.48e-03	0.0	92.0	3948.76	-1369.87	-8.90	2962.90	837.86	4622.93
103	52	3.790e+04	-104.13	-1.26e-03	-3010.56	0.0	-5243.60	1586.14	38.69	-2484.31	-1886.84	-475.09
		-475.09	-1886.84	-4.98e-03	0.0	92.0	-5243.60	-1424.42	38.69	-2484.31	-104.13	7023.72
103	53	3.709e+04	3864.26	-2.28e-03	-3010.56	0.0	4332.11	1686.55	-29.13	1940.80	3864.26	-6341.56
		-6341.56	-1619.31	5.77e-03	0.0	92.0	4332.11	-1324.02	-29.13	1940.80	-1619.31	1.028e+04
103	66	4.115e+04	-1768.63	-1.23e-03	-3010.56	0.0	-903.23	1665.95	1.84	-2851.98	-1768.63	-1398.48
		-1398.48	-4523.95	-9.62e-04	0.0	92.0	-903.23	-1344.61	1.84	-2851.98	-4523.95	1.365e+04
103	70	4.126e+04	-1889.57	-1.21e-03	-3010.56	0.0	-1137.42	1665.95	3.44	-2852.78	-1889.57	-1119.05
		-1119.05	-4404.43	-1.57e-03	0.0	92.0	-1137.42	-1344.62	3.44	-2852.78	-4404.43	1.364e+04
103	79	3.432e+04	921.75	-2.30e-03	-3010.56	0.0	2570.46	1633.85	4.55	1038.45	921.75	-6417.67
		-6417.67	-1226.23	4.25e-03	0.0	92.0	2570.46	-1376.71	4.55	1038.45	-1226.23	5414.74
103	80	3.808e+04	-1662.47	-1.39e-03	-3010.56	0.0	-3863.28	1599.87	39.51	-3013.03	-2221.78	-917.17
		-917.17	-2221.78	-4.26e-03	0.0	92.0	-3863.28	-1410.69	39.51	-3013.03	-1662.47	7829.00
103	81	3.635e+04	556.88	-2.08e-03	-3010.56	0.0	2794.47	1658.42	-6.48	385.02	556.88	-5635.32
		-5635.32	-2545.23	5.00e-03	0.0	92.0	2794.47	-1352.14	-6.48	385.02	-2545.23	8409.69
103	83	3.429e+04	914.99	-2.34e-03	-3010.56	0.0	2573.85	1633.57	4.53	991.05	914.99	-6426.13
		-6426.13	-1215.19	4.83e-03	0.0	92.0	2573.85	-1376.99	4.53	991.05	-1215.19	5365.53
103	87	3.598e+04	-765.89	-1.70e-03	-2844.07	0.0	-464.61	1548.64	15.93	-1264.44	-765.89	-2762.61
		-2762.61	-2077.21	3.63e-04	0.0	92.0	-464.61	-1295.43	15.93	-1264.44	-2077.21	8884.85
103	88	3.721e+04	-832.45	-1.71e-03	-3010.56	0.0	-534.41	1629.15	16.52	-1314.01	-832.45	-3276.25
		-3276.25	-2103.85	3.71e-04	0.0	92.0	-534.41	-1381.42	16.52	-1314.01	-2103.85	8119.35
103	91	4.008e+04	-987.77	-1.74e-03	-3399.05	0.0	-697.26	1817.00	17.89	-1429.66	-987.77	-4474.73
		-4474.73	-2166.01	3.89e-04	0.0	92.0	-697.26	-1582.05	17.89	-1429.66	-2166.01	6333.17
103	92	4.119e+04	-1009.11	-1.81e-03	-3399.05	0.0	-745.31	1830.20	19.69	-1514.61	-1009.11	-4049.74
		-4049.74	-2311.58	4.00e-04	0.0	92.0	-745.31	-1568.85	19.69	-1514.61	-2311.58	7972.17
103	95	4.107e+04	-963.89	-1.86e-03	-3232.56	0.0	-723.57	1762.89	20.90	-1550.00	-963.89	-3111.11
		-3111.11	-2430.50	4.03e-04	0.0	92.0	-723.57	-1469.67	20.90	-1550.00	-2430.50	1.038e+04
103	96	3.637e+04	-743.52	-1.69e-03	-2844.07	0.0	-460.91	1554.13	14.90	-1110.55	-743.52	-2661.55
		-2661.55	-2199.63	3.73e-04	0.0	92.0	-460.91	-1289.94	14.90	-1110.55	-2199.63	9490.97
103	100	3.598e+04	-765.89	-1.70e-03	-2844.07	0.0	-464.61	1548.64	15.93	-1264.44	-765.89	-2762.61
		-2762.61	-2077.21	3.63e-04	0.0	92.0	-464.61	-1295.43	15.93	-1264.44	-2077.21	8884.85
103	101	3.803e+04	-876.83	-1.72e-03	-3121.56	0.0	-580.94	1682.82	16.91	-1347.05	-876.83	-3618.67
		-3618.67	-2121.61	3.76e-04	0.0	92.0	-580.94	-1438.74	16.91	-1347.05	-2121.61	7609.01
103	104	3.766e+04	-840.99	-1.74e-03	-3010.56	0.0	-553.63	1634.42	17.24	-1347.99	-840.99	-3106.25
		-3106.25	-2162.08	3.75e-04	0.0	92.0	-553.63	-1376.14	17.24	-1347.99	-2162.08	8774.95
103	105	3.598e+04	-765.89	-1.70e-03	-2844.07	0.0	-464.61	1548.64	15.93	-1264.44	-765.89	-2762.61
		-2762.61	-2077.21	3.63e-04	0.0	92.0	-464.61	-1295.43	15.93	-1264.44	-2077.21	8884.85
103	106	3.721e+04	-832.45	-1.71e-03	-3010.56	0.0	-534.41	1629.15	16.52	-1314.01	-832.45	-3276.25
		-3276.25	-2103.85	3.71e-04	0.0	92.0	-534.41	-1381.42	16.52	-1314.01	-2103.85	8119.35
104	3	7.869e+04	715.65	-3.91e-03	-5895.34	0.0	-1174.60	2879.77	-88.29	3499.71	715.65	-4264.62
		-1.228e+04	-1294.38	7.59e-04	0.0	118.0	-1174.60	-3015.58	-88.29	3499.71	-1294.38	-1.228e+04
104	4	8.013e+04	773.29	-3.94e-03	-5895.34	0.0	-1266.56	2865.07	-95.05	3679.79	773.29	-1955.47
		-1.170e+04	-1336.28	7.82e-04	0.0	118.0	-1266.56	-3030.27	-95.05	3679.79	-1336.28	-1.170e+04
104	5	5.027e+04	605.33	-2.62e-03	-3562.40	0.0	-560.41	1714.67	-64.37	2446.44	605.33	1653.44
		-6196.88	-643.19	5.11e-04	0.0	118.0	-560.41	-1847.73	-64.37	2446.44	-643.19	-6196.88
104	9	7.089e+04	914.10	-3.57e-03	-4827.59	0.0	-1018.43	2294.94	-100.61	3661.91	914.10	6691.13
		-7333.24	-1007.87	7.33e-04	0.0	118.0	-1018.43	-2532.65	-100.61	3661.91	-1007.87	-7333.24
104	32	6.067e+04	-2527.02	-0.01	-3861.37	0.0	-3497.63	1780.03	-60.09	2661.81	-2527.02	1.286e+04
		-6006.26	-2910.11	1.31e-03	0.0	118.0	-3497.63	-2081.34	-60.09	2661.81	-2910.11	-6006.26
104	33	4.697e+04	4629.84	0.01	-3861.37	0.0	2090.25	1950.72	-64.81	1722.70	4629.84	-1.171e+04
		-1.171e+04	2760.32	-2.29e-04	0.0	118.0	2090.25	-1910.65	-64.81	1722.70	2760.32	-8258.07
104	48	5.884e+04	-1951.73	-4.43e-03	-3861.37	0.0	-5499.38	1845.56	-49.60	-4802.29	-3958.45	6888.98
		-3122.07	-3958.45	-8.08e-03	0.0	118.0	-5499.38	-2015.81	-49.60	-4802.29	-1951.73	-3122.07
104	49	4.882e+04	8092.29	3.10e-03	-3861.37	0.0	4369.59	1877.82	-53.98	7478.10	8092.29	-4996.04
		-1.127e+04	5177.05	9.13e-03	0.0	118.0	4369.59	-1983.56	-53.98	7478.10	5177.05	-1.127e+04
104	56	5.734e+04	-1239.22	-9.02e-03	-3861.37	0.0	-2437.18	1822.53	-62.41	2778.86	-1239.22	7001.79
		-6232.07	-2279.57	-2.01e-03	0.0	118.0	-2437.18	-2038.84	-62.41	2778.86	-2279.57	-6232.07
104	76	5.656e+04	-1874.79	-3.19e-03	-3861.37	0.0	-3358.25	1867.42	-60.23	244.31	-1874.79	4517.52
		-5309.71	-2663.08	-2.23e-03	0.0	118.0	-3358.25	-1993.95	-60.23	244.31	-2663.08	-5309.71
104	80	5.653e+04	-2286.97	-3.49e-03	-3861.37	0.0	-4017.07	1861.76	-56.96	-1472.97	-2286.97	3628.30
		-4485.07	-2637.77	-5.75e-03	0.0	118.0	-4017.07	-1999.61	-56.96	-1472.97	-2637.77	-4485.07
104	81	5.059e+04	3474.71	-2.05e-03	-3861.37	0.0	2668.07	1872.59	-75.23	6550.58	3474.71	-2923.04

		-9797.72	1126.82	6.82e-03	0.0	118.0	2668.07	-1988.78	-75.23	6550.58	1126.82	-9797.72
104	87	5.142e+04	610.50	-2.66e-03	-3647.82	0.0	-606.48	1756.09	-65.85	2499.21	610.50	1620.12
		-6382.52	-681.41	5.21e-04	0.0	118.0	-606.48	-1891.73	-65.85	2499.21	-681.41	-6382.52
104	88	5.356e+04	593.87	-2.74e-03	-3861.37	0.0	-674.50	1867.18	-66.09	2538.80	593.87	352.63
		-7141.40	-755.48	5.35e-04	0.0	118.0	-674.50	-1994.20	-66.09	2538.80	-755.48	-7141.40
104	89	5.142e+04	610.50	-2.66e-03	-3647.82	0.0	-606.48	1756.09	-65.85	2499.21	610.50	1620.12
		-6382.52	-681.41	5.21e-04	0.0	118.0	-606.48	-1891.73	-65.85	2499.21	-681.41	-6382.52
104	91	5.855e+04	555.06	-2.93e-03	-4359.66	0.0	-833.21	2126.38	-66.65	2631.18	555.06	-2604.85
		-8912.11	-928.29	5.69e-04	0.0	118.0	-833.21	-2233.28	-66.65	2631.18	-928.29	-8912.11
104	92	5.951e+04	593.48	-2.95e-03	-4359.66	0.0	-894.52	2116.58	-71.16	2751.24	593.48	-1065.41
		-8528.89	-956.23	5.84e-04	0.0	118.0	-894.52	-2243.08	-71.16	2751.24	-956.23	-8528.89
104	93	5.335e+04	687.35	-2.71e-03	-3647.82	0.0	-729.10	1736.50	-74.86	2739.32	687.35	4698.99
		-5616.07	-737.29	5.51e-04	0.0	118.0	-729.10	-1911.33	-74.86	2739.32	-737.29	-5616.07
104	100	5.142e+04	610.50	-2.66e-03	-3647.82	0.0	-606.48	1756.09	-65.85	2499.21	610.50	1620.12
		-6382.52	-681.41	5.21e-04	0.0	118.0	-606.48	-1891.73	-65.85	2499.21	-681.41	-6382.52
104	101	5.499e+04	582.78	-2.80e-03	-4003.74	0.0	-719.85	1941.23	-66.25	2565.20	582.78	-492.37
		-7647.32	-804.85	5.45e-04	0.0	118.0	-719.85	-2062.51	-66.25	2565.20	-804.85	-7647.32
104	102	5.181e+04	625.87	-2.67e-03	-3647.82	0.0	-631.00	1752.17	-67.65	2547.23	625.87	2235.89
		-6229.23	-692.59	5.27e-04	0.0	118.0	-631.00	-1895.65	-67.65	2547.23	-692.59	-6229.23
104	105	5.142e+04	610.50	-2.66e-03	-3647.82	0.0	-606.48	1756.09	-65.85	2499.21	610.50	1620.12
		-6382.52	-681.41	5.21e-04	0.0	118.0	-606.48	-1891.73	-65.85	2499.21	-681.41	-6382.52
104	106	5.356e+04	593.87	-2.74e-03	-3861.37	0.0	-674.50	1867.18	-66.09	2538.80	593.87	352.63
		-7141.40	-755.48	5.35e-04	0.0	118.0	-674.50	-1994.20	-66.09	2538.80	-755.48	-7141.40
105	3	4.858e+04	-2326.63	-1.75e-03	-4988.20	0.0	-570.15	2466.06	-3.82	-636.42	-4587.64	-1.228e+04
		-1.508e+04	-4587.64	6.35e-04	0.0	99.8	-570.15	-2522.13	-3.82	-636.42	-2326.63	-1.508e+04
105	4	4.887e+04	-2492.43	-1.74e-03	-4988.20	0.0	-605.85	2460.41	-4.62	-603.11	-4897.43	-1.170e+04
		-1.507e+04	-4897.43	6.55e-04	0.0	99.8	-605.85	-2527.78	-4.62	-603.11	-2492.43	-1.507e+04
105	5	3.013e+04	-1530.17	-1.24e-03	-3014.24	0.0	-87.92	1481.28	-2.62	-392.46	-3157.92	-6196.88
		-8776.50	-3157.92	4.25e-04	0.0	99.8	-87.92	-1532.96	-2.62	-392.46	-1530.17	-8776.50
105	11	4.682e+04	-2592.55	-1.70e-03	-4717.16	0.0	-530.30	2317.17	-5.41	-533.83	-5122.03	-9989.30
		-1.412e+04	-5122.03	6.56e-04	0.0	99.8	-530.30	-2399.99	-5.41	-533.83	-2592.55	-1.412e+04
105	19	3.021e+04	-1556.55	-1.20e-03	-3014.24	0.0	-75.92	1479.47	-1.46	-470.02	-3279.15	-6030.96
		-8791.62	-3279.15	4.31e-04	0.0	99.8	-75.92	-1534.77	-1.46	-470.02	-1556.55	-8791.62
105	48	3.558e+04	-2773.79	3.44e-03	-3267.20	0.0	-4734.92	1591.88	18.41	-7353.47	-8613.83	-3122.04
		-7276.53	-8613.83	-7.54e-03	0.0	99.8	-4734.92	-1675.32	18.41	-7353.47	-2773.79	-7276.53
105	49	2.904e+04	5755.46	-3.23e-03	-3267.20	0.0	4524.05	1624.34	-16.73	5872.78	5755.46	-1.127e+04
		-1.220e+04	3615.77	8.42e-03	0.0	99.8	4524.05	-1642.86	-16.73	5872.78	3615.77	-1.220e+04
105	51	2.928e+04	7413.61	-4.03e-03	-3267.20	0.0	3897.06	1622.66	-36.80	6878.94	7413.61	-1.095e+04
		-1.203e+04	3227.01	8.04e-03	0.0	99.8	3897.06	-1644.55	-36.80	6878.94	3227.01	-1.203e+04
105	52	3.551e+04	-2781.04	3.25e-03	-3267.20	0.0	-4744.20	1592.22	18.12	-7530.07	-8584.01	-3204.93
		-7317.96	-8584.01	-6.35e-03	0.0	99.8	-4744.20	-1674.98	18.12	-7530.07	-2781.04	-7317.96
105	53	2.910e+04	5725.64	-3.08e-03	-3267.20	0.0	4533.34	1624.00	-16.43	6049.39	5725.64	-1.119e+04
		-1.216e+04	3623.02	7.23e-03	0.0	99.8	4533.34	-1643.21	-16.43	6049.39	3623.02	-1.216e+04
105	54	3.533e+04	-2385.03	4.34e-03	-3267.20	0.0	-4107.92	1593.56	38.49	-8359.63	-1.027e+04	-3437.29
		-7446.93	-1.027e+04	-7.15e-03	0.0	99.8	-4107.92	-1673.64	38.49	-8359.63	-2385.03	-7446.93
105	80	3.456e+04	-3579.05	2.36e-03	-3267.20	0.0	-3383.15	1598.79	15.56	-4989.71	-7035.54	-4485.04
		-7955.68	-7035.54	-5.42e-03	0.0	99.8	-3383.15	-1668.42	15.56	-4989.71	-3579.05	-7955.68
105	81	3.021e+04	433.60	-2.40e-03	-3267.20	0.0	2985.02	1618.31	-21.14	4151.32	433.60	-9797.74
		-1.133e+04	328.10	6.32e-03	0.0	99.8	2985.02	-1648.89	-21.14	4151.32	328.10	-1.133e+04
105	83	3.035e+04	1334.64	-2.73e-03	-3267.20	0.0	2625.92	1617.34	-32.19	4703.57	1334.64	-9616.09
		-1.123e+04	112.39	6.11e-03	0.0	99.8	2625.92	-1649.87	-32.19	4703.57	112.39	-1.123e+04
105	84	3.452e+04	-3583.47	2.25e-03	-3267.20	0.0	-3384.06	1598.98	15.40	-5087.98	-7020.23	-4531.45
		-7979.18	-7020.23	-4.77e-03	0.0	99.8	-3384.06	-1668.23	15.40	-5087.98	-3583.47	-7979.18
105	85	3.025e+04	418.29	-2.33e-03	-3267.20	0.0	2985.94	1618.12	-20.98	4249.59	418.29	-9751.33
		-1.131e+04	332.52	5.66e-03	0.0	99.8	2985.94	-1649.08	-20.98	4249.59	332.52	-1.131e+04
105	86	3.442e+04	-3963.34	2.84e-03	-3267.20	0.0	-3024.04	1599.76	26.61	-5541.96	-7936.58	-4666.70
		-8051.47	-7936.58	-5.22e-03	0.0	99.8	-3024.04	-1667.44	26.61	-5541.96	-3963.34	-8051.47
105	87	3.082e+04	-1581.70	-1.25e-03	-3086.51	0.0	-124.90	1516.82	-2.78	-395.22	-3244.18	-6382.51
		-9022.38	-3244.18	4.34e-04	0.0	99.8	-124.90	-1569.70	-2.78	-395.22	-1581.70	-9022.38
105	88	3.238e+04	-1625.48	-1.27e-03	-3267.20	0.0	-199.06	1608.55	-2.79	-419.20	-3300.97	-7141.39
		-9642.68	-3300.97	4.47e-04	0.0	99.8	-199.06	-1658.65	-2.79	-419.20	-1625.48	-9642.68
105	89	3.082e+04	-1581.70	-1.25e-03	-3086.51	0.0	-124.90	1516.82	-2.78	-395.22	-3244.18	-6382.51
		-9022.38	-3244.18	4.34e-04	0.0	99.8	-124.90	-1569.70	-2.78	-395.22	-1581.70	-9022.38
105	91	3.604e+04	-1727.63	-1.32e-03	-3688.82	0.0	-372.10	1822.59	-2.81	-475.14	-3433.48	-8912.10
		-1.109e+04	-3433.48	4.75e-04	0.0	99.8	-372.10	-1866.22	-2.81	-475.14	-1727.63	-1.109e+04
105	92	3.623e+04	-1838.16	-1.32e-03	-3688.82	0.0	-395.89	1818.83	-3.34	-452.93	-3640.00	-8528.88
		-1.108e+04	-3640.00	4.88e-04	0.0	99.8	-395.89	-1869.99	-3.34	-452.93	-1838.16	-1.108e+04
105	95	3.486e+04	-1904.91	-1.29e-03	-3508.12	0.0	-345.53	1723.33	-3.87	-406.74	-3789.74	-7386.78
		-1.046e+04	-3789.74	4.89e-04	0.0	99.8	-345.53	-1784.79	-3.87	-406.74	-1904.91	-1.046e+04
105	96	3.087e+04	-1599.28	-1.23e-03	-3086.51	0.0	-116.91	1515.61	-2.01	-446.93	-3325.00	-6271.90
		-9032.46	-3325.00	4.38e-04	0.0	99.8	-116.91	-1570.91	-2.01	-446.93	-1599.28	-9032.46
105	100	3.082e+04	-1581.70	-1.25e-03	-3086.51	0.0	-124.90	1516.82	-2.78	-395.22	-3244.18	-6382.51
		-9022.38	-3244.18	4.34e-04	0.0	99.8	-124.90	-1569.70	-2.78	-395.22	-1581.70	-9022.38
105	101	3.343e+04	-1654.66	-1.29e-03	-3387.66	0.0	-248.50	1669.71	-2.79	-435.18	-3338.83	-7647.31
		-1.006e+04	-3338.83	4.55e-04	0.0	99.8	-248.50	-1717.96	-2.79	-435.18	-1654.66	-1.006e+04
105	104	3.246e+04	-1669.69	-1.27e-03	-3267.20	0.0	-208.58	1607.04	-3.00	-410.31	-3383.58	-6988.10
		-9639.77	-3383.58	4.52e-04	0.0	99.8	-208.58	-1660.16	-3.00	-410.31	-1669.69	-9639.77
105	105	3.082e+04	-1581.70	-1.25e-03	-3086.51	0.0	-124.90	1516.82	-2.78	-395.22	-3244.18	-6382.51
		-9022.38	-3244.18	4.34e-04	0.0	99.8	-124.90	-1569.70	-2.78	-395.22	-1581.70	-9022.38
105	106	3.238e+04	-1625.48	-1.27e-03	-3267.20	0.0	-199.06	1608.55	-2.79	-419.20	-3300.97	-7141.39

		-9642.68	-3300.97	4.47e-04	0.0	99.8	-199.06	-1658.65	-2.79	-419.20	-1625.48	-9642.68
106	3	6.117e+04	-3554.98	-2.88e-03	-5487.80	0.0	-145.75	2760.16	45.29	-5135.08	-3554.98	-1.508e+04
		-1.508e+04	-3646.47	5.49e-04	0.0	109.8	-145.75	-2727.64	45.29	-5135.08	-3646.47	-1.329e+04
106	4	6.141e+04	-3766.19	-2.89e-03	-5487.80	0.0	-151.60	2764.39	46.63	-5305.21	-3766.19	-1.507e+04
		-1.507e+04	-3938.91	5.62e-04	0.0	109.8	-151.60	-2723.41	46.63	-5305.21	-3938.91	-1.282e+04
106	5	3.768e+04	-2284.95	-2.02e-03	-3316.14	0.0	-220.97	1674.86	30.83	-3471.61	-2284.95	-8776.50
		-8776.50	-2717.04	3.54e-04	0.0	109.8	-220.97	-1641.27	30.83	-3471.61	-2717.04	-6931.59
106	9	5.146e+04	-3567.87	-2.70e-03	-4493.86	0.0	-205.94	2278.05	44.12	-5017.83	-3567.87	-1.195e+04
		-1.195e+04	-4251.32	5.04e-04	0.0	109.8	-205.94	-2215.81	44.12	-5017.83	-4251.32	-8534.91
106	19	3.774e+04	-2322.56	-1.99e-03	-3316.14	0.0	-238.07	1676.23	31.34	-3498.55	-2322.56	-8791.62
		-8791.62	-2794.35	3.63e-04	0.0	109.8	-238.07	-1639.91	31.34	-3498.55	-2794.35	-6797.13
106	35	3.950e+04	-20.79	-4.58e-03	-3594.44	0.0	-624.98	1805.17	-8.68	230.84	-20.79	-1.015e+04
		-1.015e+04	-5432.12	4.33e-03	0.0	109.8	-624.98	-1789.27	-8.68	230.84	-5432.12	-9554.72
106	49	3.774e+04	-2787.80	-4.90e-03	-3594.44	0.0	-4371.29	1806.51	-10.14	4335.26	-2787.80	-1.220e+04
		-1.220e+04	-3982.68	9.37e-03	0.0	109.8	-4371.29	-1787.93	-10.14	4335.26	-3982.68	-1.102e+04
106	52	4.330e+04	2549.04	4.14e-03	-3594.44	0.0	-3994.88	1820.97	59.98	-1.016e+04	-3422.68	-7317.93
		-7317.93	-3422.68	-7.31e-03	0.0	109.8	-3994.88	-1773.47	59.98	-1.016e+04	2549.04	-4796.15
106	53	3.774e+04	2808.12	-4.76e-03	-3594.44	0.0	-4427.57	1806.49	-9.54	4567.28	2808.12	-1.216e+04
		-1.216e+04	-3919.04	8.04e-03	0.0	109.8	-4427.57	-1787.95	-9.54	4567.28	-3919.04	-1.106e+04
106	54	4.343e+04	3828.51	5.66e-03	-3594.44	0.0	-3592.17	1824.28	75.53	-1.094e+04	-3890.40	-7446.89
		-7446.89	-3890.40	-8.20e-03	0.0	109.8	-3592.17	-1770.16	75.53	-1.094e+04	3828.51	-4396.08
106	81	3.866e+04	-1267.13	-3.74e-03	-3594.44	0.0	-2971.14	1808.02	-4.86	1044.78	-1267.13	-1.133e+04
		-1.133e+04	-5674.69	7.10e-03	0.0	109.8	-2971.14	-1786.42	-4.86	1044.78	-5674.69	-1.006e+04
106	83	3.859e+04	-1000.35	-4.24e-03	-3594.44	0.0	-2774.88	1806.23	-13.11	1596.64	-1000.35	-1.123e+04
		-1.123e+04	-6339.65	6.87e-03	0.0	109.8	-2774.88	-1788.21	-13.11	1596.64	-6339.65	-1.029e+04
106	84	4.250e+04	97.45	2.74e-03	-3594.44	0.0	-2759.01	1818.18	68.92	-8442.66	-3630.15	-7979.15
		-7979.15	-3630.15	-5.62e-03	0.0	109.8	-2759.01	-1776.26	68.92	-8442.66	97.45	-5723.16
106	85	3.866e+04	-1255.73	-3.67e-03	-3594.44	0.0	-2995.05	1808.01	-4.54	1173.42	-1255.73	-1.131e+04
		-1.131e+04	-5640.31	6.37e-03	0.0	109.8	-2995.05	-1786.43	-4.54	1173.42	-5640.31	-1.008e+04
106	86	4.257e+04	796.79	3.57e-03	-3594.44	0.0	-2538.84	1819.96	77.49	-8865.88	-3885.54	-8051.44
		-8051.44	-3885.54	-6.12e-03	0.0	109.8	-2538.84	-1774.48	77.49	-8865.88	796.79	-5512.95
106	87	3.854e+04	-2361.04	-2.04e-03	-3395.65	0.0	-190.70	1714.98	31.42	-3543.12	-2361.04	-9022.38
		-9022.38	-2775.43	3.62e-04	0.0	109.8	-190.70	-1680.67	31.42	-3543.12	-2775.43	-7138.32
106	88	4.058e+04	-2442.94	-2.08e-03	-3594.44	0.0	-118.02	1813.09	32.19	-3634.62	-2442.94	-9642.68
		-9642.68	-2771.43	3.76e-04	0.0	109.8	-118.02	-1781.35	32.19	-3634.62	-2771.43	-7899.18
106	89	3.854e+04	-2361.04	-2.04e-03	-3395.65	0.0	-190.70	1714.98	31.42	-3543.12	-2361.04	-9022.38
		-9022.38	-2775.43	3.62e-04	0.0	109.8	-190.70	-1680.67	31.42	-3543.12	-2775.43	-7138.32
106	91	4.534e+04	-2634.06	-2.18e-03	-4058.28	0.0	-51.56	2042.03	33.99	-3848.13	-2634.06	-1.109e+04
		-1.109e+04	-2762.11	4.09e-04	0.0	109.8	-51.56	-2016.25	33.99	-3848.13	-2762.11	-9674.51
106	92	4.550e+04	-2774.87	-2.19e-03	-4058.28	0.0	-55.46	2044.85	34.89	-3961.56	-2774.87	-1.108e+04
		-1.108e+04	-2957.07	4.17e-04	0.0	109.8	-55.46	-2013.43	34.89	-3961.56	-2957.07	-9357.29
106	93	3.887e+04	-2642.66	-2.06e-03	-3395.65	0.0	-182.90	1720.62	33.21	-3769.97	-2642.66	-9007.79
		-9007.79	-3165.34	3.79e-04	0.0	109.8	-182.90	-1675.03	33.21	-3769.97	-3165.34	-6503.89
106	96	3.858e+04	-2386.11	-2.02e-03	-3395.65	0.0	-202.10	1715.89	31.75	-3561.08	-2386.11	-9032.46
		-9032.46	-2826.97	3.68e-04	0.0	109.8	-202.10	-1679.77	31.75	-3561.08	-2826.97	-7048.68
106	100	3.854e+04	-2361.04	-2.04e-03	-3395.65	0.0	-190.70	1714.98	31.42	-3543.12	-2361.04	-9022.38
		-9022.38	-2775.43	3.62e-04	0.0	109.8	-190.70	-1680.67	31.42	-3543.12	-2775.43	-7138.32
106	101	4.194e+04	-2497.55	-2.11e-03	-3726.96	0.0	-69.57	1878.50	32.70	-3695.62	-2497.55	-1.006e+04
		-1.006e+04	-2768.77	3.85e-04	0.0	109.8	-69.57	-1848.46	32.70	-3695.62	-2768.77	-8406.42
106	102	3.861e+04	-2417.36	-2.05e-03	-3395.65	0.0	-189.14	1716.11	31.78	-3588.49	-2417.36	-9019.46
		-9019.46	-2853.41	3.65e-04	0.0	109.8	-189.14	-1679.54	31.78	-3588.49	-2853.41	-7011.44
106	105	3.854e+04	-2361.04	-2.04e-03	-3395.65	0.0	-190.70	1714.98	31.42	-3543.12	-2361.04	-9022.38
		-9022.38	-2775.43	3.62e-04	0.0	109.8	-190.70	-1680.67	31.42	-3543.12	-2775.43	-7138.32
106	106	4.058e+04	-2442.94	-2.08e-03	-3594.44	0.0	-118.02	1813.09	32.19	-3634.62	-2442.94	-9642.68
		-9642.68	-2771.43	3.76e-04	0.0	109.8	-118.02	-1781.35	32.19	-3634.62	-2771.43	-7899.18
107	3	6.604e+04	8020.73	-3.32e-03	-5486.40	0.0	-408.29	2816.37	207.32	-1.083e+04	-1633.30	-1.329e+04
		-1.329e+04	-1633.30	6.17e-04	0.0	109.8	-408.29	-2670.04	207.32	-1.083e+04	8020.73	-5256.40
107	4	6.731e+04	8285.57	-3.42e-03	-5486.40	0.0	-441.25	2830.93	216.53	-1.120e+04	-1639.39	-1.282e+04
		-1.282e+04	-1639.39	6.36e-04	0.0	109.8	-441.25	-2655.47	216.53	-1.120e+04	8285.57	-3181.24
107	7	5.111e+04	6111.39	-2.52e-03	-4308.98	0.0	-265.53	2203.56	157.28	-8275.93	-1338.32	-1.074e+04
		-1.074e+04	-1338.32	4.72e-04	0.0	109.8	-265.53	-2105.41	157.28	-8275.93	6111.39	-5346.88
107	9	5.993e+04	8127.77	-3.49e-03	-4492.72	0.0	-884.18	2370.18	212.86	-1.066e+04	-702.50	-8534.91
		-8534.91	-702.50	6.07e-04	0.0	109.8	-884.18	-2122.54	212.86	-1.066e+04	8127.77	5061.95
107	11	6.599e+04	8423.62	-3.50e-03	-5188.30	0.0	-597.21	2702.90	221.88	-1.130e+04	-1362.58	-1.120e+04
		-1.120e+04	-1362.58	6.40e-04	0.0	109.8	-597.21	-2485.40	221.88	-1.130e+04	8423.62	744.33
107	32	3.940e+04	7268.68	-3.50e-03	-3593.52	0.0	-1309.69	1760.92	135.78	-7410.13	1814.64	-7962.10
		-1.190e+04	1814.64	1.26e-03	0.0	109.8	-1309.69	-1832.60	135.78	-7410.13	7268.68	-1.190e+04
107	33	5.171e+04	5278.66	-1.80e-03	-3593.52	0.0	-2330.06	1974.23	152.63	-6684.65	-2032.72	-7815.39
		-7815.39	-2032.72	-3.56e-04	0.0	109.8	-2330.06	-1619.30	152.63	-6684.65	5278.66	1.168e+04
107	38	5.114e+04	1343.22	4.75e-03	-3593.52	0.0	-632.10	1940.62	118.06	-9604.10	-2928.84	-6222.74
		-6222.74	-2928.84	-3.41e-03	0.0	109.8	-632.10	-1652.90	118.06	-9604.10	1343.22	9434.41
107	43	4.498e+04	1.562e+04	-6.07e-03	-3593.52	0.0	-2844.76	1896.84	205.79	516.89	2717.65	-1.010e+04
		-1.010e+04	2717.65	3.24e-03	0.0	109.8	-2844.76	-1696.68	205.79	516.89	1.562e+04	1400.75
107	52	4.389e+04	2497.50	4.62e-03	-3593.52	0.0	-2815.11	1784.83	90.56	-9214.59	-269.42	-4796.11
		-6073.41	-269.42	-6.95e-03	0.0	109.8	-2815.11	-1808.69	90.56	-9214.59	2497.50	-6073.41
107	53	4.789e+04	1.221e+04	-6.16e-03	-3593.52	0.0	-3947.78	1965.30	172.47	-1822.86	2818.69	-1.106e+04
		-1.106e+04	2818.69	7.77e-03	0.0	109.8	-3947.78	-1628.22	172.47	-1822.86	1.221e+04	7417.87
107	65	4.835e+04	5655.31	-2.17e-03	-3593.52	0.0	-1704.93	1922.94	162.04	-7453.36	-2401.09	-8009.66
		-8009.66	-2401.09	5.07e-04	0.0	109.8	-1704.93	-1670.58	162.04	-7453.36	5655.31	5853.44
107	75	4.429e+04	1.144e+04	-4.63e-03	-3593.52	0.0	-2281.76	1876.24	215.23	-4249.80	-2238.21	-9540.47

		-9540.47	-2238.21	3.75e-03	0.0	109.8	2281.76	-1717.29	215.23	-4249.80	1.144e+04	-531.24
107	77	4.614e+04	1.041e+04	-3.96e-03	-3593.52	0.0	2624.80	1906.54	211.12	-4684.39	-2935.74	-9330.25
		-9330.25	-2935.74	3.24e-03	0.0	109.8	2624.80	-1686.98	211.12	-4684.39	1.041e+04	2963.60
107	79	4.383e+04	1.059e+04	-5.37e-03	-3593.52	0.0	2588.57	1883.78	201.21	-5692.71	-1470.98	-1.030e+04
		-1.030e+04	-1470.98	6.00e-03	0.0	109.8	2588.57	-1709.75	201.21	-5692.71	1.059e+04	-686.13
107	84	4.460e+04	2131.31	2.96e-03	-3593.52	0.0	-1757.67	1814.76	102.76	-9861.48	845.71	-5723.13
		-5723.13	845.71	-5.35e-03	0.0	109.8	-1757.67	-1778.76	102.76	-9861.48	2131.31	-3729.83
107	85	4.571e+04	9591.52	-4.70e-03	-3593.52	0.0	2892.59	1913.88	197.04	-5535.44	-2166.96	-1.008e+04
		-1.008e+04	-2166.96	6.23e-03	0.0	109.8	2892.59	-1679.64	197.04	-5535.44	9591.52	2769.39
107	87	4.341e+04	5776.89	-2.51e-03	-3394.79	0.0	649.45	1769.26	147.33	-7516.89	-472.03	-7138.33
		-7138.33	-472.03	4.32e-04	0.0	109.8	649.45	-1625.53	147.33	-7516.89	5776.89	753.38
107	88	4.514e+04	5861.42	-2.51e-03	-3593.52	0.0	567.46	1864.32	149.90	-7698.46	-660.63	-7899.18
		-7899.18	-660.63	4.42e-04	0.0	109.8	567.46	-1729.20	149.90	-7698.46	5861.42	-480.22
107	91	4.918e+04	6058.65	-2.53e-03	-4057.24	0.0	376.14	2086.14	155.91	-8122.11	-1100.68	-9674.50
		-9674.50	-1100.68	4.64e-04	0.0	109.8	376.14	-1971.11	155.91	-8122.11	6058.65	-3358.64
107	92	5.003e+04	6235.21	-2.60e-03	-4057.24	0.0	398.12	2095.85	162.05	-8369.63	-1104.74	-9357.29
		-9357.29	-1104.74	4.76e-04	0.0	109.8	398.12	-1961.40	162.05	-8369.63	6235.21	-1975.20
107	93	4.511e+04	6130.01	-2.65e-03	-3394.79	0.0	693.40	1788.68	159.61	-8011.94	-480.15	-6503.90
		-6503.90	-480.15	4.57e-04	0.0	109.8	693.40	-1606.11	159.61	-8011.94	6130.01	3520.26
107	95	4.915e+04	6327.24	-2.65e-03	-3858.51	0.0	502.09	2010.49	165.61	-8435.59	-920.20	-8279.22
		-8279.22	-920.20	4.79e-04	0.0	109.8	502.09	-1848.02	165.61	-8435.59	6327.24	641.85
107	101	4.629e+04	5917.77	-2.52e-03	-3726.01	0.0	512.80	1927.70	151.62	-7819.50	-786.36	-8406.41
		-8406.41	-786.36	4.48e-04	0.0	109.8	512.80	-1798.32	151.62	-7819.50	5917.77	-1302.63
107	102	4.375e+04	5847.51	-2.54e-03	-3394.79	0.0	658.24	1773.14	149.78	-7615.90	-473.66	-7011.44
		-7011.44	-473.66	4.37e-04	0.0	109.8	658.24	-1621.64	149.78	-7615.90	5847.51	1306.76
107	104	4.548e+04	5932.04	-2.54e-03	-3593.52	0.0	576.25	1868.20	152.36	-7797.47	-662.25	-7772.29
		-7772.29	-662.25	4.47e-04	0.0	109.8	576.25	-1725.32	152.36	-7797.47	5932.04	73.15
107	105	4.341e+04	5776.89	-2.51e-03	-3394.79	0.0	649.45	1769.26	147.33	-7516.89	-472.03	-7138.33
		-7138.33	-472.03	4.32e-04	0.0	109.8	649.45	-1625.53	147.33	-7516.89	5776.89	753.38
107	106	4.514e+04	5861.42	-2.51e-03	-3593.52	0.0	567.46	1864.32	149.90	-7698.46	-660.63	-7899.18
		-7899.18	-660.63	4.42e-04	0.0	109.8	567.46	-1729.20	149.90	-7698.46	5861.42	-480.22
108	7	9.742e+04	128.27	-0.06	-2509.60	0.0	-65.97	4471.04	2.87	-2907.78	-231.71	-3.305e+05
		-3.305e+05	-231.71	1.00e-03	0.0	125.5	-65.97	1961.44	2.87	-2907.78	128.27	9.742e+04
108	9	1.609e+05	212.78	-0.10	-4174.87	0.0	-134.54	7292.56	4.70	-5082.97	-376.62	-5.315e+05
		-5.315e+05	-376.62	1.28e-03	0.0	125.5	-134.54	3117.68	4.70	-5082.97	212.78	1.609e+05
108	11	1.606e+05	212.01	-0.10	-4174.87	0.0	-130.65	7296.13	4.68	-5060.87	-375.94	-5.322e+05
		-5.322e+05	-375.94	1.35e-03	0.0	125.5	-130.65	3121.25	4.68	-5060.87	212.01	1.606e+05
108	39	1.777e+05	354.93	-0.04	-2585.32	0.0	-1248.56	4102.18	-1.01	424.72	232.95	-2.016e+05
		-2.016e+05	232.95	-0.02	0.0	125.5	-1248.56	1516.86	-1.01	424.72	354.93	1.777e+05
108	40	5.603e+04	-47.46	-0.10	-2585.32	0.0	1467.94	4869.80	7.49	-7895.79	-660.26	-4.159e+05
		-4.159e+05	-660.26	0.02	0.0	125.5	1467.94	2284.48	7.49	-7895.79	-47.46	5.603e+04
108	41	1.451e+05	313.21	-0.03	-2585.32	0.0	-1615.87	4310.89	-1.57	1821.65	183.04	-2.604e+05
		-2.604e+05	183.04	-0.02	0.0	125.5	-1615.87	1725.57	-1.57	1821.65	313.21	1.451e+05
108	46	2.360e+04	-81.75	-0.10	-2585.32	0.0	1138.80	5081.93	7.42	-6752.83	-714.05	-4.749e+05
		-4.749e+05	-714.05	0.02	0.0	125.5	1138.80	2496.62	7.42	-6752.83	-81.75	2.360e+04
108	71	1.423e+05	249.28	-0.05	-2585.32	0.0	-702.43	4326.71	0.76	-735.20	23.85	-2.644e+05
		-2.644e+05	23.85	-0.01	0.0	125.5	-702.43	1741.40	0.76	-735.20	249.28	1.423e+05
108	72	7.666e+04	38.81	-0.08	-2585.32	0.0	757.69	4739.80	5.46	-6102.76	-473.61	-3.796e+05
		-3.796e+05	-473.61	9.68e-03	0.0	125.5	757.69	2154.48	5.46	-6102.76	38.81	7.666e+04
108	73	1.244e+05	226.75	-0.05	-2585.32	0.0	-904.70	4441.55	0.45	31.35	-3.54	-2.968e+05
		-2.968e+05	-3.54	-7.81e-03	0.0	125.5	-904.70	1856.23	0.45	31.35	226.75	1.244e+05
108	78	5.882e+04	20.49	-0.08	-2585.32	0.0	576.61	4856.51	5.43	-5476.24	-503.13	-4.121e+05
		-4.121e+05	-503.13	0.01	0.0	125.5	576.61	2271.20	5.43	-5476.24	20.49	5.882e+04
108	87	1.006e+05	133.00	-0.07	-2585.32	0.0	-74.62	4589.65	2.96	-3042.02	-238.77	-3.380e+05
		-3.380e+05	-238.77	9.14e-04	0.0	125.5	-74.62	2004.34	2.96	-3042.02	133.00	1.006e+05
108	88	1.005e+05	132.78	-0.07	-2585.32	0.0	-73.50	4590.67	2.96	-3035.71	-238.57	-3.382e+05
		-3.382e+05	-238.57	9.36e-04	0.0	125.5	-73.50	2005.36	2.96	-3035.71	132.78	1.005e+05
108	91	1.003e+05	132.27	-0.07	-2585.32	0.0	-70.91	4593.05	2.95	-3020.97	-238.12	-3.387e+05
		-3.387e+05	-238.12	9.85e-04	0.0	125.5	-70.91	2007.74	2.95	-3020.97	132.27	1.003e+05
108	93	1.188e+05	157.16	-0.08	-3077.48	0.0	-97.58	5391.18	3.47	-3725.80	-278.85	-3.936e+05
		-3.936e+05	-278.85	9.64e-04	0.0	125.5	-97.58	2313.70	3.47	-3725.80	157.16	1.188e+05
108	95	1.186e+05	156.65	-0.08	-3077.48	0.0	-94.99	5393.56	3.47	-3711.07	-278.40	-3.941e+05
		-3.941e+05	-278.40	1.01e-03	0.0	125.5	-94.99	2316.08	3.47	-3711.07	156.65	1.186e+05
108	101	1.005e+05	132.63	-0.07	-2585.32	0.0	-72.76	4591.35	2.96	-3031.50	-238.45	-3.384e+05
		-3.384e+05	-238.45	9.50e-04	0.0	125.5	-72.76	2006.04	2.96	-3031.50	132.63	1.005e+05
108	102	1.042e+05	137.83	-0.07	-2683.75	0.0	-79.21	4749.96	3.06	-3178.78	-246.79	-3.491e+05
		-3.491e+05	-246.79	9.24e-04	0.0	125.5	-79.21	2066.21	3.06	-3178.78	137.83	1.042e+05
108	104	1.042e+05	137.61	-0.07	-2683.75	0.0	-78.10	4750.98	3.06	-3172.46	-246.59	-3.493e+05
		-3.493e+05	-246.59	9.45e-04	0.0	125.5	-78.10	2067.23	3.06	-3172.46	137.61	1.042e+05
108	105	1.006e+05	133.00	-0.07	-2585.32	0.0	-74.62	4589.65	2.96	-3042.02	-238.77	-3.380e+05
		-3.380e+05	-238.77	9.14e-04	0.0	125.5	-74.62	2004.34	2.96	-3042.02	133.00	1.006e+05
108	106	1.005e+05	132.78	-0.07	-2585.32	0.0	-73.50	4590.67	2.96	-3035.71	-238.57	-3.382e+05
		-3.382e+05	-238.57	9.36e-04	0.0	125.5	-73.50	2005.36	2.96	-3035.71	132.78	1.005e+05
109	7	2.430e+05	128.29	-0.03	-1998.79	0.0	-140.71	2277.29	-2.23	-887.25	128.29	1.067e+05
		1.067e+05	-95.05	8.41e-04	0.0	100.0	-140.71	278.50	-2.23	-887.25	-95.05	2.430e+05
109	9	3.948e+05	212.80	-0.05	-3325.10	0.0	-258.12	3709.78	-3.61	-672.57	212.80	1.759e+05
		1.759e+05	-147.66	1.09e-03	0.0	100.0	-258.12	384.68	-3.61	-672.57	-147.66	3.948e+05
109	11	3.949e+05	212.03	-0.05	-3325.10	0.0	-254.45	3712.89	-3.60	-662.51	212.03	1.756e+05
		1.756e+05	-148.20	1.15e-03	0.0	100.0	-254.45	387.79	-3.60	-662.51	-148.20	3.949e+05
109	40	2.291e+05	-47.51	-0.06	-2059.09	0.0	1221.87	2540.84	-16.33	-3814.61	-47.51	8.705e+04

		8.705e+04	-1401.54	0.02	0.0	100.0	1221.87	481.74	-16.33	-3814.61	-1401.54	2.291e+05
109	41	2.700e+05	1208.53	-8.62e-03	-2059.09	0.0	-1523.18	2131.94	11.74	2101.27	313.29	1.330e+05
		1.330e+05	313.29	-0.01	0.0	100.0	-1523.18	72.85	11.74	2101.27	1208.53	2.700e+05
109	42	2.324e+05	-89.25	-0.08	-2059.09	0.0	877.81	2726.08	-13.27	-5055.42	-89.25	7.154e+04
		7.154e+04	-1135.84	0.02	0.0	100.0	877.81	666.99	-13.27	-5055.42	-1135.84	2.324e+05
109	53	2.784e+05	409.74	-0.02	-2059.09	0.0	-981.69	2269.26	2.26	4418.07	272.61	1.236e+05
		1.236e+05	272.61	4.08e-03	0.0	100.0	-981.69	210.17	2.26	4418.07	409.74	2.784e+05
109	72	2.391e+05	38.76	-0.05	-2059.09	0.0	590.82	2446.48	-9.97	-2862.81	38.76	9.808e+04
		9.808e+04	-810.45	7.84e-03	0.0	100.0	590.82	387.39	-9.97	-2862.81	-810.45	2.391e+05
109	73	2.600e+05	617.32	-0.02	-2059.09	0.0	-891.31	2226.88	5.38	1150.07	226.83	1.219e+05
		1.219e+05	226.83	-6.26e-03	0.0	100.0	-891.31	167.79	5.38	1150.07	617.32	2.600e+05
109	74	2.409e+05	16.22	-0.06	-2059.09	0.0	401.40	2548.41	-8.29	-3547.01	16.22	8.955e+04
		8.955e+04	-664.26	9.97e-03	0.0	100.0	401.40	489.32	-8.29	-3547.01	-664.26	2.409e+05
109	85	2.644e+05	205.79	-0.02	-2059.09	0.0	-592.76	2303.55	0.15	2426.06	205.79	1.163e+05
		1.163e+05	177.74	4.04e-03	0.0	100.0	-592.76	244.45	0.15	2426.06	177.74	2.644e+05
109	87	2.495e+05	133.01	-0.03	-2059.09	0.0	-151.29	2335.79	-2.30	-859.25	133.01	1.101e+05
		1.101e+05	-96.42	7.71e-04	0.0	100.0	-151.29	276.70	-2.30	-859.25	-96.42	2.495e+05
109	88	2.495e+05	132.79	-0.03	-2059.09	0.0	-150.24	2336.68	-2.29	-856.37	132.79	1.100e+05
		1.100e+05	-96.57	7.88e-04	0.0	100.0	-150.24	277.59	-2.29	-856.37	-96.57	2.495e+05
109	91	2.496e+05	132.28	-0.03	-2059.09	0.0	-147.79	2338.75	-2.29	-849.66	132.28	1.098e+05
		1.098e+05	-96.92	8.27e-04	0.0	100.0	-147.79	279.66	-2.29	-849.66	-96.92	2.496e+05
109	93	2.921e+05	157.18	-0.04	-2451.08	0.0	-188.70	2742.66	-2.67	-591.21	157.18	1.299e+05
		1.299e+05	-109.88	8.18e-04	0.0	100.0	-188.70	291.58	-2.67	-591.21	-109.88	2.921e+05
109	95	2.921e+05	156.67	-0.04	-2451.08	0.0	-186.25	2744.73	-2.67	-584.50	156.67	1.297e+05
		1.297e+05	-110.23	8.58e-04	0.0	100.0	-186.25	293.66	-2.67	-584.50	-110.23	2.921e+05
109	101	2.495e+05	132.65	-0.03	-2059.09	0.0	-149.54	2337.27	-2.29	-854.45	132.65	1.100e+05
		1.100e+05	-96.67	7.99e-04	0.0	100.0	-149.54	278.18	-2.29	-854.45	-96.67	2.495e+05
109	102	2.580e+05	137.84	-0.03	-2137.49	0.0	-158.77	2417.16	-2.37	-805.64	137.84	1.141e+05
		1.141e+05	-99.11	7.80e-04	0.0	100.0	-158.77	279.67	-2.37	-805.64	-99.11	2.580e+05
109	104	2.580e+05	137.63	-0.03	-2137.49	0.0	-157.72	2418.05	-2.37	-802.76	137.63	1.140e+05
		1.140e+05	-99.26	7.97e-04	0.0	100.0	-157.72	280.56	-2.37	-802.76	-99.26	2.580e+05
109	105	2.495e+05	133.01	-0.03	-2059.09	0.0	-151.29	2335.79	-2.30	-859.25	133.01	1.101e+05
		1.101e+05	-96.42	7.71e-04	0.0	100.0	-151.29	276.70	-2.30	-859.25	-96.42	2.495e+05
109	106	2.495e+05	132.79	-0.03	-2059.09	0.0	-150.24	2336.68	-2.29	-856.37	132.79	1.100e+05
		1.100e+05	-96.57	7.88e-04	0.0	100.0	-150.24	277.59	-2.29	-856.37	-96.57	2.495e+05
110	5	2.507e+05	209.26	0.03	-2185.65	0.0	-133.80	532.33	2.78	2159.05	-94.27	2.444e+05
		1.800e+05	-94.27	8.72e-04	0.0	109.3	-133.80	-1653.32	2.78	2159.05	209.26	1.800e+05
110	7	2.510e+05	212.46	0.03	-2185.65	0.0	-130.13	536.80	2.81	2173.75	-95.03	2.445e+05
		1.806e+05	-95.03	9.64e-04	0.0	109.3	-130.13	-1648.85	2.81	2173.75	212.46	1.806e+05
110	9	4.080e+05	280.75	0.05	-3635.97	0.0	-231.58	878.33	3.92	5309.60	-147.64	3.975e+05
		2.905e+05	-147.64	1.26e-03	0.0	109.3	-231.58	-2757.64	3.92	5309.60	280.75	2.905e+05
110	11	4.082e+05	282.99	0.05	-3635.97	0.0	-229.01	881.46	3.94	5319.89	-148.17	3.976e+05
		2.910e+05	-148.17	1.32e-03	0.0	109.3	-229.01	-2754.51	3.94	5319.89	282.99	2.910e+05
110	18	3.839e+05	320.37	0.04	-3314.49	0.0	-208.06	794.48	4.22	2843.82	-141.20	3.748e+05
		2.753e+05	-141.20	1.30e-03	0.0	109.3	-208.06	-2520.01	4.22	2843.82	320.37	2.753e+05
110	39	2.115e+05	3007.59	0.07	-2251.60	0.0	-945.97	159.08	18.58	7629.31	942.63	2.108e+05
		1.066e+05	942.63	-0.02	0.0	109.3	-945.97	-2092.51	18.58	7629.31	3007.59	1.066e+05
110	40	2.862e+05	-1401.28	-0.01	-2251.60	0.0	875.15	773.78	-3.71	-1257.82	-1401.28	2.742e+05
		2.280e+05	-1762.63	0.02	0.0	109.3	875.15	-1477.81	-3.71	-1257.82	-1762.63	2.280e+05
110	41	2.306e+05	2183.84	0.06	-2251.60	0.0	-1150.92	323.59	9.33	5998.46	1208.31	2.279e+05
		1.417e+05	1208.31	-0.02	0.0	109.3	-1150.92	-1928.00	9.33	5998.46	2183.84	1.417e+05
110	42	3.096e+05	-1135.60	-0.02	-2251.60	0.0	670.19	938.29	-12.96	-2888.67	-1135.60	2.914e+05
		2.630e+05	-2586.38	0.02	0.0	109.3	670.19	-1313.30	-12.96	-2888.67	-2586.38	2.630e+05
110	43	2.110e+05	2994.14	0.07	-2251.60	0.0	-967.13	158.18	18.22	7540.41	988.37	2.103e+05
		1.061e+05	988.37	-0.02	0.0	109.3	-967.13	-2093.42	18.22	7540.41	2994.14	1.061e+05
110	46	3.101e+05	-1181.34	-0.02	-2251.60	0.0	691.35	939.20	-12.60	-2799.76	-1181.34	2.918e+05
		2.635e+05	-2572.93	0.02	0.0	109.3	691.35	-1312.40	-12.60	-2799.76	-2572.93	2.635e+05
110	63	2.320e+05	1333.89	0.05	-2251.60	0.0	-135.65	346.49	12.47	4555.71	-64.16	2.295e+05
		1.419e+05	-64.16	4.53e-04	0.0	109.3	-135.65	-1905.11	12.47	4555.71	1333.89	1.419e+05
110	71	2.321e+05	1746.33	0.05	-2251.60	0.0	-571.46	337.20	11.49	5651.62	471.05	2.295e+05
		1.426e+05	471.05	-8.82e-03	0.0	109.3	-571.46	-1914.40	11.49	5651.62	1746.33	1.426e+05
110	72	2.725e+05	-810.34	9.18e-03	-2251.60	0.0	409.07	670.23	-0.78	-11.60	-810.34	2.633e+05
		2.078e+05	-871.56	8.35e-03	0.0	109.3	409.07	-1581.36	-0.78	-11.60	-871.56	2.078e+05
110	73	2.432e+05	1293.22	0.05	-2251.60	0.0	-684.30	427.72	6.41	4752.89	617.23	2.389e+05
		1.619e+05	617.23	-6.53e-03	0.0	109.3	-684.30	-1823.87	6.41	4752.89	1293.22	1.619e+05
110	74	2.849e+05	-664.15	-6.74e-03	-2251.60	0.0	296.24	760.76	-5.87	-910.33	-664.15	2.727e+05
		2.271e+05	-1324.67	0.01	0.0	109.3	296.24	-1490.84	-5.87	-910.33	-1324.67	2.271e+05
110	78	2.852e+05	-689.30	-8.11e-03	-2251.60	0.0	307.94	761.25	-5.67	-861.63	-689.30	2.730e+05
		2.274e+05	-1317.23	8.85e-03	0.0	109.3	307.94	-1490.34	-5.67	-861.63	-1317.23	2.274e+05
110	87	2.576e+05	210.19	0.03	-2251.60	0.0	-138.35	548.08	2.80	2367.71	-96.40	2.511e+05
		1.847e+05	-96.40	8.89e-04	0.0	109.3	-138.35	-1703.51	2.80	2367.71	210.19	1.847e+05
110	88	2.576e+05	210.83	0.03	-2251.60	0.0	-137.61	548.98	2.81	2370.65	-96.55	2.511e+05
		1.849e+05	-96.55	9.07e-04	0.0	109.3	-137.61	-1702.62	2.81	2370.65	210.83	1.849e+05
110	89	2.576e+05	210.19	0.03	-2251.60	0.0	-138.35	548.08	2.80	2367.71	-96.40	2.511e+05
		1.847e+05	-96.40	8.89e-04	0.0	109.3	-138.35	-1703.51	2.80	2367.71	210.19	1.847e+05
110	91	2.577e+05	212.32	0.03	-2251.60	0.0	-135.90	551.06	2.83	2377.50	-96.91	2.511e+05
		1.852e+05	-96.91	9.50e-04	0.0	109.3	-135.90	-1700.53	2.83	2377.50	212.32	1.852e+05
110	93	3.018e+05	214.57	0.03	-2680.23	0.0	-169.80	648.13	2.97	3716.32	-109.86	2.941e+05
		2.152e+05	-109.86	9.48e-04	0.0	109.3	-169.80	-2032.10	2.97	3716.32	214.57	2.152e+05
110	95	3.019e+05	216.07	0.03	-2680.23	0.0	-168.09	650.22	2.98	3723.18	-110.21	2.941e+05

		2.155e+05	-110.21	9.90e-04	0.0	109.3	-168.09	-2030.01	2.98	3723.18	216.07	2.155e+05
110	99	2.857e+05	240.98	0.03	-2465.91	0.0	-154.12	592.23	3.17	2072.47	-105.56	2.789e+05
		2.050e+05	-105.56	9.75e-04	0.0	109.3	-154.12	-1873.68	3.17	2072.47	240.98	2.050e+05
110	100	2.576e+05	210.19	0.03	-2251.60	0.0	-138.35	548.08	2.80	2367.71	-96.40	2.511e+05
		1.847e+05	-96.40	8.89e-04	0.0	109.3	-138.35	-1703.51	2.80	2367.71	210.19	1.847e+05
110	101	2.576e+05	211.26	0.03	-2251.60	0.0	-137.12	549.57	2.82	2372.61	-96.65	2.511e+05
		1.849e+05	-96.65	9.19e-04	0.0	109.3	-137.12	-1702.02	2.82	2372.61	211.26	1.849e+05
110	102	2.664e+05	211.07	0.03	-2337.32	0.0	-144.64	568.09	2.84	2637.43	-99.09	2.597e+05
		1.908e+05	-99.09	9.00e-04	0.0	109.3	-144.64	-1769.23	2.84	2637.43	211.07	1.908e+05
110	104	2.665e+05	211.71	0.03	-2337.32	0.0	-143.90	568.99	2.84	2640.37	-99.24	2.597e+05
		1.909e+05	-99.24	9.19e-04	0.0	109.3	-143.90	-1768.34	2.84	2640.37	211.71	1.909e+05
110	105	2.576e+05	210.19	0.03	-2251.60	0.0	-138.35	548.08	2.80	2367.71	-96.40	2.511e+05
		1.847e+05	-96.40	8.89e-04	0.0	109.3	-138.35	-1703.51	2.80	2367.71	210.19	1.847e+05
110	106	2.576e+05	210.83	0.03	-2251.60	0.0	-137.61	548.98	2.81	2370.65	-96.55	2.511e+05
		1.849e+05	-96.55	9.07e-04	0.0	109.3	-137.61	-1702.62	2.81	2370.65	210.83	1.849e+05
111	3	6809.43	-3932.64	-6.25e-04	-878.50	0.0	2104.21	422.67	-84.31	1247.23	-3932.64	-3934.89
		-5689.78	-1.241e+04	6.64e-04	0.0	105.8	2104.21	-455.83	-84.31	1247.23	-1.241e+04	-5689.78
111	4	6594.54	-4155.72	-6.15e-04	-878.50	0.0	2184.56	422.03	-88.54	1318.71	-4155.72	-4116.13
		-5938.34	-1.304e+04	6.88e-04	0.0	105.8	2184.56	-456.47	-88.54	1318.71	-1.304e+04	-5938.34
111	5	4671.14	-2297.81	-4.43e-04	-572.64	0.0	1312.77	275.21	-59.35	864.37	-2297.81	-2316.36
		-3492.50	-8270.89	4.49e-04	0.0	105.8	1312.77	-297.43	-59.35	864.37	-8270.89	-3492.50
111	11	6167.22	-4165.90	-5.91e-04	-844.53	0.0	2173.77	404.87	-91.47	1367.43	-4165.90	-4085.01
		-5925.34	-1.334e+04	6.94e-04	0.0	105.8	2173.77	-439.65	-91.47	1367.43	-1.334e+04	-5925.34
111	28	6913.75	3159.38	8.73e-03	-604.35	0.0	2734.59	244.10	-103.66	-6343.91	3159.38	1844.73
		-4625.35	-7106.75	-1.79e-03	0.0	105.8	2734.59	-360.24	-103.66	-6343.91	-7106.75	-4625.35
111	35	188.75	6050.26	-8.69e-03	-604.35	0.0	2008.79	372.84	-117.39	2315.38	6050.26	-1.185e+04
		-1.185e+04	-6300.19	2.51e-03	0.0	105.8	2008.79	-231.50	-117.39	2315.38	-6300.19	-4580.14
111	43	-3390.76	3393.71	-0.02	-604.35	0.0	555.76	527.59	-90.71	7274.74	3393.71	-2.773e+04
		-2.773e+04	-6622.16	2.93e-03	0.0	105.8	555.76	-76.76	-90.71	7274.74	-6622.16	-3911.44
111	46	2.294e+04	-8591.01	0.02	-604.35	0.0	1935.34	53.86	-42.96	-5242.09	-8591.01	2.271e+04
		-3530.58	-1.196e+04	-1.94e-03	0.0	105.8	1935.34	-550.48	-42.96	-5242.09	-1.196e+04	-3530.58
111	49	-2383.94	-368.94	-0.03	-604.35	0.0	-225.50	496.87	-72.40	1.433e+04	-368.94	-2.409e+04
		-2.409e+04	-8759.20	7.14e-03	0.0	105.8	-225.50	-107.47	-72.40	1.433e+04	-8759.20	-3372.12
111	67	2157.18	2220.24	-5.66e-03	-604.35	0.0	1701.45	335.26	-92.62	1905.97	2220.24	-7618.78
		-7618.78	-7211.94	1.96e-03	0.0	105.8	1701.45	-269.08	-92.62	1905.97	-7211.94	-4230.52
111	75	-885.08	837.19	-0.01	-604.35	0.0	823.53	419.32	-78.70	5118.24	837.19	-1.626e+04
		-1.626e+04	-6959.05	3.08e-03	0.0	105.8	823.53	-185.03	-78.70	5118.24	-6959.05	-3888.25
111	78	1.345e+04	-5921.74	0.01	-604.35	0.0	2005.11	161.67	-44.18	-3317.68	-5921.74	1.116e+04
		-3686.96	-1.048e+04	-2.18e-03	0.0	105.8	2005.11	-442.67	-44.18	-3317.68	-1.048e+04	-3686.96
111	80	1.193e+04	-3867.59	0.02	-604.35	0.0	2435.77	178.47	-54.46	-7175.23	-3867.59	9165.25
		-3984.33	-9349.49	-4.49e-03	0.0	105.8	2435.77	-425.87	-54.46	-7175.23	-9349.49	-3984.33
111	81	-57.02	-1216.96	-0.02	-604.35	0.0	392.86	402.52	-68.41	8975.78	-1216.96	-1.427e+04
		-1.427e+04	-8093.70	5.39e-03	0.0	105.8	392.86	-201.83	-68.41	8975.78	-8093.70	-3590.88
111	87	4683.70	-2400.34	-4.44e-04	-581.70	0.0	1353.56	279.48	-60.57	885.10	-2400.34	-2410.17
		-3613.24	-8493.13	4.59e-04	0.0	105.8	1353.56	-302.22	-60.57	885.10	-8493.13	-3613.24
111	88	4825.31	-2542.27	-4.53e-04	-604.35	0.0	1414.32	290.50	-61.44	900.28	-2542.27	-2551.74
		-3787.60	-8721.60	4.70e-04	0.0	105.8	1414.32	-313.85	-61.44	900.28	-8721.60	-3787.60
111	89	4683.70	-2400.34	-4.44e-04	-581.70	0.0	1353.56	279.48	-60.57	885.10	-2400.34	-2410.17
		-3613.24	-8493.13	4.59e-04	0.0	105.8	1353.56	-302.22	-60.57	885.10	-8493.13	-3613.24
111	91	5155.74	-2873.45	-4.75e-04	-657.19	0.0	1556.09	316.19	-63.47	935.68	-2873.45	-2882.08
		-4194.47	-9254.69	4.97e-04	0.0	105.8	1556.09	-340.99	-63.47	935.68	-9254.69	-4194.47
111	92	5012.48	-3022.17	-4.68e-04	-657.19	0.0	1609.66	315.77	-66.29	983.33	-3022.17	-3002.91
		-4360.17	-9679.97	5.13e-04	0.0	105.8	1609.66	-341.42	-66.29	983.33	-9679.97	-4360.17
111	95	4727.60	-3028.95	-4.52e-04	-634.54	0.0	1602.46	304.33	-68.24	1015.81	-3028.95	-2982.16
		-4351.50	-9876.79	5.17e-04	0.0	105.8	1602.46	-330.21	-68.24	1015.81	-9876.79	-4351.50
111	100	4683.70	-2400.34	-4.44e-04	-581.70	0.0	1353.56	279.48	-60.57	885.10	-2400.34	-2410.17
		-3613.24	-8493.13	4.59e-04	0.0	105.8	1353.56	-302.22	-60.57	885.10	-8493.13	-3613.24
111	101	4919.72	-2636.90	-4.60e-04	-619.44	0.0	1454.82	297.84	-62.02	910.39	-2636.90	-2646.12
		-3903.85	-8873.91	4.78e-04	0.0	105.8	1454.82	-321.61	-62.02	910.39	-8873.91	-3903.85
111	104	4768.01	-2601.76	-4.51e-04	-604.35	0.0	1435.74	290.33	-62.57	919.34	-2601.76	-2600.07
		-3853.89	-8891.71	4.76e-04	0.0	105.8	1435.74	-314.02	-62.57	919.34	-8891.71	-3853.89
111	105	4683.70	-2400.34	-4.44e-04	-581.70	0.0	1353.56	279.48	-60.57	885.10	-2400.34	-2410.17
		-3613.24	-8493.13	4.59e-04	0.0	105.8	1353.56	-302.22	-60.57	885.10	-8493.13	-3613.24
111	106	4825.31	-2542.27	-4.53e-04	-604.35	0.0	1414.32	290.50	-61.44	900.28	-2542.27	-2551.74
		-3787.60	-8721.60	4.70e-04	0.0	105.8	1414.32	-313.85	-61.44	900.28	-8721.60	-3787.60
112	3	6601.66	-5952.92	-2.44e-03	-878.50	0.0	3108.27	451.90	48.68	593.50	-1.200e+04	-5689.81
		-5689.81	-1.200e+04	5.47e-04	0.0	105.8	3108.27	-426.59	48.68	593.50	-5952.92	-4350.42
112	4	6380.75	-6259.67	-2.52e-03	-878.50	0.0	3230.82	452.43	51.53	587.87	-1.263e+04	-5938.36
		-5938.36	-1.263e+04	5.70e-04	0.0	105.8	3230.82	-426.07	51.53	587.87	-6259.67	-4543.69
112	5	4527.55	-3663.54	-1.66e-03	-572.64	0.0	1995.16	294.72	34.85	422.68	-7990.58	-3492.52
		-3492.52	-7990.58	3.76e-04	0.0	105.8	1995.16	-277.92	34.85	422.68	-3663.54	-2603.52
112	11	5952.04	-6301.49	-2.55e-03	-844.53	0.0	3237.64	435.59	53.87	570.41	-1.292e+04	-5925.37
		-5925.37	-1.292e+04	5.80e-04	0.0	105.8	3237.64	-408.94	53.87	570.41	-6301.49	-4515.34
112	40	-3535.41	-5665.10	0.02	-604.35	0.0	606.44	73.85	48.75	-6153.01	-1.044e+04	-4027.56
		-2.807e+04	-1.044e+04	-4.61e-03	0.0	105.8	606.44	-530.50	48.75	-6153.01	-5665.10	-2.807e+04
112	41	2.273e+04	-2717.94	-0.02	-604.35	0.0	3242.37	547.84	31.14	6768.18	-7561.28	-3414.50
		-3414.50	-7561.28	5.26e-03	0.0	105.8	3242.37	-56.51	31.14	6768.18	-2717.94	2.247e+04
112	48	-3321.26	-1934.50	0.03	-604.35	0.0	523.02	93.34	66.74	-1.184e+04	-1.112e+04	-4069.70
		-2.606e+04	-1.112e+04	-7.10e-03	0.0	105.8	523.02	-511.00	66.74	-1.184e+04	-1934.50	-2.606e+04
112	51	1.982e+04	-6584.11	-0.03	-604.35	0.0	3944.77	518.98	18.12	1.444e+04	-7428.69	-3869.42

		-3869.42	-7428.69	7.88e-03	0.0	105.8	3944.77	-85.37	18.12	1.444e+04	-6584.11	1.921e+04
112	54	-2684.41	-1798.93	0.03	-604.35	0.0	-95.96	102.71	61.77	-1.382e+04	-1.057e+04	-3572.64
		-2.482e+04	-1.057e+04	-7.23e-03	0.0	105.8	-95.96	-501.64	61.77	-1.382e+04	-1.798.93	-2.482e+04
112	72	-1039.28	-5016.26	0.01	-604.35	0.0	1654.96	182.15	52.08	-4069.53	-9916.08	-3960.90
		-1.660e+04	-9916.08	-3.70e-03	0.0	105.8	1654.96	-422.19	52.08	-4069.53	-5016.26	-1.660e+04
112	73	1.327e+04	-2931.21	-0.01	-604.35	0.0	2601.67	439.91	19.75	4934.65	-6946.34	-3614.35
		-3614.35	-6946.34	4.43e-03	0.0	105.8	2601.67	-164.44	19.75	4934.65	-2931.21	1.090e+04
112	77	1.324e+04	-2874.79	-0.01	-604.35	0.0	2591.43	439.81	20.37	5085.89	-6982.46	-3611.62
		-3611.62	-6982.46	4.38e-03	0.0	105.8	2591.43	-164.53	20.37	5085.89	-2874.79	1.086e+04
112	80	-710.67	-3012.09	0.02	-604.35	0.0	1608.52	192.86	62.02	-7200.73	-1.030e+04	-3984.19
		-1.550e+04	-1.030e+04	-5.06e-03	0.0	105.8	1608.52	-411.49	62.02	-7200.73	-3012.09	-1.550e+04
112	83	1.193e+04	-5040.05	-0.02	-604.35	0.0	2991.15	424.09	12.35	9164.14	-6890.25	-3865.07
		-3865.07	-6890.25	5.88e-03	0.0	105.8	2991.15	-180.25	12.35	9164.14	-5040.05	9112.23
112	86	-308.89	-2907.42	0.02	-604.35	0.0	1265.48	197.97	59.48	-8299.01	-9972.17	-3710.18
		-1.481e+04	-9972.17	-5.15e-03	0.0	105.8	1265.48	-406.37	59.48	-8299.01	-2907.42	-1.481e+04
112	87	4537.64	-3797.11	-1.69e-03	-581.70	0.0	2051.16	299.46	35.57	424.68	-8207.81	-3613.25
		-3613.25	-8207.81	3.84e-04	0.0	105.8	2051.16	-282.24	35.57	424.68	-3797.11	-2702.27
112	88	4676.17	-3973.73	-1.73e-03	-604.35	0.0	2128.31	311.03	35.91	432.56	-8431.21	-3787.62
		-3787.62	-8431.21	3.92e-04	0.0	105.8	2128.31	-293.31	35.91	432.56	-3973.73	-2850.01
112	89	4537.64	-3797.11	-1.69e-03	-581.70	0.0	2051.16	299.46	35.57	424.68	-8207.81	-3613.25
		-3613.25	-8207.81	3.84e-04	0.0	105.8	2051.16	-282.24	35.57	424.68	-3797.11	-2702.27
112	91	4999.40	-4385.85	-1.83e-03	-657.19	0.0	2308.34	338.04	36.71	450.96	-8952.47	-4194.48
		-4194.48	-8952.47	4.11e-04	0.0	105.8	2308.34	-319.15	36.71	450.96	-4385.85	-3194.75
112	92	4852.12	-4590.35	-1.89e-03	-657.19	0.0	2390.03	338.39	38.62	447.21	-9368.06	-4360.19
		-4360.19	-9368.06	4.26e-04	0.0	105.8	2390.03	-318.80	38.62	447.21	-4590.35	-3323.60
112	95	4566.32	-4618.23	-1.90e-03	-634.54	0.0	2394.58	327.16	40.18	435.57	-9560.26	-4351.52
		-4351.52	-9560.26	4.33e-04	0.0	105.8	2394.58	-307.38	40.18	435.57	-4618.23	-3304.70
112	100	4537.64	-3797.11	-1.69e-03	-581.70	0.0	2051.16	299.46	35.57	424.68	-8207.81	-3613.25
		-3613.25	-8207.81	3.84e-04	0.0	105.8	2051.16	-282.24	35.57	424.68	-3797.11	-2702.27
112	101	4768.52	-4091.48	-1.76e-03	-619.44	0.0	2179.75	318.75	36.14	437.82	-8580.14	-3903.87
		-3903.87	-8580.14	3.97e-04	0.0	105.8	2179.75	-300.69	36.14	437.82	-4091.48	-2948.51
112	104	4617.26	-4055.53	-1.76e-03	-604.35	0.0	2160.99	311.17	36.68	431.06	-8597.45	-3853.90
		-3853.90	-8597.45	3.98e-04	0.0	105.8	2160.99	-293.17	36.68	431.06	-4055.53	-2901.55
112	105	4537.64	-3797.11	-1.69e-03	-581.70	0.0	2051.16	299.46	35.57	424.68	-8207.81	-3613.25
		-3613.25	-8207.81	3.84e-04	0.0	105.8	2051.16	-282.24	35.57	424.68	-3797.11	-2702.27
112	106	4676.17	-3973.73	-1.73e-03	-604.35	0.0	2128.31	311.03	35.91	432.56	-8431.21	-3787.62
		-3787.62	-8431.21	3.92e-04	0.0	105.8	2128.31	-293.31	35.91	432.56	-3973.73	-2850.01
113	4	1.625e+04	-4088.22	-4.36e-03	-760.90	0.0	2527.52	587.86	14.46	1040.19	-6265.68	-4543.75
		-4543.75	-6265.68	7.22e-04	0.0	91.7	2527.52	-173.04	14.46	1040.19	-4088.22	1.447e+04
113	5	1.103e+04	-2509.44	-2.85e-03	-495.99	0.0	1547.35	384.27	5.38	787.00	-3628.91	-2603.56
		-2603.56	-3628.91	5.12e-04	0.0	91.7	1547.35	-111.72	5.38	787.00	-2509.44	9888.20
113	11	1.673e+04	-4194.95	-4.46e-03	-731.48	0.0	2528.83	582.43	14.71	943.01	-6328.32	-4515.40
		-4515.40	-6328.32	7.50e-04	0.0	91.7	2528.83	-149.04	14.71	943.01	-4194.95	1.535e+04
113	39	2.116e+04	1.195e+04	-0.02	-523.45	0.0	7865.76	-606.18	174.07	1.433e+04	-1625.20	2.116e+04
		-6.042e+04	-1625.20	3.56e-03	0.0	91.7	7865.76	-1129.63	174.07	1.433e+04	1.195e+04	-6.042e+04
113	42	7.961e+04	-6858.35	0.01	-523.45	0.0	-4920.77	1400.10	-142.71	-1.326e+04	-6858.35	-2.677e+04
		-2.677e+04	-1.644e+04	-2.66e-03	0.0	91.7	-4920.77	876.66	-142.71	-1.326e+04	-1.644e+04	7.961e+04
113	43	2.122e+04	1.193e+04	-0.02	-523.45	0.0	7920.87	-604.03	172.81	1.455e+04	-1603.37	2.122e+04
		-6.072e+04	-1603.37	3.61e-03	0.0	91.7	7920.87	-1127.48	172.81	1.455e+04	1.193e+04	-6.072e+04
113	46	7.991e+04	-6880.17	0.01	-523.45	0.0	-4975.87	1397.96	-141.46	-1.349e+04	-6880.17	-2.683e+04
		-2.683e+04	-1.642e+04	-2.71e-03	0.0	91.7	-4975.87	874.51	-141.46	-1.349e+04	-1.642e+04	7.991e+04
113	71	1.018e+04	3816.86	-0.01	-523.45	0.0	5080.98	-153.79	65.80	9347.93	-1871.59	1.018e+04
		-2.902e+04	-1871.59	3.49e-03	0.0	91.7	5080.98	-677.24	65.80	9347.93	3816.86	-2.902e+04
113	74	4.930e+04	-6023.72	6.57e-03	-523.45	0.0	-1769.74	960.57	-51.96	-7746.51	-6023.72	-1.588e+04
		-1.588e+04	-9160.59	-2.45e-03	0.0	91.7	-1769.74	437.12	-51.96	-7746.51	-9160.59	4.930e+04
113	75	1.021e+04	3805.85	-0.01	-523.45	0.0	5110.97	-152.71	65.01	9470.84	-1860.52	1.021e+04
		-2.918e+04	-1860.52	3.52e-03	0.0	91.7	5110.97	-676.15	65.01	9470.84	3805.85	-2.918e+04
113	78	4.945e+04	-6034.80	6.52e-03	-523.45	0.0	-1799.73	959.48	-51.17	-7869.42	-6034.80	-1.592e+04
		-1.592e+04	-9149.58	-2.48e-03	0.0	91.7	-1799.73	436.04	-51.17	-7869.42	-9149.58	4.945e+04
113	87	1.123e+04	-2589.57	-2.92e-03	-503.83	0.0	1592.37	391.54	6.05	781.01	-3768.53	-2702.31
		-2702.31	-3768.53	5.19e-04	0.0	91.7	1592.37	-112.29	6.05	781.01	-2589.57	1.010e+04
113	88	1.139e+04	-2671.86	-2.98e-03	-523.45	0.0	1655.62	403.39	6.92	800.71	-3947.66	-2850.05
		-2850.05	-3947.66	5.21e-04	0.0	91.7	1655.62	-120.06	6.92	800.71	-2671.86	1.014e+04
113	89	1.123e+04	-2589.57	-2.92e-03	-503.83	0.0	1592.37	391.54	6.05	781.01	-3768.53	-2702.31
		-2702.31	-3768.53	5.19e-04	0.0	91.7	1592.37	-112.29	6.05	781.01	-2589.57	1.010e+04
113	92	1.220e+04	-3017.33	-3.26e-03	-569.21	0.0	1867.31	439.27	10.00	801.59	-4586.51	-3323.64
		-3323.64	-4586.51	5.46e-04	0.0	91.7	1867.31	-129.95	10.00	801.59	-3017.33	1.085e+04
113	95	1.251e+04	-3088.48	-3.32e-03	-549.60	0.0	1868.18	435.65	10.17	736.80	-4628.27	-3304.75
		-3304.75	-4628.27	5.64e-04	0.0	91.7	1868.18	-113.95	10.17	736.80	-3088.48	1.144e+04
113	100	1.123e+04	-2589.57	-2.92e-03	-503.83	0.0	1592.37	391.54	6.05	781.01	-3768.53	-2702.31
		-2702.31	-3768.53	5.19e-04	0.0	91.7	1592.37	-112.29	6.05	781.01	-2589.57	1.010e+04
113	101	1.150e+04	-2726.73	-3.02e-03	-536.52	0.0	1697.79	411.29	7.50	813.84	-4067.08	-2948.55
		-2948.55	-4067.08	5.22e-04	0.0	91.7	1697.79	-125.24	7.50	813.84	-2726.73	1.016e+04
113	104	1.156e+04	-2733.24	-3.03e-03	-523.45	0.0	1681.27	406.68	7.34	782.68	-4036.01	-2901.59
		-2901.59	-4036.01	5.29e-04	0.0	91.7	1681.27	-116.77	7.34	782.68	-2733.24	1.039e+04
113	105	1.123e+04	-2589.57	-2.92e-03	-503.83	0.0	1592.37	391.54	6.05	781.01	-3768.53	-2702.31
		-2702.31	-3768.53	5.19e-04	0.0	91.7	1592.37	-112.29	6.05	781.01	-2589.57	1.010e+04
113	106	1.139e+04	-2671.86	-2.98e-03	-523.45	0.0	1655.62	403.39	6.92	800.71	-3947.66	-2850.05
		-2850.05	-3947.66	5.21e-04	0.0	91.7	1655.62	-120.06	6.92	800.71	-2671.86	1.014e+04
114	11	4.887e+04	3665.79	-0.01	-627.18	0.0	94.14	1243.61	-39.62	-2453.00	3665.79	-4.316e+04

		-4.316e+04	34.04	1.18e-03	0.0	91.7	94.14	616.43	-39.62	-2453.00	34.04	4.887e+04
114	16	4.835e+04	3241.08	-0.01	-594.91	0.0	33.54	1292.42	-35.69	-3871.83	3241.08	-5.080e+04
		-5.080e+04	-30.03	1.10e-03	0.0	91.7	33.54	697.51	-35.69	-3871.83	-30.03	4.835e+04
114	18	5.003e+04	3275.40	-0.01	-594.91	0.0	50.36	1280.09	-35.97	-3872.60	3275.40	-4.791e+04
		-4.791e+04	-21.61	1.17e-03	0.0	91.7	50.36	685.18	-35.97	-3872.60	-21.61	5.003e+04
114	19	3.583e+04	2103.07	-8.41e-03	-421.10	0.0	-8.81	957.39	-23.54	-3391.94	2103.07	-3.888e+04
		-3.888e+04	-55.20	8.14e-04	0.0	91.7	-8.81	536.29	-23.54	-3391.94	-55.20	3.583e+04
114	23	1.789e+04	778.90	-7.19e-03	-427.72	0.0	-139.05	960.95	31.89	-4554.79	-2324.60	-5.559e+04
		-5.559e+04	-2324.60	2.50e-03	0.0	91.7	-139.05	533.24	31.89	-4554.79	778.90	1.789e+04
114	26	5.040e+04	6815.61	-7.50e-03	-427.72	0.0	184.78	787.28	-81.14	481.18	6815.61	-7176.69
		-7176.69	-802.75	-8.07e-04	0.0	91.7	184.78	359.57	-81.14	481.18	-802.75	5.040e+04
114	48	-1.818e+05	-82.36	7.88e-03	-427.72	0.0	-1413.87	1847.09	-0.25	-251.86	-82.36	-3.354e+05
		-3.354e+05	-261.26	-4.67e-03	0.0	91.7	-1413.87	1419.38	-0.25	-251.86	-261.26	-1.818e+05
114	49	2.713e+05	4561.47	-0.02	-427.72	0.0	1458.17	-93.77	-48.88	-3831.85	4561.47	2.713e+05
		2.492e+05	236.74	6.31e-03	0.0	91.7	1458.17	-521.48	-48.88	-3831.85	236.74	2.492e+05
114	58	4.069e+04	4730.48	-7.19e-03	-427.72	0.0	107.46	846.47	-55.44	-731.86	4730.48	-2.244e+04
		-2.244e+04	-450.07	-5.09e-04	0.0	91.7	107.46	418.75	-55.44	-731.86	-450.07	4.069e+04
114	62	2.745e+04	4216.13	-5.89e-03	-427.72	0.0	42.61	911.66	-50.68	-1194.29	4216.13	-4.167e+04
		-4.167e+04	-473.08	-2.11e-04	0.0	91.7	42.61	483.94	-50.68	-1194.29	-473.08	2.745e+04
114	80	-9.237e+04	880.11	3.29e-03	-427.72	0.0	-782.07	1472.79	-10.50	-1267.30	880.11	-2.127e+05
		-2.127e+05	-162.47	-3.56e-03	0.0	91.7	-782.07	1045.07	-10.50	-1267.30	-162.47	-9.237e+04
114	81	1.618e+05	3617.42	-0.01	-427.72	0.0	828.26	275.07	-38.82	-2829.98	3617.42	1.501e+05
		1.501e+05	139.11	5.22e-03	0.0	91.7	828.26	-152.65	-38.82	-2829.98	139.11	1.608e+05
114	87	3.372e+04	2238.96	-7.40e-03	-427.72	0.0	18.29	877.45	-24.58	-2048.42	2238.96	-3.214e+04
		-3.214e+04	-14.08	8.06e-04	0.0	91.7	18.29	449.73	-24.58	-2048.42	-14.08	3.372e+04
114	88	3.420e+04	2248.77	-7.37e-03	-427.72	0.0	23.09	873.93	-24.66	-2048.64	2248.77	-3.131e+04
		-3.131e+04	-11.68	8.26e-04	0.0	91.7	23.09	446.21	-24.66	-2048.64	-11.68	3.420e+04
114	95	3.675e+04	2695.31	-7.77e-03	-470.73	0.0	60.72	939.77	-29.21	-1921.47	2695.31	-3.299e+04
		-3.299e+04	17.51	8.84e-04	0.0	91.7	60.72	469.04	-29.21	-1921.47	17.51	3.675e+04
114	96	3.545e+04	2195.44	-8.11e-03	-427.72	0.0	4.71	937.04	-24.37	-2931.08	2195.44	-3.670e+04
		-3.670e+04	-38.19	8.20e-04	0.0	91.7	4.71	509.32	-24.37	-2931.08	-38.19	3.545e+04
114	97	3.641e+04	2412.17	-8.33e-03	-449.22	0.0	20.31	972.31	-26.59	-2867.35	2412.17	-3.809e+04
		-3.809e+04	-25.20	8.35e-04	0.0	91.7	20.31	523.08	-26.59	-2867.35	-25.20	3.641e+04
114	99	3.753e+04	2435.06	-8.25e-03	-449.22	0.0	31.53	964.09	-26.78	-2867.87	2435.06	-3.616e+04
		-3.616e+04	-19.59	8.82e-04	0.0	91.7	31.53	514.87	-26.78	-2867.87	-19.59	3.753e+04
114	100	3.372e+04	2238.96	-7.40e-03	-427.72	0.0	18.29	877.45	-24.58	-2048.42	2238.96	-3.214e+04
		-3.214e+04	-14.08	8.06e-04	0.0	91.7	18.29	449.73	-24.58	-2048.42	-14.08	3.372e+04
114	102	3.410e+04	2325.65	-7.49e-03	-436.32	0.0	24.53	891.56	-25.47	-2022.92	2325.65	-3.270e+04
		-3.270e+04	-8.88	8.12e-04	0.0	91.7	24.53	455.24	-25.47	-2022.92	-8.88	3.410e+04
114	104	3.458e+04	2335.46	-7.45e-03	-436.32	0.0	29.33	888.03	-25.55	-2023.14	2335.46	-3.187e+04
		-3.187e+04	-6.48	8.32e-04	0.0	91.7	29.33	451.72	-25.55	-2023.14	-6.48	3.458e+04
114	105	3.372e+04	2238.96	-7.40e-03	-427.72	0.0	18.29	877.45	-24.58	-2048.42	2238.96	-3.214e+04
		-3.214e+04	-14.08	8.06e-04	0.0	91.7	18.29	449.73	-24.58	-2048.42	-14.08	3.372e+04
114	106	3.420e+04	2248.77	-7.37e-03	-427.72	0.0	23.09	873.93	-24.66	-2048.64	2248.77	-3.131e+04
		-3.131e+04	-11.68	8.26e-04	0.0	91.7	23.09	446.21	-24.66	-2048.64	-11.68	3.420e+04
115	5	-2047.03	2052.92	-4.64e-03	-551.26	0.0	950.94	1167.98	-251.56	3.286e+04	2052.92	-9.333e+04
		-9.333e+04	-8979.32	1.36e-03	0.0	120.0	950.94	616.72	-251.56	3.286e+04	-8979.32	-2047.03
115	9	1587.31	2997.32	-7.11e-03	-821.04	0.0	1456.27	1752.27	-401.51	5.252e+04	2997.32	-1.340e+05
		-1.340e+05	-1.463e+04	2.01e-03	0.0	120.0	1456.27	931.24	-401.51	5.252e+04	-1.463e+04	1587.31
115	11	1425.10	3036.22	-7.29e-03	-821.04	0.0	1484.46	1772.28	-403.75	5.286e+04	3036.22	-1.365e+05
		-1.365e+05	-1.469e+04	2.10e-03	0.0	120.0	1484.46	951.24	-403.75	5.286e+04	-1.469e+04	1425.10
115	18	-4715.76	3211.29	-6.94e-03	-778.80	0.0	1467.38	1725.15	-388.56	5.084e+04	3211.29	-1.401e+05
		-1.401e+05	-1.384e+04	2.04e-03	0.0	120.0	1467.38	946.35	-388.56	5.084e+04	-1.384e+04	-4715.76
115	37	-1.181e+04	1293.05	-0.03	-559.92	0.0	986.70	1821.54	-304.18	7.972e+04	1293.05	-1.945e+05
		-1.945e+05	-1.575e+04	2.83e-03	0.0	120.0	986.70	1261.62	-304.18	7.972e+04	-1.575e+04	-1.181e+04
115	44	4.977e+04	3137.22	0.02	-559.92	0.0	853.76	489.00	-237.89	1.487e+04	3137.22	3.799e+04
		3.799e+04	-6104.02	0.02	0.0	120.0	853.76	-70.93	-237.89	1.487e+04	-6104.02	4.424e+04
115	47	-8.714e+04	2281.24	-0.08	-559.92	0.0	622.75	2187.44	-255.84	2.896e+04	2281.24	-2.896e+05
		-2.896e+05	-9480.89	6.36e-03	0.0	120.0	622.75	1627.52	-255.84	2.896e+04	-9480.89	-8.714e+04
115	48	1.371e+05	2347.80	0.08	-559.92	0.0	1258.38	-50.47	-233.72	1.283e+04	2347.80	1.371e+05
		7.371e+04	-5450.10	-3.86e-03	0.0	120.0	1258.38	-610.39	-233.72	1.283e+04	-5450.10	7.371e+04
115	49	-7.584e+04	1813.97	-0.09	-559.92	0.0	689.13	2442.28	-281.42	5.458e+04	1813.97	-3.268e+05
		-3.268e+05	-1.300e+04	6.54e-03	0.0	120.0	689.13	1882.36	-281.42	5.458e+04	-1.300e+04	-7.584e+04
115	50	1.025e+05	1880.53	0.07	-559.92	0.0	1324.75	204.37	-259.31	3.845e+04	1880.53	9.994e+04
		8.501e+04	-8972.03	-3.68e-03	0.0	120.0	1324.75	-355.55	-259.31	3.845e+04	-8972.03	8.501e+04
115	64	-1345.45	2617.82	1.23e-03	-559.92	0.0	887.65	900.27	-233.34	8976.70	2617.82	-5.173e+04
		-5.173e+04	-5830.79	3.88e-03	0.0	120.0	887.65	340.35	-233.34	8976.70	-5830.79	-1345.45
115	69	-7283.26	1700.54	-0.02	-559.92	0.0	1005.15	1572.04	-284.53	5.901e+04	1700.54	-1.539e+05
		-1.539e+05	-1.277e+04	2.64e-03	0.0	120.0	1005.15	1012.12	-284.53	5.901e+04	-1.277e+04	-7283.26
115	72	2.239e+04	2540.22	0.02	-559.92	0.0	837.69	669.94	-245.67	2.363e+04	2540.22	-3845.12
		-3845.12	-7695.43	9.38e-03	0.0	120.0	837.69	110.02	-245.67	2.363e+04	-7695.43	2.194e+04
115	73	-2.545e+04	1649.57	-0.02	-559.92	0.0	1122.04	1719.97	-271.50	4.397e+04	1649.57	-1.868e+05
		-1.868e+05	-1.080e+04	-6.68e-03	0.0	120.0	1122.04	1160.05	-271.50	4.397e+04	-1.080e+04	-2.545e+04
115	80	5.145e+04	2111.64	0.04	-559.92	0.0	1060.74	395.29	-243.37	2.236e+04	2111.64	4.632e+04
		3.899e+04	-7327.50	-3.30e-03	0.0	120.0	1060.74	-164.63	-243.37	2.236e+04	-7327.50	3.899e+04
115	81	-4.251e+04	2078.15	-0.05	-559.92	0.0	898.98	1994.63	-273.80	4.525e+04	2078.15	-2.369e+05
		-2.369e+05	-1.116e+04	6.00e-03	0.0	120.0	898.98	1434.70	-273.80	4.525e+04	-1.116e+04	-4.251e+04
115	87	-1709.46	2083.78	-4.74e-03	-559.92	0.0	971.81	1189.24	-257.95	3.371e+04	2083.78	-9.461e+04
		-9.461e+04	-9230.01	1.39e-03	0.0	120.0	971.81	629.32	-257.95	3.371e+04	-9230.01	-1709.46
115	88	-1755.81	2094.89	-4.79e-03	-559.92	0.0	979.86	1194.96	-258.59	3.380e+04	2094.89	-9.531e+04

		-9.531e+04	-9245.25	1.41e-03	0.0	120.0	979.86	635.03	-258.59	3.380e+04	-9245.25	-1755.81
115	89	-1709.46	2083.78	-4.74e-03	-559.92	0.0	971.81	1189.24	-257.95	3.371e+04	2083.78	-9.461e+04
		-9.461e+04	-9230.01	1.39e-03	0.0	120.0	971.81	629.32	-257.95	3.371e+04	-9230.01	-1709.46
115	93	605.24	2255.47	-5.30e-03	-616.24	0.0	1086.51	1312.57	-297.81	3.894e+04	2255.47	-1.011e+05
		-1.011e+05	-1.082e+04	1.51e-03	0.0	120.0	1086.51	696.34	-297.81	3.894e+04	-1.082e+04	605.24
115	95	497.09	2281.41	-5.42e-03	-616.24	0.0	1105.30	1325.91	-299.30	3.917e+04	2281.41	-1.027e+05
		-1.027e+05	-1.086e+04	1.56e-03	0.0	120.0	1105.30	709.67	-299.30	3.917e+04	-1.086e+04	497.09
115	99	-3596.81	2398.12	-5.19e-03	-588.08	0.0	1093.92	1294.49	-289.17	3.783e+04	2398.12	-1.051e+05
		-1.051e+05	-1.029e+04	1.53e-03	0.0	120.0	1093.92	706.41	-289.17	3.783e+04	-1.029e+04	-3596.81
115	100	-1709.46	2083.78	-4.74e-03	-559.92	0.0	971.81	1189.24	-257.95	3.371e+04	2083.78	-9.461e+04
		-9.461e+04	-9230.01	1.39e-03	0.0	120.0	971.81	629.32	-257.95	3.371e+04	-9230.01	-1709.46
115	102	-1246.52	2118.12	-4.86e-03	-571.18	0.0	994.75	1213.91	-265.92	3.475e+04	2118.12	-9.591e+04
		-9.591e+04	-9548.00	1.41e-03	0.0	120.0	994.75	642.72	-265.92	3.475e+04	-9548.00	-1246.52
115	104	-1292.87	2129.23	-4.90e-03	-571.18	0.0	1002.80	1219.62	-266.56	3.485e+04	2129.23	-9.661e+04
		-9.661e+04	-9563.23	1.44e-03	0.0	120.0	1002.80	648.44	-266.56	3.485e+04	-9563.23	-1292.87
115	105	-1709.46	2083.78	-4.74e-03	-559.92	0.0	971.81	1189.24	-257.95	3.371e+04	2083.78	-9.461e+04
		-9.461e+04	-9230.01	1.39e-03	0.0	120.0	971.81	629.32	-257.95	3.371e+04	-9230.01	-1709.46
115	106	-1755.81	2094.89	-4.79e-03	-559.92	0.0	979.86	1194.96	-258.59	3.380e+04	2094.89	-9.531e+04
		-9.531e+04	-9245.25	1.41e-03	0.0	120.0	979.86	635.03	-258.59	3.380e+04	-9245.25	-1755.81
116	5	2.601e+04	272.25	-3.47e-03	-820.23	0.0	1030.56	93.36	-27.59	3779.02	272.25	2.538e+04
		-1.263e+04	-1556.11	1.14e-03	0.0	120.0	1030.56	-726.87	-27.59	3779.02	-1556.11	-1.263e+04
116	9	4.274e+04	414.49	-5.42e-03	-1257.54	0.0	1597.12	185.17	-47.93	6955.68	414.49	4.114e+04
		-1.209e+04	-2635.08	1.65e-03	0.0	120.0	1597.12	-1072.36	-47.93	6955.68	-2635.08	-1.209e+04
116	11	4.256e+04	443.26	-5.42e-03	-1257.54	0.0	1618.56	184.12	-42.81	5576.14	443.26	4.098e+04
		-1.238e+04	-2482.24	1.74e-03	0.0	120.0	1618.56	-1073.42	-42.81	5576.14	-2482.24	-1.238e+04
116	17	3.448e+04	396.71	-4.94e-03	-1102.80	0.0	1468.06	66.19	-33.35	3939.39	396.71	3.424e+04
		-2.398e+04	-2003.83	1.64e-03	0.0	120.0	1468.06	-1036.61	-33.35	3939.39	-2003.83	-2.398e+04
116	24	2.814e+04	2.004e+04	0.01	-836.10	0.0	443.61	28.94	146.01	-1.067e+05	1033.63	2.814e+04
		-1.883e+04	1033.63	6.58e-03	0.0	120.0	443.61	-807.17	146.01	-1.067e+05	2.004e+04	-1.883e+04
116	25	2.609e+04	-436.52	-0.02	-836.10	0.0	1674.42	172.32	-200.41	1.137e+05	-436.52	2.392e+04
		-5285.00	-2.316e+04	-4.16e-03	0.0	120.0	1674.42	-663.79	-200.41	1.137e+05	-2.316e+04	-5285.00
116	28	2.845e+04	1.869e+04	0.02	-836.10	0.0	398.55	21.43	136.50	-1.028e+05	900.93	2.845e+04
		-1.919e+04	900.93	-2.18e-03	0.0	120.0	398.55	-814.67	136.50	-1.028e+05	1.869e+04	-1.919e+04
116	52	2.981e+04	5524.94	0.08	-836.10	0.0	-650.88	24.79	36.96	-3.256e+04	-576.18	2.981e+04
		-1.749e+04	-576.18	-6.57e-03	0.0	120.0	-650.88	-811.31	36.96	-3.256e+04	5524.94	-1.749e+04
116	53	2.494e+04	1160.51	-0.09	-836.10	0.0	2756.16	187.50	-92.65	3.990e+04	1160.51	2.242e+04
		-5134.49	-8634.33	8.92e-03	0.0	120.0	2756.16	-648.61	-92.65	3.990e+04	-8634.33	-5134.49
116	56	2.747e+04	1.030e+04	7.40e-03	-836.10	0.0	720.99	57.83	67.84	-5.703e+04	691.93	2.724e+04
		-1.613e+04	691.93	3.62e-03	0.0	120.0	720.99	-778.27	67.84	-5.703e+04	1.030e+04	-1.613e+04
116	57	2.613e+04	-115.62	-0.01	-836.10	0.0	1399.07	138.68	-121.14	6.389e+04	-115.62	2.475e+04
		-8624.31	-1.340e+04	-1.25e-03	0.0	120.0	1399.07	-697.42	-121.14	6.389e+04	-1.340e+04	-8624.31
116	60	2.762e+04	9556.05	0.01	-836.10	0.0	695.71	53.67	62.54	-5.487e+04	613.96	2.742e+04
		-1.633e+04	613.96	-1.20e-03	0.0	120.0	695.71	-782.44	62.54	-5.487e+04	9556.05	-1.633e+04
116	84	2.850e+04	2246.13	0.04	-836.10	0.0	116.03	49.63	6.57	-1.592e+04	-219.47	2.833e+04
		-1.594e+04	-219.47	-4.86e-03	0.0	120.0	116.03	-786.47	6.57	-1.592e+04	2246.13	-1.594e+04
116	85	2.522e+04	795.78	-0.05	-836.10	0.0	2004.03	146.89	-59.87	2.277e+04	795.78	2.366e+04
		-8820.43	-5344.35	7.23e-03	0.0	120.0	2004.03	-689.22	-59.87	2.277e+04	-5344.35	-8820.43
116	87	2.674e+04	279.94	-3.55e-03	-836.10	0.0	1053.90	98.56	-28.12	3820.99	279.94	2.604e+04
		-1.230e+04	-1592.77	1.16e-03	0.0	120.0	1053.90	-737.54	-28.12	3820.99	-1592.77	-1.230e+04
116	88	2.669e+04	288.15	-3.55e-03	-836.10	0.0	1060.03	98.26	-26.65	3426.84	288.15	2.600e+04
		-1.238e+04	-1549.11	1.19e-03	0.0	120.0	1060.03	-737.84	-26.65	3426.84	-1549.11	-1.238e+04
116	89	2.674e+04	279.94	-3.55e-03	-836.10	0.0	1053.90	98.56	-28.12	3820.99	279.94	2.604e+04
		-1.230e+04	-1592.77	1.16e-03	0.0	120.0	1053.90	-737.54	-28.12	3820.99	-1592.77	-1.230e+04
116	93	3.158e+04	308.53	-4.04e-03	-939.26	0.0	1189.70	133.13	-35.35	5118.61	308.53	3.046e+04
		-9919.56	-1944.64	1.24e-03	0.0	120.0	1189.70	-806.13	-35.35	5118.61	-1944.64	-9919.56
116	95	3.146e+04	327.71	-4.03e-03	-939.26	0.0	1204.00	132.42	-31.93	4198.91	327.71	3.035e+04
		-1.011e+04	-1842.75	1.30e-03	0.0	120.0	1204.00	-806.83	-31.93	4198.91	-1842.75	-1.011e+04
116	98	2.607e+04	296.67	-3.72e-03	-836.10	0.0	1103.66	53.80	-25.63	3107.75	296.67	2.586e+04
		-1.785e+04	-1523.81	1.24e-03	0.0	120.0	1103.66	-782.30	-25.63	3107.75	-1523.81	-1.785e+04
116	100	2.674e+04	279.94	-3.55e-03	-836.10	0.0	1053.90	98.56	-28.12	3820.99	279.94	2.604e+04
		-1.230e+04	-1592.77	1.16e-03	0.0	120.0	1053.90	-737.54	-28.12	3820.99	-1592.77	-1.230e+04
116	101	2.665e+04	293.63	-3.54e-03	-836.10	0.0	1064.11	98.06	-25.68	3164.07	293.63	2.597e+04
		-1.243e+04	-1520.00	1.21e-03	0.0	120.0	1064.11	-738.04	-25.68	3164.07	-1520.00	-1.243e+04
116	102	2.771e+04	285.66	-3.65e-03	-856.73	0.0	1081.06	105.47	-29.56	4080.51	285.66	2.693e+04
		-1.182e+04	-1663.15	1.18e-03	0.0	120.0	1081.06	-751.26	-29.56	4080.51	-1663.15	-1.182e+04
116	104	2.765e+04	293.87	-3.64e-03	-856.73	0.0	1087.19	105.17	-28.10	3686.36	293.87	2.688e+04
		-1.190e+04	-1619.48	1.20e-03	0.0	120.0	1087.19	-751.56	-28.10	3686.36	-1619.48	-1.190e+04
116	105	2.674e+04	279.94	-3.55e-03	-836.10	0.0	1053.90	98.56	-28.12	3820.99	279.94	2.604e+04
		-1.230e+04	-1592.77	1.16e-03	0.0	120.0	1053.90	-737.54	-28.12	3820.99	-1592.77	-1.230e+04
116	106	2.669e+04	288.15	-3.55e-03	-836.10	0.0	1060.03	98.26	-26.65	3426.84	288.15	2.600e+04
		-1.238e+04	-1549.11	1.19e-03	0.0	120.0	1060.03	-737.84	-26.65	3426.84	-1549.11	-1.238e+04
117	3	9.287e+04	1643.21	-4.38e-03	-6669.76	0.0	-603.31	3368.28	-179.56	1.104e+04	1643.21	-2.066e+04
		-2.066e+04	-1.365e+04	1.09e-03	0.0	133.5	-603.31	-3301.47	-179.56	1.104e+04	-1.365e+04	-1.620e+04
117	4	9.362e+04	1733.87	-4.48e-03	-6669.76	0.0	-609.72	3366.19	-187.12	1.137e+04	1733.87	-1.977e+04
		-1.977e+04	-1.413e+04	1.10e-03	0.0	133.5	-609.72	-3303.56	-187.12	1.137e+04	-1.413e+04	-1.559e+04
117	11	9.025e+04	1690.85	-4.31e-03	-6307.35	0.0	-528.89	3183.26	-193.34	1.134e+04	1690.85	-1.698e+04
		-1.698e+04	-1.440e+04	1.08e-03	0.0	133.5	-528.89	-3124.09	-193.34	1.134e+04	-1.440e+04	-1.303e+04
117	19	5.880e+04	827.16	-3.08e-03	-4030.36	0.0	-194.86	2041.57	-133.42	7428.22	827.16	-1.021e+04
		-1.021e+04	-9733.07	7.35e-04	0.0	133.5	-194.86	-1988.79	-133.42	7428.22	-9733.07	-6691.27
117	24	3.345e+04	-1017.47	-5.33e-03	-4368.60	0.0	898.46	1348.67	-57.22	1.132e+04	-1017.47	5457.34

		-1.055e+05	-3165.00	-3.19e-03	0.0	133.5	898.46	-3019.93	-57.22	1.132e+04	-3165.00	-1.055e+05
117	25	1.145e+05	2011.25	0.01	-4368.60	0.0	-1476.80	3076.56	-182.66	1674.16	2011.25	-2.960e+04
		-2.960e+04	-1.651e+04	4.95e-03	0.0	133.5	-1476.80	-1292.04	-182.66	1674.16	-1.651e+04	8.887e+04
117	31	3.502e+04	1.033e+04	1.48e-03	-4368.60	0.0	616.95	1106.43	73.91	5763.46	-5617.90	1.648e+04
		-1.281e+05	-5617.90	0.01	0.0	133.5	616.95	-3262.18	73.91	5763.46	1.033e+04	-1.281e+05
117	37	1.284e+05	2753.33	0.01	-4368.60	0.0	-1444.30	3147.71	-217.10	4607.31	2753.33	-3.280e+04
		-3.280e+04	-2.029e+04	-0.01	0.0	133.5	-1444.30	-1220.89	-217.10	4607.31	-2.029e+04	1.093e+05
117	43	4.732e+04	1.687e+04	0.01	-4368.60	0.0	-420.78	1527.83	166.25	-3578.29	-9276.15	1.266e+04
		-7.716e+04	-9276.15	6.57e-03	0.0	133.5	-420.78	-2840.78	166.25	-3578.29	1.687e+04	-7.716e+04
117	46	9.402e+04	7964.72	-0.01	-4368.60	0.0	-142.03	2911.14	-343.54	1.102e+04	7964.72	-3.684e+04
		-3.684e+04	-3.615e+04	-4.37e-03	0.0	133.5	-142.03	-1457.46	-343.54	1.102e+04	-3.615e+04	6.237e+04
117	56	4.373e+04	555.25	-3.76e-03	-4368.60	0.0	379.89	1737.17	-100.91	1.060e+04	555.25	-2361.68
		-6.170e+04	-5965.98	-2.24e-03	0.0	133.5	379.89	-2631.44	-100.91	1.060e+04	-5965.98	-6.170e+04
117	57	8.816e+04	1382.00	6.94e-03	-4368.60	0.0	-939.16	2685.00	-167.32	4750.82	1382.00	-2.174e+04
		-2.174e+04	-1.396e+04	3.74e-03	0.0	133.5	-939.16	-1683.60	-167.32	4750.82	-1.396e+04	4.475e+04
117	63	4.256e+04	841.92	2.07e-03	-4368.60	0.0	194.71	1600.09	-25.54	6990.10	-2788.95	3600.22
		-7.475e+04	-2788.95	9.25e-03	0.0	133.5	194.71	-2768.51	-25.54	6990.10	841.92	-7.475e+04
117	69	9.452e+04	1792.26	7.50e-03	-4368.60	0.0	-924.25	2724.19	-186.25	6370.17	1792.26	-2.350e+04
		-2.350e+04	-1.604e+04	-4.60e-03	0.0	133.5	-924.25	-1644.41	-186.25	6370.17	-1.604e+04	5.597e+04
117	78	7.812e+04	7059.60	-7.38e-03	-4368.60	0.0	-146.11	2598.02	-279.85	1.262e+04	7059.60	-2.549e+04
		-2.549e+04	-2.352e+04	-4.82e-03	0.0	133.5	-146.11	-1770.58	-279.85	1.262e+04	-2.352e+04	3.094e+04
117	87	5.989e+04	879.50	-3.15e-03	-4127.00	0.0	-221.47	2090.52	-133.22	7435.74	879.50	-1.078e+04
		-1.078e+04	-9813.37	7.43e-04	0.0	133.5	-221.47	-2036.48	-133.22	7435.74	-9813.37	-7176.54
117	88	6.264e+04	968.62	-3.20e-03	-4368.60	0.0	-279.64	2211.09	-134.12	7677.25	968.62	-1.205e+04
		-1.205e+04	-9960.64	7.64e-04	0.0	133.5	-279.64	-2157.52	-134.12	7677.25	-9960.64	-8473.14
117	91	6.906e+04	1176.57	-3.33e-03	-4932.34	0.0	-415.35	2492.39	-136.20	8240.78	1176.57	-1.500e+04
		-1.500e+04	-1.030e+04	8.15e-04	0.0	133.5	-415.35	-2439.95	-136.20	8240.78	-1.030e+04	-1.150e+04
117	92	6.956e+04	1237.02	-3.33e-03	-4932.34	0.0	-419.62	2491.00	-141.24	8460.91	1237.02	-1.440e+04
		-1.440e+04	-1.063e+04	8.25e-04	0.0	133.5	-419.62	-2441.34	-141.24	8460.91	-1.063e+04	-1.109e+04
117	95	6.732e+04	1208.33	-3.28e-03	-4690.74	0.0	-365.74	2369.04	-145.39	8439.53	1208.33	-1.254e+04
		-1.254e+04	-1.080e+04	8.14e-04	0.0	133.5	-365.74	-2321.70	-145.39	8439.53	-1.080e+04	-9380.06
117	96	6.000e+04	880.77	-3.12e-03	-4127.00	0.0	-220.11	2089.75	-134.62	7540.29	880.77	-1.062e+04
		-1.062e+04	-9865.06	7.45e-04	0.0	133.5	-220.11	-2037.25	-134.62	7540.29	-9865.06	-7114.49
117	100	5.989e+04	879.50	-3.15e-03	-4127.00	0.0	-221.47	2090.52	-133.22	7435.74	879.50	-1.078e+04
		-1.078e+04	-9813.37	7.43e-04	0.0	133.5	-221.47	-2036.48	-133.22	7435.74	-9813.37	-7176.54
117	101	6.447e+04	1028.04	-3.24e-03	-4529.67	0.0	-318.41	2291.46	-134.71	7838.26	1028.04	-1.289e+04
		-1.289e+04	-1.006e+04	7.79e-04	0.0	133.5	-318.41	-2238.21	-134.71	7838.26	-1.006e+04	-9337.54
117	104	6.284e+04	992.80	-3.20e-03	-4368.60	0.0	-281.35	2210.53	-136.13	7765.30	992.80	-1.181e+04
		-1.181e+04	-1.009e+04	7.68e-04	0.0	133.5	-281.35	-2158.08	-136.13	7765.30	-1.009e+04	-8308.76
117	105	5.989e+04	879.50	-3.15e-03	-4127.00	0.0	-221.47	2090.52	-133.22	7435.74	879.50	-1.078e+04
		-1.078e+04	-9813.37	7.43e-04	0.0	133.5	-221.47	-2036.48	-133.22	7435.74	-9813.37	-7176.54
117	106	6.264e+04	968.62	-3.20e-03	-4368.60	0.0	-279.64	2211.09	-134.12	7677.25	968.62	-1.205e+04
		-1.205e+04	-9960.64	7.64e-04	0.0	133.5	-279.64	-2157.52	-134.12	7677.25	-9960.64	-8473.14
118	7	3206.47	9739.89	9.74e-04	-459.21	0.0	834.86	825.27	224.01	-3.347e+04	-687.34	-5.050e+04
		-5.050e+04	-687.34	8.53e-04	0.0	120.0	834.86	366.06	224.01	-3.347e+04	9739.89	3206.47
118	9	1.131e+04	1.621e+04	8.91e-04	-663.13	0.0	1280.30	1266.29	368.00	-5.495e+04	-924.20	-7.182e+04
		-7.182e+04	-924.20	1.05e-03	0.0	120.0	1280.30	603.16	368.00	-5.495e+04	1.621e+04	1.131e+04
118	16	3458.67	1.512e+04	1.30e-03	-636.37	0.0	1277.44	1223.20	349.61	-5.221e+04	-1156.21	-7.706e+04
		-7.706e+04	-1156.21	1.04e-03	0.0	120.0	1277.44	586.84	349.61	-5.221e+04	1.512e+04	3458.67
118	32	5.793e+04	1.420e+04	0.03	-464.70	0.0	915.20	559.91	251.55	-6.244e+04	1081.58	9628.75
		9628.75	1081.58	8.45e-03	0.0	120.0	915.20	95.21	251.55	-6.244e+04	1.420e+04	5.793e+04
118	33	-5.020e+04	5955.19	-0.03	-464.70	0.0	788.59	1129.26	211.52	-6710.73	-2476.30	-1.121e+05
		-1.121e+05	-2476.30	-6.85e-03	0.0	120.0	788.59	664.56	211.52	-6710.73	5955.19	-5.020e+04
118	39	-1.159e+05	9971.75	-0.14	-464.70	0.0	730.19	2877.83	237.27	-3.946e+04	-1623.42	-4.284e+05
		-4.284e+05	-1623.42	-0.02	0.0	120.0	730.19	2413.13	237.27	-3.946e+04	9971.75	-1.159e+05
118	42	3.254e+05	1.018e+04	0.14	-464.70	0.0	973.67	-1185.05	225.81	-2.968e+04	224.77	3.254e+05
		1.236e+05	224.77	0.02	0.0	120.0	973.67	-1649.76	225.81	-2.968e+04	1.018e+04	1.236e+05
118	44	2.906e+05	1.241e+04	0.14	-464.70	0.0	987.13	-975.15	237.70	-4.564e+04	1046.56	2.906e+05
		1.355e+05	1046.56	0.02	0.0	120.0	987.13	-1439.85	237.70	-4.564e+04	1.241e+04	1.355e+05
118	45	-1.278e+05	7740.63	-0.14	-464.70	0.0	716.73	2667.92	225.37	-2.350e+04	-2445.21	-3.936e+05
		-3.936e+05	-2445.21	-0.02	0.0	120.0	716.73	2203.22	225.37	-2.350e+04	7740.63	-1.278e+05
118	64	3.375e+04	1.234e+04	0.02	-464.70	0.0	885.79	693.00	243.06	-4.985e+04	266.30	-1.827e+04
		-1.827e+04	266.30	4.49e-03	0.0	120.0	885.79	228.30	243.06	-4.985e+04	1.234e+04	3.375e+04
118	65	-2.603e+04	7808.12	-0.02	-464.70	0.0	817.89	998.57	219.81	-1.925e+04	-1663.04	-8.459e+04
		-8.459e+04	-1663.04	-2.92e-03	0.0	120.0	817.89	533.87	219.81	-1.925e+04	7808.12	-2.603e+04
118	71	-6.251e+04	1.004e+04	-0.08	-464.70	0.0	787.00	1947.43	232.69	-3.737e+04	-1157.34	-2.572e+05
		-2.572e+05	-1157.34	-0.01	0.0	120.0	787.00	1482.73	232.69	-3.737e+04	1.004e+04	-6.251e+04
118	74	1.543e+05	1.010e+04	0.08	-464.70	0.0	916.68	-255.86	230.18	-3.174e+04	-239.40	1.543e+05
		7.023e+04	-239.40	0.01	0.0	120.0	916.68	-720.56	230.18	-3.174e+04	1.010e+04	7.023e+04
118	76	1.353e+05	1.133e+04	0.08	-464.70	0.0	924.01	-140.90	236.75	-4.052e+04	213.14	1.353e+05
		7.677e+04	213.14	0.01	0.0	120.0	924.01	-605.60	236.75	-4.052e+04	1.133e+04	7.677e+04
118	77	-6.905e+04	8812.60	-0.07	-464.70	0.0	779.67	1832.47	226.12	-2.859e+04	-1609.88	-2.382e+05
		-2.382e+05	-1609.88	-0.01	0.0	120.0	779.67	1367.77	226.12	-2.859e+04	8812.60	-6.905e+04
118	87	3878.08	1.008e+04	8.87e-04	-464.70	0.0	852.10	847.21	231.77	-3.460e+04	-701.07	-5.156e+04
		-5.156e+04	-701.07	7.63e-04	0.0	120.0	852.10	382.51	231.77	-3.460e+04	1.008e+04	3878.08
118	88	3859.06	1.007e+04	8.99e-04	-464.70	0.0	851.84	845.79	231.43	-3.455e+04	-698.37	-5.143e+04
		-5.143e+04	-698.37	7.83e-04	0.0	120.0	851.84	381.08	231.43	-3.455e+04	1.007e+04	3859.06
118	91	3814.68	1.004e+04	9.29e-04	-464.70	0.0	851.25	842.47	230.65	-3.446e+04	-692.06	-5.112e+04
		-5.112e+04	-692.06	8.31e-04	0.0	120.0	851.25	377.77	230.65	-3.446e+04	1.004e+04	3814.68
118	93	7674.82	1.196e+04	7.24e-04	-500.39	0.0	956.50	947.27	272.18	-4.064e+04	-709.47	-5.449e+04

		-5.449e+04	-709.47	7.93e-04	0.0	120.0	956.50	446.89	272.18	-4.064e+04	1.196e+04	7674.82
118	97	2438.52	1.123e+04	1.00e-03	-482.54	0.0	954.60	918.55	259.92	-3.881e+04	-864.14	-5.798e+04
		-5.798e+04	-864.14	7.84e-04	0.0	120.0	954.60	436.00	259.92	-3.881e+04	1.123e+04	2438.52
118	101	3846.38	1.006e+04	9.08e-04	-464.70	0.0	851.67	844.84	231.21	-3.453e+04	-696.57	-5.134e+04
		-5.134e+04	-696.57	7.97e-04	0.0	120.0	851.67	380.14	231.21	-3.453e+04	1.006e+04	3846.38
118	102	4637.43	1.046e+04	8.51e-04	-471.84	0.0	872.98	867.22	239.85	-3.580e+04	-702.75	-5.215e+04
		-5.215e+04	-702.75	7.69e-04	0.0	120.0	872.98	395.38	239.85	-3.580e+04	1.046e+04	4637.43
118	105	3878.08	1.008e+04	8.87e-04	-464.70	0.0	852.10	847.21	231.77	-3.460e+04	-701.07	-5.156e+04
		-5.156e+04	-701.07	7.63e-04	0.0	120.0	852.10	382.51	231.77	-3.460e+04	1.008e+04	3878.08
118	106	3859.06	1.007e+04	8.99e-04	-464.70	0.0	851.84	845.79	231.43	-3.455e+04	-698.37	-5.143e+04
		-5.143e+04	-698.37	7.83e-04	0.0	120.0	851.84	381.08	231.43	-3.455e+04	1.007e+04	3859.06
119	5	1.246e+05	8157.31	-0.05	-2149.38	0.0	-481.46	3407.63	-80.19	920.50	8157.31	-1.450e+05
		-1.450e+05	-463.28	1.29e-03	0.0	107.5	-481.46	1258.25	-80.19	920.50	-463.28	1.246e+05
119	9	2.036e+05	1.319e+04	-0.08	-3575.63	0.0	-772.38	5597.10	-129.26	3980.65	1.319e+04	-2.350e+05
		-2.350e+05	-709.86	1.87e-03	0.0	107.5	-772.38	2021.47	-129.26	3980.65	-709.86	2.036e+05
119	11	2.028e+05	1.331e+04	-0.08	-3575.63	0.0	-783.35	5602.15	-130.59	3797.22	1.331e+04	-2.364e+05
		-2.364e+05	-730.17	1.97e-03	0.0	107.5	-783.35	2026.52	-130.59	3797.22	-730.17	2.028e+05
119	31	2.693e+05	1747.43	-0.07	-2214.23	0.0	24.45	2818.13	25.94	6320.91	-1053.52	4.985e+04
		4.985e+04	-1053.52	4.50e-03	0.0	107.5	24.45	603.90	25.94	6320.91	1747.43	2.693e+05
119	33	4703.64	1.548e+04	-0.04	-2214.23	0.0	-759.98	4327.81	-161.11	-508.75	1.548e+04	-3.725e+05
		-3.725e+05	-1838.67	-1.00e-03	0.0	107.5	-759.98	2113.57	-161.11	-508.75	-1838.67	4703.64
119	38	-1.217e+04	1.807e+04	-0.04	-2214.23	0.0	-1024.73	4192.41	-195.24	-2987.90	1.807e+04	-3.630e+05
		-3.630e+05	-2924.21	-2.56e-03	0.0	107.5	-1024.73	1978.18	-195.24	-2987.90	-2924.21	-1.217e+04
119	47	1.921e+05	2215.01	-0.06	-2214.23	0.0	78.72	3518.91	7.47	5433.92	1405.54	-7.928e+04
		-7.928e+04	1405.54	4.06e-03	0.0	107.5	78.72	1304.68	7.47	5433.92	2215.01	1.921e+05
119	50	6.384e+04	1.536e+04	-0.05	-2214.23	0.0	-1070.40	3499.74	-172.31	-2206.31	1.536e+04	-2.190e+05
		-2.190e+05	-3168.93	-1.40e-03	0.0	107.5	-1070.40	1285.50	-172.31	-2206.31	-3168.93	6.384e+04
119	54	6.277e+04	1.550e+04	-0.05	-2214.23	0.0	-1063.20	3501.26	-173.80	-2098.16	1.550e+04	-2.207e+05
		-2.207e+05	-3183.96	-3.67e-03	0.0	107.5	-1063.20	1287.03	-173.80	-2098.16	-3183.96	6.277e+04
119	63	2.058e+05	3228.38	-0.06	-2214.23	0.0	-211.13	3126.97	-23.32	3989.00	3228.38	-3.925e+04
		-3.925e+04	728.19	3.58e-03	0.0	107.5	-211.13	912.74	-23.32	3989.00	728.19	2.058e+05
119	65	6.042e+04	1.230e+04	-0.05	-2214.23	0.0	-641.12	3950.60	-125.98	251.64	1.230e+04	-2.712e+05
		-2.712e+05	-1238.45	6.18e-04	0.0	107.5	-641.12	1736.37	-125.98	251.64	-1238.45	6.042e+04
119	70	5.046e+04	1.371e+04	-0.05	-2214.23	0.0	-787.14	3882.58	-144.36	-1348.16	1.371e+04	-2.673e+05
		-2.673e+05	-1807.26	-1.32e-03	0.0	107.5	-787.14	1668.35	-144.36	-1348.16	-1807.26	5.046e+04
119	79	1.641e+05	4603.54	-0.05	-2214.23	0.0	-181.33	3502.92	-33.98	3571.76	4603.54	-1.089e+05
		-1.089e+05	954.01	4.49e-03	0.0	107.5	-181.33	1288.68	-33.98	3571.76	954.01	1.641e+05
119	82	9.133e+04	1.223e+04	-0.05	-2214.23	0.0	-814.19	3509.90	-131.55	-1407.42	1.223e+04	-1.899e+05
		-1.899e+05	-1913.78	-1.81e-03	0.0	107.5	-814.19	1295.66	-131.55	-1407.42	-1913.78	9.133e+04
119	86	9.074e+04	1.231e+04	-0.05	-2214.23	0.0	-810.20	3511.17	-132.37	-1350.59	1.231e+04	-1.908e+05
		-1.908e+05	-1921.73	-3.06e-03	0.0	107.5	-810.20	1296.94	-132.37	-1350.59	-1921.73	9.074e+04
119	87	1.279e+05	8382.82	-0.05	-2214.23	0.0	-494.63	3504.96	-82.39	1134.58	8382.82	-1.490e+05
		-1.490e+05	-474.08	1.31e-03	0.0	107.5	-494.63	1290.73	-82.39	1134.58	-474.08	1.279e+05
119	88	1.277e+05	8417.69	-0.05	-2214.23	0.0	-497.76	3506.41	-82.77	1082.17	8417.69	-1.494e+05
		-1.494e+05	-479.89	1.34e-03	0.0	107.5	-497.76	1292.17	-82.77	1082.17	-479.89	1.277e+05
119	89	1.279e+05	8382.82	-0.05	-2214.23	0.0	-494.63	3504.96	-82.39	1134.58	8382.82	-1.490e+05
		-1.490e+05	-474.08	1.31e-03	0.0	107.5	-494.63	1290.73	-82.39	1134.58	-474.08	1.279e+05
119	93	1.505e+05	9757.99	-0.06	-2635.75	0.0	-572.09	4133.84	-95.70	2662.33	9757.99	-1.739e+05
		-1.739e+05	-529.25	1.41e-03	0.0	107.5	-572.09	1498.09	-95.70	2662.33	-529.25	1.505e+05
119	95	1.500e+05	9839.36	-0.06	-2635.75	0.0	-579.40	4137.21	-96.58	2540.04	9839.36	-1.748e+05
		-1.748e+05	-542.78	1.47e-03	0.0	107.5	-579.40	1501.46	-96.58	2540.04	-542.78	1.500e+05
119	100	1.279e+05	8382.82	-0.05	-2214.23	0.0	-494.63	3504.96	-82.39	1134.58	8382.82	-1.490e+05
		-1.490e+05	-474.08	1.31e-03	0.0	107.5	-494.63	1290.73	-82.39	1134.58	-474.08	1.279e+05
119	102	1.325e+05	8657.86	-0.05	-2298.54	0.0	-510.12	3630.74	-85.05	1440.13	8657.86	-1.539e+05
		-1.539e+05	-485.12	1.33e-03	0.0	107.5	-510.12	1332.20	-85.05	1440.13	-485.12	1.325e+05
119	104	1.322e+05	8692.72	-0.05	-2298.54	0.0	-513.25	3632.18	-85.43	1387.72	8692.72	-1.544e+05
		-1.544e+05	-490.92	1.36e-03	0.0	107.5	-513.25	1333.65	-85.43	1387.72	-490.92	1.322e+05
119	105	1.279e+05	8382.82	-0.05	-2214.23	0.0	-494.63	3504.96	-82.39	1134.58	8382.82	-1.490e+05
		-1.490e+05	-474.08	1.31e-03	0.0	107.5	-494.63	1290.73	-82.39	1134.58	-474.08	1.279e+05
119	106	1.277e+05	8417.69	-0.05	-2214.23	0.0	-497.76	3506.41	-82.77	1082.17	8417.69	-1.494e+05
		-1.494e+05	-479.89	1.34e-03	0.0	107.5	-497.76	1292.17	-82.77	1082.17	-479.89	1.277e+05
120	5	1.966e+05	-67.49	-0.02	-2149.38	0.0	-197.89	1602.05	3.68	-1765.28	-67.49	1.966e+05
		1.284e+05	-463.25	1.19e-03	0.0	107.5	-197.89	-547.33	3.68	-1765.28	-463.25	1.284e+05
120	7	1.964e+05	-70.72	-0.02	-2149.38	0.0	-207.44	1609.40	3.92	-2013.78	-70.72	1.964e+05
		1.274e+05	-492.26	1.32e-03	0.0	107.5	-207.44	-539.99	3.92	-2013.78	-492.26	1.274e+05
120	9	3.208e+05	-123.18	-0.03	-3575.63	0.0	-324.27	2651.22	5.46	-1408.22	-123.18	3.208e+05
		2.092e+05	-709.83	1.72e-03	0.0	107.5	-324.27	-924.41	5.46	-1408.22	-709.83	2.092e+05
120	11	3.206e+05	-125.44	-0.03	-3575.63	0.0	-330.95	2656.36	5.62	-1582.18	-125.44	3.206e+05
		2.085e+05	-730.13	1.81e-03	0.0	107.5	-330.95	-919.27	5.62	-1582.18	-730.13	2.085e+05
120	19	2.033e+05	-66.77	-0.02	-2149.38	0.0	-199.87	1618.74	4.05	-2957.74	-66.77	2.033e+05
		1.331e+05	-501.72	1.22e-03	0.0	107.5	-199.87	-530.65	4.05	-2957.74	-501.72	1.331e+05
120	23	2.577e+05	1697.39	-0.02	-2214.23	0.0	386.32	1074.67	-19.33	-4061.52	1697.39	2.577e+05
		2.187e+05	-383.65	-3.36e-03	0.0	107.5	386.32	-1139.56	-19.33	-4061.52	-383.65	2.187e+05
120	34	1.598e+05	247.22	-0.03	-2214.23	0.0	-658.94	2246.74	27.47	-218.98	247.22	1.598e+05
		4.371e+04	-2708.29	-1.81e-03	0.0	107.5	-658.94	32.50	27.47	-218.98	-2708.29	4.371e+04
120	47	2.387e+05	2215.05	-0.02	-2214.23	0.0	830.59	1432.22	-23.63	3960.18	2215.05	2.387e+05
		1.791e+05	-327.39	4.41e-03	0.0	107.5	830.59	-782.01	-23.63	3960.18	-327.39	1.791e+05
120	50	1.662e+05	183.09	-0.03	-2214.23	0.0	-1240.66	1874.93	31.16	-6433.03	183.09	1.662e+05
		8.442e+04	-3168.93	-1.95e-03	0.0	107.5	-1240.66	-339.30	31.16	-6433.03	-3168.93	8.442e+04
120	51	2.379e+05	2230.07	-0.02	-2214.23	0.0	788.60	1427.33	-23.79	4279.06	2230.07	2.379e+05

		1.793e+05	-329.17	6.72e-03	0.0	107.5	788.60	-786.90	-23.79	4279.06	-329.17	2.273e+05
120	54	1.672e+05	184.87	-0.03	-2214.23	0.0	-1198.67	1879.83	31.32	-6751.91	-3183.95	8.415e+04
		8.415e+04	-3183.95	-4.26e-03	0.0	107.5	-1198.67	-334.40	31.32	-6751.91	184.87	1.641e+05
120	55	2.303e+05	701.71	-0.02	-2214.23	0.0	119.54	1332.30	-8.77	-2990.90	701.71	1.794e+05
		1.794e+05	-242.48	-7.97e-04	0.0	107.5	119.54	-881.94	-8.77	-2990.90	-242.48	2.163e+05
120	70	1.784e+05	104.94	-0.03	-2214.23	0.0	-471.98	1975.49	17.78	-1102.67	-1807.25	8.322e+04
		8.322e+04	-1807.25	-1.52e-03	0.0	107.5	-471.98	-238.74	17.78	-1102.67	104.94	1.771e+05
120	79	2.215e+05	954.07	-0.02	-2214.23	0.0	364.01	1522.48	-10.83	1472.16	954.07	1.583e+05
		1.583e+05	-211.09	4.62e-03	0.0	107.5	364.01	-691.75	-10.83	1472.16	-211.09	2.128e+05
120	82	1.828e+05	68.52	-0.02	-2214.23	0.0	-775.97	1779.88	18.43	-4987.13	-1913.80	1.049e+05
		1.049e+05	-1913.80	-2.14e-03	0.0	107.5	-775.97	-434.35	18.43	-4987.13	68.52	1.784e+05
120	83	2.211e+05	962.02	-0.02	-2214.23	0.0	340.88	1519.76	-10.92	1645.54	962.02	1.585e+05
		1.585e+05	-212.09	5.90e-03	0.0	107.5	340.88	-694.47	-10.92	1645.54	-212.09	2.122e+05
120	86	1.832e+05	69.52	-0.03	-2214.23	0.0	-752.84	1782.60	18.52	-5160.51	-1921.75	1.047e+05
		1.047e+05	-1921.75	-3.41e-03	0.0	107.5	-752.84	-431.63	18.52	-5160.51	69.52	1.790e+05
120	87	2.020e+05	-70.64	-0.02	-2214.23	0.0	-204.07	1649.71	3.75	-1707.78	-474.06	1.318e+05
		1.318e+05	-474.06	1.21e-03	0.0	107.5	-204.07	-564.52	3.75	-1707.78	-70.64	1.956e+05
120	88	2.020e+05	-71.28	-0.02	-2214.23	0.0	-205.98	1651.18	3.80	-1757.48	-479.86	1.316e+05
		1.316e+05	-479.86	1.24e-03	0.0	107.5	-205.98	-563.05	3.80	-1757.48	-71.28	1.956e+05
120	89	2.020e+05	-70.64	-0.02	-2214.23	0.0	-204.07	1649.71	3.75	-1707.78	-474.06	1.318e+05
		1.318e+05	-474.06	1.21e-03	0.0	107.5	-204.07	-564.52	3.75	-1707.78	-70.64	1.956e+05
120	91	2.018e+05	-72.79	-0.02	-2214.23	0.0	-210.43	1654.61	3.91	-1873.45	-493.40	1.312e+05
		1.312e+05	-493.40	1.30e-03	0.0	107.5	-210.43	-559.62	3.91	-1873.45	-72.79	1.956e+05
120	93	2.372e+05	-89.44	-0.02	-2635.75	0.0	-239.27	1955.67	4.09	-1204.85	-529.22	1.547e+05
		1.547e+05	-529.22	1.29e-03	0.0	107.5	-239.27	-680.08	4.09	-1204.85	-89.44	2.292e+05
120	95	2.371e+05	-90.94	-0.02	-2635.75	0.0	-243.72	1959.10	4.20	-1320.82	-542.76	1.543e+05
		1.543e+05	-542.76	1.36e-03	0.0	107.5	-243.72	-676.65	4.20	-1320.82	-90.94	2.292e+05
120	96	2.065e+05	-70.16	-0.02	-2214.23	0.0	-205.39	1660.83	4.00	-2502.76	-499.71	1.350e+05
		1.350e+05	-499.71	1.23e-03	0.0	107.5	-205.39	-553.40	4.00	-2502.76	-70.16	2.005e+05
120	100	2.020e+05	-70.64	-0.02	-2214.23	0.0	-204.07	1649.71	3.75	-1707.78	-474.06	1.318e+05
		1.318e+05	-474.06	1.21e-03	0.0	107.5	-204.07	-564.52	3.75	-1707.78	-70.64	1.956e+05
120	101	2.019e+05	-71.72	-0.02	-2214.23	0.0	-207.25	1652.16	3.83	-1790.62	-483.73	1.315e+05
		1.315e+05	-483.73	1.26e-03	0.0	107.5	-207.25	-562.07	3.83	-1790.62	-71.72	1.956e+05
120	102	2.090e+05	-74.40	-0.02	-2298.54	0.0	-211.11	1710.90	3.82	-1607.20	-485.09	1.364e+05
		1.364e+05	-485.09	1.23e-03	0.0	107.5	-211.11	-587.63	3.82	-1607.20	-74.40	2.024e+05
120	104	2.090e+05	-75.04	-0.02	-2298.54	0.0	-213.02	1712.37	3.87	-1656.90	-490.90	1.362e+05
		1.362e+05	-490.90	1.26e-03	0.0	107.5	-213.02	-586.16	3.87	-1656.90	-75.04	2.024e+05
120	105	2.020e+05	-70.64	-0.02	-2214.23	0.0	-204.07	1649.71	3.75	-1707.78	-474.06	1.318e+05
		1.318e+05	-474.06	1.21e-03	0.0	107.5	-204.07	-564.52	3.75	-1707.78	-70.64	1.956e+05
120	106	2.020e+05	-71.28	-0.02	-2214.23	0.0	-205.98	1651.18	3.80	-1757.48	-479.86	1.316e+05
		1.316e+05	-479.86	1.24e-03	0.0	107.5	-205.98	-563.05	3.80	-1757.48	-71.28	1.956e+05
121	5	1.898e+05	-14.15	0.03	-2149.38	0.0	-247.65	-264.75	0.50	-5279.17	-67.47	1.898e+05
		3.861e+04	-67.47	1.10e-03	0.0	107.5	-247.65	-2414.13	0.50	-5279.17	-14.15	3.861e+04
121	8	2.149e+05	-3.43	0.03	-2465.52	0.0	-290.23	-276.22	0.76	-6019.54	-84.79	2.149e+05
		4.463e+04	-84.79	1.27e-03	0.0	107.5	-290.23	-2741.75	0.76	-6019.54	-3.43	4.463e+04
121	11	3.086e+05	-5.62	0.05	-3575.63	0.0	-408.70	-384.02	1.11	-8299.85	-125.41	3.086e+05
		6.332e+04	-125.41	1.66e-03	0.0	107.5	-408.70	-3959.65	1.11	-8299.85	-5.62	6.332e+04
121	26	2.383e+05	241.29	0.02	-2214.23	0.0	-154.13	230.76	-11.54	-2974.10	241.29	2.382e+05
		1.282e+05	-1089.95	5.99e-03	0.0	107.5	-154.13	-1983.47	-11.54	-2974.10	-1089.95	1.282e+05
121	31	1.534e+05	791.34	0.04	-2214.23	0.0	-202.05	-768.58	10.27	-6994.06	-389.53	1.534e+05
		-5.063e+04	-389.53	4.17e-03	0.0	107.5	-202.05	-2982.81	10.27	-6994.06	791.34	-5.063e+04
121	47	1.668e+05	2688.85	0.04	-2214.23	0.0	720.59	-309.47	27.81	-2098.01	-327.34	1.668e+05
		8706.92	-327.34	4.66e-03	0.0	107.5	720.59	-2523.70	27.81	-2098.01	2688.85	8706.92
121	48	2.009e+05	25.54	0.02	-2214.23	0.0	-1479.86	-539.97	-22.39	-1.014e+04	25.54	2.009e+05
		2.065e+04	-2357.17	-5.46e-03	0.0	107.5	-1479.86	-2754.20	-22.39	-1.014e+04	-2357.17	2.065e+04
121	49	1.888e+05	2307.20	0.04	-2214.23	0.0	969.17	11.74	23.27	284.06	-169.80	1.888e+05
		5.894e+04	-169.80	7.72e-03	0.0	107.5	969.17	-2202.50	23.27	284.06	2307.20	5.894e+04
121	50	2.229e+05	183.08	0.02	-2214.23	0.0	-1231.27	-218.76	-26.93	-7762.43	183.08	2.229e+05
		7.088e+04	-2738.82	-2.40e-03	0.0	107.5	-1231.27	-2432.99	-26.93	-7762.43	-2738.82	7.088e+04
121	58	2.175e+05	99.91	0.03	-2214.23	0.0	-198.82	7.53	-6.07	-4276.08	99.91	2.175e+05
		8.856e+04	-602.24	3.29e-03	0.0	107.5	-198.82	-2206.70	-6.07	-4276.08	-602.24	8.856e+04
121	63	1.730e+05	431.52	0.03	-2214.23	0.0	-228.55	-545.28	5.91	-6269.81	-245.77	1.730e+05
		-1.007e+04	-245.77	3.30e-03	0.0	107.5	-228.55	-2759.51	5.91	-6269.81	431.52	-1.007e+04
121	79	1.801e+05	1483.01	0.03	-2214.23	0.0	273.45	-300.78	15.62	-3534.60	-211.02	1.801e+05
		2.180e+04	-211.02	4.72e-03	0.0	107.5	273.45	-2515.02	15.62	-3534.60	1483.01	2.180e+04
121	80	1.983e+05	-17.84	0.03	-2214.23	0.0	-924.72	-408.01	-12.01	-8674.95	-17.84	1.983e+05
		3.057e+04	-1295.71	-4.10e-03	0.0	107.5	-924.72	-2622.24	-12.01	-8674.95	-1295.71	3.057e+04
121	81	1.915e+05	1273.11	0.03	-2214.23	0.0	410.21	-125.12	13.13	-2224.20	-124.68	1.915e+05
		4.929e+04	-124.68	6.39e-03	0.0	107.5	410.21	-2339.35	13.13	-2224.20	1273.11	4.929e+04
121	82	2.097e+05	68.49	0.02	-2214.23	0.0	-787.96	-232.34	-14.51	-7364.56	68.49	2.097e+05
		5.806e+04	-1505.61	-2.43e-03	0.0	107.5	-787.96	-2446.57	-14.51	-7364.56	-1505.61	5.806e+04
121	87	1.949e+05	-13.03	0.03	-2214.23	0.0	-254.93	-268.01	0.54	-5400.06	-70.62	1.949e+05
		3.971e+04	-70.62	1.12e-03	0.0	107.5	-254.93	-2482.24	0.54	-5400.06	-13.03	3.971e+04
121	88	1.949e+05	-11.30	0.03	-2214.23	0.0	-257.26	-266.56	0.56	-5449.58	-71.26	1.949e+05
		3.993e+04	-71.26	1.14e-03	0.0	107.5	-257.26	-2480.79	0.56	-5449.58	-11.30	3.993e+04
121	89	1.949e+05	-13.03	0.03	-2214.23	0.0	-254.93	-268.01	0.54	-5400.06	-70.62	1.949e+05
		3.971e+04	-70.62	1.12e-03	0.0	107.5	-254.93	-2482.24	0.54	-5400.06	-13.03	3.971e+04
121	92	2.116e+05	-5.88	0.03	-2424.99	0.0	-283.31	-275.66	0.71	-5893.64	-82.17	2.116e+05
		4.372e+04	-82.17	1.23e-03	0.0	107.5	-283.31	-2700.65	0.71	-5893.64	-5.88	4.372e+04
121	95	2.283e+05	-6.23	0.03	-2635.75	0.0	-301.61	-289.57	0.79	-6172.65	-90.92	2.283e+05

		4.678e+04	-90.92	1.24e-03	0.0	107.5	-301.61	-2925.32	0.79	-6172.65	-6.23	4.678e+04
121	100	1.949e+05	-13.03	0.03	-2214.23	0.0	-254.93	-268.01	0.54	-5400.06	-70.62	1.949e+05
		3.971e+04	-70.62	1.12e-03	0.0	107.5	-254.93	-2482.24	0.54	-5400.06	-13.03	3.971e+04
121	101	1.949e+05	-10.15	0.03	-2214.23	0.0	-258.81	-265.60	0.57	-5482.59	-71.69	1.949e+05
		4.008e+04	-71.69	1.16e-03	0.0	107.5	-258.81	-2479.83	0.57	-5482.59	-10.15	4.008e+04
121	104	2.016e+05	-10.75	0.03	-2298.54	0.0	-265.50	-271.55	0.60	-5580.99	-75.02	2.016e+05
		4.124e+04	-75.02	1.16e-03	0.0	107.5	-265.50	-2570.08	0.60	-5580.99	-10.75	4.124e+04
121	105	1.949e+05	-13.03	0.03	-2214.23	0.0	-254.93	-268.01	0.54	-5400.06	-70.62	1.949e+05
		3.971e+04	-70.62	1.12e-03	0.0	107.5	-254.93	-2482.24	0.54	-5400.06	-13.03	3.971e+04
121	106	1.949e+05	-11.30	0.03	-2214.23	0.0	-257.26	-266.56	0.56	-5449.58	-71.26	1.949e+05
		3.993e+04	-71.26	1.14e-03	0.0	107.5	-257.26	-2480.79	0.56	-5449.58	-11.30	3.993e+04
122	5	3.269e+04	-14.13	0.03	-1989.43	0.0	-289.15	-2169.18	-0.01	-5886.04	-14.13	3.269e+04
		-2.988e+05	-15.58	1.01e-03	0.0	99.5	-289.15	-4158.60	-0.01	-5886.04	-15.58	-2.988e+05
122	9	5.292e+04	-11.65	0.06	-3309.54	0.0	-467.95	-3495.45	-0.20	-1.016e+04	-11.65	5.292e+04
		-4.865e+05	-31.53	1.44e-03	0.0	99.5	-467.95	-6804.98	-0.20	-1.016e+04	-31.53	-4.865e+05
122	11	5.376e+04	-5.59	0.06	-3309.54	0.0	-478.90	-3489.55	-0.33	-1.037e+04	-5.59	5.376e+04
		-4.849e+05	-38.35	1.52e-03	0.0	99.5	-478.90	-6799.09	-0.33	-1.037e+04	-38.35	-4.849e+05
122	19	3.419e+04	1.28	0.04	-1989.43	0.0	-291.48	-2282.67	0.29	-5118.67	-27.14	3.419e+04
		-3.096e+05	-27.14	1.02e-03	0.0	99.5	-291.48	-4272.09	0.29	-5118.67	1.28	-3.096e+05
122	32	-8.656e+04	415.16	0.02	-2049.45	0.0	-1287.24	-3149.67	11.10	-2088.26	-85.22	-8.656e+04
		-5.333e+05	-85.22	3.48e-03	0.0	99.5	-1287.24	-5199.12	11.10	-2088.26	415.16	-5.333e+05
122	34	1.708e+05	-80.91	0.05	-2049.45	0.0	-242.29	-1468.78	1.37	-1.430e+04	-822.48	1.708e+05
		-1.122e+05	-822.48	-1.81e-03	0.0	99.5	-242.29	-3518.23	1.37	-1.430e+04	-80.91	-1.122e+05
122	47	-1.840e+04	2688.92	0.04	-2049.45	0.0	1077.93	-2703.72	-33.42	1101.35	2688.92	-1.840e+04
		-4.016e+05	-996.22	5.15e-03	0.0	99.5	1077.93	-4753.17	-33.42	1101.35	-996.22	-4.016e+05
122	48	1.074e+04	1180.82	0.03	-2049.45	0.0	-2086.17	-2237.46	39.16	-8670.41	-2357.17	1.074e+04
		-3.349e+05	-2357.17	-6.04e-03	0.0	99.5	-2086.17	-4286.91	39.16	-8670.41	1180.82	-3.349e+05
122	49	5.643e+04	2307.24	0.05	-2049.45	0.0	1491.52	-2203.30	-38.66	-2588.01	2307.24	5.643e+04
		-2.784e+05	-1181.58	8.11e-03	0.0	99.5	1491.52	-4252.75	-38.66	-2588.01	-1181.58	-2.784e+05
122	50	8.557e+04	995.47	0.03	-2049.45	0.0	-1672.58	-1737.03	33.91	-1.236e+04	-2738.85	8.557e+04
		-2.117e+05	-2738.85	-3.09e-03	0.0	99.5	-1672.58	-3786.49	33.91	-1.236e+04	995.47	-2.117e+05
122	64	-3.186e+04	219.38	0.03	-2049.45	0.0	-840.53	-2726.10	6.03	-4156.52	-50.70	-3.186e+04
		-4.302e+05	-50.70	1.94e-03	0.0	99.5	-840.53	-4775.55	6.03	-4156.52	219.38	-4.302e+05
122	66	1.095e+05	-52.97	0.04	-2049.45	0.0	-264.84	-1807.50	0.71	-1.083e+04	-454.13	1.095e+05
		-1.989e+05	-454.13	-9.99e-04	0.0	99.5	-264.84	-3856.95	0.71	-1.083e+04	-52.97	-1.989e+05
122	79	3881.56	1483.09	0.04	-2049.45	0.0	442.59	-2492.52	-18.72	-2052.51	1483.09	3881.56
		-3.608e+05	-577.86	4.83e-03	0.0	99.5	442.59	-4541.97	-18.72	-2052.51	-577.86	-3.608e+05
122	80	2.276e+04	641.72	0.03	-2049.45	0.0	-1272.08	-2226.04	21.45	-8271.43	-1295.74	2.276e+04
		-3.194e+05	-1295.74	-4.35e-03	0.0	99.5	-1272.08	-4275.49	21.45	-8271.43	641.72	-3.194e+05
122	81	4.498e+04	1273.18	0.04	-2049.45	0.0	670.22	-2219.98	-21.61	-4072.53	1273.18	4.498e+04
		-2.933e+05	-679.91	6.44e-03	0.0	99.5	670.22	-4269.43	-21.61	-4072.53	-679.91	-2.933e+05
122	82	6.386e+04	539.68	0.04	-2049.45	0.0	-1044.45	-1953.50	18.57	-1.029e+04	-1505.64	6.386e+04
		-2.519e+05	-1505.64	-2.73e-03	0.0	99.5	-1044.45	-4002.95	18.57	-1.029e+04	539.68	-2.519e+05
122	87	3.363e+04	-13.01	0.04	-2049.45	0.0	-297.80	-2224.69	-0.04	-6113.18	-13.01	3.363e+04
		-3.068e+05	-17.14	1.02e-03	0.0	99.5	-297.80	-4274.14	-0.04	-6113.18	-17.14	-3.068e+05
122	88	3.387e+04	-11.28	0.04	-2049.45	0.0	-300.93	-2223.01	-0.08	-6171.98	-11.28	3.387e+04
		-3.064e+05	-19.09	1.05e-03	0.0	99.5	-300.93	-4272.46	-0.08	-6171.98	-19.09	-3.064e+05
122	89	3.363e+04	-13.01	0.04	-2049.45	0.0	-297.80	-2224.69	-0.04	-6113.18	-13.01	3.363e+04
		-3.068e+05	-17.14	1.02e-03	0.0	99.5	-297.80	-4274.14	-0.04	-6113.18	-17.14	-3.068e+05
122	92	3.718e+04	-5.86	0.04	-2244.53	0.0	-332.28	-2401.69	-0.20	-6970.96	-5.86	3.718e+04
		-3.319e+05	-26.20	1.13e-03	0.0	99.5	-332.28	-4646.21	-0.20	-6970.96	-26.20	-3.319e+05
122	93	3.913e+04	-10.24	0.04	-2439.60	0.0	-345.91	-2589.91	-0.12	-7436.76	-10.24	3.913e+04
		-3.599e+05	-22.26	1.08e-03	0.0	99.5	-345.91	-5029.52	-0.12	-7436.76	-22.26	-3.599e+05
122	95	3.969e+04	-6.21	0.04	-2439.60	0.0	-353.20	-2585.98	-0.21	-7573.95	-6.21	3.969e+04
		-3.589e+05	-26.81	1.14e-03	0.0	99.5	-353.20	-5025.59	-0.21	-7573.95	-26.81	-3.589e+05
122	100	3.363e+04	-13.01	0.04	-2049.45	0.0	-297.80	-2224.69	-0.04	-6113.18	-13.01	3.363e+04
		-3.068e+05	-17.14	1.02e-03	0.0	99.5	-297.80	-4274.14	-0.04	-6113.18	-17.14	-3.068e+05
122	101	3.403e+04	-10.13	0.04	-2049.45	0.0	-303.01	-2221.88	-0.10	-6211.18	-10.13	3.403e+04
		-3.061e+05	-20.39	1.06e-03	0.0	99.5	-303.01	-4271.34	-0.10	-6211.18	-20.39	-3.061e+05
122	102	3.473e+04	-12.46	0.04	-2127.48	0.0	-307.42	-2297.74	-0.06	-6377.90	-12.46	3.473e+04
		-3.174e+05	-18.17	1.04e-03	0.0	99.5	-307.42	-4425.22	-0.06	-6377.90	-18.17	-3.174e+05
122	104	3.497e+04	-10.73	0.04	-2127.48	0.0	-310.55	-2296.05	-0.09	-6436.70	-10.73	3.497e+04
		-3.170e+05	-20.12	1.06e-03	0.0	99.5	-310.55	-4423.53	-0.09	-6436.70	-20.12	-3.170e+05
122	105	3.363e+04	-13.01	0.04	-2049.45	0.0	-297.80	-2224.69	-0.04	-6113.18	-13.01	3.363e+04
		-3.068e+05	-17.14	1.02e-03	0.0	99.5	-297.80	-4274.14	-0.04	-6113.18	-17.14	-3.068e+05
122	106	3.387e+04	-11.28	0.04	-2049.45	0.0	-300.93	-2223.01	-0.08	-6171.98	-11.28	3.387e+04
		-3.064e+05	-19.09	1.05e-03	0.0	99.5	-300.93	-4272.46	-0.08	-6171.98	-19.09	-3.064e+05
123	3	1.280e+04	119.79	2.32e-03	-2957.04	0.0	-33.50	3669.38	-0.11	4073.75	119.79	-2.362e+05
		-2.362e+05	107.78	1.58e-03	0.0	108.0	-33.50	712.34	-0.11	4073.75	107.78	1.280e+04
123	9	1.488e+04	132.67	2.69e-03	-3592.26	0.0	-11.04	4413.76	-0.05	5778.61	132.67	-2.822e+05
		-2.822e+05	126.81	1.55e-03	0.0	108.0	-11.04	821.50	-0.05	5778.61	126.81	1.488e+04
123	11	1.482e+04	132.75	2.76e-03	-3592.26	0.0	-23.48	4418.62	-0.03	5758.90	132.75	-2.828e+05
		-2.828e+05	129.18	1.64e-03	0.0	108.0	-23.48	826.36	-0.03	5758.90	129.18	1.482e+04
123	18	1.459e+04	140.18	2.64e-03	-3274.65	0.0	-21.39	4093.90	-0.27	3899.24	140.18	-2.650e+05
		-2.650e+05	110.58	1.62e-03	0.0	108.0	-21.39	819.25	-0.27	3899.24	110.58	1.459e+04
123	19	1.034e+04	103.62	1.73e-03	-2159.38	0.0	-6.01	2730.88	-0.33	1833.73	103.62	-1.779e+05
		-1.779e+05	68.38	1.11e-03	0.0	108.0	-6.01	571.51	-0.33	1833.73	68.38	1.034e+04
123	20	1.133e+04	110.12	1.96e-03	-2476.99	0.0	-3.66	3106.55	-0.28	2672.08	110.12	-2.014e+05
		-2.014e+05	79.58	1.16e-03	0.0	108.0	-3.66	629.56	-0.28	2672.08	79.58	1.133e+04
123	32	1.524e+05	-3.08	-0.01	-2224.53	0.0	353.83	1273.39	0.44	7657.13	-136.36	1.076e+05

		1.076e+05	-136.36	3.94e-03	0.0	108.0	353.83	-951.14	0.44	7657.13	-3.08	1.342e+05
123	33	-1.149e+05	328.09	0.01	-2224.53	0.0	-388.08	4247.00	-0.81	-1587.61	328.09	-4.628e+05
		-4.628e+05	155.04	-1.63e-03	0.0	108.0	-388.08	2022.47	-0.81	-1587.61	155.04	-1.149e+05
123	39	1.737e+04	1187.65	-2.18e-03	-2224.53	0.0	2244.76	2616.75	15.96	-3421.66	-566.18	-1.547e+05
		-1.547e+05	-566.18	-2.95e-04	0.0	108.0	2244.76	392.22	15.96	-3421.66	1187.65	1.737e+04
123	42	2184.05	772.50	2.86e-03	-2224.53	0.0	-2272.74	2899.63	-16.58	9620.15	772.50	-1.998e+05
		-1.998e+05	-1047.86	2.53e-03	0.0	108.0	-2272.74	675.10	-16.58	9620.15	-1047.86	2184.05
123	47	3.509e+04	1243.43	-2.04e-03	-2224.53	0.0	2083.33	2472.17	16.24	1501.88	-539.04	-1.214e+05
		-1.214e+05	-539.04	5.56e-03	0.0	108.0	2083.33	247.64	16.24	1501.88	1243.43	3.509e+04
123	50	-1.554e+04	745.36	3.66e-03	-2224.53	0.0	-2111.31	3044.21	-16.85	4696.61	745.36	-2.331e+05
		-2.331e+05	-1103.64	-3.33e-03	0.0	108.0	-2111.31	819.68	-16.85	4696.61	-1103.64	-1.554e+04
123	64	7.877e+04	35.04	-5.89e-03	-2224.53	0.0	187.24	1946.82	0.26	5483.33	-39.90	-2.156e+04
		-2.156e+04	-39.90	2.19e-03	0.0	108.0	187.24	-277.71	0.26	5483.33	35.04	7.795e+04
123	65	-5.845e+04	222.01	7.77e-03	-2224.53	0.0	-217.10	3571.08	-0.48	554.92	222.01	-3.333e+05
		-3.333e+05	122.99	7.25e-05	0.0	108.0	-217.10	1346.55	-0.48	554.92	122.99	-5.845e+04
123	71	1.460e+04	694.10	-1.46e-03	-2224.53	0.0	1226.97	2666.94	8.71	-348.38	-263.59	-1.626e+05
		-1.626e+05	-263.59	1.99e-03	0.0	108.0	1226.97	442.41	8.71	-348.38	694.10	1.460e+04
123	74	4902.55	445.70	2.38e-03	-2224.53	0.0	-1256.84	2850.96	-8.94	6386.63	445.70	-1.923e+05
		-1.923e+05	-536.07	2.67e-04	0.0	108.0	-1256.84	626.43	-8.94	6386.63	-536.07	4902.55
123	79	2.437e+04	723.82	-1.38e-03	-2224.53	0.0	1135.88	2587.12	8.85	2365.77	-248.12	-1.442e+05
		-1.442e+05	-248.12	5.22e-03	0.0	108.0	1135.88	362.59	8.85	2365.77	723.82	2.437e+04
123	82	-4871.70	430.23	2.82e-03	-2224.53	0.0	-1165.75	2930.78	-9.08	3672.48	430.23	-2.107e+05
		-2.107e+05	-565.79	-2.96e-03	0.0	108.0	-1165.75	706.25	-9.08	3672.48	-565.79	-4871.70
123	87	9768.72	91.03	1.67e-03	-2224.53	0.0	-11.38	2757.56	-0.12	3024.76	91.03	-1.773e+05
		-1.773e+05	78.34	1.10e-03	0.0	108.0	-11.38	533.03	-0.12	3024.76	78.34	9768.72
123	88	9749.98	91.05	1.69e-03	-2224.53	0.0	-14.93	2758.95	-0.11	3019.13	91.05	-1.774e+05
		-1.774e+05	79.01	1.13e-03	0.0	108.0	-14.93	534.42	-0.11	3019.13	79.01	9749.98
123	91	9706.27	91.10	1.73e-03	-2224.53	0.0	-23.22	2762.19	-0.10	3005.99	91.10	-1.779e+05
		-1.779e+05	80.59	1.19e-03	0.0	108.0	-23.22	537.66	-0.10	3005.99	80.59	9706.27
123	93	1.109e+04	99.69	1.98e-03	-2648.01	0.0	-8.25	3258.44	-0.06	4142.56	99.69	-2.085e+05
		-2.085e+05	93.28	1.17e-03	0.0	108.0	-8.25	610.43	-0.06	4142.56	93.28	1.109e+04
123	95	1.105e+04	99.74	2.02e-03	-2648.01	0.0	-16.54	3261.68	-0.05	4129.42	99.74	-2.089e+05
		-2.089e+05	94.85	1.23e-03	0.0	108.0	-16.54	613.67	-0.05	4129.42	94.85	1.105e+04
123	96	1.028e+04	100.32	1.74e-03	-2224.53	0.0	-8.43	2791.52	-0.25	2343.88	100.32	-1.810e+05
		-1.810e+05	73.41	1.12e-03	0.0	108.0	-8.43	566.99	-0.25	2343.88	73.41	1.028e+04
123	97	1.094e+04	104.65	1.90e-03	-2436.27	0.0	-6.86	3041.96	-0.22	2902.78	104.65	-1.966e+05
		-1.966e+05	80.88	1.15e-03	0.0	108.0	-6.86	605.69	-0.22	2902.78	80.88	1.094e+04
123	99	1.090e+04	104.70	1.94e-03	-2436.27	0.0	-15.15	3045.20	-0.21	2889.65	104.70	-1.970e+05
		-1.970e+05	82.45	1.21e-03	0.0	108.0	-15.15	608.93	-0.21	2889.65	82.45	1.090e+04
123	100	9768.72	91.03	1.67e-03	-2224.53	0.0	-11.38	2757.56	-0.12	3024.76	91.03	-1.773e+05
		-1.773e+05	78.34	1.10e-03	0.0	108.0	-11.38	533.03	-0.12	3024.76	78.34	9768.72
123	101	9737.49	91.07	1.70e-03	-2224.53	0.0	-17.30	2759.87	-0.11	3015.37	91.07	-1.776e+05
		-1.776e+05	79.46	1.15e-03	0.0	108.0	-17.30	535.34	-0.11	3015.37	79.46	9737.49
123	102	1.003e+04	92.77	1.73e-03	-2309.23	0.0	-10.75	2857.74	-0.11	3248.32	92.77	-1.835e+05
		-1.835e+05	81.33	1.12e-03	0.0	108.0	-10.75	548.51	-0.11	3248.32	81.33	1.003e+04
123	104	1.001e+04	92.79	1.75e-03	-2309.23	0.0	-14.31	2859.12	-0.10	3242.69	92.79	-1.837e+05
		-1.837e+05	82.00	1.14e-03	0.0	108.0	-14.31	549.90	-0.10	3242.69	82.00	1.001e+04
123	105	9768.72	91.03	1.67e-03	-2224.53	0.0	-11.38	2757.56	-0.12	3024.76	91.03	-1.773e+05
		-1.773e+05	78.34	1.10e-03	0.0	108.0	-11.38	533.03	-0.12	3024.76	78.34	9768.72
123	106	9749.98	91.05	1.69e-03	-2224.53	0.0	-14.93	2758.95	-0.11	3019.13	91.05	-1.774e+05
		-1.774e+05	79.01	1.13e-03	0.0	108.0	-14.93	534.42	-0.11	3019.13	79.01	9749.98
124	5	-2.338e+04	153.56	1.33e-03	-1516.86	0.0	-105.90	-1401.48	2.69	-1350.72	-50.26	-2.338e+04
		-1.960e+05	-50.26	5.74e-04	0.0	75.9	-105.90	-2918.34	2.69	-1350.72	153.56	-1.960e+05
124	9	-3.762e+04	239.64	2.14e-03	-2523.40	0.0	-164.09	-2256.36	4.16	-2949.87	-75.65	-3.762e+04
		-3.186e+05	-75.65	8.16e-04	0.0	75.9	-164.09	-4779.76	4.16	-2949.87	239.64	-3.186e+05
124	11	-3.799e+04	239.31	2.13e-03	-2523.40	0.0	-166.24	-2242.52	4.13	-2929.63	-73.92	-3.799e+04
		-3.179e+05	-73.92	8.65e-04	0.0	75.9	-166.24	-4765.92	4.13	-2929.63	239.31	-3.179e+05
124	16	-3.510e+04	244.98	2.03e-03	-2300.29	0.0	-150.93	-2158.27	4.35	-1664.35	-84.91	-3.510e+04
		-2.996e+05	-84.91	8.05e-04	0.0	75.9	-150.93	-4458.56	4.35	-1664.35	244.98	-2.996e+05
124	19	-2.375e+04	175.13	1.38e-03	-1516.86	0.0	-103.20	-1480.62	3.15	-550.38	-63.88	-2.375e+04
		-2.029e+05	-63.88	5.86e-04	0.0	75.9	-103.20	-2997.48	3.15	-550.38	175.13	-2.029e+05
124	32	-8.280e+04	-89.49	-6.17e-03	-1562.63	0.0	1456.03	-2071.03	-4.57	6123.04	-89.49	-8.280e+04
		-3.180e+05	-228.52	6.62e-03	0.0	75.9	1456.03	-3633.66	-4.57	6123.04	-228.52	-3.180e+05
124	34	4.392e+04	182.29	4.95e-03	-1562.63	0.0	-658.32	-859.46	3.66	-1714.44	-332.85	4.392e+04
		-9.960e+04	-332.85	1.78e-03	0.0	75.9	-658.32	-2422.09	3.66	-1714.44	182.29	-9.960e+04
124	41	-2.141e+04	827.64	2.54e-03	-1562.63	0.0	-2108.88	-1148.58	14.62	-1.496e+04	827.64	-2.141e+04
		-1.435e+05	454.58	-9.85e-03	0.0	75.9	-2108.88	-2711.21	14.62	-1.496e+04	454.58	-1.435e+05
124	44	-2.734e+04	-507.28	-2.86e-03	-1562.63	0.0	1914.23	-1722.71	-9.14	1.186e+04	-507.28	-2.734e+04
		-2.595e+05	-551.49	0.01	0.0	75.9	1914.23	-3285.33	-9.14	1.186e+04	-551.49	-2.595e+05
124	45	-2.083e+04	820.46	2.51e-03	-1562.63	0.0	-2130.87	-1144.43	14.61	-1.476e+04	820.46	-2.083e+04
		-1.426e+05	449.67	-0.01	0.0	75.9	-2130.87	-2707.06	14.61	-1.476e+04	449.67	-1.426e+05
124	54	7153.59	-19.47	1.54e-03	-1562.63	0.0	521.36	-1336.59	10.38	155.13	-625.67	7153.59
		-1.621e+05	-625.67	-3.53e-03	0.0	75.9	521.36	-2899.22	10.38	155.13	-19.47	-1.621e+05
124	64	-5.603e+04	-54.00	-3.50e-03	-1562.63	0.0	751.98	-1784.00	-1.19	2676.24	-72.98	-5.603e+04
		-2.650e+05	-72.98	3.58e-03	0.0	75.9	751.98	-3346.63	-1.19	2676.24	-54.00	-2.650e+05
124	66	1.374e+04	170.63	2.66e-03	-1562.63	0.0	-401.76	-1117.75	3.29	-1647.38	170.63	1.374e+04
		-1.448e+05	-202.33	9.04e-04	0.0	75.9	-401.76	-2680.38	3.29	-1647.38	-202.33	-1.448e+05
124	73	-2.389e+04	522.57	1.94e-03	-1562.63	0.0	-1216.41	-1272.76	9.00	-8720.25	522.57	-2.389e+04
		-1.704e+05	223.43	-4.04e-03	0.0	75.9	-1216.41	-2835.39	9.00	-8720.25	223.43	-1.704e+05
124	76	-2.467e+04	-205.09	-1.74e-03	-1562.63	0.0	1010.87	-1594.16	-3.53	5728.32	-321.70	-2.467e+04

		-2.321e+05	-321.70	6.48e-03	0.0	75.9	1010.87	-3156.79	-3.53	5728.32	-205.09	-2.321e+05
124	77	-2.357e+04	518.60	1.93e-03	-1562.63	0.0	-1228.68	-1270.44	8.99	-8612.61	220.77	-2.357e+04
		-1.699e+05	220.77	-5.29e-03	0.0	75.9	-1228.68	-2833.07	8.99	-8612.61	518.60	-1.699e+05
124	86	-5685.01	64.17	1.39e-03	-1562.63	0.0	232.80	-1381.82	6.84	-716.22	-363.36	-5685.01
		-1.785e+05	-363.36	-2.77e-03	0.0	75.9	232.80	-2944.45	6.84	-716.22	64.17	-1.785e+05
124	87	-2.402e+04	156.85	1.37e-03	-1562.63	0.0	-108.29	-1436.25	2.74	-1447.93	-50.96	-2.402e+04
		-2.012e+05	-50.96	5.85e-04	0.0	75.9	-108.29	-2998.88	2.74	-1447.93	156.85	-2.012e+05
124	88	-2.412e+04	156.76	1.36e-03	-1562.63	0.0	-108.91	-1432.30	2.73	-1442.15	-50.46	-2.412e+04
		-2.010e+05	-50.46	5.98e-04	0.0	75.9	-108.91	-2994.93	2.73	-1442.15	156.76	-2.010e+05
124	89	-2.402e+04	156.85	1.37e-03	-1562.63	0.0	-108.29	-1436.25	2.74	-1447.93	-50.96	-2.402e+04
		-2.012e+05	-50.96	5.85e-04	0.0	75.9	-108.29	-2998.88	2.74	-1447.93	156.85	-2.012e+05
124	93	-2.786e+04	178.48	1.59e-03	-1860.11	0.0	-122.23	-1672.56	3.10	-2094.83	-56.76	-2.786e+04
		-2.357e+05	-56.76	6.15e-04	0.0	75.9	-122.23	-3532.66	3.10	-2094.83	178.48	-2.357e+05
124	95	-2.810e+04	178.26	1.58e-03	-1860.11	0.0	-123.67	-1663.33	3.08	-2081.34	-55.61	-2.810e+04
		-2.352e+05	-55.61	6.48e-04	0.0	75.9	-123.67	-3523.44	3.08	-2081.34	178.26	-2.352e+05
124	96	-2.426e+04	171.23	1.40e-03	-1562.63	0.0	-106.49	-1489.01	3.05	-914.37	-60.03	-2.426e+04
		-2.058e+05	-60.03	5.92e-04	0.0	75.9	-106.49	-3051.64	3.05	-914.37	171.23	-2.058e+05
124	97	-2.618e+04	182.04	1.51e-03	-1711.37	0.0	-113.46	-1607.16	3.23	-1237.82	-62.94	-2.618e+04
		-2.231e+05	-62.94	6.08e-04	0.0	75.9	-113.46	-3318.53	3.23	-1237.82	182.04	-2.231e+05
124	100	-2.402e+04	156.85	1.37e-03	-1562.63	0.0	-108.29	-1436.25	2.74	-1447.93	-50.96	-2.402e+04
		-2.012e+05	-50.96	5.85e-04	0.0	75.9	-108.29	-2998.88	2.74	-1447.93	156.85	-2.012e+05
124	102	-2.478e+04	161.18	1.41e-03	-1622.12	0.0	-111.08	-1483.51	2.81	-1577.31	-52.12	-2.478e+04
		-2.081e+05	-52.12	5.91e-04	0.0	75.9	-111.08	-3105.64	2.81	-1577.31	161.18	-2.081e+05
124	104	-2.489e+04	161.08	1.41e-03	-1622.12	0.0	-111.69	-1479.56	2.80	-1571.53	-51.63	-2.489e+04
		-2.079e+05	-51.63	6.04e-04	0.0	75.9	-111.69	-3101.68	2.80	-1571.53	161.08	-2.079e+05
124	105	-2.402e+04	156.85	1.37e-03	-1562.63	0.0	-108.29	-1436.25	2.74	-1447.93	-50.96	-2.402e+04
		-2.012e+05	-50.96	5.85e-04	0.0	75.9	-108.29	-2998.88	2.74	-1447.93	156.85	-2.012e+05
124	106	-2.412e+04	156.76	1.36e-03	-1562.63	0.0	-108.91	-1432.30	2.73	-1442.15	-50.46	-2.412e+04
		-2.010e+05	-50.46	5.98e-04	0.0	75.9	-108.91	-2994.93	2.73	-1442.15	156.76	-2.010e+05
125	5	1.015e+05	73.67	-0.04	-2649.24	0.0	-169.56	3775.41	-1.44	4130.41	73.67	-2.413e+05
		-2.413e+05	-116.88	1.04e-03	0.0	132.5	-169.56	1126.17	-1.44	4130.41	-116.88	1.015e+05
125	9	1.643e+05	114.76	-0.07	-4407.17	0.0	-271.33	6197.75	-2.22	8090.94	114.76	-3.934e+05
		-3.934e+05	-179.63	1.49e-03	0.0	132.5	-271.33	1790.58	-2.22	8090.94	-179.63	1.643e+05
125	11	1.641e+05	113.01	-0.07	-4407.17	0.0	-275.20	6200.86	-2.22	8109.35	113.01	-3.940e+05
		-3.940e+05	-181.65	1.57e-03	0.0	132.5	-275.20	1793.69	-2.22	8109.35	-181.65	1.641e+05
125	16	1.557e+05	120.92	-0.06	-4017.51	0.0	-252.64	5762.50	-2.30	5677.95	120.92	-3.698e+05
		-3.698e+05	-184.33	1.47e-03	0.0	132.5	-252.64	1744.99	-2.30	5677.95	-184.33	1.557e+05
125	18	1.555e+05	119.17	-0.06	-4017.51	0.0	-256.52	5765.61	-2.31	5696.36	119.17	-3.704e+05
		-3.704e+05	-186.34	1.56e-03	0.0	132.5	-256.52	1748.10	-2.31	5696.36	-186.34	1.555e+05
125	32	1.621e+05	20.60	-0.04	-2729.17	0.0	671.63	3539.42	-2.03	1.042e+04	20.60	-1.446e+05
		-1.446e+05	-251.02	0.01	0.0	132.5	671.63	810.25	-2.03	1.042e+04	-251.02	1.621e+05
125	33	4.612e+04	128.58	-0.04	-2729.17	0.0	-1028.33	4227.03	-0.91	-1677.97	128.58	-3.515e+05
		-3.515e+05	10.24	-9.87e-03	0.0	132.5	-1028.33	1497.86	-0.91	-1677.97	10.24	4.612e+04
125	43	1.019e+05	761.64	-0.04	-2729.17	0.0	1656.58	3818.62	8.05	-6640.73	-374.69	-2.418e+05
		-2.418e+05	-374.69	-0.02	0.0	132.5	1656.58	1089.45	8.05	-6640.73	761.64	1.019e+05
125	46	1.063e+05	524.16	-0.04	-2729.17	0.0	-2005.79	3948.12	-10.99	1.536e+04	524.16	-2.545e+05
		-2.545e+05	-1001.22	0.02	0.0	132.5	-2005.79	1218.95	-10.99	1.536e+04	-1001.22	1.063e+05
125	64	1.359e+05	44.92	-0.04	-2729.17	0.0	307.38	3694.65	-1.76	7598.14	44.92	-1.914e+05
		-1.914e+05	-191.21	6.56e-03	0.0	132.5	307.38	965.49	-1.76	7598.14	-191.21	1.359e+05
125	65	7.223e+04	104.25	-0.04	-2729.17	0.0	-657.88	4072.58	-1.17	1128.30	104.25	-3.049e+05
		-3.049e+05	-48.66	-4.39e-03	0.0	132.5	-657.88	1343.41	-1.17	1128.30	-48.66	7.223e+04
125	75	1.031e+05	353.34	-0.04	-2729.17	0.0	769.58	3847.06	3.70	-1355.75	-172.79	-2.441e+05
		-2.441e+05	-172.79	-8.15e-03	0.0	132.5	769.58	1117.89	3.70	-1355.75	353.34	1.031e+05
125	78	1.051e+05	321.96	-0.04	-2729.17	0.0	-1120.08	3920.17	-6.63	1.008e+04	321.96	-2.523e+05
		-2.523e+05	-593.21	0.01	0.0	132.5	-1120.08	1191.00	-6.63	1.008e+04	-593.21	1.051e+05
125	87	1.041e+05	75.08	-0.04	-2729.17	0.0	-174.14	3882.73	-1.47	4357.96	75.08	-2.480e+05
		-2.480e+05	-119.36	1.06e-03	0.0	132.5	-174.14	1153.56	-1.47	4357.96	-119.36	1.041e+05
125	88	1.041e+05	74.59	-0.04	-2729.17	0.0	-175.25	3883.61	-1.47	4363.22	74.59	-2.482e+05
		-2.482e+05	-119.94	1.09e-03	0.0	132.5	-175.25	1154.45	-1.47	4363.22	-119.94	1.041e+05
125	89	1.041e+05	75.08	-0.04	-2729.17	0.0	-174.14	3882.73	-1.47	4357.96	75.08	-2.480e+05
		-2.480e+05	-119.36	1.06e-03	0.0	132.5	-174.14	1153.56	-1.47	4357.96	-119.36	1.041e+05
125	93	1.216e+05	85.57	-0.05	-3248.72	0.0	-201.05	4577.98	-1.66	5823.33	85.57	-2.909e+05
		-2.909e+05	-134.01	1.12e-03	0.0	132.5	-201.05	1329.27	-1.66	5823.33	-134.01	1.216e+05
125	95	1.215e+05	84.41	-0.05	-3248.72	0.0	-203.63	4580.06	-1.66	5835.59	84.41	-2.913e+05
		-2.913e+05	-135.36	1.18e-03	0.0	132.5	-203.63	1331.34	-1.66	5835.59	-135.36	1.215e+05
125	97	1.159e+05	89.68	-0.05	-2988.94	0.0	-188.59	4287.82	-1.71	4214.67	89.68	-2.751e+05
		-2.751e+05	-137.14	1.11e-03	0.0	132.5	-188.59	1298.87	-1.71	4214.67	-137.14	1.159e+05
125	99	1.158e+05	88.52	-0.05	-2988.94	0.0	-191.17	4289.89	-1.71	4226.94	88.52	-2.755e+05
		-2.755e+05	-138.48	1.17e-03	0.0	132.5	-191.17	1300.95	-1.71	4226.94	-138.48	1.158e+05
125	100	1.041e+05	75.08	-0.04	-2729.17	0.0	-174.14	3882.73	-1.47	4357.96	75.08	-2.480e+05
		-2.480e+05	-119.36	1.06e-03	0.0	132.5	-174.14	1153.56	-1.47	4357.96	-119.36	1.041e+05
125	102	1.076e+05	77.18	-0.04	-2833.08	0.0	-179.52	4021.78	-1.51	4651.03	77.18	-2.566e+05
		-2.566e+05	-122.29	1.07e-03	0.0	132.5	-179.52	1188.70	-1.51	4651.03	-122.29	1.076e+05
125	104	1.076e+05	76.68	-0.04	-2833.08	0.0	-180.63	4022.67	-1.51	4656.29	76.68	-2.567e+05
		-2.567e+05	-122.87	1.10e-03	0.0	132.5	-180.63	1189.59	-1.51	4656.29	-122.87	1.076e+05
125	105	1.041e+05	75.08	-0.04	-2729.17	0.0	-174.14	3882.73	-1.47	4357.96	75.08	-2.480e+05
		-2.480e+05	-119.36	1.06e-03	0.0	132.5	-174.14	1153.56	-1.47	4357.96	-119.36	1.041e+05
125	106	1.041e+05	74.59	-0.04	-2729.17	0.0	-175.25	3883.61	-1.47	4363.22	74.59	-2.482e+05
		-2.482e+05	-119.94	1.09e-03	0.0	132.5	-175.25	1154.45	-1.47	4363.22	-119.94	1.041e+05
126	7	1.625e+05	-12.32	-0.01	-2147.40	0.0	-130.85	1463.60	1.00	1730.83	-119.73	1.075e+05

		1.075e+05	-119.73	9.09e-04	0.0	107.4	-130.85	-683.80	1.00	1730.83	-12.32	1.515e+05
126	11	2.641e+05	-22.89	-0.02	-3572.33	0.0	-209.98	2417.31	1.48	2988.99	-181.62	1.740e+05
		1.740e+05	-181.62	1.23e-03	0.0	107.4	-209.98	-1155.02	1.48	2988.99	-22.89	2.452e+05
126	18	2.490e+05	-23.82	-0.02	-3256.48	0.0	-191.76	2223.05	1.51	2490.92	-186.32	1.652e+05
		1.652e+05	-186.32	1.21e-03	0.0	107.4	-191.76	-1033.43	1.51	2490.92	-23.82	2.325e+05
126	19	1.688e+05	-17.88	-0.01	-2147.40	0.0	-126.39	1474.16	1.07	1501.68	-132.55	1.127e+05
		1.127e+05	-132.55	8.31e-04	0.0	107.4	-126.39	-673.23	1.07	1501.68	-17.88	1.582e+05
126	34	1.586e+05	-146.07	-0.02	-2212.19	0.0	-1424.36	1727.45	3.65	8587.46	-496.46	8.669e+04
		8.669e+04	-496.46	2.46e-03	0.0	107.4	-1424.36	-484.73	3.65	8587.46	-146.07	1.529e+05
126	35	1.777e+05	-302.18	-5.17e-03	-2212.19	0.0	1118.56	1292.82	-1.33	-2994.74	226.70	1.343e+05
		1.343e+05	109.15	6.13e-03	0.0	107.4	1118.56	-919.37	-1.33	-2994.74	109.15	1.592e+05
126	43	1.690e+05	761.52	-0.01	-2212.19	0.0	1242.61	1415.53	-5.43	-9654.44	761.52	1.191e+05
		1.191e+05	273.10	-0.02	0.0	107.4	1242.61	-796.66	-5.43	-9654.44	273.10	1.544e+05
126	46	1.650e+05	-302.18	-0.01	-2212.19	0.0	-1506.19	1591.06	7.39	1.318e+04	-1001.07	1.018e+05
		1.018e+05	-1001.07	0.02	0.0	107.4	-1506.19	-621.13	7.39	1.318e+04	-302.18	1.563e+05
126	66	1.623e+05	-84.67	-0.01	-2212.19	0.0	-822.62	1627.24	2.41	5414.40	-320.91	9.734e+04
		9.734e+04	-320.91	1.25e-03	0.0	107.4	-822.62	-584.95	2.41	5414.40	-84.67	1.543e+05
126	67	1.725e+05	65.64	-7.47e-03	-2212.19	0.0	539.32	1387.47	-0.26	-755.03	65.64	1.236e+05
		1.236e+05	51.30	4.22e-03	0.0	107.4	539.32	-824.71	-0.26	-755.03	51.30	1.572e+05
126	75	1.679e+05	353.31	-0.01	-2212.19	0.0	569.35	1454.53	-2.44	-4198.24	353.31	1.153e+05
		1.153e+05	141.46	-6.82e-03	0.0	107.4	569.35	-757.66	-2.44	-4198.24	141.46	1.547e+05
126	78	1.658e+05	-170.28	-0.01	-2212.19	0.0	-833.77	1552.52	4.40	7733.06	-593.15	1.056e+05
		1.056e+05	-593.15	8.51e-03	0.0	107.4	-833.77	-659.67	4.40	7733.06	-170.28	1.561e+05
126	87	1.669e+05	-14.86	-0.01	-2212.19	0.0	-131.63	1502.71	0.97	1760.19	-119.35	1.105e+05
		1.105e+05	-119.35	8.28e-04	0.0	107.4	-131.63	-709.48	0.97	1760.19	-14.86	1.553e+05
126	88	1.669e+05	-14.41	-0.01	-2212.19	0.0	-132.21	1503.52	0.98	1767.41	-119.92	1.105e+05
		1.105e+05	-119.92	8.47e-04	0.0	107.4	-132.21	-708.66	0.98	1767.41	-14.41	1.554e+05
126	91	1.669e+05	-13.38	-0.01	-2212.19	0.0	-133.54	1505.42	1.00	1784.25	-121.26	1.104e+05
		1.104e+05	-121.26	8.92e-04	0.0	107.4	-133.54	-706.77	1.00	1784.25	-13.38	1.555e+05
126	95	1.954e+05	-17.03	-0.01	-2633.32	0.0	-155.11	1783.12	1.10	2183.72	-135.34	1.288e+05
		1.288e+05	-135.34	9.18e-04	0.0	107.4	-155.11	-850.20	1.10	2183.72	-17.03	1.815e+05
126	96	1.711e+05	-17.08	-0.01	-2212.19	0.0	-130.56	1512.46	1.05	1631.48	-129.80	1.139e+05
		1.139e+05	-129.80	8.40e-04	0.0	107.4	-130.56	-699.73	1.05	1631.48	-17.08	1.599e+05
126	99	1.854e+05	-17.65	-0.01	-2422.75	0.0	-142.97	1653.61	1.12	1851.67	-138.47	1.230e+05
		1.230e+05	-138.47	9.07e-04	0.0	107.4	-142.97	-769.14	1.12	1851.67	-17.65	1.730e+05
126	100	1.669e+05	-14.86	-0.01	-2212.19	0.0	-131.63	1502.71	0.97	1760.19	-119.35	1.105e+05
		1.105e+05	-119.35	8.28e-04	0.0	107.4	-131.63	-709.48	0.97	1760.19	-14.86	1.553e+05
126	101	1.669e+05	-14.12	-0.01	-2212.19	0.0	-132.59	1504.06	0.99	1772.22	-120.30	1.104e+05
		1.104e+05	-120.30	8.60e-04	0.0	107.4	-132.59	-708.12	0.99	1772.22	-14.12	1.554e+05
126	104	1.726e+05	-15.06	-0.01	-2296.41	0.0	-136.63	1559.23	1.00	1848.74	-122.85	1.142e+05
		1.142e+05	-122.85	8.56e-04	0.0	107.4	-136.63	-737.19	1.00	1848.74	-15.06	1.606e+05
126	105	1.669e+05	-14.86	-0.01	-2212.19	0.0	-131.63	1502.71	0.97	1760.19	-119.35	1.105e+05
		1.105e+05	-119.35	8.28e-04	0.0	107.4	-131.63	-709.48	0.97	1760.19	-14.86	1.553e+05
126	106	1.669e+05	-14.41	-0.01	-2212.19	0.0	-132.21	1503.52	0.98	1767.41	-119.92	1.105e+05
		1.105e+05	-119.92	8.47e-04	0.0	107.4	-132.21	-708.66	0.98	1767.41	-14.41	1.554e+05
127	5	-9.752e+04	84.87	1.98e-03	-753.84	0.0	-98.63	2724.18	-1.73	895.49	84.87	-1.898e+05
		-1.898e+05	19.56	2.82e-04	0.0	37.7	-98.63	1970.34	-1.73	895.49	19.56	-9.752e+04
127	11	-1.600e+05	131.91	3.22e-03	-1254.06	0.0	-159.86	4466.40	-2.61	2815.78	131.91	-3.109e+05
		-3.109e+05	33.47	4.25e-04	0.0	37.7	-159.86	3212.34	-2.61	2815.78	33.47	-1.600e+05
127	16	-1.495e+05	137.69	3.02e-03	-1143.18	0.0	-141.71	4171.19	-2.88	601.72	137.69	-2.911e+05
		-2.911e+05	29.03	3.97e-04	0.0	37.7	-141.71	3028.01	-2.88	601.72	29.03	-1.495e+05
127	19	-1.006e+05	99.30	2.05e-03	-753.84	0.0	-97.13	2805.27	-2.13	-649.08	99.30	-1.963e+05
		-1.963e+05	19.08	2.88e-04	0.0	37.7	-97.13	2051.43	-2.13	-649.08	19.08	-1.006e+05
127	32	-6941.91	-48.27	-2.77e-03	-776.58	0.0	424.21	2053.94	8.14	9545.02	-445.87	-7.311e+04
		-7.311e+04	-445.87	3.63e-03	0.0	37.7	424.21	1277.35	8.14	9545.02	-48.27	-6941.91
127	33	-1.937e+05	619.88	6.84e-03	-776.58	0.0	-638.39	3549.12	-11.64	-7455.22	619.88	-3.173e+05
		-3.173e+05	90.47	-3.03e-03	0.0	37.7	-638.39	2772.53	-11.64	-7455.22	90.47	-1.937e+05
127	43	-9.719e+04	663.92	2.30e-03	-776.58	0.0	2241.10	2499.49	13.07	-7936.61	409.57	-1.826e+05
		-1.826e+05	409.57	-5.84e-03	0.0	37.7	2241.10	1722.91	13.07	-7936.61	663.92	-9.719e+04
127	46	-1.035e+05	-236.39	1.79e-03	-776.58	0.0	-2446.13	3104.19	-16.58	1.000e+04	-236.39	-2.079e+05
		-2.079e+05	-622.97	6.42e-03	0.0	37.7	-2446.13	2327.61	-16.58	1.000e+04	-622.97	-1.035e+05
127	64	-4.922e+04	-20.03	-5.36e-04	-776.58	0.0	206.19	2391.94	3.70	5585.28	-206.20	-1.284e+05
		-1.284e+05	-206.20	1.97e-03	0.0	37.7	206.19	1615.35	3.70	5585.28	-20.03	-4.922e+04
127	65	-1.516e+05	379.42	4.61e-03	-776.58	0.0	-413.36	3212.46	-7.20	-3518.62	379.42	-2.622e+05
		-2.622e+05	61.35	-1.38e-03	0.0	37.7	-413.36	2435.88	-7.20	-3518.62	61.35	-1.516e+05
127	73	-1.261e+05	397.12	3.57e-03	-776.58	0.0	781.54	2882.33	2.27	-5278.16	397.12	-2.249e+05
		-2.249e+05	350.73	-2.34e-03	0.0	37.7	781.54	2105.75	2.27	-5278.16	350.73	-1.261e+05
127	75	-9.788e+04	380.23	2.17e-03	-776.58	0.0	1110.43	2632.11	6.33	-3461.07	264.48	-1.873e+05
		-1.873e+05	264.48	-2.53e-03	0.0	37.7	1110.43	1855.53	6.33	-3461.07	380.23	-9.788e+04
127	78	-1.029e+05	-91.26	1.91e-03	-776.58	0.0	-1317.60	2972.29	-9.83	5527.73	-91.26	-2.033e+05
		-2.033e+05	-338.92	3.12e-03	0.0	37.7	-1317.60	2195.70	-9.83	5527.73	-338.92	-1.029e+05
127	87	-1.003e+05	86.66	2.03e-03	-776.58	0.0	-101.33	2800.98	-1.76	1032.58	86.66	-1.951e+05
		-1.951e+05	20.24	2.87e-04	0.0	37.7	-101.33	2024.40	-1.76	1032.58	20.24	-1.003e+05
127	88	-1.004e+05	86.61	2.04e-03	-776.58	0.0	-103.58	2802.20	-1.75	1033.33	86.61	-2.033e+05
		-2.033e+05	20.66	2.94e-04	0.0	37.7	-103.58	2025.62	-1.75	1033.33	20.66	-1.004e+05
127	89	-1.003e+05	86.66	2.03e-03	-776.58	0.0	-101.33	2800.98	-1.76	1032.58	86.66	-1.951e+05
		-1.951e+05	20.24	2.87e-04	0.0	37.7	-101.33	2024.40	-1.76	1032.58	20.24	-1.003e+05
127	95	-1.182e+05	98.30	2.38e-03	-924.42	0.0	-118.29	3299.86	-1.96	1923.47	98.30	-2.297e+05
		-2.297e+05	24.56	3.18e-04	0.0	37.7	-118.29	2375.44	-1.96	1923.47	24.56	-1.182e+05
127	96	-1.024e+05	96.28	2.08e-03	-776.58	0.0	-100.33	2855.04	-2.03	2.87	96.28	-1.994e+05

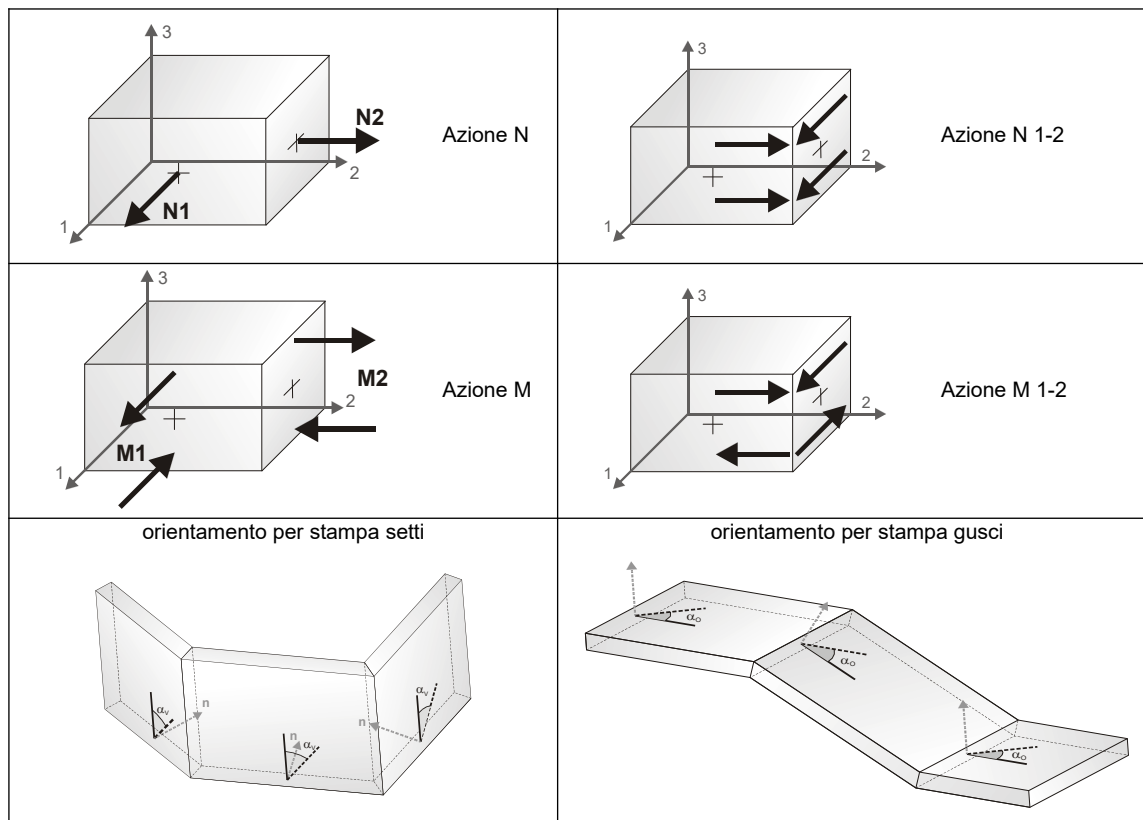
		-1.994e+05	19.92	2.91e-04	0.0	37.7	-100.33	2078.46	-2.03	2.87	19.92-1.024e+05
127	97	-1.112e+05	102.16	2.25e-03	-850.50	0.0	-106.18	3103.06	-2.14	447.43	102.16-2.166e+05
		-2.166e+05	21.60	2.99e-04	0.0	37.7	-106.18	2252.56	-2.14	447.43	21.60-1.112e+05
127	100	-1.003e+05	86.66	2.03e-03	-776.58	0.0	-101.33	2800.98	-1.76	1032.58	86.66-1.951e+05
		-1.951e+05	20.24	2.87e-04	0.0	37.7	-101.33	2024.40	-1.76	1032.58	20.24-1.003e+05
127	102	-1.038e+05	89.01	2.10e-03	-806.15	0.0	-103.67	2900.19	-1.81	1210.40	89.01-2.020e+05
		-2.020e+05	20.91	2.90e-04	0.0	37.7	-103.67	2094.04	-1.81	1210.40	20.91-1.038e+05
127	104	-1.039e+05	88.96	2.11e-03	-806.15	0.0	-105.92	2901.41	-1.79	1211.16	88.96-2.021e+05
		-2.021e+05	21.33	2.97e-04	0.0	37.7	-105.92	2095.26	-1.79	1211.16	21.33-1.039e+05
127	105	-1.003e+05	86.66	2.03e-03	-776.58	0.0	-101.33	2800.98	-1.76	1032.58	86.66-1.951e+05
		-1.951e+05	20.24	2.87e-04	0.0	37.7	-101.33	2024.40	-1.76	1032.58	20.24-1.003e+05
127	106	-1.004e+05	86.61	2.04e-03	-776.58	0.0	-103.58	2802.20	-1.75	1033.33	86.61-1.953e+05
		-1.953e+05	20.66	2.94e-04	0.0	37.7	-103.58	2025.62	-1.75	1033.33	20.66-1.004e+05
128	9	2.334e+05	129.03	0.08	-5890.60	0.0	-152.76	-372.58	0.87	-5521.13	-24.43-2.334e+05
		-3.883e+05	-24.43	1.85e-03	0.0	177.1	-152.76	-6263.18	0.87	-5521.13	129.03-3.883e+05
128	11	2.335e+05	134.08	0.08	-5890.60	0.0	-152.31	-369.66	0.89	-5500.86	-22.88-2.335e+05
		-3.876e+05	-22.88	1.96e-03	0.0	177.1	-152.31	-6260.27	0.89	-5500.86	134.08-3.876e+05
128	16	2.212e+05	130.86	0.08	-5369.78	0.0	-135.88	-430.42	0.88	-3737.36	-25.36-2.212e+05
		-3.639e+05	-25.36	1.83e-03	0.0	177.1	-135.88	-5800.20	0.88	-3737.36	130.86-3.639e+05
128	18	2.213e+05	135.91	0.08	-5369.78	0.0	-135.44	-427.50	0.90	-3717.10	-23.80-2.213e+05
		-3.632e+05	-23.80	1.93e-03	0.0	177.1	-135.44	-5797.28	0.90	-3717.10	135.91-3.632e+05
128	21	1.507e+05	99.84	0.05	-3540.96	0.0	-87.74	-331.56	0.66	-1722.00	-16.31-1.507e+05
		-2.449e+05	-16.31	1.44e-03	0.0	177.1	-87.74	-3872.52	0.66	-1722.00	99.84-2.449e+05
128	31	1.120e+05	293.85	0.05	-3647.79	0.0	983.17	-502.38	0.95	-4267.32	118.10-1.120e+05
		-3.219e+05	118.10	-1.34e-03	0.0	177.1	983.17	-4150.17	0.95	-4267.32	293.85-3.219e+05
128	32	1.000e+05	15.71	0.05	-3647.79	0.0	497.34	-512.47	-0.62	2583.77	-45.43-1.000e+05
		-3.355e+05	-45.43	0.02	0.0	177.1	497.34	-4160.26	-0.62	2583.77	15.71-3.355e+05
128	33	1.958e+05	167.93	0.05	-3647.79	0.0	-688.73	-20.63	1.81	-8323.72	17.46-1.958e+05
		-1.531e+05	17.46	-0.01	0.0	177.1	-688.73	-3668.43	1.81	-8323.72	167.93-1.531e+05
128	34	1.838e+05	-110.20	0.05	-3647.79	0.0	-1174.57	-30.73	0.24	-1472.62	-146.06-1.838e+05
		-1.667e+05	-146.06	4.10e-03	0.0	177.1	-1174.57	-3678.52	0.24	-1472.62	-110.20-1.667e+05
128	39	1.556e+05	579.09	0.05	-3647.79	0.0	932.91	-319.95	3.40	-1.330e+04	243.70-1.556e+05
		-2.462e+05	243.70	-0.03	0.0	177.1	932.91	-3967.74	3.40	-1.330e+04	579.09-2.462e+05
128	42	1.402e+05	-272.76	0.05	-3647.79	0.0	-1120.28	-212.88	-2.22	7533.95	-272.76-1.402e+05
		-2.423e+05	-399.66	0.04	0.0	177.1	-1120.28	-3860.67	-2.22	7533.95	-399.66-2.423e+05
128	63	1.281e+05	206.15	0.05	-3647.79	0.0	487.88	-396.36	0.80	-3545.86	55.87-1.281e+05
		-2.872e+05	55.87	6.43e-04	0.0	177.1	487.88	-4044.15	0.80	-3545.86	206.15-2.872e+05
128	64	1.217e+05	45.49	0.05	-3647.79	0.0	240.53	-401.35	-0.08	31.93	-33.02-1.217e+05
		-2.942e+05	-33.02	9.12e-03	0.0	177.1	240.53	-4049.14	-0.08	31.93	45.49-2.942e+05
128	65	1.742e+05	135.15	0.05	-3647.79	0.0	-428.16	-131.01	1.26	-5788.98	4.22-1.742e+05
		-1.942e+05	4.22	-6.41e-03	0.0	177.1	-428.16	-3778.80	1.26	-5788.98	135.15-1.942e+05
128	66	1.678e+05	-25.51	0.05	-3647.79	0.0	-675.51	-135.99	0.38	-2211.19	-84.67-1.678e+05
		-2.013e+05	-84.67	2.07e-03	0.0	177.1	-675.51	-3783.79	0.38	-2211.19	-25.51-2.013e+05
128	71	1.519e+05	372.57	0.05	-3647.79	0.0	436.98	-296.62	2.17	-8288.89	126.47-1.519e+05
		-2.461e+05	126.47	-0.01	0.0	177.1	436.98	-3944.41	2.17	-8288.89	372.57-2.461e+05
128	74	1.440e+05	-155.27	0.05	-3647.79	0.0	-624.60	-235.74	-0.98	2531.84	-155.27-1.440e+05
		-2.424e+05	-191.93	0.02	0.0	177.1	-624.60	-3883.53	-0.98	2531.84	-191.93-2.424e+05
128	87	1.479e+05	88.88	0.05	-3647.79	0.0	-93.94	-267.01	0.59	-2884.32	-14.85-1.479e+05
		-2.444e+05	-14.85	1.33e-03	0.0	177.1	-93.94	-3914.80	0.59	-2884.32	88.88-2.444e+05
128	88	1.479e+05	90.32	0.05	-3647.79	0.0	-93.81	-266.18	0.59	-2878.53	-14.40-1.479e+05
		-2.442e+05	-14.40	1.36e-03	0.0	177.1	-93.81	-3913.97	0.59	-2878.53	90.32-2.442e+05
128	93	1.727e+05	96.69	0.06	-4342.22	0.0	-112.49	-282.61	0.65	-3956.87	-18.06-1.727e+05
		-2.871e+05	-18.06	1.40e-03	0.0	177.1	-112.49	-4624.83	0.65	-3956.87	96.69-2.871e+05
128	95	1.728e+05	100.05	0.06	-4342.22	0.0	-112.20	-280.67	0.66	-3943.36	-17.02-1.728e+05
		-2.867e+05	-17.02	1.47e-03	0.0	177.1	-112.20	-4622.88	0.66	-3943.36	100.05-2.867e+05
128	97	1.646e+05	97.91	0.06	-3995.00	0.0	-101.24	-321.17	0.66	-2767.69	-18.68-1.646e+05
		-2.708e+05	-18.68	1.38e-03	0.0	177.1	-101.24	-4316.17	0.66	-2767.69	97.91-2.708e+05
128	98	1.523e+05	97.37	0.05	-3647.79	0.0	-91.67	-311.42	0.64	-2217.90	-16.03-1.523e+05
		-2.491e+05	-16.03	1.41e-03	0.0	177.1	-91.67	-3959.21	0.64	-2217.90	97.37-2.491e+05
128	99	1.647e+05	101.27	0.06	-3995.00	0.0	-100.95	-319.22	0.67	-2754.18	-17.64-1.647e+05
		-2.704e+05	-17.64	1.45e-03	0.0	177.1	-100.95	-4314.23	0.67	-2754.18	101.27-2.704e+05
128	101	1.480e+05	91.28	0.05	-3647.79	0.0	-93.73	-265.62	0.60	-2874.67	-14.10-1.480e+05
		-2.441e+05	-14.10	1.38e-03	0.0	177.1	-93.73	-3913.41	0.60	-2874.67	91.28-2.441e+05
128	102	1.529e+05	90.44	0.05	-3786.68	0.0	-97.65	-270.13	0.60	-3098.83	-15.49-1.529e+05
		-2.530e+05	-15.49	1.34e-03	0.0	177.1	-97.65	-4056.81	0.60	-3098.83	90.44-2.530e+05
128	104	1.529e+05	91.88	0.05	-3786.68	0.0	-97.52	-269.30	0.60	-3093.04	-15.04-1.529e+05
		-2.528e+05	-15.04	1.37e-03	0.0	177.1	-97.52	-4055.97	0.60	-3093.04	91.88-2.528e+05
128	105	1.479e+05	88.88	0.05	-3647.79	0.0	-93.94	-267.01	0.59	-2884.32	-14.85-1.479e+05
		-2.444e+05	-14.85	1.33e-03	0.0	177.1	-93.94	-3914.80	0.59	-2884.32	88.88-2.444e+05
128	106	1.479e+05	90.32	0.05	-3647.79	0.0	-93.81	-266.18	0.59	-2878.53	-14.40-1.479e+05
		-2.442e+05	-14.40	1.36e-03	0.0	177.1	-93.81	-3913.97	0.59	-2878.53	90.32-2.442e+05
131	5	1.900e+05	105.46	0.03	-2149.38	0.0	-179.74	-272.24	-0.90	5454.84	105.46-1.900e+05
		3.807e+04	9.00	1.05e-03	0.0	107.5	-179.74	-2421.62	-0.90	5454.84	9.00-3.807e+04
131	7	1.901e+05	115.43	0.03	-2149.38	0.0	-183.24	-266.68	-1.09	5720.51	115.43-1.901e+05
		3.898e+04	-1.87	1.17e-03	0.0	107.5	-183.24	-2416.07	-1.09	5720.51	-1.87-3.898e+04
131	11	3.089e+05	189.24	0.05	-3575.63	0.0	-307.25	-397.04	-1.71	8565.84	189.24-3.089e+05
		6.227e+04	5.35	1.57e-03	0.0	107.5	-307.25	-3972.67	-1.71	8565.84	5.35-6.227e+04
131	31	1.614e+05	605.77	0.04	-2214.23	0.0	-844.05	-836.67	-0.79	1.052e+04	396.35-1.614e+05
		-5.164e+04	396.35	4.13e-03	0.0	107.5	-844.05	-3050.90	-0.79	1.052e+04	605.77-5.164e+04
131	33	2.394e+05	93.71	0.02	-2214.23	0.0	-239.87	230.97	5.88	3857.93	-65.37-2.394e+05

		1.203e+05	-65.37	-1.35e-03	0.0	107.5	-239.87	-1983.26	5.88	3857.93	93.71	1.203e+05
131	47	1.979e+05	1616.01	0.03	-2214.23	0.0	-1593.07	-528.85	10.69	1.066e+04	277.77	1.979e+05
		2.209e+04	277.77	4.64e-03	0.0	107.5	-1593.07	-2743.08	10.69	1.066e+04	1616.01	2.209e+04
131	50	1.921e+05	-54.57	0.03	-2214.23	0.0	1222.90	-16.24	-12.50	-445.81	-54.57	1.921e+05
		5.614e+04	-1588.23	-2.48e-03	0.0	107.5	1222.90	-2230.48	-12.50	-445.81	-1588.23	5.614e+04
131	63	1.776e+05	331.52	0.03	-2214.23	0.0	-546.30	-580.28	-0.93	8515.26	269.63	1.776e+05
		-1.012e+04	269.63	3.25e-03	0.0	107.5	-546.30	-2794.51	-0.93	8515.26	331.52	-1.012e+04
131	65	2.184e+05	51.25	0.03	-2214.23	0.0	-216.31	3.92	2.74	4881.00	16.05	2.184e+05
		8.413e+04	16.05	2.06e-04	0.0	107.5	-216.31	-2210.31	2.74	4881.00	51.25	8.413e+04
131	79	1.969e+05	877.19	0.03	-2214.23	0.0	-954.58	-407.44	5.23	9070.95	208.24	1.969e+05
		3.113e+04	208.24	4.68e-03	0.0	107.5	-954.58	-2621.67	5.23	9070.95	877.19	3.113e+04
131	82	1.934e+05	15.45	0.03	-2214.23	0.0	581.44	-141.90	-7.20	2193.26	15.45	1.934e+05
		4.751e+04	-864.73	-2.50e-03	0.0	107.5	581.44	-2356.13	-7.20	2193.26	-864.73	4.751e+04
131	87	1.951e+05	109.85	0.03	-2214.23	0.0	-185.87	-275.78	-0.94	5578.97	109.85	1.951e+05
		3.914e+04	8.40	1.06e-03	0.0	107.5	-185.87	-2490.02	-0.94	5578.97	8.40	3.914e+04
131	88	1.951e+05	111.85	0.03	-2214.23	0.0	-186.57	-274.67	-0.98	5632.10	111.85	1.951e+05
		3.932e+04	6.23	1.09e-03	0.0	107.5	-186.57	-2488.90	-0.98	5632.10	6.23	3.932e+04
131	89	1.951e+05	109.85	0.03	-2214.23	0.0	-185.87	-275.78	-0.94	5578.97	109.85	1.951e+05
		3.914e+04	8.40	1.06e-03	0.0	107.5	-185.87	-2490.02	-0.94	5578.97	8.40	3.914e+04
131	91	1.952e+05	116.50	0.03	-2214.23	0.0	-188.20	-272.08	-1.07	5756.08	116.50	1.952e+05
		3.974e+04	1.16	1.15e-03	0.0	107.5	-188.20	-2486.31	-1.07	5756.08	1.16	3.974e+04
131	95	2.285e+05	137.88	0.04	-2635.75	0.0	-225.53	-299.10	-1.24	6371.67	137.88	2.285e+05
		4.602e+04	5.09	1.18e-03	0.0	107.5	-225.53	-2934.85	-1.24	6371.67	5.09	4.602e+04
131	100	1.951e+05	109.85	0.03	-2214.23	0.0	-185.87	-275.78	-0.94	5578.97	109.85	1.951e+05
		3.914e+04	8.40	1.06e-03	0.0	107.5	-185.87	-2490.02	-0.94	5578.97	8.40	3.914e+04
131	101	1.951e+05	113.18	0.03	-2214.23	0.0	-187.04	-273.93	-1.01	5667.53	113.18	1.951e+05
		3.944e+04	4.78	1.11e-03	0.0	107.5	-187.04	-2488.16	-1.01	5667.53	4.78	3.944e+04
131	104	2.018e+05	116.52	0.03	-2298.54	0.0	-194.17	-279.86	-1.02	5765.85	116.52	2.018e+05
		4.061e+04	6.58	1.10e-03	0.0	107.5	-194.17	-2578.39	-1.02	5765.85	6.58	4.061e+04
131	105	1.951e+05	109.85	0.03	-2214.23	0.0	-185.87	-275.78	-0.94	5578.97	109.85	1.951e+05
		3.914e+04	8.40	1.06e-03	0.0	107.5	-185.87	-2490.02	-0.94	5578.97	8.40	3.914e+04
131	106	1.951e+05	111.85	0.03	-2214.23	0.0	-186.57	-274.67	-0.98	5632.10	111.85	1.951e+05
		3.932e+04	6.23	1.09e-03	0.0	107.5	-186.57	-2488.90	-0.98	5632.10	6.23	3.932e+04
Trave												
		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-1.046e+06	-3.615e+04	-0.14	-6669.76		-6571.46	-8486.12	-403.75	-1.162e+05		
		9.212e+05	3.463e+04	0.14	0.0		7920.87	7296.13	377.18	1.137e+05		

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate. Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	N2	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
N1-2	M1	
M2	M1-2	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_o attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_v è zero, l'asse '1-1' rappresenta la verticale e l'asse '2-2' l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

Macro	Tipo	Angolo 1-Z (gradi)
1	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
1	4	-275.00	-1.189e+05	2902.07	-3.152e+04	1.579e+06	4.127e+06	-2.261e+04
1	4	-180.00	-1.199e+05	2682.80	-3.152e+04	5.060e+04	1.357e+06	-3.736e+04
1	4	-90.00	-1.100e+05	-25.93	-1.201e+04	-1.096e+06	3.937e+05	-2.711e+04
1	4	0.0	-8.905e+04	-1819.21	-2729.20	-5.590e+05	8.050e+04	-1.936e+04
1	5	-275.00	-8.043e+04	2021.48	-2.252e+04	7.983e+05	2.870e+06	-1.509e+04
1	5	-180.00	-8.046e+04	1863.36	-2.252e+04	-1.687e+05	8.795e+05	-2.489e+04
1	5	-90.00	-7.208e+04	211.76	-8178.26	-8.315e+05	2.316e+05	-1.803e+04
1	5	0.0	-5.659e+04	-1047.07	-1477.89	-4.086e+05	6.955e+04	-1.285e+04
1	11	-275.00	-1.194e+05	2845.08	-3.157e+04	1.467e+06	4.138e+06	-2.251e+04
1	11	-180.00	-1.201e+05	2616.42	-3.157e+04	-9.506e+04	1.363e+06	-3.730e+04
1	11	-90.00	-1.097e+05	-80.06	-1.204e+04	-1.271e+06	3.966e+05	-2.704e+04
1	11	0.0	-8.771e+04	-1986.76	-2788.61	-7.323e+05	8.109e+04	-1.980e+04
1	33	-275.00	-9.502e+04	-1.341e+04	-2.550e+04	2.894e+06	3.065e+06	-3.769e+04
1	33	-180.00	-8.915e+04	-1.360e+04	-2.550e+04	2.367e+06	7.659e+05	-5.578e+04
1	33	-90.00	-8.100e+04	-1.307e+04	-9028.65	1.326e+06	9.197e+04	-2.696e+04
1	33	0.0	-6.869e+04	-4.110e+04	-395.55	-3.355e+06	7.055e+04	-9125.62
1	48	-275.00	-4.537e+04	-5628.53	-2.673e+04	3.021e+06	3.231e+06	9.533e+04
1	48	-180.00	-6.212e+04	-5849.67	-2.673e+04	2.081e+06	1.279e+06	1.085e+05
1	48	-90.00	-5.410e+04	-4995.58	-8696.52	2.021e+06	4.148e+05	1.026e+05
1	48	0.0	-3.855e+04	2167.32	-1656.82	6.764e+06	1.698e+05	8.635e+04
1	49	-275.00	-1.225e+05	9945.31	-2.784e+04	-1.209e+06	3.014e+06	-1.260e+05
1	49	-180.00	-1.061e+05	9795.24	-2.784e+04	-2.217e+06	7.305e+04	-1.590e+05
1	49	-90.00	-9.755e+04	5454.98	-9088.87	-3.541e+06	-4.663e+05	-1.403e+05
1	49	0.0	-8.168e+04	-4400.89	4188.76	-7.551e+06	1.476e+04	-1.136e+05
1	70	-275.00	-7.885e+04	-9598.26	-2.420e+04	3.043e+06	3.058e+06	1691.68
1	70	-180.00	-8.021e+04	-9758.28	-2.420e+04	2.255e+06	1.029e+06	-8452.55
1	70	-90.00	-7.246e+04	-8973.83	-8777.73	1.735e+06	3.003e+05	9111.95
1	70	0.0	-5.816e+04	-2.338e+04	-1930.34	8.573e+05	8.516e+04	1.183e+04
1	80	-275.00	-6.100e+04	-4529.79	-2.548e+04	2.219e+06	3.191e+06	5.695e+04
1	80	-180.00	-7.084e+04	-4689.81	-2.548e+04	1.225e+06	1.162e+06	6.409e+04
1	80	-90.00	-6.357e+04	-4730.28	-8960.49	9.192e+05	3.549e+05	6.308e+04
1	80	0.0	-4.855e+04	-1615.22	-1942.27	3.702e+06	1.100e+05	5.294e+04
1	81	-275.00	-1.058e+05	8699.81	-2.049e+04	-3.716e+05	2.713e+06	-8.841e+04
1	81	-180.00	-9.646e+04	8539.79	-2.049e+04	-1.418e+06	6.855e+05	-1.160e+05
1	81	-90.00	-8.750e+04	5038.48	-7970.81	-2.552e+06	1.466e+05	-1.007e+05
1	81	0.0	-7.141e+04	-636.50	-1340.65	-4.495e+06	2.484e+04	-7.968e+04
1	87	-275.00	-8.171e+04	2040.96	-2.272e+04	8.368e+05	2.905e+06	-1.535e+04
1	87	-180.00	-8.180e+04	1880.93	-2.272e+04	-1.564e+05	8.985e+05	-2.532e+04
1	87	-90.00	-7.347e+04	181.36	-8300.87	-8.463e+05	2.399e+05	-1.835e+04
1	87	0.0	-5.783e+04	-1099.85	-1552.81	-4.244e+05	6.873e+04	-1.312e+04
1	88	-275.00	-8.341e+04	2085.01	-2.299e+04	9.238e+05	2.952e+06	-1.573e+04
1	88	-180.00	-8.365e+04	1924.99	-2.299e+04	-9.681e+04	9.238e+05	-2.595e+04
1	88	-90.00	-7.554e+04	154.10	-8465.65	-8.163e+05	2.507e+05	-1.881e+04
1	88	0.0	-5.998e+04	-1125.86	-1641.46	-3.964e+05	6.741e+04	-1.337e+04
1	89	-275.00	-8.171e+04	2040.96	-2.272e+04	8.368e+05	2.905e+06	-1.535e+04
1	89	-180.00	-8.180e+04	1880.93	-2.272e+04	-1.564e+05	8.985e+05	-2.532e+04
1	89	-90.00	-7.347e+04	181.36	-8300.87	-8.463e+05	2.399e+05	-1.835e+04
1	89	0.0	-5.783e+04	-1099.85	-1552.81	-4.244e+05	6.873e+04	-1.312e+04
1	92	-275.00	-8.934e+04	2193.85	-2.391e+04	1.139e+06	3.115e+06	-1.695e+04
1	92	-180.00	-8.994e+04	2027.61	-2.391e+04	4690.46	1.012e+06	-2.800e+04
1	92	-90.00	-8.220e+04	27.16	-9034.41	-8.335e+05	2.889e+05	-2.031e+04
1	92	0.0	-6.625e+04	-1324.27	-1976.56	-4.188e+05	6.338e+04	-1.448e+04
1	95	-275.00	-8.961e+04	2155.86	-2.394e+04	1.064e+06	3.122e+06	-1.689e+04
1	95	-180.00	-9.005e+04	1983.36	-2.394e+04	-9.242e+04	1.016e+06	-2.795e+04
1	95	-90.00	-8.198e+04	-8.93	-9053.88	-9.504e+05	2.909e+05	-2.026e+04
1	95	0.0	-6.536e+04	-1435.97	-2016.16	-5.343e+05	6.377e+04	-1.477e+04
1	100	-275.00	-8.171e+04	2040.96	-2.272e+04	8.368e+05	2.905e+06	-1.535e+04
1	100	-180.00	-8.180e+04	1880.93	-2.272e+04	-1.564e+05	8.985e+05	-2.532e+04
1	100	-90.00	-7.347e+04	181.36	-8300.87	-8.463e+05	2.399e+05	-1.835e+04
1	100	0.0	-5.783e+04	-1099.85	-1552.81	-4.244e+05	6.873e+04	-1.312e+04
1	101	-275.00	-8.454e+04	2114.38	-2.316e+04	9.818e+05	2.983e+06	-1.599e+04
1	101	-180.00	-8.489e+04	1954.36	-2.316e+04	-5.709e+04	9.406e+05	-2.636e+04
1	101	-90.00	-7.691e+04	135.93	-8575.51	-7.964e+05	2.580e+05	-1.912e+04
1	101	0.0	-6.141e+04	-1143.20	-1700.56	-3.778e+05	6.653e+04	-1.353e+04
1	105	-275.00	-8.171e+04	2040.96	-2.272e+04	8.368e+05	2.905e+06	-1.535e+04
1	105	-180.00	-8.180e+04	1880.93	-2.272e+04	-1.564e+05	8.985e+05	-2.532e+04
1	105	-90.00	-7.347e+04	181.36	-8300.87	-8.463e+05	2.399e+05	-1.835e+04
1	105	0.0	-5.783e+04	-1099.85	-1552.81	-4.244e+05	6.873e+04	-1.312e+04
1	106	-275.00	-8.341e+04	2085.01	-2.299e+04	9.238e+05	2.952e+06	-1.573e+04
1	106	-180.00	-8.365e+04	1924.99	-2.299e+04	-9.681e+04	9.238e+05	-2.595e+04
1	106	-90.00	-7.554e+04	154.10	-8465.65	-8.163e+05	2.507e+05	-1.881e+04

1	106	0.0	-5.998e+04	-1125.86	-1641.46	-3.964e+05	6.741e+04	-1.337e+04
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.225e+05	-4.110e+04	-3.157e+04	-7.551e+06	-4.663e+05	-1.590e+05
			-3.855e+04	9945.31	4188.76	6.764e+06	4.138e+06	1.085e+05

Macro	Tipo	Angolo 1-Z (gradi)
4	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
4	7	-275.00	-2.957e+04	-333.89	-6941.58	-5.934e+04	9.913e+05	-5239.22
4	7	-183.33	-2.626e+04	-353.14	-6941.58	-363.84	4.017e+05	-6867.71
4	7	-180.00	-2.337e+04	-348.21	-5653.83	3734.08	3.998e+05	-6314.36
4	7	-90.00	-2.511e+04	-615.41	-6.25	-4.886e+04	-2.919e+05	-3296.57
4	7	-90.00	-2.511e+04	-615.41	-6.25	-4.886e+04	-2.919e+05	-3296.57
4	7	0.0	-2.842e+04	-888.67	5012.31	4.500e+04	1.764e+04	-9461.33
4	7	106.67	-2.056e+04	-375.31	-57.58	-3.511e+04	-1.540e+04	-4010.43
4	7	213.33	-1.896e+04	-375.31	-3.46	4901.64	-1.586e+04	-3473.17
4	7	320.00	-1.695e+04	-307.54	22.18	3.422e+04	-1.632e+04	675.87
4	11	-275.00	-3.991e+04	-444.97	-9221.90	-8.011e+04	1.330e+06	-7100.91
4	11	-183.33	-3.563e+04	-471.13	-9221.90	-588.15	5.475e+05	-9311.00
4	11	-180.00	-3.186e+04	-464.56	-7457.82	4984.01	5.449e+05	-8559.39
4	11	-90.00	-3.564e+04	-826.21	258.82	-6.596e+04	-3.899e+05	-4483.88
4	11	-90.00	-3.564e+04	-826.21	258.82	-6.596e+04	-3.899e+05	-4483.88
4	11	0.0	-4.127e+04	-1192.84	7100.62	6.056e+04	2.483e+04	-1.284e+04
4	11	106.67	-3.195e+04	-505.11	-136.54	-4.698e+04	-2.044e+04	-5464.26
4	11	213.33	-2.987e+04	-505.11	-67.33	6863.42	-3.241e+04	-4713.46
4	11	320.00	-2.709e+04	-413.77	-4.01	4.628e+04	-4.437e+04	862.94
4	25	-275.00	-2.378e+04	-1412.79	-4770.44	-1.340e+04	8.719e+05	-2.051e+04
4	25	-183.33	-2.236e+04	-1462.52	-4770.45	-3.905e+04	2.965e+05	-3.304e+04
4	25	-180.00	-1.976e+04	-3943.03	-2478.32	6.379e+05	4.100e+05	-2.700e+04
4	25	-90.00	-1.536e+04	-7076.18	7681.14	9.450e+05	1.888e+05	-8312.07
4	25	-90.00	-1.536e+04	-7076.18	7681.14	9.450e+05	1.888e+05	-8312.07
4	25	0.0	-1.832e+04	-7490.87	8938.88	1.457e+06	5.665e+05	-3.909e+04
4	25	106.67	-2.010e+04	-8689.05	-5795.04	-1.701e+06	6.177e+05	1.247e+04
4	25	213.33	-1.921e+04	-9041.73	-5559.75	-8.302e+05	3.676e+04	3.383e+04
4	25	320.00	-1.320e+04	-7402.58	-5162.92	-3.829e+04	-5.575e+05	-2775.50
4	36	-275.00	-3.278e+04	3571.49	-8693.43	2.944e+04	1.033e+06	1.876e+04
4	36	-183.33	-2.880e+04	3573.72	-8693.42	1.497e+05	4.609e+05	2.925e+04
4	36	-180.00	-2.592e+04	5757.53	-8572.98	-5.054e+05	3.425e+05	2.090e+04
4	36	-90.00	-3.457e+04	8153.21	-8138.37	-7.991e+05	-7.501e+05	2683.77
4	36	-90.00	-3.457e+04	8153.21	-8138.37	-7.991e+05	-7.501e+05	2683.77
4	36	0.0	-3.834e+04	8699.96	339.57	-1.060e+06	-5.482e+05	3.045e+04
4	36	106.67	-2.205e+04	7129.17	5670.50	1.521e+06	-6.591e+05	-1.106e+04
4	36	213.33	-1.985e+04	6761.56	5583.44	7.901e+05	-8.077e+04	-1.190e+04
4	36	320.00	-2.171e+04	6202.90	5280.30	-2033.49	5.058e+05	-4082.91
4	51	-275.00	-2.917e+04	-1.410e+04	-7044.72	-3.696e+05	9.629e+05	-8.766e+04
4	51	-183.33	-2.635e+04	-1.421e+04	-7044.72	-5.278e+05	4.028e+05	-1.273e+05
4	51	-180.00	-2.354e+04	-2.150e+04	-6096.62	1.771e+06	3.679e+05	-9.677e+04
4	51	-90.00	-2.721e+04	-3.050e+04	-2591.08	2.490e+06	-3.895e+05	-2.031e+04
4	51	-90.00	-2.721e+04	-3.050e+04	-2591.08	2.490e+06	-3.895e+05	-2.031e+04
4	51	0.0	-3.072e+04	-3.377e+04	2946.71	3.753e+06	-1.173e+05	-1.557e+05
4	51	106.67	-2.141e+04	-2.645e+04	1597.31	-4.876e+06	-1.956e+05	1.970e+04
4	51	213.33	-1.960e+04	-2.636e+04	1558.11	-2.182e+06	-3.868e+04	3.214e+04
4	51	320.00	-1.874e+04	-2.240e+04	1556.28	-5706.57	1.493e+05	1.999e+04
4	57	-275.00	-2.592e+04	-1394.89	-5716.50	-7.876e+04	9.114e+05	-1.612e+04
4	57	-183.33	-2.390e+04	-1413.36	-5716.50	-3.846e+04	3.349e+05	-2.430e+04
4	57	-180.00	-2.120e+04	-2762.91	-3905.67	3.369e+05	3.941e+05	-2.071e+04
4	57	-90.00	-1.949e+04	-5110.93	4050.97	4.356e+05	-1.331e+04	-7310.82
4	57	-90.00	-1.949e+04	-5110.93	4050.97	4.356e+05	-1.331e+04	-7310.82
4	57	0.0	-2.267e+04	-5818.05	6869.91	8.356e+05	3.166e+05	-2.949e+04
4	57	106.67	-2.056e+04	-4962.20	-3225.64	-9.251e+05	3.333e+05	5085.14
4	57	213.33	-1.933e+04	-5147.75	-3074.60	-4.265e+05	1.104e+04	1.705e+04
4	57	320.00	-1.517e+04	-4212.43	-2838.63	1.093e+04	-3.190e+05	-567.52
4	68	-275.00	-3.083e+04	2356.85	-7856.13	3.899e+04	1.001e+06	1.072e+04
4	68	-183.33	-2.740e+04	2334.41	-7856.13	9.762e+04	4.237e+05	1.633e+04
4	68	-180.00	-2.456e+04	3527.69	-7226.77	-2.627e+05	3.596e+05	1.194e+04
4	68	-90.00	-3.005e+04	5134.50	-4538.29	-3.884e+05	-5.330e+05	1610.06
4	68	-90.00	-3.005e+04	5134.50	-4538.29	-3.884e+05	-5.330e+05	1610.06
4	68	0.0	-3.362e+04	5671.89	2269.72	-5.799e+05	-2.943e+05	1.693e+04
4	68	106.67	-2.162e+04	3793.46	3082.95	8.087e+05	-3.685e+05	-7700.81
4	68	213.33	-1.971e+04	3599.01	3053.46	4.210e+05	-5.374e+04	-7937.62
4	68	320.00	-1.975e+04	3306.60	2903.88	-1.223e+04	2.660e+05	-2687.50
4	83	-275.00	-2.900e+04	-9676.62	-7076.18	-3.886e+05	9.692e+05	-5.920e+04
4	83	-183.33	-2.618e+04	-9693.36	-7076.18	-3.419e+05	3.921e+05	-8.344e+04
4	83	-180.00	-2.337e+04	-1.367e+04	-5986.23	9.297e+05	3.722e+05	-6.620e+04
4	83	-90.00	-2.610e+04	-2.013e+04	-1495.00	1.112e+06	-3.351e+05	-1.768e+04

4	83	-90.00	-2.610e+04	-2.013e+04	-1495.00	1.112e+06	-3.351e+05	-1.768e+04
4	83	0.0	-2.949e+04	-2.322e+04	3680.22	2.136e+06	-5.784e+04	-1.039e+05
4	83	106.67	-2.127e+04	-1.482e+04	846.81	-2.640e+06	-1.137e+05	8573.81
4	83	213.33	-1.956e+04	-1.476e+04	840.92	-1.129e+06	-3.045e+04	1.577e+04
4	83	320.00	-1.815e+04	-1.253e+04	856.73	8.139e+04	7.021e+04	1.356e+04
4	88	-275.00	-2.837e+04	-320.28	-6782.86	-5.552e+04	9.561e+05	-4874.69
4	88	-183.33	-2.567e+04	-338.31	-6782.86	-351.85	3.793e+05	-6387.03
4	88	-180.00	-2.284e+04	-333.85	-5551.39	3487.19	3.769e+05	-5870.76
4	88	-90.00	-2.451e+04	-585.35	-206.25	-4.560e+04	-2.696e+05	-3042.20
4	88	-90.00	-2.451e+04	-585.35	-206.25	-4.560e+04	-2.696e+05	-3042.20
4	88	0.0	-2.789e+04	-837.36	4574.93	4.167e+04	1.570e+04	-8840.70
4	88	106.67	-2.110e+04	-349.58	-93.00	-3.260e+04	-1.315e+04	-3812.01
4	88	213.33	-1.950e+04	-349.58	-41.78	4664.14	-2.045e+04	-3279.97
4	88	320.00	-1.747e+04	-286.38	-1.78	3.195e+04	-2.776e+04	605.20
4	91	-275.00	-2.927e+04	-330.16	-6902.09	-5.829e+04	9.824e+05	-5139.24
4	91	-183.33	-2.615e+04	-349.09	-6902.09	-366.52	3.960e+05	-6735.91
4	91	-180.00	-2.329e+04	-344.30	-5627.22	3662.60	3.939e+05	-6192.58
4	91	-90.00	-2.509e+04	-607.29	-55.01	-4.796e+04	-2.854e+05	-3226.58
4	91	-90.00	-2.509e+04	-607.29	-55.01	-4.796e+04	-2.854e+05	-3226.58
4	91	0.0	-2.849e+04	-874.41	4905.73	4.405e+04	1.713e+04	-9293.48
4	91	106.67	-2.103e+04	-368.07	-72.37	-3.438e+04	-1.471e+04	-3961.25
4	91	213.33	-1.943e+04	-368.07	-19.24	4853.58	-1.799e+04	-3422.70
4	91	320.00	-1.740e+04	-301.57	12.68	3.359e+04	-2.128e+04	652.43
4	95	-275.00	-3.011e+04	-336.57	-7015.05	-6.003e+04	1.006e+06	-5309.46
4	95	-183.33	-2.699e+04	-356.15	-7015.05	-429.40	4.105e+05	-6960.74
4	95	-180.00	-2.411e+04	-351.26	-5689.36	3741.73	4.084e+05	-6398.59
4	95	-90.00	-2.673e+04	-622.56	96.89	-4.940e+04	-2.918e+05	-3343.21
4	95	-90.00	-2.673e+04	-622.56	96.89	-4.940e+04	-2.918e+05	-3343.21
4	95	0.0	-3.086e+04	-896.62	5238.37	4.529e+04	1.822e+04	-9606.14
4	95	106.67	-2.384e+04	-378.31	-104.57	-3.520e+04	-1.502e+04	-4104.29
4	95	213.33	-2.224e+04	-378.31	-51.96	5128.50	-2.422e+04	-3537.16
4	95	320.00	-2.013e+04	-309.91	-4.28	3.465e+04	-3.343e+04	646.43
4	101	-275.00	-2.863e+04	-323.10	-6816.93	-5.631e+04	9.637e+05	-4950.28
4	101	-183.33	-2.581e+04	-341.39	-6816.93	-356.05	3.841e+05	-6486.71
4	101	-180.00	-2.297e+04	-336.84	-5573.06	3537.31	3.818e+05	-5962.71
4	101	-90.00	-2.468e+04	-591.62	-163.04	-4.628e+04	-2.741e+05	-3094.88
4	101	-90.00	-2.468e+04	-591.62	-163.04	-4.628e+04	-2.741e+05	-3094.88
4	101	0.0	-2.806e+04	-847.95	4669.45	4.235e+04	1.611e+04	-8970.06
4	101	106.67	-2.108e+04	-354.86	-87.10	-3.311e+04	-1.359e+04	-3854.65
4	101	213.33	-1.948e+04	-354.86	-35.34	4718.26	-1.975e+04	-3320.75
4	101	320.00	-1.745e+04	-290.72	2.35	3.242e+04	-2.591e+04	618.69
4	106	-275.00	-2.837e+04	-320.28	-6782.86	-5.552e+04	9.561e+05	-4874.69
4	106	-183.33	-2.567e+04	-338.31	-6782.86	-351.85	3.793e+05	-6387.03
4	106	-180.00	-2.284e+04	-333.85	-5551.39	3487.19	3.769e+05	-5870.76
4	106	-90.00	-2.451e+04	-585.35	-206.25	-4.560e+04	-2.696e+05	-3042.20
4	106	-90.00	-2.451e+04	-585.35	-206.25	-4.560e+04	-2.696e+05	-3042.20
4	106	0.0	-2.789e+04	-837.36	4574.93	4.167e+04	1.570e+04	-8840.70
4	106	106.67	-2.110e+04	-349.58	-93.00	-3.260e+04	-1.315e+04	-3812.01
4	106	213.33	-1.950e+04	-349.58	-41.78	4664.14	-2.045e+04	-3279.97
4	106	320.00	-1.747e+04	-286.38	-1.78	3.195e+04	-2.776e+04	605.20

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-4.127e+04	-3.377e+04	-9221.90	-4.876e+06	-7.501e+05	-1.557e+05
	-1.320e+04	8699.96	8938.88	3.753e+06	1.330e+06	3.383e+04

Macro	Tipo	Angolo 1-Z (gradi)
6	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
6	4	-275.00	-1.209e+05	-838.16	3.223e+04	3.741e+06	-4.348e+06	-61.03
6	4	-180.00	-1.165e+05	-44.96	3.223e+04	-1.584e+06	-1.504e+06	-9191.58
6	4	-90.00	-1.087e+05	-2961.83	1.277e+04	-1.252e+06	-4.689e+05	-4.569e+04
6	4	0.0	-8.850e+04	-5522.65	3665.65	-9.253e+04	-7.696e+04	-4.980e+04
6	5	-275.00	-8.165e+04	-548.11	2.298e+04	2.235e+06	-3.015e+06	556.10
6	5	-180.00	-7.813e+04	-38.31	2.298e+04	-1.288e+06	-9.766e+05	-5379.96
6	5	-90.00	-7.117e+04	-1834.72	8675.03	-9.541e+05	-2.816e+05	-3.006e+04
6	5	0.0	-5.621e+04	-3594.30	2101.13	-1.136e+05	-6.729e+04	-3.295e+04
6	11	-275.00	-1.213e+05	-910.33	3.228e+04	3.633e+06	-4.359e+06	-266.88
6	11	-180.00	-1.167e+05	-121.61	3.228e+04	-1.738e+06	-1.510e+06	-9487.02
6	11	-90.00	-1.084e+05	-3027.55	1.280e+04	-1.428e+06	-4.722e+05	-4.615e+04
6	11	0.0	-8.717e+04	-5709.74	3731.00	-2.591e+05	-7.745e+04	-4.965e+04
6	26	-275.00	-9.544e+04	-1.846e+04	2.609e+04	4.070e+06	-3.239e+06	1.331e+04
6	26	-180.00	-8.580e+04	-1.789e+04	2.609e+04	9.501e+05	-8.838e+05	1.118e+04
6	26	-90.00	-8.131e+04	-1.737e+04	9830.15	1.705e+06	-1.531e+05	-3.724e+04
6	26	0.0	-6.955e+04	-4.504e+04	1023.79	-2.789e+06	-7.136e+04	-5.809e+04
6	39	-275.00	-5.647e+04	5034.13	2.362e+04	2.487e+06	-3.223e+06	-8.367e+04
6	39	-180.00	-6.371e+04	5421.04	2.362e+04	-1.649e+06	-1.219e+06	-3.867e+04

6	39	-90.00	-5.776e+04	6435.21	9828.08	1.668e+06	-4.379e+05	-8.829e+04
6	39	0.0	-3.804e+04	1.938e+04	1774.50	9.510e+06	-1.350e+05	-4.816e+04
6	49	-275.00	-4.667e+04	-1.862e+04	2.381e+04	2.960e+06	-3.443e+06	-1.628e+05
6	49	-180.00	-5.563e+04	-1.823e+04	2.381e+04	-1.277e+06	-1.440e+06	-9.644e+04
6	49	-90.00	-5.424e+04	-1.480e+04	1.190e+04	3.030e+06	-5.902e+05	-1.770e+05
6	49	0.0	-4.068e+04	-2.216e+04	2434.56	7.909e+06	-1.667e+05	-1.595e+05
6	54	-275.00	-1.256e+05	7311.78	3.187e+04	3.080e+06	-3.145e+06	1.563e+05
6	54	-180.00	-1.077e+05	7937.97	3.187e+04	4.851e+05	-1.483e+05	8.895e+04
6	54	-90.00	-9.686e+04	2871.07	7417.45	-2.484e+06	5.116e+05	1.062e+05
6	54	0.0	-8.076e+04	-7398.59	-3528.90	-8.024e+06	-1.884e+04	8.016e+04
6	61	-275.00	-7.917e+04	-1.306e+04	2.370e+04	3.517e+06	-3.227e+06	-3.622e+04
6	61	-180.00	-7.625e+04	-1.253e+04	2.370e+04	-1.513e+05	-1.146e+06	-2.144e+04
6	61	-90.00	-7.200e+04	-1.178e+04	1.005e+04	1.620e+06	-3.870e+05	-7.297e+04
6	61	0.0	-5.840e+04	-2.641e+04	2593.26	1.374e+06	-8.453e+04	-7.398e+04
6	71	-275.00	-6.800e+04	174.05	2.402e+04	2.738e+06	-3.264e+06	-5.775e+04
6	71	-180.00	-7.072e+04	711.72	2.402e+04	-1.350e+06	-1.179e+06	-4.087e+04
6	71	-90.00	-6.532e+04	693.19	9848.98	7.857e+05	-3.920e+05	-7.864e+04
6	71	0.0	-4.809e+04	6736.58	2317.96	5.372e+06	-8.988e+04	-5.304e+04
6	81	-275.00	-6.261e+04	-1.276e+04	2.413e+04	2.996e+06	-3.386e+06	-1.012e+05
6	81	-180.00	-6.630e+04	-1.223e+04	2.413e+04	-1.164e+06	-1.302e+06	-7.261e+04
6	81	-90.00	-6.339e+04	-1.096e+04	1.099e+04	1.530e+06	-4.760e+05	-1.275e+05
6	81	0.0	-4.954e+04	-1.611e+04	2682.59	4.498e+06	-1.073e+05	-1.142e+05
6	86	-275.00	-1.078e+05	6128.36	2.284e+04	2.513e+06	-2.844e+06	9.957e+04
6	86	-180.00	-9.609e+04	6666.04	2.284e+04	-5.661e+05	-7.707e+05	6.474e+04
6	86	-90.00	-8.634e+04	2614.42	7250.04	-2.259e+06	-1.471e+05	5.934e+04
6	86	0.0	-7.066e+04	-3529.02	2010.91	-4.679e+06	-2.602e+04	3.790e+04
6	87	-275.00	-8.297e+04	-564.60	2.319e+04	2.300e+06	-3.053e+06	472.00
6	87	-180.00	-7.945e+04	-43.78	2.319e+04	-1.292e+06	-9.975e+05	-5594.05
6	87	-90.00	-7.256e+04	-1890.00	8807.37	-9.686e+05	-2.908e+05	-3.067e+04
6	87	0.0	-5.745e+04	-3682.72	2187.50	-1.216e+05	-6.641e+04	-3.354e+04
6	88	-275.00	-8.471e+04	-566.99	2.347e+04	2.422e+06	-3.104e+06	412.82
6	88	-180.00	-8.126e+04	-29.31	2.347e+04	-1.253e+06	-1.025e+06	-5810.94
6	88	-90.00	-7.461e+04	-1949.05	8985.05	-9.382e+05	-3.029e+05	-3.140e+04
6	88	0.0	-5.959e+04	-3753.43	2290.60	-8.467e+04	-6.503e+04	-3.443e+04
6	89	-275.00	-8.297e+04	-564.60	2.319e+04	2.300e+06	-3.053e+06	472.00
6	89	-180.00	-7.945e+04	-43.78	2.319e+04	-1.292e+06	-9.975e+05	-5594.05
6	89	-90.00	-7.256e+04	-1890.00	8807.37	-9.686e+05	-2.908e+05	-3.067e+04
6	89	0.0	-5.745e+04	-3682.72	2187.50	-1.216e+05	-6.641e+04	-3.354e+04
6	92	-275.00	-9.077e+04	-623.05	2.444e+04	2.758e+06	-3.280e+06	78.31
6	92	-180.00	-8.740e+04	-32.16	2.444e+04	-1.226e+06	-1.122e+06	-6730.86
6	92	-90.00	-8.122e+04	-2189.71	9598.77	-9.539e+05	-3.452e+05	-3.414e+04
6	92	0.0	-6.583e+04	-4113.85	2677.85	-7.256e+04	-6.075e+04	-3.727e+04
6	95	-275.00	-9.105e+04	-671.17	2.447e+04	2.686e+06	-3.288e+06	-58.92
6	95	-180.00	-8.750e+04	-83.26	2.447e+04	-1.328e+06	-1.126e+06	-6927.82
6	95	-90.00	-8.100e+04	-2233.52	9620.23	-1.071e+06	-3.475e+05	-3.445e+04
6	95	0.0	-6.495e+04	-4238.57	2721.42	-1.836e+05	-6.108e+04	-3.718e+04
6	100	-275.00	-8.297e+04	-564.60	2.319e+04	2.300e+06	-3.053e+06	472.00
6	100	-180.00	-7.945e+04	-43.78	2.319e+04	-1.292e+06	-9.975e+05	-5594.05
6	100	-90.00	-7.256e+04	-1890.00	8807.37	-9.686e+05	-2.908e+05	-3.067e+04
6	100	0.0	-5.745e+04	-3682.72	2187.50	-1.216e+05	-6.641e+04	-3.354e+04
6	101	-275.00	-8.586e+04	-568.58	2.365e+04	2.504e+06	-3.138e+06	373.36
6	101	-180.00	-8.247e+04	-19.66	2.365e+04	-1.227e+06	-1.044e+06	-5955.53
6	101	-90.00	-7.597e+04	-1988.42	9103.50	-9.179e+05	-3.109e+05	-3.189e+04
6	101	0.0	-6.102e+04	-3800.57	2359.34	-6.004e+04	-6.411e+04	-3.501e+04
6	104	-275.00	-8.551e+04	-587.19	2.359e+04	2.442e+06	-3.127e+06	334.25
6	104	-180.00	-8.203e+04	-43.96	2.359e+04	-1.279e+06	-1.038e+06	-5976.48
6	104	-90.00	-7.534e+04	-1990.20	9064.70	-9.729e+05	-3.086e+05	-3.181e+04
6	104	0.0	-6.009e+04	-3831.60	2349.27	-1.143e+05	-6.461e+04	-3.474e+04
6	105	-275.00	-8.297e+04	-564.60	2.319e+04	2.300e+06	-3.053e+06	472.00
6	105	-180.00	-7.945e+04	-43.78	2.319e+04	-1.292e+06	-9.975e+05	-5594.05
6	105	-90.00	-7.256e+04	-1890.00	8807.37	-9.686e+05	-2.908e+05	-3.067e+04
6	105	0.0	-5.745e+04	-3682.72	2187.50	-1.216e+05	-6.641e+04	-3.354e+04
6	106	-275.00	-8.471e+04	-566.99	2.347e+04	2.422e+06	-3.104e+06	412.82
6	106	-180.00	-8.126e+04	-29.31	2.347e+04	-1.253e+06	-1.025e+06	-5810.94
6	106	-90.00	-7.461e+04	-1949.05	8985.05	-9.382e+05	-3.029e+05	-3.140e+04
6	106	0.0	-5.959e+04	-3753.43	2290.60	-8.467e+04	-6.503e+04	-3.443e+04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-1.256e+05	-4.504e+04	-3528.90	-8.024e+06	-4.359e+06	-1.770e+05
	-3.804e+04	1.938e+04	3.228e+04	9.510e+06	5.116e+05	1.563e+05

Macro	Tipo	Angolo 1-Z (gradi)
7	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
7	4	-275.00	-2.757e+04	6151.75	3261.29	1.997e+06	-3.788e+05	-2.542e+05
7	4	-180.00	-2.763e+04	7870.83	3261.30	1.337e+06	-1.096e+05	853.61

7	4	-90.00	-2.470e+04	8009.64	1032.05	7.662e+05	-2325.52	8.123e+04
7	4	0.0	-2.221e+04	9155.82	567.56	7.220e+04	8.729e+04	6.294e+04
7	4	106.67	-1.249e+04	996.62	-614.73	8.765e+04	-1815.09	1.940e+04
7	4	213.33	-1.145e+04	996.62	-648.26	-1.873e+04	-1.188e+05	1.211e+04
7	4	320.00	-1.041e+04	996.62	-326.11	-1.251e+05	-2.357e+05	-1.483e+05
7	5	-275.00	-1.869e+04	4048.95	2209.55	1.368e+06	-2.588e+05	-1.734e+05
7	5	-180.00	-1.893e+04	5211.21	2209.56	9.109e+05	-7.534e+04	617.73
7	5	-90.00	-1.705e+04	5191.96	700.80	5.140e+05	-2436.02	5.648e+04
7	5	0.0	-1.545e+04	5953.59	387.17	4.012e+04	5.847e+04	4.507e+04
7	5	106.67	-8802.92	583.56	-399.56	5.025e+04	-2199.33	1.200e+04
7	5	213.33	-8002.92	583.56	-421.16	-1.205e+04	-7.826e+04	7731.71
7	5	320.00	-7202.93	583.56	-206.83	-7.432e+04	-1.543e+05	-9.944e+04
7	11	-275.00	-2.759e+04	6079.05	3280.30	1.998e+06	-3.805e+05	-2.542e+05
7	11	-180.00	-2.775e+04	7793.65	3280.31	1.334e+06	-1.095e+05	1652.57
7	11	-90.00	-2.499e+04	7933.48	1051.61	7.520e+05	-712.69	8.147e+04
7	11	0.0	-2.267e+04	9054.61	616.35	4.576e+04	9.370e+04	6.301e+04
7	11	106.67	-1.316e+04	1076.86	-674.97	8.030e+04	-3577.10	2.120e+04
7	11	213.33	-1.212e+04	1076.86	-702.78	-3.463e+04	-1.302e+05	1.311e+04
7	11	320.00	-1.108e+04	1076.86	-352.60	-1.495e+05	-2.568e+05	-1.597e+05
7	30	-275.00	-2.844e+04	9690.02	3636.68	2.070e+06	-3.396e+05	-2.263e+05
7	30	-180.00	-2.875e+04	1.079e+04	3636.69	1.644e+06	-1.328e+05	3.432e+04
7	30	-90.00	-2.354e+04	1.170e+04	844.56	7.293e+05	1.346e+04	4.030e+04
7	30	0.0	-2.790e+04	9435.96	3864.80	8.618e+04	2.152e+05	3.251e+04
7	30	106.67	-2.411e+04	6857.01	-2690.07	3.721e+05	2.832e+05	2.949e+04
7	30	213.33	-1.505e+04	5816.21	-2623.86	1.285e+05	-1.503e+04	7.250e+04
7	30	320.00	-9369.92	3165.68	-2295.88	-1.280e+05	-3.289e+05	-2.247e+05
7	40	-275.00	-1.930e+04	8917.53	2467.30	1.892e+06	-2.884e+05	-2.222e+05
7	40	-180.00	-2.022e+04	9899.75	2467.31	1.587e+06	-1.097e+05	-2.595e+04
7	40	-90.00	-1.825e+04	1.124e+04	1422.34	9.771e+05	-2.352e+04	7.321e+04
7	40	0.0	-1.534e+04	1.002e+04	-1130.21	3.493e+05	-2265.71	6.009e+04
7	40	106.67	-2795.29	4542.57	674.21	8.875e+05	-3.872e+04	-2.393e+04
7	40	213.33	1.190e+04	6549.34	614.73	7.023e+04	-9.761e+04	-5.306e+04
7	40	320.00	-5719.52	1409.26	763.34	-1.290e+05	-8.910e+04	-4.596e+04
7	50	-275.00	-2.596e+04	1.359e+04	3317.87	2.603e+06	-3.468e+05	-2.762e+05
7	50	-180.00	-2.681e+04	1.456e+04	3317.88	2.296e+06	-1.606e+05	-1.029e+04
7	50	-90.00	-2.105e+04	1.711e+04	1069.98	1.160e+06	-2.090e+04	7.010e+04
7	50	0.0	-2.153e+04	9829.23	1706.08	2.866e+05	1.054e+05	5.706e+04
7	50	106.67	-1.108e+04	9112.57	-1386.74	1.134e+06	1.018e+05	2.165e+04
7	50	213.33	-8314.51	9672.34	-1315.15	4.826e+05	-5.398e+04	2.499e+04
7	50	320.00	-6233.61	7742.06	-1150.19	-1.847e+05	-2.282e+05	-1.147e+05
7	62	-275.00	-2.452e+04	7641.53	2950.91	1.818e+06	-3.043e+05	-2.103e+05
7	62	-180.00	-2.463e+04	8848.01	2950.91	1.345e+06	-1.136e+05	1.506e+04
7	62	-90.00	-2.069e+04	9382.11	760.46	6.341e+05	-1908.08	5.100e+04
7	62	0.0	-2.220e+04	8359.28	2404.33	3.808e+04	1.494e+05	4.375e+04
7	62	106.67	-1.726e+04	4025.53	-1670.11	2.162e+05	1.561e+05	2.178e+04
7	62	213.33	-1.191e+04	3438.40	-1644.73	5.507e+04	-4.447e+04	4.384e+04
7	62	320.00	-8409.17	1993.48	-1361.57	-1.124e+05	-2.534e+05	-1.693e+05
7	72	-275.00	-1.989e+04	8172.60	2462.20	1.808e+06	-2.891e+05	-2.124e+05
7	72	-180.00	-2.010e+04	9379.07	2462.21	1.336e+06	-9.827e+04	-1.458e+04
7	72	-90.00	-1.760e+04	1.014e+04	1127.43	7.370e+05	-1.379e+04	6.785e+04
7	72	0.0	-1.478e+04	9319.24	-430.99	1.148e+05	2.936e+04	5.458e+04
7	72	106.67	-5497.64	2702.19	177.22	4.717e+05	-1.990e+04	-5075.46
7	72	213.33	2867.79	3787.01	125.86	1668.12	-9.071e+04	-2.355e+04
7	72	320.00	-6368.71	998.01	313.87	-1.301e+05	-1.246e+05	-7.089e+04
7	82	-275.00	-2.355e+04	1.074e+04	2901.02	2.200e+06	-3.195e+05	-2.428e+05
7	82	-180.00	-2.371e+04	1.195e+04	2901.03	1.728e+06	-1.277e+05	-7155.71
7	82	-90.00	-1.913e+04	1.337e+04	923.45	8.389e+05	-1.487e+04	6.684e+04
7	82	0.0	-1.817e+04	9250.21	1157.02	8.014e+04	8.942e+04	5.441e+04
7	82	106.67	-1.005e+04	5217.82	-955.63	6.072e+05	5.753e+04	1.970e+04
7	82	213.33	-8166.12	5490.65	-934.91	2.267e+05	-6.667e+04	1.925e+04
7	82	320.00	-6637.38	4454.38	-734.37	-1.606e+05	-2.006e+05	-1.086e+05
7	87	-275.00	-1.898e+04	4120.69	2244.87	1.388e+06	-2.627e+05	-1.759e+05
7	87	-180.00	-1.920e+04	5300.72	2244.88	9.240e+05	-7.635e+04	683.64
7	87	-90.00	-1.729e+04	5295.82	712.84	5.214e+05	-2238.61	5.718e+04
7	87	0.0	-1.567e+04	6069.11	396.52	3.983e+04	5.995e+04	4.545e+04
7	87	106.67	-8945.58	610.46	-412.50	5.163e+04	-2244.06	1.247e+04
7	87	213.33	-8145.58	610.46	-434.13	-1.354e+04	-8.063e+04	7987.84
7	87	320.00	-7345.59	610.46	-213.85	-7.868e+04	-1.590e+05	-1.020e+05
7	88	-275.00	-1.937e+04	4243.12	2289.28	1.414e+06	-2.676e+05	-1.794e+05
7	88	-180.00	-1.955e+04	5449.58	2289.28	9.434e+05	-7.778e+04	545.18
7	88	-90.00	-1.755e+04	5464.64	724.19	5.361e+05	-2427.16	5.810e+04
7	88	0.0	-1.585e+04	6261.68	395.59	4.708e+04	6.018e+04	4.597e+04
7	88	106.67	-8952.75	625.21	-413.31	5.570e+04	-1796.53	1.261e+04
7	88	213.33	-8152.75	625.21	-436.65	-1.104e+04	-8.065e+04	8059.55
7	88	320.00	-7352.75	625.21	-216.10	-7.776e+04	-1.595e+05	-1.023e+05
7	89	-275.00	-1.898e+04	4120.69	2244.87	1.388e+06	-2.627e+05	-1.759e+05
7	89	-180.00	-1.920e+04	5300.72	2244.88	9.240e+05	-7.635e+04	683.64
7	89	-90.00	-1.729e+04	5295.82	712.84	5.214e+05	-2238.61	5.718e+04
7	89	0.0	-1.567e+04	6069.11	396.52	3.983e+04	5.995e+04	4.545e+04
7	89	106.67	-8945.58	610.46	-412.50	5.163e+04	-2244.06	1.247e+04

7	89	213.33	-8145.58	610.46	-434.13	-1.354e+04	-8.063e+04	7987.84
7	89	320.00	-7345.59	610.46	-213.85	-7.868e+04	-1.590e+05	-1.020e+05
7	92	-275.00	-2.072e+04	4602.77	2449.96	1.503e+06	-2.850e+05	-1.912e+05
7	92	-180.00	-2.080e+04	5894.31	2449.97	1.006e+06	-8.254e+04	616.29
7	92	-90.00	-1.861e+04	5976.63	775.05	5.754e+05	-1980.43	6.131e+04
7	92	0.0	-1.675e+04	6836.09	425.01	5.364e+04	6.520e+04	4.776e+04
7	92	106.67	-9423.79	727.88	-456.20	6.439e+04	-1479.45	1.428e+04
7	92	213.33	-8623.79	727.88	-481.41	-1.330e+04	-8.835e+04	8966.06
7	92	320.00	-7823.80	727.88	-241.24	-9.097e+04	-1.752e+05	-1.108e+05
7	95	-275.00	-2.073e+04	4554.31	2462.63	1.504e+06	-2.862e+05	-1.912e+05
7	95	-180.00	-2.088e+04	5842.85	2462.64	1.004e+06	-8.253e+04	1148.93
7	95	-90.00	-1.880e+04	5925.86	788.09	5.659e+05	-905.21	6.147e+04
7	95	0.0	-1.706e+04	6768.61	457.54	3.601e+04	6.947e+04	4.781e+04
7	95	106.67	-9870.97	781.37	-496.36	5.950e+04	-2654.12	1.548e+04
7	95	213.33	-9070.97	781.37	-517.76	-2.389e+04	-9.598e+04	9633.52
7	95	320.00	-8270.97	781.37	-258.90	-1.073e+05	-1.893e+05	-1.184e+05
7	100	-275.00	-1.898e+04	4120.69	2244.87	1.388e+06	-2.627e+05	-1.759e+05
7	100	-180.00	-1.920e+04	5300.72	2244.88	9.240e+05	-7.635e+04	683.64
7	100	-90.00	-1.729e+04	5295.82	712.84	5.214e+05	-2238.61	5.718e+04
7	100	0.0	-1.567e+04	6069.11	396.52	3.983e+04	5.995e+04	4.545e+04
7	100	106.67	-8945.58	610.46	-412.50	5.163e+04	-2244.06	1.247e+04
7	100	213.33	-8145.58	610.46	-434.13	-1.354e+04	-8.063e+04	7987.84
7	100	320.00	-7345.59	610.46	-213.85	-7.868e+04	-1.590e+05	-1.020e+05
7	101	-275.00	-1.964e+04	4324.74	2318.88	1.432e+06	-2.708e+05	-1.818e+05
7	101	-180.00	-1.978e+04	5548.82	2318.89	9.564e+05	-7.874e+04	452.87
7	101	-90.00	-1.773e+04	5577.20	731.75	5.458e+05	-2552.86	5.871e+04
7	101	0.0	-1.596e+04	6390.05	394.97	5.192e+04	6.033e+04	4.632e+04
7	101	106.67	-8957.52	635.04	-413.86	5.842e+04	-1498.18	1.270e+04
7	101	213.33	-8157.52	635.04	-438.33	-9368.53	-8.066e+04	8107.36
7	101	320.00	-7357.52	635.04	-217.60	-7.714e+04	-1.598e+05	-1.024e+05
7	105	-275.00	-1.898e+04	4120.69	2244.87	1.388e+06	-2.627e+05	-1.759e+05
7	105	-180.00	-1.920e+04	5300.72	2244.88	9.240e+05	-7.635e+04	683.64
7	105	-90.00	-1.729e+04	5295.82	712.84	5.214e+05	-2238.61	5.718e+04
7	105	0.0	-1.567e+04	6069.11	396.52	3.983e+04	5.995e+04	4.545e+04
7	105	106.67	-8945.58	610.46	-412.50	5.163e+04	-2244.06	1.247e+04
7	105	213.33	-8145.58	610.46	-434.13	-1.354e+04	-8.063e+04	7987.84
7	105	320.00	-7345.59	610.46	-213.85	-7.868e+04	-1.590e+05	-1.020e+05
7	106	-275.00	-1.937e+04	4243.12	2289.28	1.414e+06	-2.676e+05	-1.794e+05
7	106	-180.00	-1.955e+04	5449.58	2289.28	9.434e+05	-7.778e+04	545.18
7	106	-90.00	-1.755e+04	5464.64	724.19	5.361e+05	-2427.16	5.810e+04
7	106	0.0	-1.585e+04	6261.68	395.59	4.708e+04	6.018e+04	4.597e+04
7	106	106.67	-8952.75	625.21	-413.31	5.570e+04	-1796.53	1.261e+04
7	106	213.33	-8152.75	625.21	-436.65	-1.104e+04	-8.065e+04	8059.55
7	106	320.00	-7352.75	625.21	-216.10	-7.776e+04	-1.595e+05	-1.023e+05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-2.875e+04	583.56	-2690.07	-1.847e+05	-3.805e+05	-2.762e+05
	1.190e+04	1.711e+04	3864.80	2.603e+06	2.832e+05	8.147e+04

Macro	Tipo	Angolo 1-Z (gradi)
8	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
8	4	-275.00	-1.911e+04	-4009.25	2235.68	-1.454e+06	-1.977e+05	1.342e+05
8	4	-180.00	-2.423e+04	-6519.69	2235.68	-6.562e+05	-1662.54	-5.094e+04
8	4	-90.00	-1.977e+04	-6079.80	172.05	-3.277e+05	1.633e+04	-3.381e+04
8	4	0.0	-1.617e+04	-4672.39	178.20	-4.940e+04	5.245e+04	7356.35
8	4	106.67	-1.153e+04	-999.56	-575.92	1.032e+05	-8382.99	-3.124e+04
8	4	213.33	-1.087e+04	-677.71	-620.38	1.986e+05	-1.211e+05	-1.790e+04
8	4	320.00	-9827.56	-677.71	-276.50	2.710e+05	-2.339e+05	1.377e+05
8	7	-275.00	-1.431e+04	-3061.97	1667.97	-1.090e+06	-1.474e+05	1.009e+05
8	7	-180.00	-1.808e+04	-4948.75	1667.97	-4.902e+05	-1328.04	-3.722e+04
8	7	-90.00	-1.462e+04	-4598.21	120.55	-2.453e+05	1.135e+04	-2.505e+04
8	7	0.0	-1.180e+04	-3549.67	95.16	-3.916e+04	3.443e+04	3770.46
8	7	106.67	-8131.12	-681.04	-377.75	7.189e+04	-4642.22	-2.134e+04
8	7	213.33	-7606.88	-419.09	-414.12	1.334e+05	-8.009e+04	-1.237e+04
8	7	320.00	-6806.88	-419.09	-181.94	1.782e+05	-1.555e+05	9.296e+04
8	11	-275.00	-1.914e+04	-3930.22	2244.83	-1.456e+06	-1.988e+05	1.342e+05
8	11	-180.00	-2.438e+04	-6435.33	2244.83	-6.586e+05	-1647.71	-5.195e+04
8	11	-90.00	-2.007e+04	-5993.08	180.84	-3.288e+05	1.724e+04	-3.433e+04
8	11	0.0	-1.663e+04	-4581.19	220.51	-4.842e+04	5.781e+04	8807.11
8	11	106.67	-1.218e+04	-1065.22	-632.95	1.104e+05	-1.038e+04	-3.334e+04
8	11	213.33	-1.154e+04	-757.05	-673.78	2.153e+05	-1.326e+05	-1.898e+04
8	11	320.00	-1.050e+04	-757.05	-301.98	2.961e+05	-2.549e+05	1.490e+05
8	38	-275.00	-1.454e+04	-2440.21	1916.11	-1.022e+06	-1.494e+05	8.909e+04
8	38	-180.00	-1.787e+04	-4248.21	1916.11	-4.098e+05	-1.523e+04	-8.293e+04
8	38	-90.00	-1.692e+04	-4051.35	-183.27	-1.160e+05	215.05	-3.357e+04

8	38	0.0	-1.552e+04	-2680.36	3323.03	9.370e+04	1.654e+05	7.636e+04
8	38	106.67	-1.556e+04	-2716.41	-2447.18	3.443e+05	2.493e+05	-3.809e+04
8	38	213.33	-9281.26	3574.69	-2380.30	4.228e+05	-2.916e+04	-8.314e+04
8	38	320.00	-9027.33	1748.02	-1964.12	2.155e+05	-3.162e+05	2.289e+05
8	39	-275.00	-1.673e+04	-7373.36	1820.43	-1.145e+06	-1.490e+05	1.133e+05
8	39	-180.00	-2.108e+04	-8784.67	1820.43	-7.088e+05	-2.215e+04	-9386.46
8	39	-90.00	-1.661e+04	-7212.42	152.76	-5.555e+05	1.343e+04	-3.032e+04
8	39	0.0	4772.50	-7233.94	-1255.52	-7.935e+04	-2414.18	-2.475e+04
8	39	106.67	-8914.44	-1652.09	628.18	-5.087e+05	-1.262e+05	1.868e+04
8	39	213.33	-4023.37	-6964.51	535.54	-3.300e+05	-9.541e+04	5.012e+04
8	39	320.00	-5906.63	-3366.13	695.67	1.985e+05	-9.114e+04	3.908e+04
8	42	-275.00	-9496.67	1161.38	1008.75	-8.798e+05	-1.159e+05	7.630e+04
8	42	-180.00	-1.229e+04	-769.31	1008.75	-1.528e+05	1.408e+04	-5.326e+04
8	42	-90.00	-1.079e+04	-544.32	51.45	1.471e+05	2328.06	-2.116e+04
8	42	0.0	-2.780e+04	1956.91	1669.42	6056.15	7.787e+04	2.478e+04
8	42	106.67	-7646.44	392.76	-1379.74	6.572e+05	1.135e+05	-5.956e+04
8	42	213.33	-1.148e+04	6165.19	-1366.98	5.970e+05	-6.880e+04	-7.437e+04
8	42	320.00	-8001.31	2566.80	-1057.80	1.539e+05	-2.246e+05	1.504e+05
8	53	-275.00	-2.225e+04	-1.052e+04	2640.97	-1.422e+06	-1.828e+05	1.360e+05
8	53	-180.00	-2.682e+04	-1.193e+04	2640.97	-9.852e+05	-5.654e+04	-3.676e+04
8	53	-90.00	-2.038e+04	-9127.16	-24.92	-6.785e+05	4786.68	-4.407e+04
8	53	0.0	-1.491e+04	-8727.67	1555.99	-4.842e+05	8.065e+04	3.272e+04
8	53	106.67	-1.108e+04	-3208.73	-1338.25	-8.176e+05	1.039e+05	-3.282e+04
8	53	213.33	-5819.21	-1.000e+04	-1317.95	-4.286e+05	-6.208e+04	-3.375e+04
8	53	320.00	-5796.85	-8252.68	-1198.28	2.619e+05	-2.340e+05	1.133e+05
8	70	-275.00	-1.401e+04	-2242.39	1783.25	-1.001e+06	-1.450e+05	9.035e+04
8	70	-180.00	-1.761e+04	-3995.67	1783.25	-4.399e+05	-8259.93	-6.237e+04
8	70	-90.00	-1.591e+04	-3885.53	-44.15	-1.880e+05	5762.09	-2.879e+04
8	70	0.0	-1.404e+04	-2935.66	1854.79	1.391e+04	1.056e+05	4.397e+04
8	70	106.67	-1.229e+04	-1780.44	-1522.36	2.148e+05	1.338e+05	-2.973e+04
8	70	213.33	-8599.46	1772.55	-1493.40	2.848e+05	-5.290e+04	-5.058e+04
8	70	320.00	-8105.40	770.42	-1160.24	1.913e+05	-2.442e+05	1.687e+05
8	71	-275.00	-1.550e+04	-6009.94	1769.08	-1.164e+06	-1.501e+05	1.087e+05
8	71	-180.00	-1.940e+04	-7763.21	1769.08	-6.040e+05	-1.239e+04	-2.192e+04
8	71	-90.00	-1.490e+04	-6706.96	140.72	-3.743e+05	1.339e+04	-2.746e+04
8	71	0.0	-1858.21	-5800.07	-647.25	-3715.53	1.715e+04	-1.055e+04
8	71	106.67	-8522.86	-1246.51	168.37	-2.195e+05	-7.055e+04	-1876.04
8	71	213.33	-5626.01	-3982.91	93.18	-9.318e+04	-9.040e+04	2.000e+04
8	71	320.00	-6284.22	-2029.68	293.75	2.146e+05	-1.249e+05	6.348e+04
8	81	-275.00	-1.862e+04	-7693.82	2227.89	-1.325e+06	-1.689e+05	1.219e+05
8	81	-180.00	-2.266e+04	-9447.10	2227.89	-7.640e+05	-3.157e+04	-3.677e+04
8	81	-90.00	-1.735e+04	-7842.77	43.54	-4.451e+05	8611.52	-3.503e+04
8	81	0.0	-1.293e+04	-6708.85	890.85	-2.273e+05	6.245e+04	2.079e+04
8	81	106.67	-8563.24	-1769.20	-921.93	-4.331e+05	5.534e+04	-3.057e+04
8	81	213.33	-7905.73	-6342.40	-922.84	-1.638e+05	-7.246e+04	-2.612e+04
8	81	320.00	-6162.29	-4744.13	-736.86	2.492e+05	-2.029e+05	1.035e+05
8	85	-275.00	-1.853e+04	-7723.38	2219.80	-1.317e+06	-1.687e+05	1.212e+05
8	85	-180.00	-2.256e+04	-9476.66	2219.80	-7.563e+05	-3.131e+04	-3.692e+04
8	85	-90.00	-1.698e+04	-7736.68	43.04	-4.423e+05	8597.90	-3.503e+04
8	85	0.0	-1.256e+04	-6596.02	898.48	-2.242e+05	6.274e+04	2.098e+04
8	85	106.67	-9707.50	-2101.64	-911.51	-3.899e+05	5.597e+04	-3.015e+04
8	85	213.33	-6607.60	-5650.37	-925.10	-1.478e+05	-7.206e+04	-2.610e+04
8	85	320.00	-6210.23	-4708.27	-745.23	2.492e+05	-2.032e+05	1.042e+05
8	88	-275.00	-1.337e+04	-2752.43	1560.88	-1.020e+06	-1.388e+05	9.457e+04
8	88	-180.00	-1.708e+04	-4505.71	1560.88	-4.598e+05	-1410.15	-3.526e+04
8	88	-90.00	-1.405e+04	-4115.69	117.49	-2.309e+05	1.105e+04	-2.420e+04
8	88	0.0	-1.161e+04	-3142.51	119.54	-3.910e+04	3.596e+04	3421.73
8	88	106.67	-8271.85	-658.95	-387.58	7.527e+04	-6256.96	-2.094e+04
8	88	213.33	-7752.91	-402.75	-418.15	1.353e+05	-8.234e+04	-1.214e+04
8	88	320.00	-6952.92	-402.75	-182.19	1.784e+05	-1.584e+05	9.496e+04
8	91	-275.00	-1.404e+04	-2960.32	1638.10	-1.070e+06	-1.451e+05	9.903e+04
8	91	-180.00	-1.781e+04	-4807.44	1638.10	-4.817e+05	-1349.81	-3.680e+04
8	91	-90.00	-1.450e+04	-4445.06	120.94	-2.413e+05	1.140e+04	-2.488e+04
8	91	0.0	-1.181e+04	-3417.82	108.41	-3.900e+04	3.566e+04	3879.79
8	91	106.67	-8266.89	-684.15	-388.90	7.393e+04	-5403.31	-2.153e+04
8	91	213.33	-7746.52	-425.86	-423.06	1.364e+05	-8.242e+04	-1.246e+04
8	91	320.00	-6946.52	-425.86	-185.72	1.819e+05	-1.594e+05	9.519e+04
8	92	-275.00	-1.434e+04	-2996.72	1677.29	-1.092e+06	-1.485e+05	1.009e+05
8	92	-180.00	-1.822e+04	-4880.51	1677.29	-4.927e+05	-1314.06	-3.813e+04
8	92	-90.00	-1.489e+04	-4528.40	128.27	-2.464e+05	1.215e+04	-2.552e+04
8	92	0.0	-1.221e+04	-3475.00	131.84	-3.830e+04	3.910e+04	5043.28
8	92	106.67	-8699.38	-738.72	-427.49	7.817e+04	-6370.80	-2.318e+04
8	92	213.33	-8189.08	-488.66	-460.76	1.479e+05	-9.013e+04	-1.332e+04
8	92	320.00	-7389.08	-488.66	-204.22	2.001e+05	-1.739e+05	1.028e+05
8	95	-275.00	-1.436e+04	-2944.03	1683.39	-1.093e+06	-1.493e+05	1.009e+05
8	95	-180.00	-1.832e+04	-4824.27	1683.39	-4.943e+05	-1304.17	-3.880e+04
8	95	-90.00	-1.509e+04	-4470.59	134.13	-2.471e+05	1.276e+04	-2.586e+04
8	95	0.0	-1.252e+04	-3414.20	160.04	-3.765e+04	4.268e+04	6010.45
8	95	106.67	-9134.00	-782.49	-465.50	8.299e+04	-7704.14	-2.458e+04
8	95	213.33	-8634.37	-541.55	-496.36	1.590e+05	-9.781e+04	-1.404e+04

8	95	320.00	-7834.37	-541.55	-221.21	2.169e+05	-1.879e+05	1.104e+05
8	101	-275.00	-1.356e+04	-2811.83	1582.94	-1.034e+06	-1.406e+05	9.585e+04
8	101	-180.00	-1.728e+04	-4591.91	1582.94	-4.660e+05	-1392.91	-3.570e+04
8	101	-90.00	-1.418e+04	-4209.80	118.47	-2.339e+05	1.115e+04	-2.439e+04
8	101	0.0	-1.166e+04	-3221.17	116.36	-3.907e+04	3.587e+04	3552.61
8	101	106.67	-8270.44	-666.15	-387.96	7.489e+04	-6013.06	-2.111e+04
8	101	213.33	-7751.09	-409.35	-419.55	1.356e+05	-8.236e+04	-1.223e+04
8	101	320.00	-6951.09	-409.35	-183.20	1.794e+05	-1.587e+05	9.502e+04
8	104	-275.00	-1.349e+04	-2766.99	1576.55	-1.029e+06	-1.402e+05	9.533e+04
8	104	-180.00	-1.724e+04	-4534.94	1576.55	-4.642e+05	-1395.85	-3.579e+04
8	104	-90.00	-1.420e+04	-4149.03	120.42	-2.329e+05	1.135e+04	-2.445e+04
8	104	0.0	-1.176e+04	-3165.38	128.91	-3.882e+04	3.734e+04	3887.13
8	104	106.67	-8444.85	-680.78	-403.02	7.697e+04	-6643.96	-2.160e+04
8	104	213.33	-7929.94	-427.86	-433.23	1.400e+05	-8.542e+04	-1.248e+04
8	104	320.00	-7129.94	-427.87	-189.59	1.857e+05	-1.642e+05	9.802e+04
8	106	-275.00	-1.337e+04	-2752.43	1560.88	-1.020e+06	-1.388e+05	9.457e+04
8	106	-180.00	-1.708e+04	-4505.71	1560.88	-4.598e+05	-1410.15	-3.526e+04
8	106	-90.00	-1.405e+04	-4115.69	117.49	-2.309e+05	1.105e+04	-2.420e+04
8	106	0.0	-1.161e+04	-3142.51	119.54	-3.910e+04	3.596e+04	3421.73
8	106	106.67	-8271.85	-658.95	-387.58	7.527e+04	-6256.96	-2.094e+04
8	106	213.33	-7752.91	-402.75	-418.15	1.353e+05	-8.234e+04	-1.214e+04
8	106	320.00	-6952.92	-402.75	-182.19	1.784e+05	-1.584e+05	9.496e+04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-2.780e+04	-1.193e+04	-2447.18	-1.456e+06	-3.162e+05	-8.314e+04
	4772.50	6165.19	3323.03	6.572e+05	2.493e+05	2.289e+05

Macro	Tipo	Angolo 1-Z (gradi)
9	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
9	7	-90.00	-9248.50	1015.92	95.96	2.471e+05	2.032e+04	-1.150e+04
9	7	46.67	-9248.50	1015.92	95.96	1.117e+05	6.822e+04	-1.151e+04
9	7	183.33	-8223.50	1015.92	163.52	-2.709e+04	1.161e+05	-4953.54
9	7	320.00	-7198.50	1015.92	18.61	-1.660e+05	1.640e+05	9.317e+04
9	9	-90.00	-1.374e+04	1658.54	230.34	3.831e+05	1.859e+04	-1.591e+04
9	9	46.67	-1.374e+04	1658.54	230.34	1.621e+05	1.048e+05	-1.973e+04
9	9	183.33	-1.240e+04	1658.54	306.62	-6.446e+04	1.911e+05	-7982.50
9	9	320.00	-1.107e+04	1658.54	62.52	-2.912e+05	2.773e+05	1.530e+05
9	11	-90.00	-1.373e+04	1662.98	226.56	3.843e+05	1.957e+04	-1.579e+04
9	11	46.67	-1.373e+04	1662.98	226.56	1.627e+05	1.053e+05	-1.988e+04
9	11	183.33	-1.240e+04	1662.98	304.09	-6.445e+04	1.909e+05	-8085.73
9	11	320.00	-1.107e+04	1662.98	60.71	-2.918e+05	2.766e+05	1.526e+05
9	23	-90.00	-1.900e+04	-2222.04	1249.01	-3.093e+04	-1.139e+05	-7.709e+04
9	23	46.67	-1.909e+04	-2222.03	1249.00	-1.692e+05	-6.745e+04	5231.41
9	23	183.33	-1.229e+04	-2083.27	960.79	-1.349e+05	1.072e+05	-2.585e+04
9	23	320.00	-1.103e+04	329.75	624.52	-8.686e+04	2.512e+05	1.779e+05
9	26	-90.00	208.34	4306.37	-1031.07	5.343e+05	1.510e+05	5.373e+04
9	26	46.67	295.11	4306.36	-1031.07	3.948e+05	2.056e+05	-2.891e+04
9	26	183.33	-4445.71	4167.60	-612.38	7.582e+04	1.320e+05	1.579e+04
9	26	320.00	-3657.29	1754.58	-576.86	-2.572e+05	8.904e+04	1.465e+04
9	36	-90.00	-8770.89	2683.87	1421.02	4.794e+05	-1.554e+05	-1.874e+04
9	36	46.67	-8685.29	2683.86	1421.01	3.393e+05	-1.080e+05	-1.734e+04
9	36	183.33	-1.003e+04	2738.59	1354.72	5029.32	1.020e+05	-5.120e+04
9	36	320.00	-6945.43	2461.97	867.51	-2.418e+05	2.921e+05	1.825e+05
9	42	-90.00	-3851.93	7981.29	453.04	1.159e+06	-2.864e+04	1.179e+05
9	42	46.67	-3549.54	7981.27	453.04	1.016e+06	2.490e+04	-6.955e+04
9	42	183.33	-4479.77	7793.93	690.93	2.871e+05	1.130e+05	-6.055e+04
9	42	320.00	-3435.39	6750.11	480.17	-4.308e+05	2.310e+05	6.840e+04
9	55	-90.00	-1.468e+04	-748.28	738.09	9.741e+04	-5.480e+04	-4.786e+04
9	55	46.67	-1.472e+04	-748.28	738.09	-4.184e+04	-6202.43	-3061.17
9	55	183.33	-1.053e+04	-672.37	608.32	-8.774e+04	1.129e+05	-1.696e+04
9	55	320.00	-9373.32	655.57	355.02	-1.261e+05	2.152e+05	1.410e+05
9	58	-90.00	-4114.10	2828.24	-521.88	4.048e+05	9.238e+04	2.448e+04
9	58	46.67	-4066.36	2828.23	-521.88	2.669e+05	1.446e+05	-2.048e+04
9	58	183.33	-6213.53	2752.32	-261.13	2.868e+04	1.262e+05	6983.14
9	58	320.00	-5318.04	1424.39	-308.17	-2.173e+05	1.247e+05	5.149e+04
9	68	-90.00	-9052.08	1938.40	827.56	3.754e+05	-7.643e+04	-1.537e+04
9	68	46.67	-9005.02	1938.40	827.56	2.367e+05	-2.804e+04	-1.420e+04
9	68	183.33	-9284.33	1968.94	821.38	-1.033e+04	1.097e+05	-2.987e+04
9	68	320.00	-7124.15	1816.44	486.25	-2.092e+05	2.365e+05	1.437e+05
9	74	-90.00	-6348.87	4838.51	289.48	7.461e+05	-5217.00	6.024e+04
9	74	46.67	-6182.53	4838.50	289.48	6.077e+05	4.559e+04	-4.143e+04
9	74	183.33	-6233.56	4736.52	452.18	1.454e+05	1.154e+05	-3.388e+04
9	74	320.00	-5196.15	4161.31	270.79	-3.108e+05	2.016e+05	8.148e+04
9	87	-90.00	-9397.28	1038.71	109.19	2.508e+05	1.851e+04	-1.172e+04
9	87	46.67	-9397.28	1038.71	109.19	1.123e+05	6.906e+04	-1.173e+04

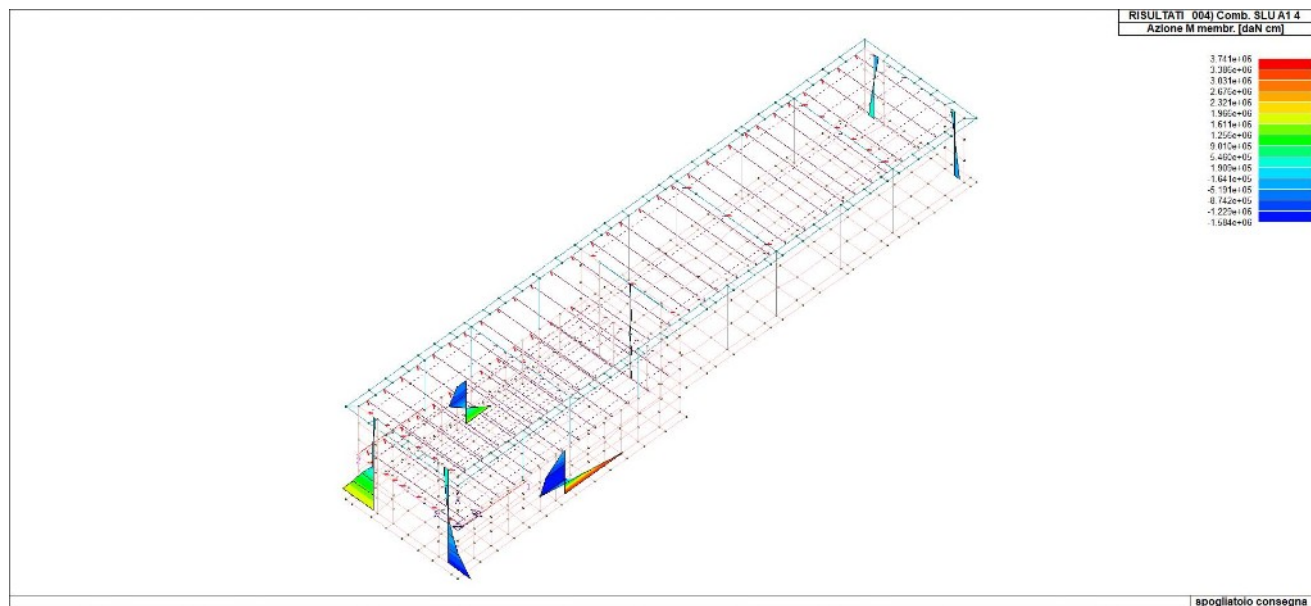
9	87	183.33	-8372.28	1038.71	174.32	-2.953e+04	1.196e+05	-4959.56
9	87	320.00	-7347.28	1038.71	23.94	-1.716e+05	1.702e+05	9.636e+04
9	88	-90.00	-9395.68	1039.98	108.11	2.511e+05	1.879e+04	-1.169e+04
9	88	46.67	-9395.68	1039.98	108.11	1.125e+05	6.918e+04	-1.177e+04
9	88	183.33	-8370.68	1039.98	173.59	-2.953e+04	1.196e+05	-4989.06
9	88	320.00	-7345.68	1039.98	23.42	-1.717e+05	1.700e+05	9.623e+04
9	91	-90.00	-9391.94	1042.94	105.59	2.519e+05	1.944e+04	-1.161e+04
9	91	46.67	-9391.93	1042.94	105.59	1.129e+05	6.946e+04	-1.187e+04
9	91	183.33	-8366.93	1042.94	171.91	-2.952e+04	1.195e+05	-5057.88
9	91	320.00	-7341.94	1042.94	22.21	-1.721e+05	1.695e+05	9.592e+04
9	93	-90.00	-1.032e+04	1224.77	162.90	2.852e+05	1.514e+04	-1.214e+04
9	93	46.67	-1.032e+04	1224.77	162.89	1.220e+05	7.813e+04	-1.443e+04
9	93	183.33	-9291.40	1224.77	222.87	-4.530e+04	1.411e+05	-5880.61
9	93	320.00	-8266.40	1224.77	43.05	-2.128e+05	2.041e+05	1.132e+05
9	95	-90.00	-1.031e+04	1227.73	160.38	2.860e+05	1.579e+04	-1.206e+04
9	95	46.67	-1.031e+04	1227.73	160.38	1.224e+05	7.842e+04	-1.453e+04
9	95	183.33	-9287.66	1227.73	221.18	-4.529e+04	1.410e+05	-5949.43
9	95	320.00	-8262.66	1227.73	41.84	-2.132e+05	2.037e+05	1.129e+05
9	101	-90.00	-9394.61	1040.82	107.39	2.514e+05	1.898e+04	-1.166e+04
9	101	46.67	-9394.61	1040.82	107.39	1.126e+05	6.926e+04	-1.180e+04
9	101	183.33	-8369.61	1040.82	173.11	-2.953e+04	1.195e+05	-5008.72
9	101	320.00	-7344.61	1040.82	23.08	-1.718e+05	1.698e+05	9.614e+04
9	102	-90.00	-9581.11	1075.92	119.93	2.577e+05	1.783e+04	-1.181e+04
9	102	46.67	-9581.10	1075.92	119.93	1.143e+05	7.087e+04	-1.227e+04
9	102	183.33	-8556.10	1075.92	184.03	-3.268e+04	1.239e+05	-5143.77
9	102	320.00	-7531.11	1075.92	27.76	-1.798e+05	1.769e+05	9.972e+04
9	104	-90.00	-9579.50	1077.19	118.85	2.580e+05	1.811e+04	-1.177e+04
9	104	46.67	-9579.50	1077.19	118.85	1.145e+05	7.099e+04	-1.231e+04
9	104	183.33	-8554.50	1077.19	183.30	-3.268e+04	1.239e+05	-5173.27
9	104	320.00	-7529.50	1077.19	27.25	-1.800e+05	1.767e+05	9.959e+04
9	105	-90.00	-9397.28	1038.71	109.19	2.508e+05	1.851e+04	-1.172e+04
9	105	46.67	-9397.28	1038.71	109.19	1.123e+05	6.906e+04	-1.173e+04
9	105	183.33	-8372.28	1038.71	174.32	-2.953e+04	1.196e+05	-4959.56
9	105	320.00	-7347.28	1038.71	23.94	-1.716e+05	1.702e+05	9.636e+04
9	106	-90.00	-9395.68	1039.98	108.11	2.511e+05	1.879e+04	-1.169e+04
9	106	46.67	-9395.68	1039.98	108.11	1.125e+05	6.918e+04	-1.177e+04
9	106	183.33	-8370.68	1039.98	173.59	-2.953e+04	1.196e+05	-4989.06
9	106	320.00	-7345.68	1039.98	23.42	-1.717e+05	1.700e+05	9.623e+04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-1.909e+04	-2222.04	-1031.07	-4.308e+05	-1.554e+05	-7.709e+04
	295.11	7981.29	1421.02	1.159e+06	2.921e+05	1.825e+05

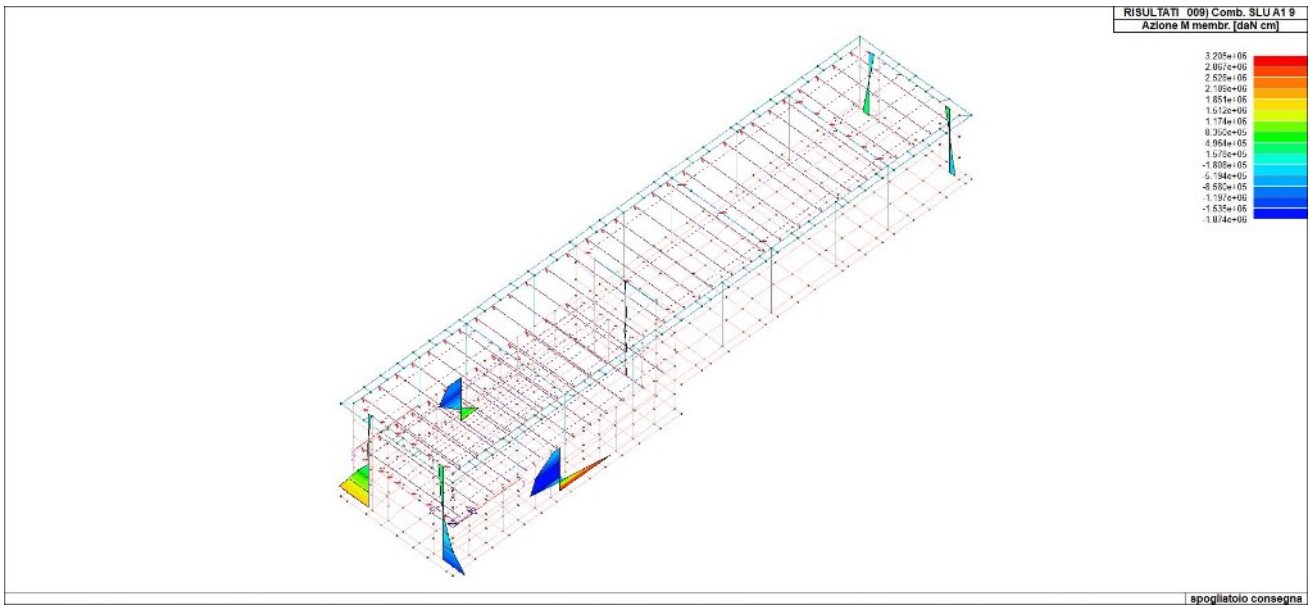
Macro	Tipo	Angolo 1-Z (gradi)
10	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
10	7	-90.00	-9306.12	-870.98	70.27	-2.094e+05	2.588e+04	1.262e+04
10	7	46.67	-9306.12	-870.98	70.27	-9.334e+04	7.031e+04	6598.59
10	7	183.33	-8281.12	-870.98	147.97	2.563e+04	1.147e+05	1812.41
10	7	320.00	-7256.12	-870.98	9.56	1.447e+05	1.592e+05	-9.388e+04
10	9	-90.00	-1.381e+04	-1474.17	197.60	-3.352e+05	2.569e+04	1.733e+04
10	9	46.67	-1.381e+04	-1474.17	197.60	-1.388e+05	1.075e+05	1.348e+04
10	9	183.33	-1.248e+04	-1474.17	286.81	6.260e+04	1.893e+05	3984.17
10	9	320.00	-1.114e+04	-1474.17	51.19	2.642e+05	2.711e+05	-1.539e+05
10	32	-90.00	-1.616e+04	-1568.89	1093.64	5.825e+04	-1.121e+05	7.254e+04
10	32	46.67	-1.624e+04	-1568.89	1093.64	1.785e+05	-6.908e+04	-1.002e+04
10	32	183.33	-1.139e+04	1788.72	962.55	1.269e+05	1.045e+05	2.212e+04
10	32	320.00	-1.034e+04	165.94	666.78	7.511e+04	2.503e+05	-1.802e+05
10	33	-90.00	-2743.34	-237.90	-924.89	-4.895e+05	1.599e+05	-4.703e+04
10	33	46.67	-2659.21	-237.90	-924.89	-3.690e+05	2.112e+05	2.429e+04
10	33	183.33	-5459.32	-3595.51	-643.91	-7.059e+04	1.320e+05	-1.807e+04
10	33	320.00	-4458.60	-1972.74	-636.37	2.282e+05	8.065e+04	-1.376e+04
10	43	-90.00	-8250.60	-8242.62	1178.94	-1.120e+06	-1.216e+05	-1.016e+05
10	43	46.67	-7946.65	-8242.60	1178.93	-9.942e+05	-7.312e+04	6.517e+04
10	43	183.33	-6043.09	-7060.94	1281.73	-2.836e+05	1.025e+05	8.097e+04
10	43	320.00	-4906.96	-7159.66	949.68	4.086e+05	2.903e+05	-1.179e+05
10	64	-90.00	-1.314e+04	-1275.99	642.13	-6.653e+04	-5.158e+04	4.583e+04
10	64	46.67	-1.318e+04	-1275.99	642.13	5.467e+04	-6253.56	-1639.49
10	64	183.33	-1.006e+04	571.34	602.97	8.271e+04	1.108e+05	1.359e+04
10	64	320.00	-9017.54	-321.89	374.65	1.107e+05	2.127e+05	-1.425e+05
10	75	-90.00	-8792.08	-4920.59	676.81	-7.086e+05	-5.373e+04	-5.084e+04
10	75	46.67	-8624.89	-4920.58	676.81	-5.878e+05	-7332.12	3.693e+04
10	75	183.33	-7116.91	-4271.59	769.90	-1.441e+05	1.090e+05	4.378e+04
10	75	320.00	-6029.11	-4325.03	524.66	2.895e+05	2.320e+05	-1.089e+05
10	77	-90.00	-6869.81	-4053.46	271.83	-7.096e+05	685.45	-5.857e+04
10	77	46.67	-6704.75	-4053.45	271.83	-5.891e+05	4.822e+04	3.689e+04

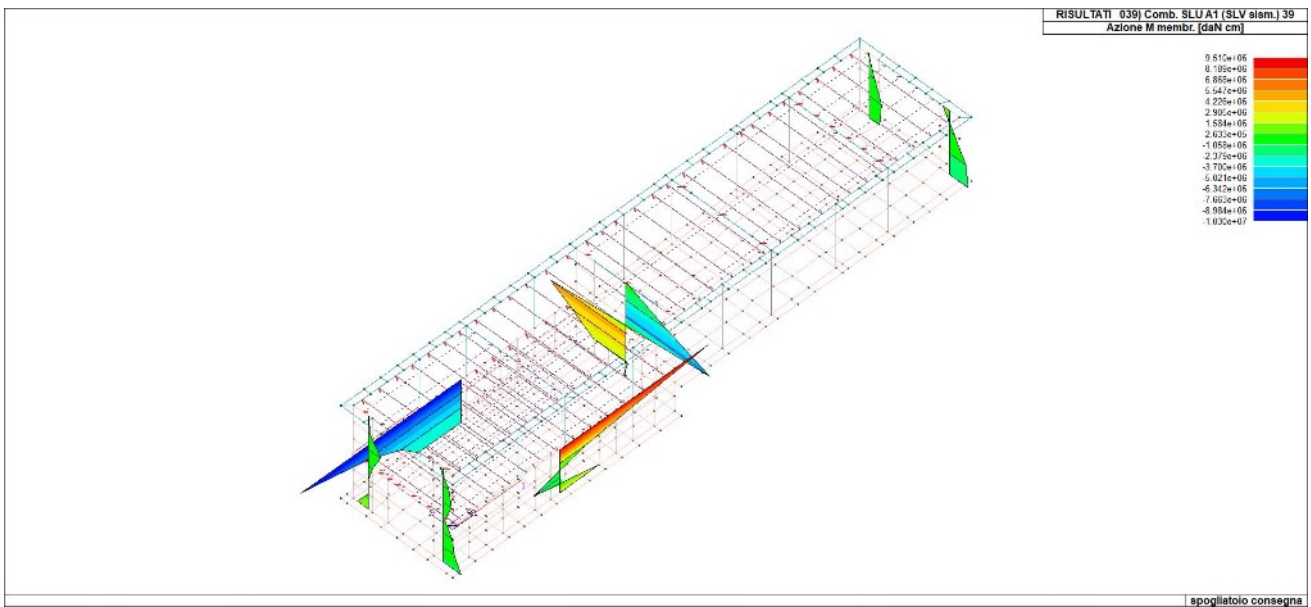
10	77	183.33	-6434.96	-4528.52	424.71	-1.456e+05	1.146e+05	3.055e+04
10	77	320.00	-5364.53	-4081.44	242.55	2.895e+05	1.950e+05	-8.182e+04
10	87	-90.00	-9449.52	-907.19	85.82	-2.166e+05	2.357e+04	1.273e+04
10	87	46.67	-9449.52	-907.19	85.82	-9.572e+04	7.096e+04	7259.54
10	87	183.33	-8424.52	-907.19	160.17	2.820e+04	1.183e+05	2101.22
10	87	320.00	-7399.52	-907.19	15.76	1.522e+05	1.657e+05	-9.701e+04
10	88	-90.00	-9449.19	-905.29	84.19	-2.161e+05	2.397e+04	1.272e+04
10	88	46.67	-9449.18	-905.30	84.19	-9.549e+04	7.112e+04	7198.06
10	88	183.33	-8424.18	-905.30	159.12	2.817e+04	1.183e+05	2064.07
10	88	320.00	-7399.19	-905.30	15.04	1.519e+05	1.654e+05	-9.689e+04
10	91	-90.00	-9448.40	-900.87	80.39	-2.150e+05	2.490e+04	1.270e+04
10	91	46.67	-9448.40	-900.87	80.39	-9.497e+04	7.151e+04	7054.59
10	91	183.33	-8423.40	-900.87	156.66	2.809e+04	1.181e+05	1977.37
10	91	320.00	-7398.40	-900.87	13.35	1.513e+05	1.647e+05	-9.662e+04
10	93	-90.00	-1.037e+04	-1085.91	138.23	-2.492e+05	2.048e+04	1.321e+04
10	93	46.67	-1.037e+04	-1085.91	138.23	-1.044e+05	8.014e+04	9717.33
10	93	183.33	-9346.57	-1085.91	207.95	4.389e+04	1.398e+05	2867.59
10	93	320.00	-8321.57	-1085.91	34.50	1.924e+05	1.995e+05	-1.139e+05
10	101	-90.00	-9448.96	-904.03	83.10	-2.158e+05	2.424e+04	1.272e+04
10	101	46.67	-9448.96	-904.03	83.10	-9.534e+04	7.123e+04	7157.07
10	101	183.33	-8423.96	-904.03	158.41	2.814e+04	1.182e+05	2039.30
10	101	320.00	-7398.96	-904.03	14.56	1.517e+05	1.652e+05	-9.681e+04
10	102	-90.00	-9633.93	-942.93	96.30	-2.231e+05	2.295e+04	1.283e+04
10	102	46.67	-9633.93	-942.93	96.30	-9.746e+04	7.279e+04	7751.10
10	102	183.33	-8608.93	-942.93	169.73	3.134e+04	1.226e+05	2254.49
10	102	320.00	-7583.93	-942.93	19.51	1.603e+05	1.725e+05	-1.004e+05
10	105	-90.00	-9449.52	-907.19	85.82	-2.166e+05	2.357e+04	1.273e+04
10	105	46.67	-9449.52	-907.19	85.82	-9.572e+04	7.096e+04	7259.54
10	105	183.33	-8424.52	-907.19	160.17	2.820e+04	1.183e+05	2101.22
10	105	320.00	-7399.52	-907.19	15.76	1.522e+05	1.657e+05	-9.701e+04
10	106	-90.00	-9449.19	-905.29	84.19	-2.161e+05	2.397e+04	1.272e+04
10	106	46.67	-9449.18	-905.30	84.19	-9.549e+04	7.112e+04	7198.06
10	106	183.33	-8424.18	-905.30	159.12	2.817e+04	1.183e+05	2064.07
10	106	320.00	-7399.19	-905.30	15.04	1.519e+05	1.654e+05	-9.689e+04
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.624e+04	-8242.62	-924.89	-1.120e+06	-1.216e+05	-1.802e+05
			-2659.21	1788.72	1281.73	4.086e+05	2.903e+05	8.097e+04



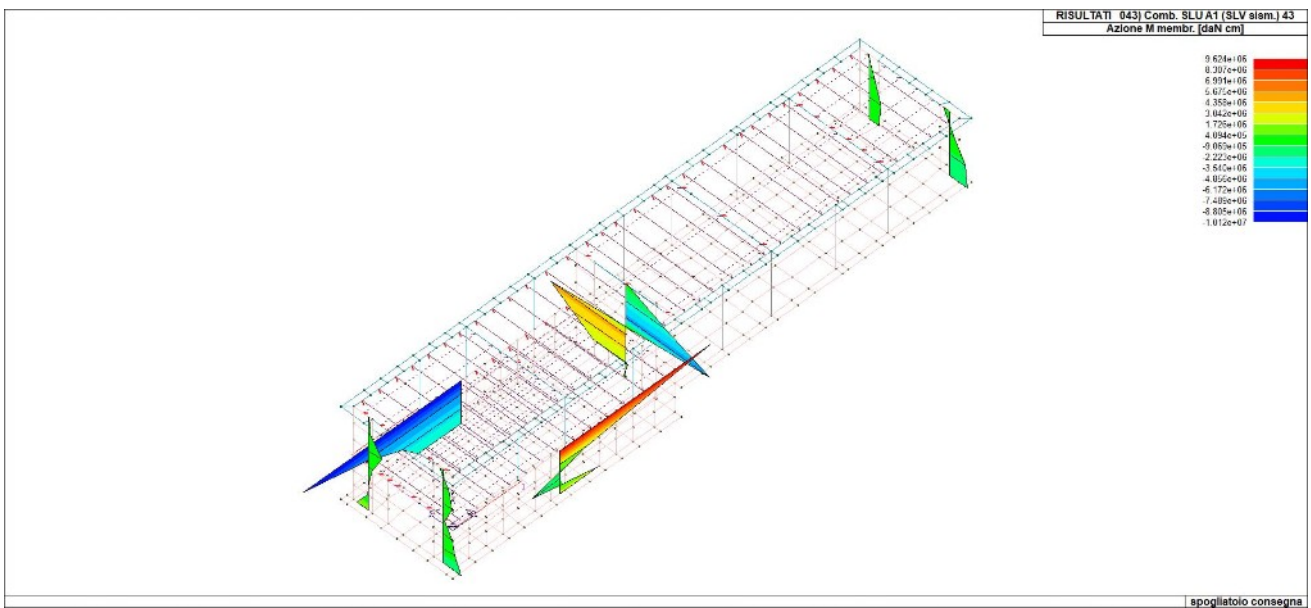
47_RIS_M_004_Comb. SLU A1.4



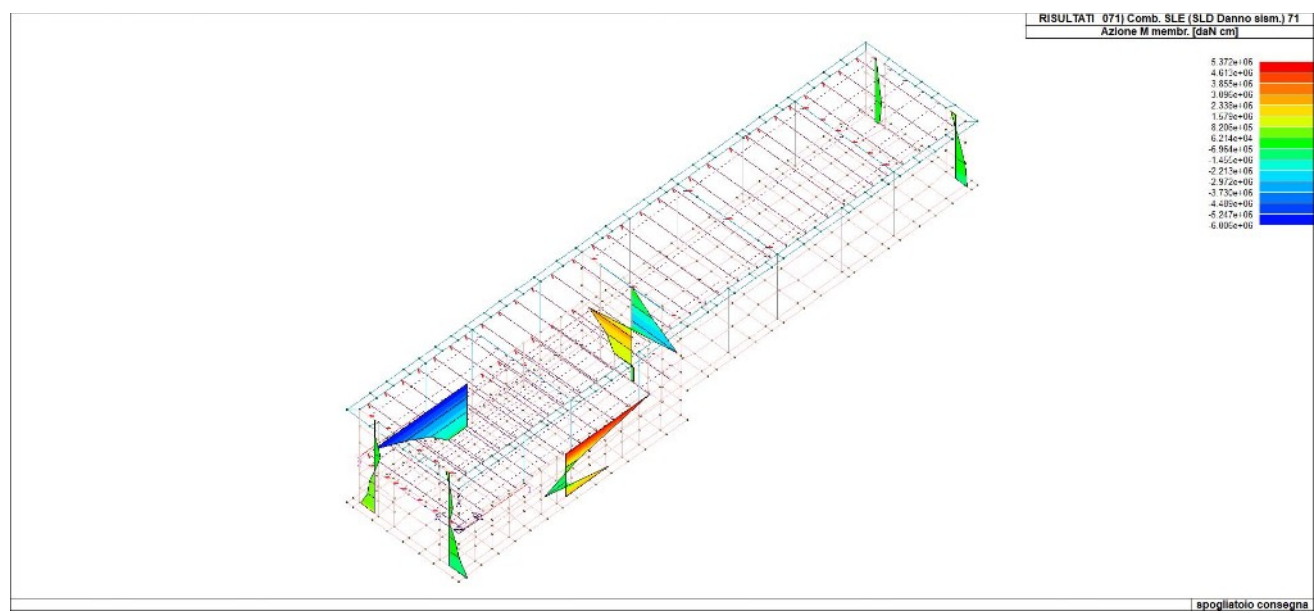
47_RIS_M_009_Comb. SLU A1 9



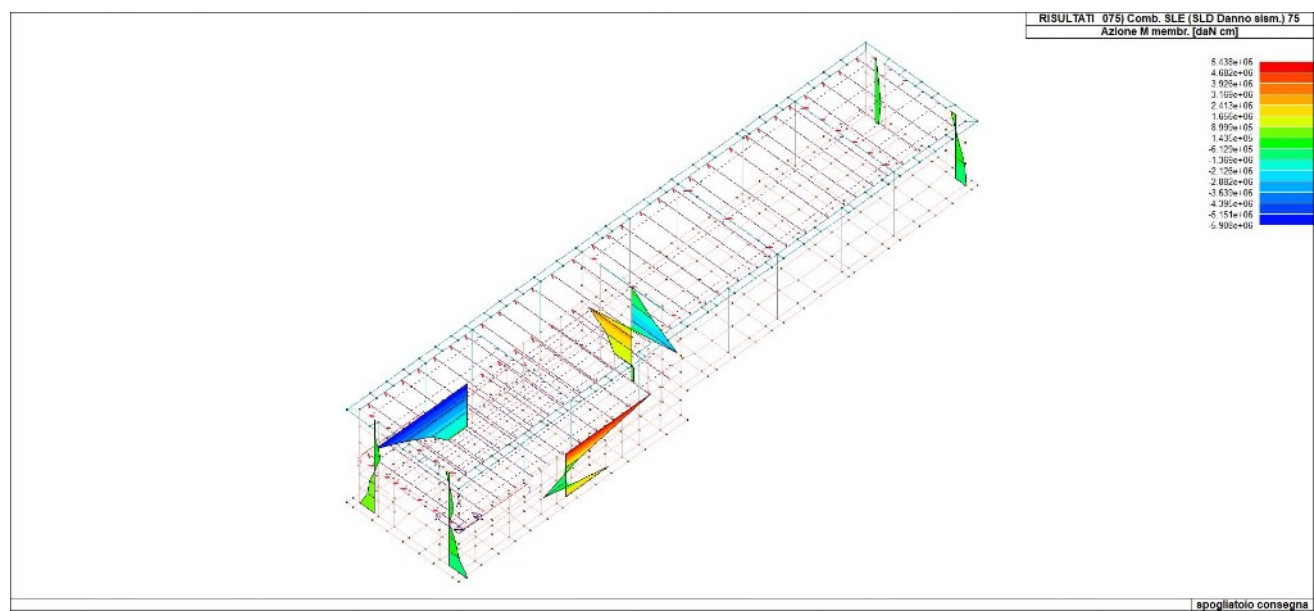
47_RIS_M_039_Comb. SLU A1 (SLV sism.) 39



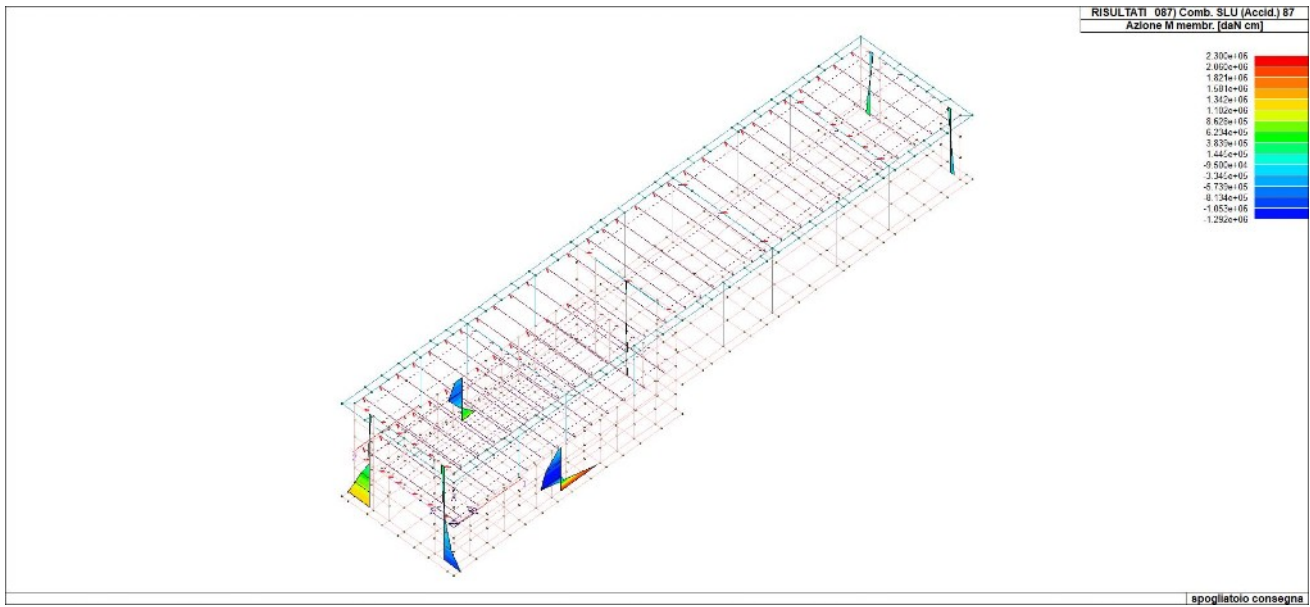
47_RIS_M_043_Comb. SLU A1 (SLV sism.) 43



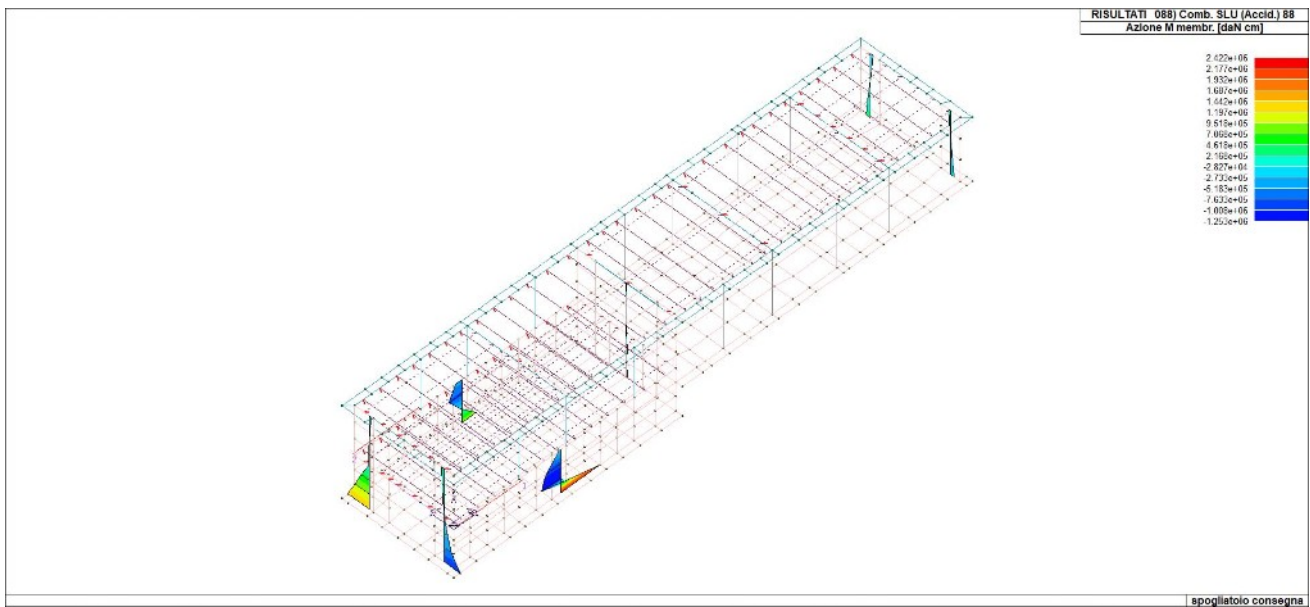
47_RIS_M_071_Comb. SLE (SLD Danno sism.) 71



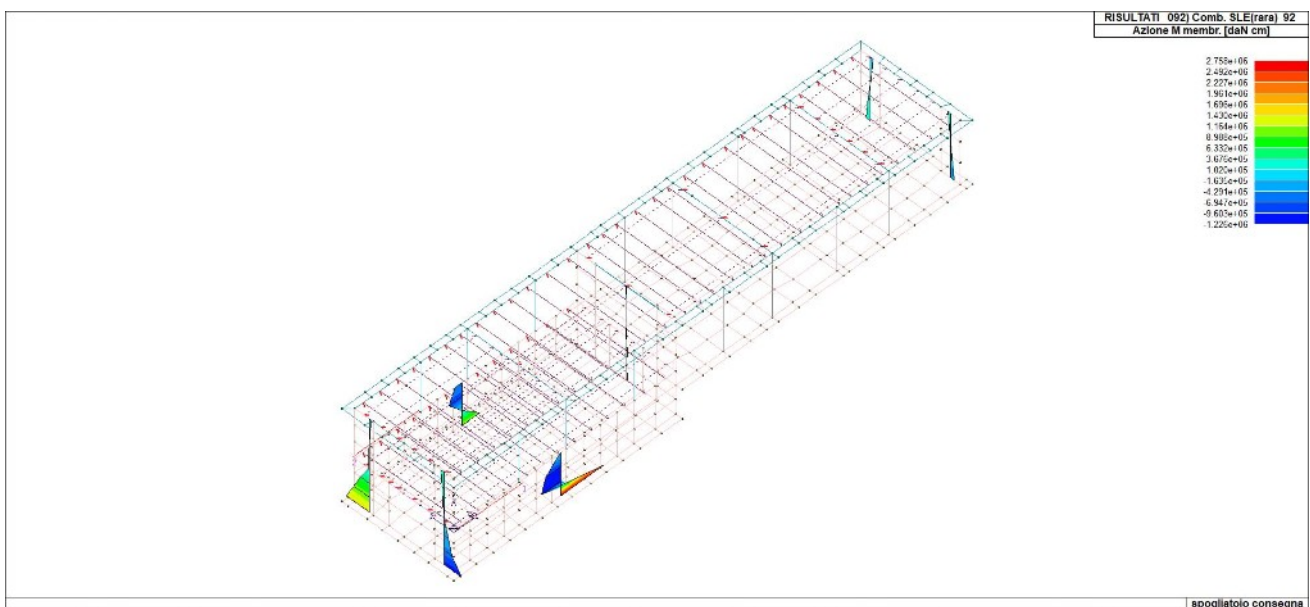
47_RIS_M_075_Comb. SLE (SLD Danno sism.) 75



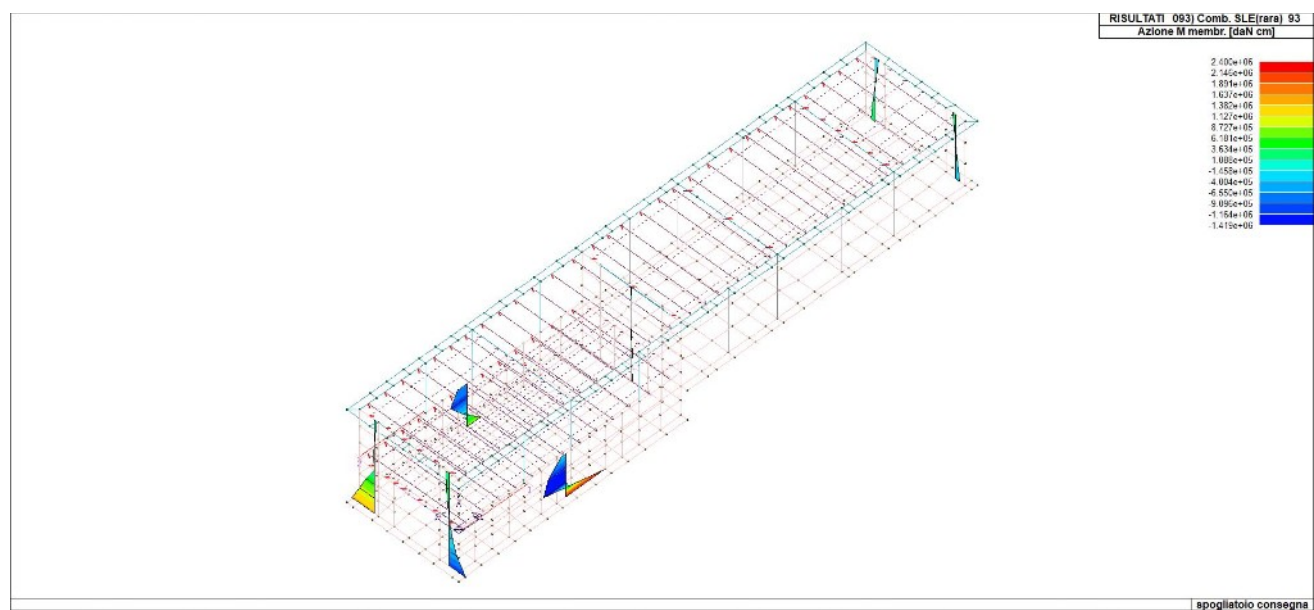
47_RIS_M_087_Comb. SLU (Accid.) 87



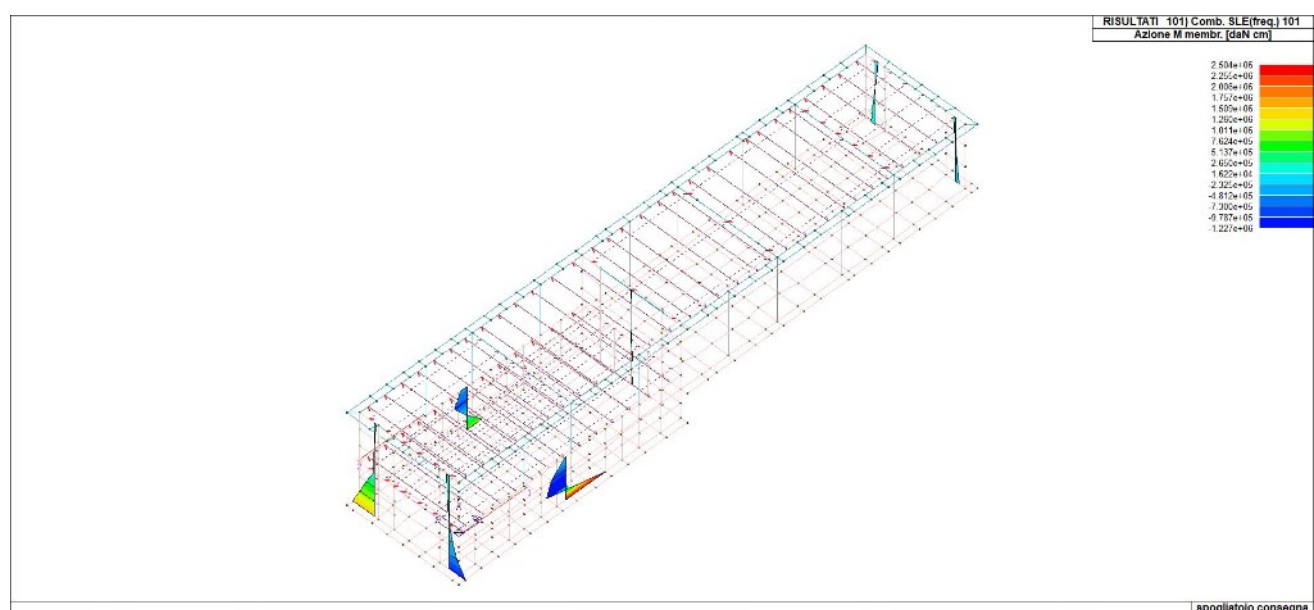
47_RIS_M_088_Comb. SLU (Accid.) 88



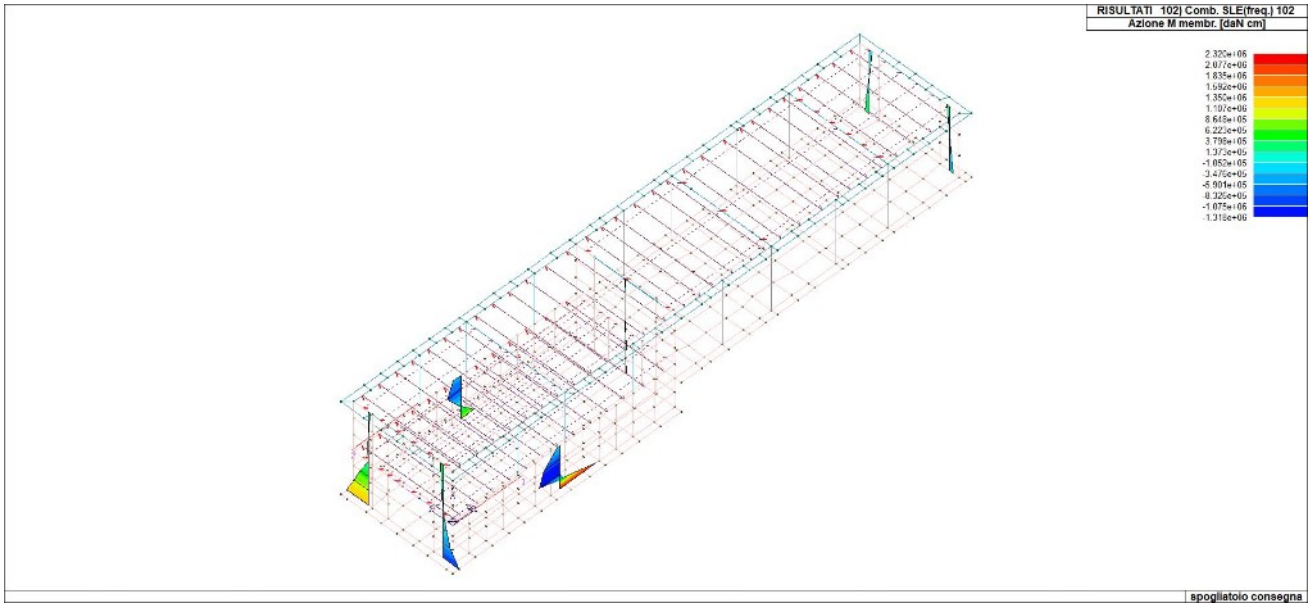
47_RIS_M_092_Comb. SLE(rara) 92



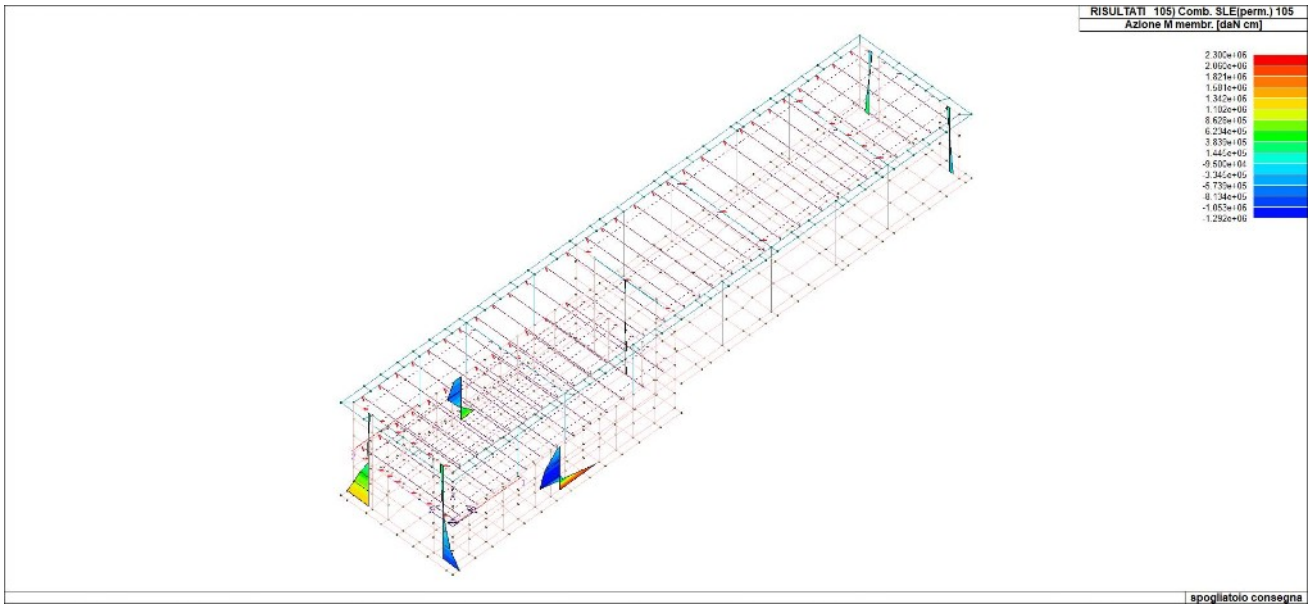
47_RIS_M_093_Comb. SLE(rara) 93



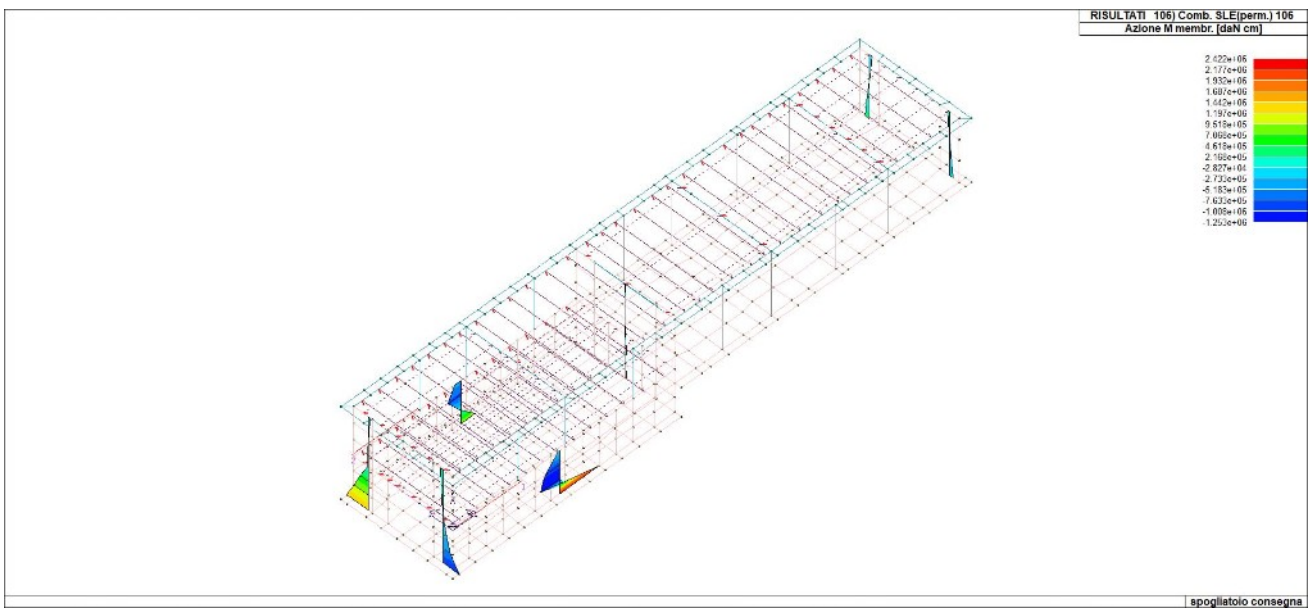
47_RIS_M_101_Comb. SLE(freq.) 101



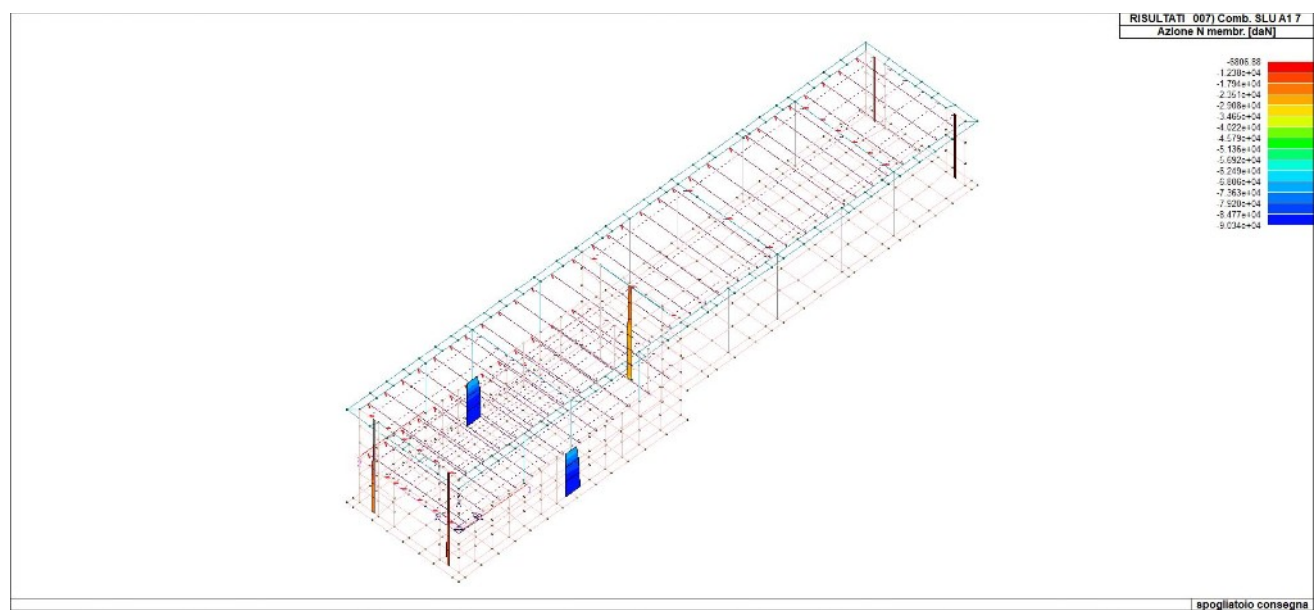
47_RIS_M_102_Comb. SLE(freq.) 102



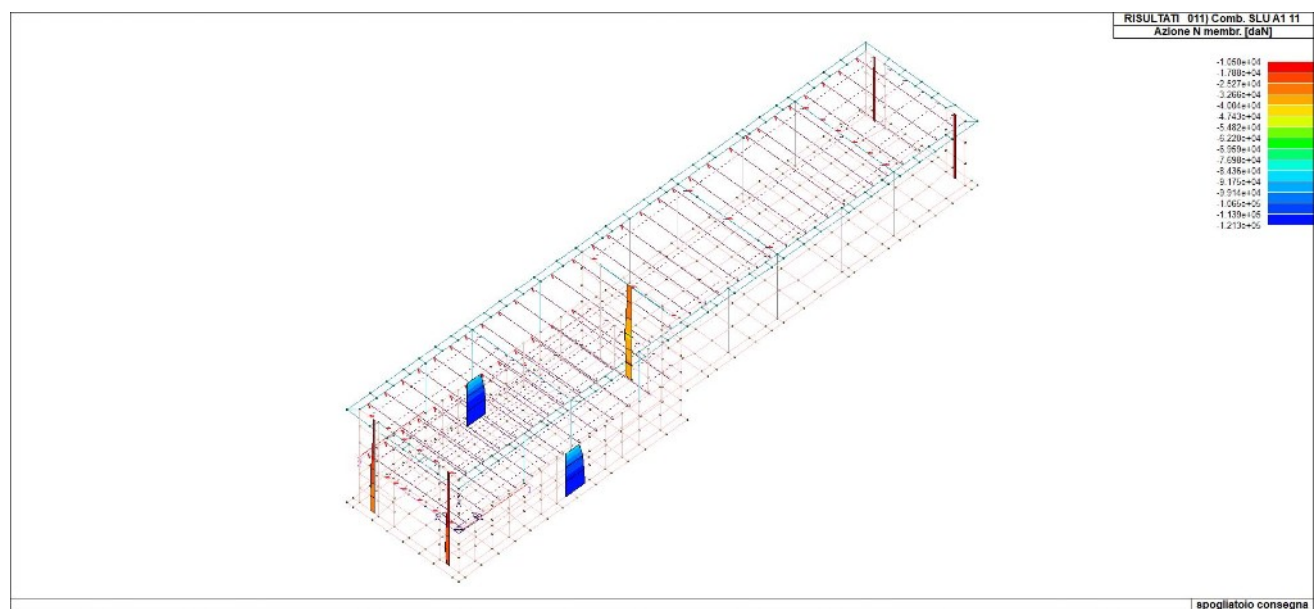
47_RIS_M_105_Comb. SLE(perm.) 105



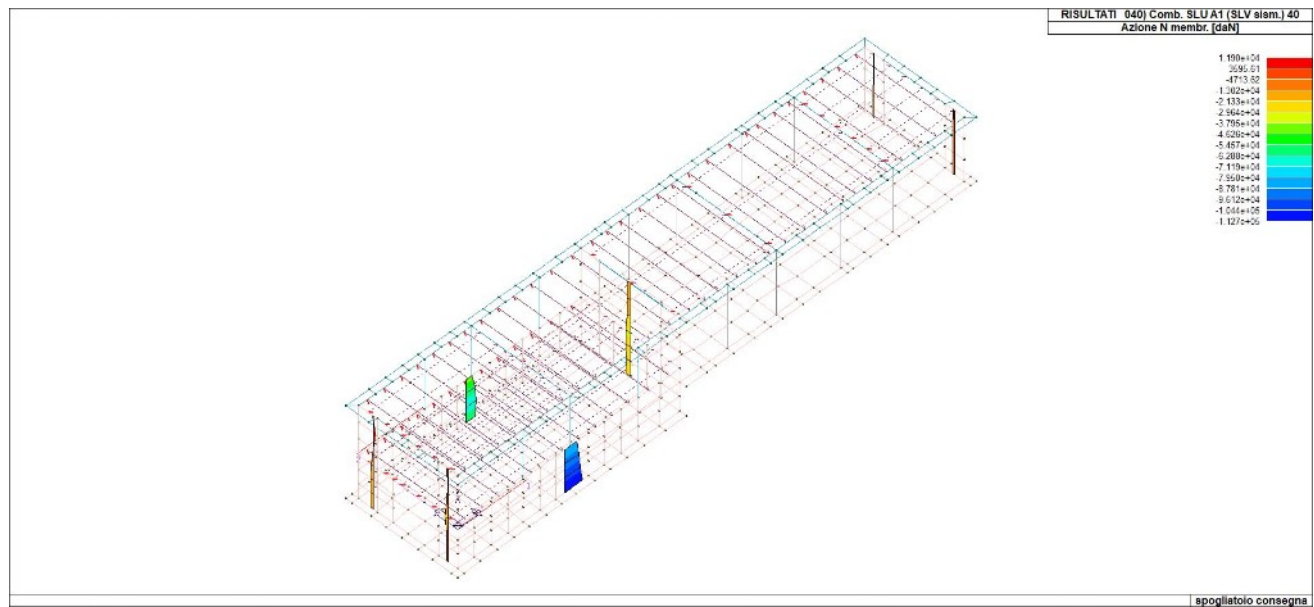
47_RIS_M_106_Comb. SLE(perm.) 106



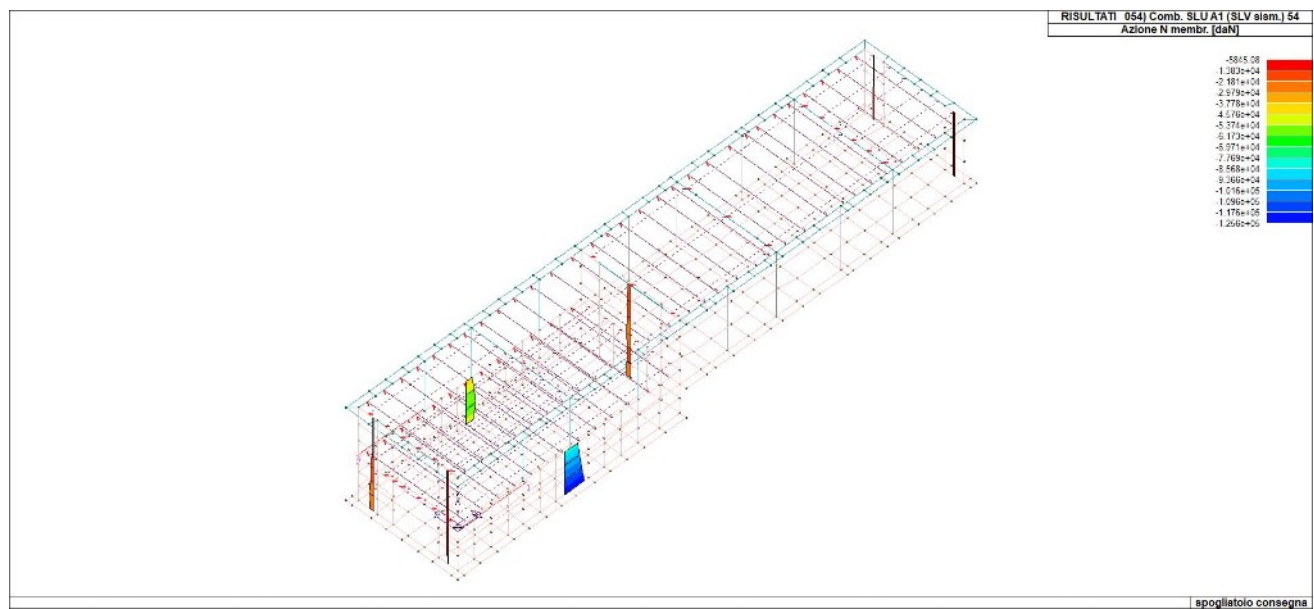
47_RIS_N_007_Comb. SLU A1 7



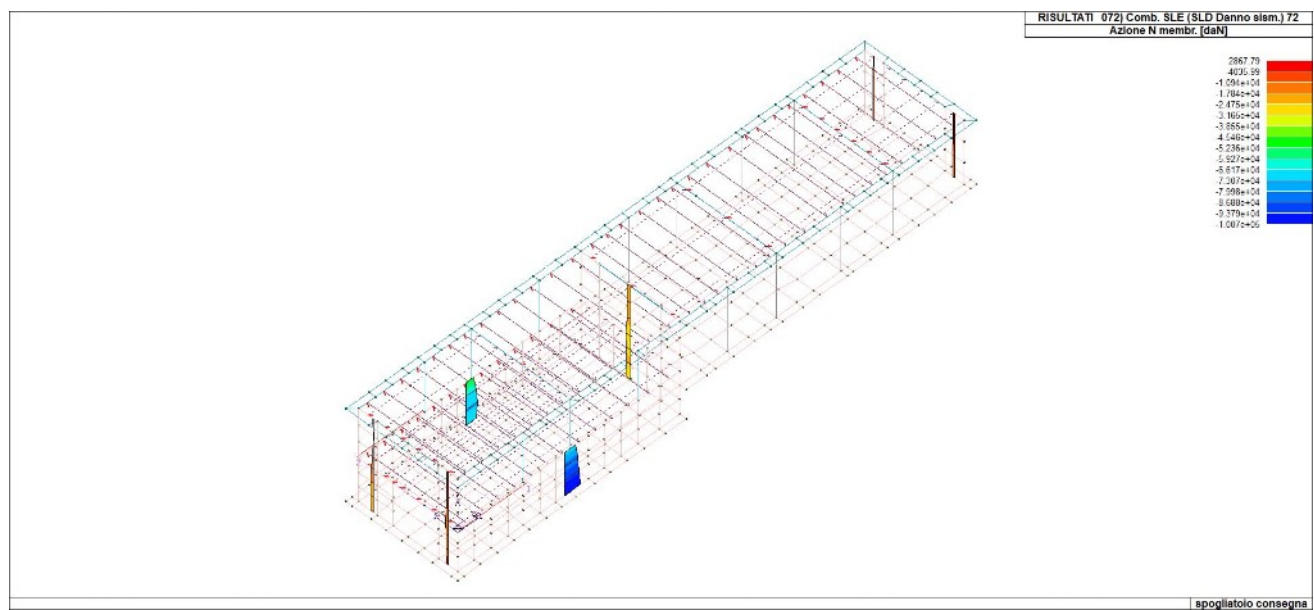
47_RIS_N_011_Comb. SLU A1 11



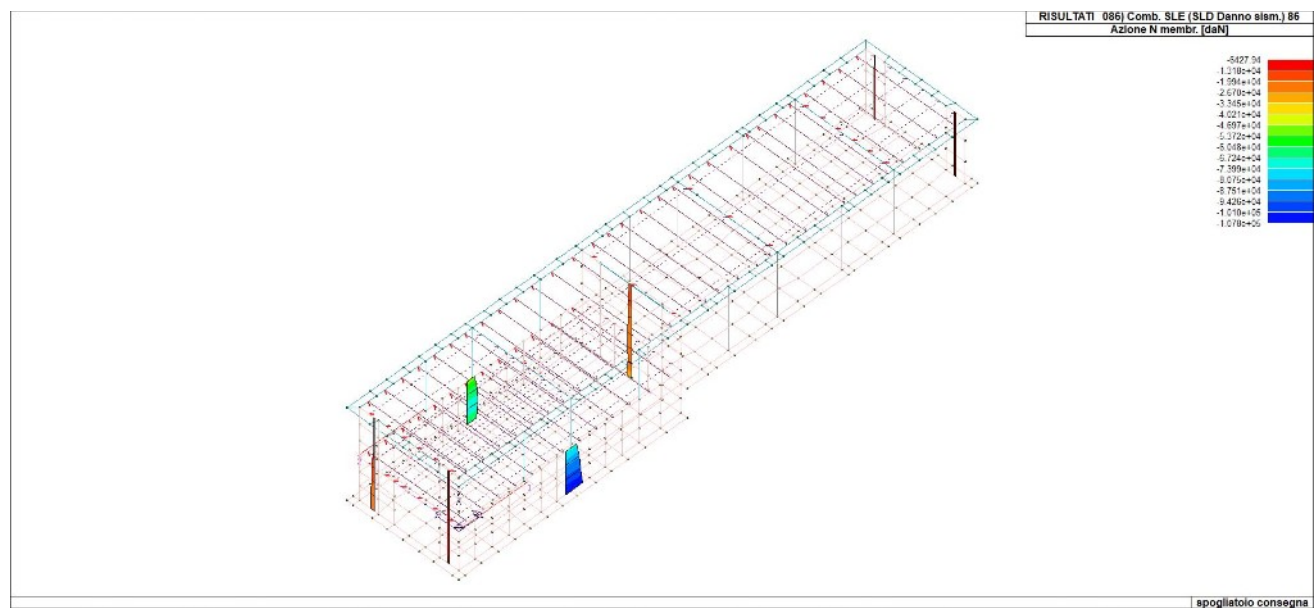
47_RIS_N_040_Comb. SLU A1 (SLV sism.) 40



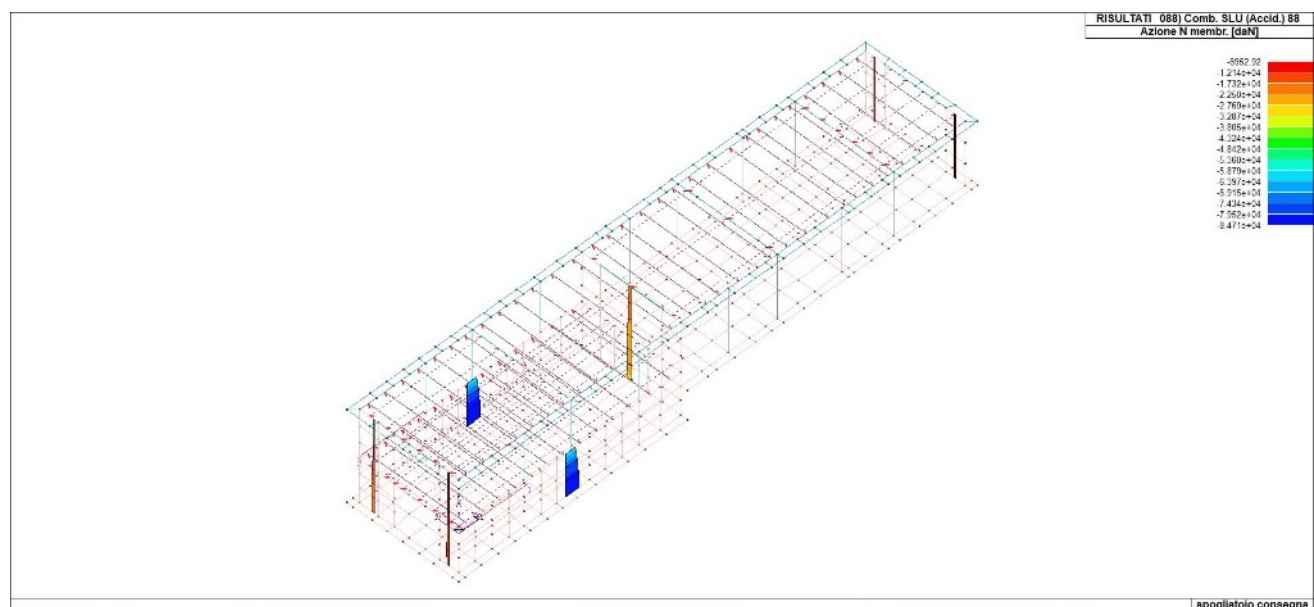
47_RIS_N_054_Comb. SLU A1 (SLV sism.) 54



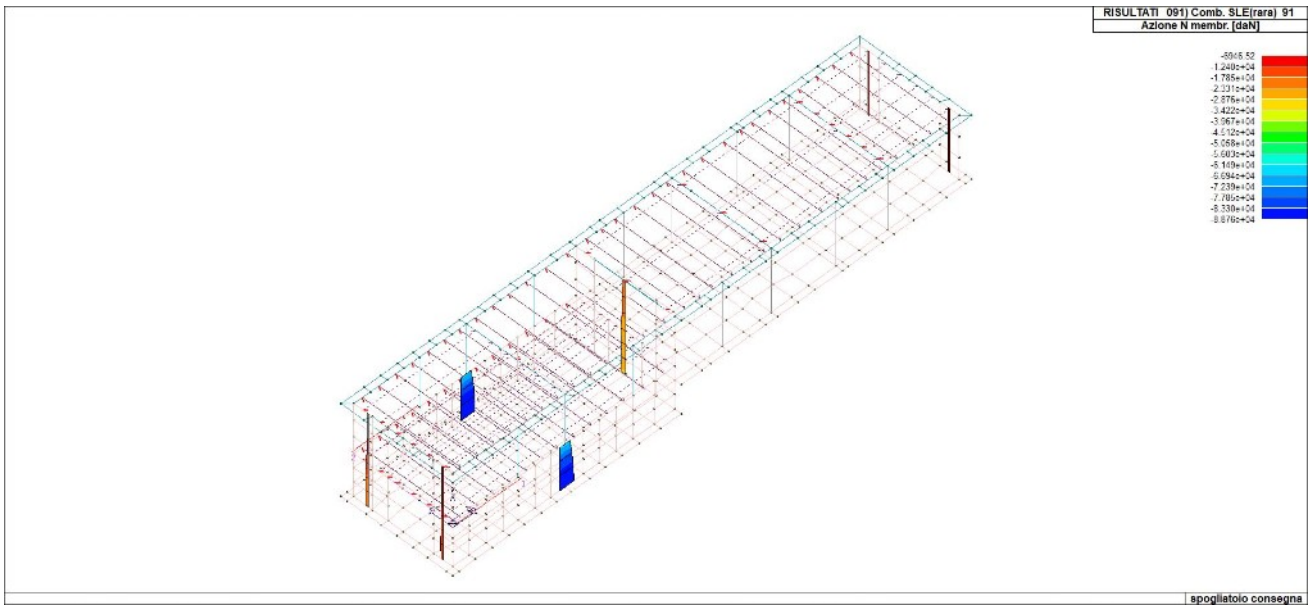
47_RIS_N_072_Comb. SLE (SLD Danno sism.) 72



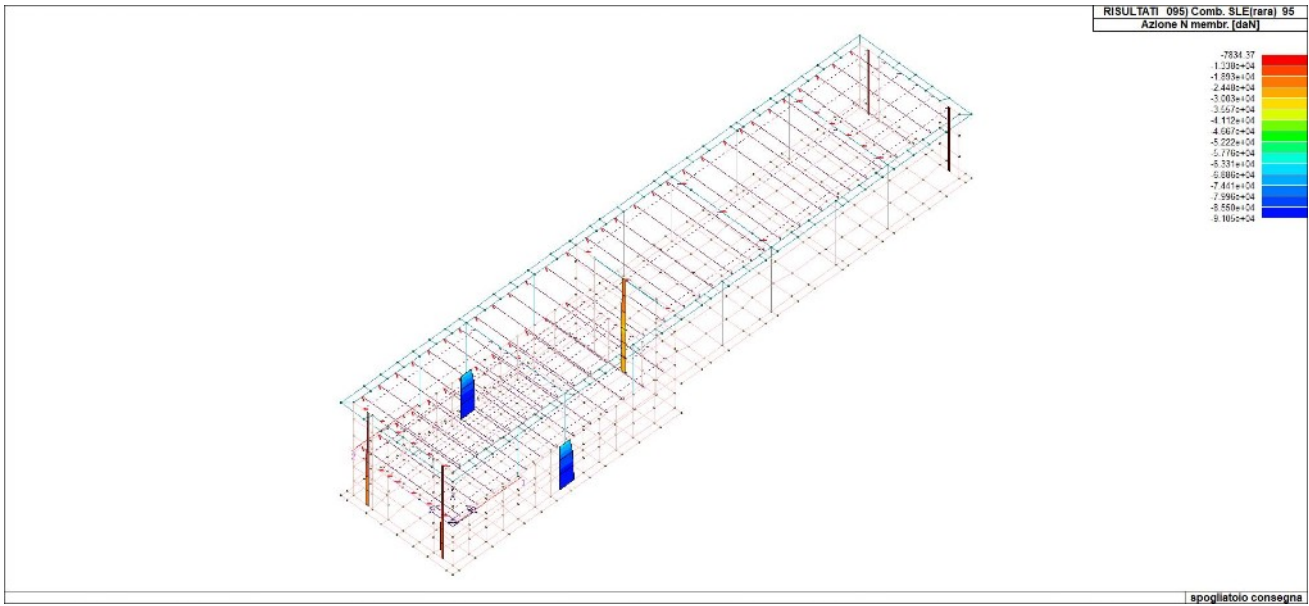
47_RIS_N_086_Comb. SLE (SLD Danno sism.) 86



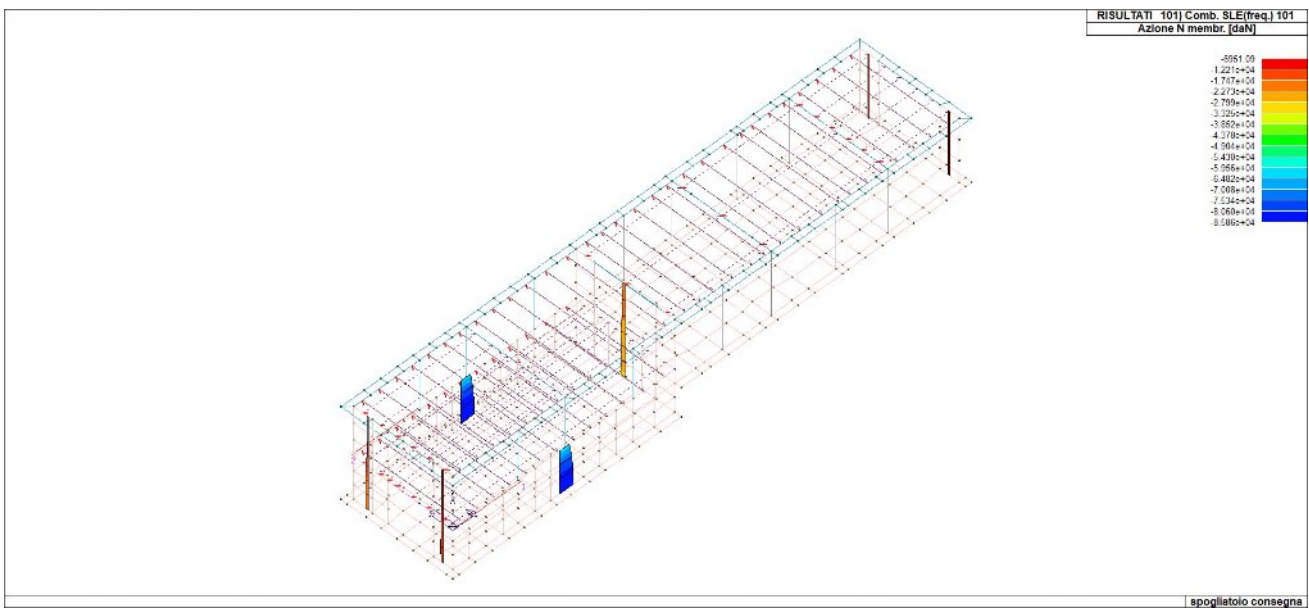
47_RIS_N_088_Comb. SLU (Accid.) 88



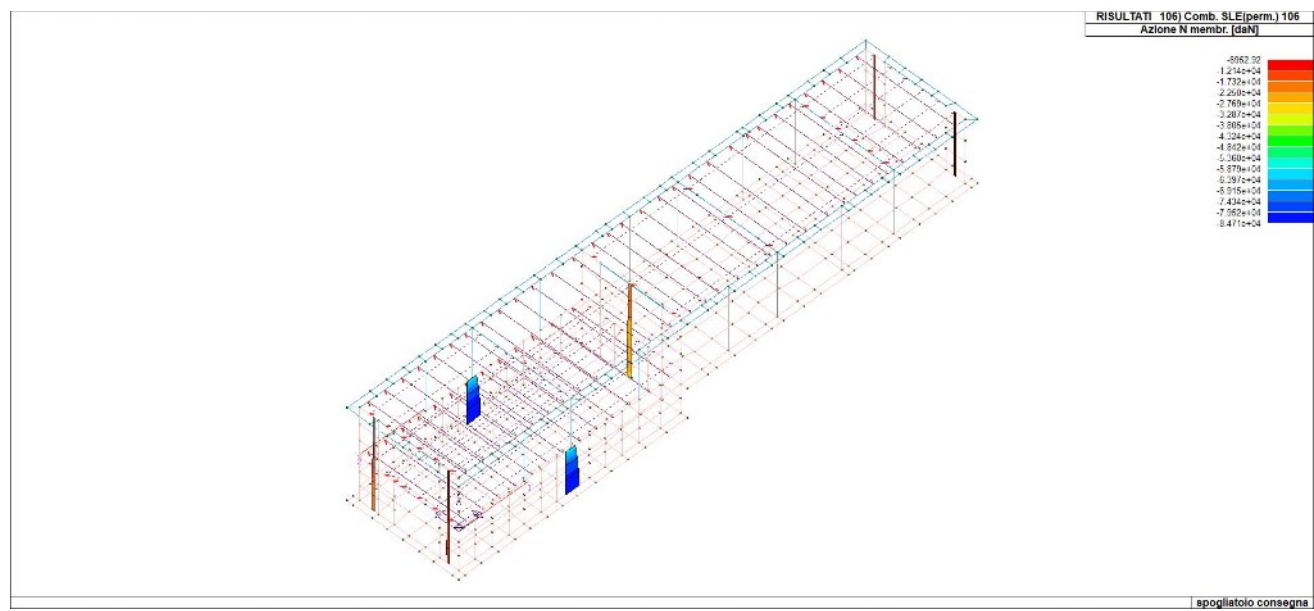
47_RIS_N_091_Comb. SLE(rara) 91



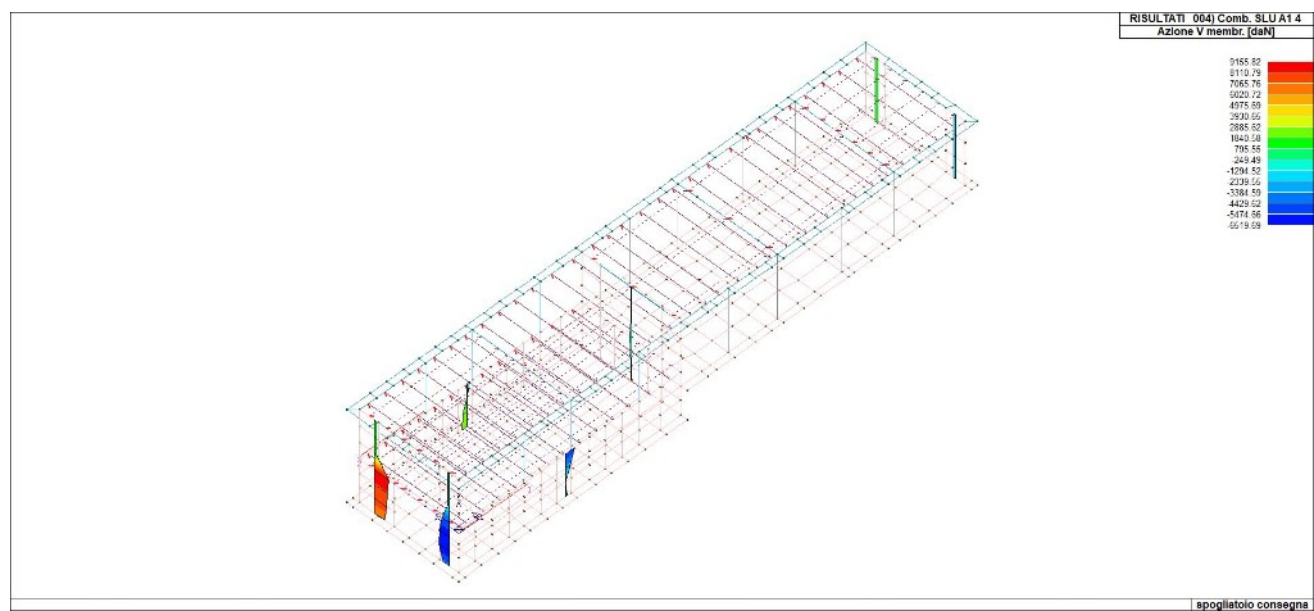
47_RIS_N_095_Comb. SLE(rara) 95



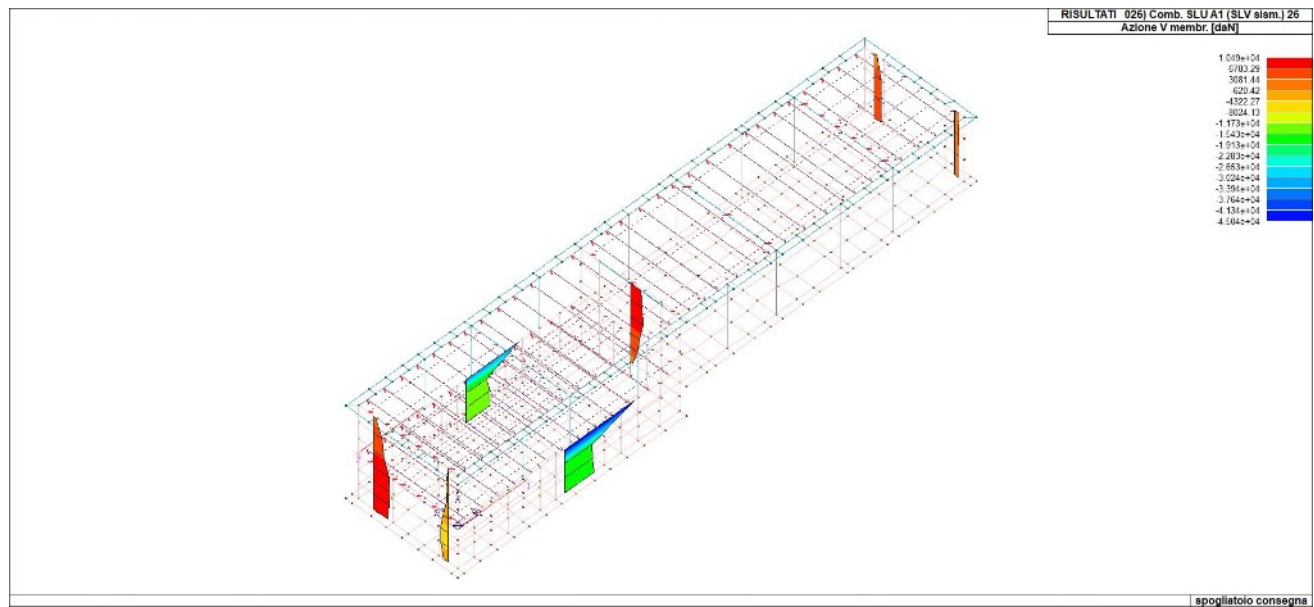
47_RIS_N_101_Comb. SLE(freq.) 101



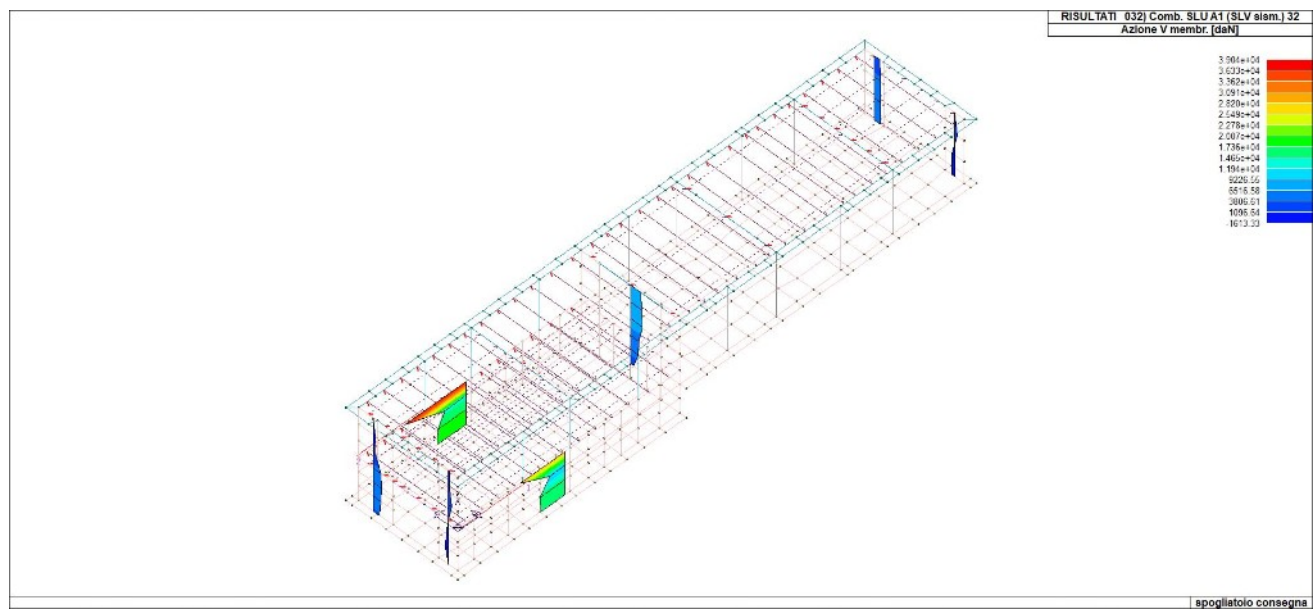
47_RIS_N_106_Comb. SLE(perm.) 106



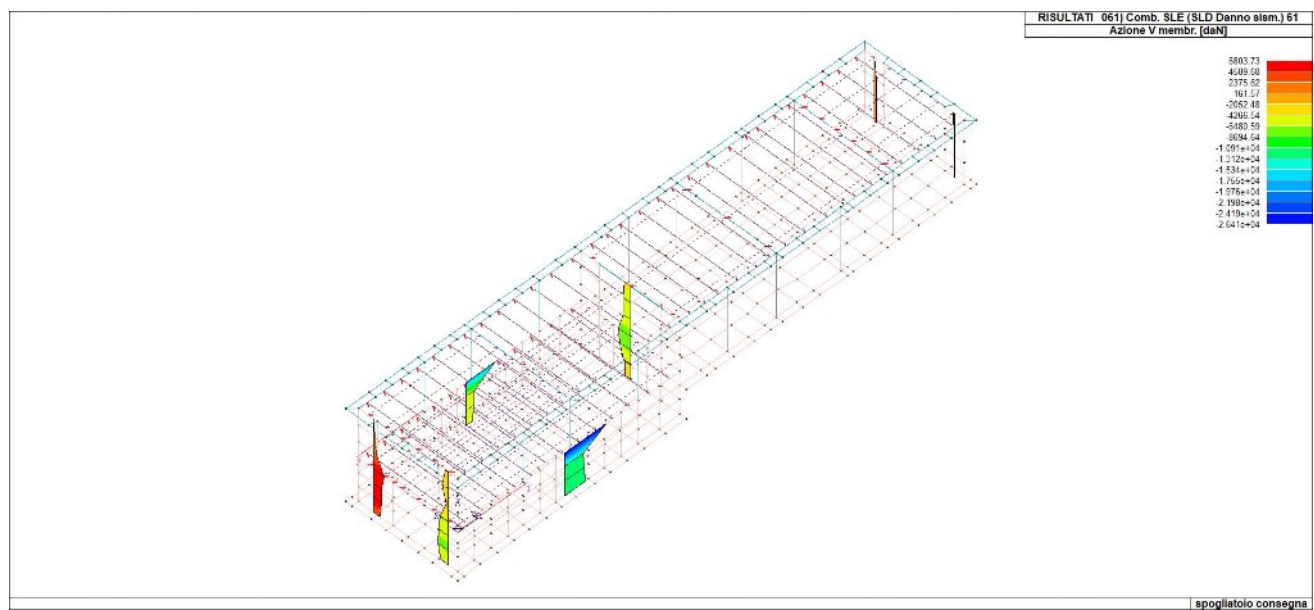
47_RIS_V_004_Comb. SLU A1 4



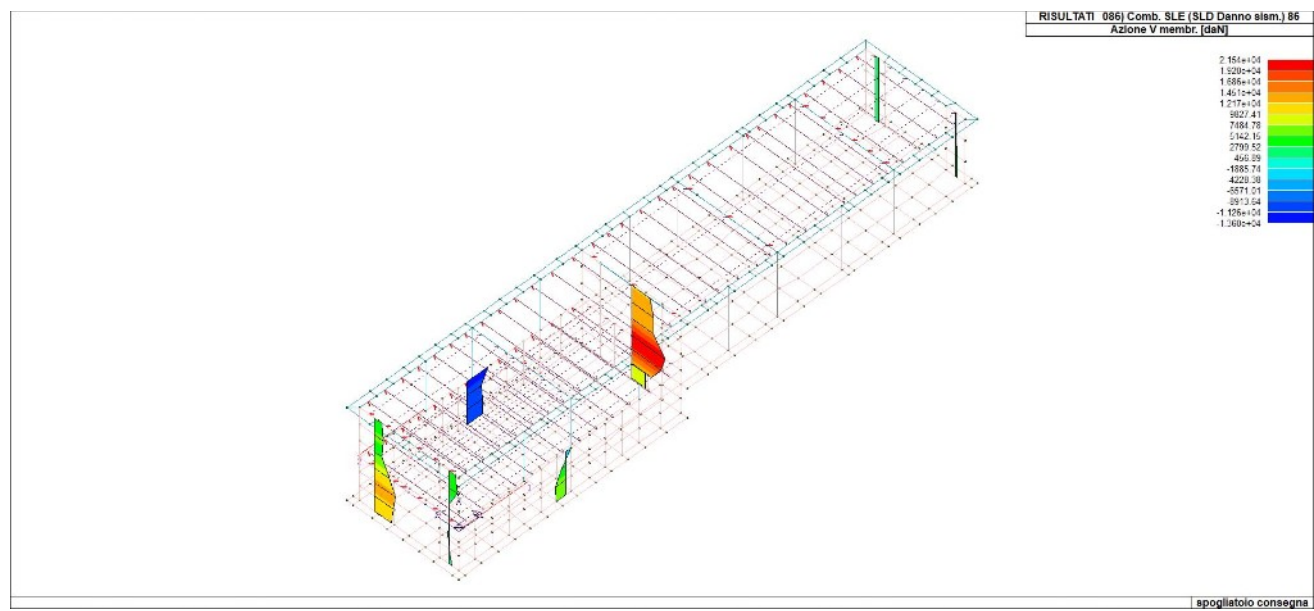
47_RIS_V_026_Comb. SLU A1 (SLV sism.) 26



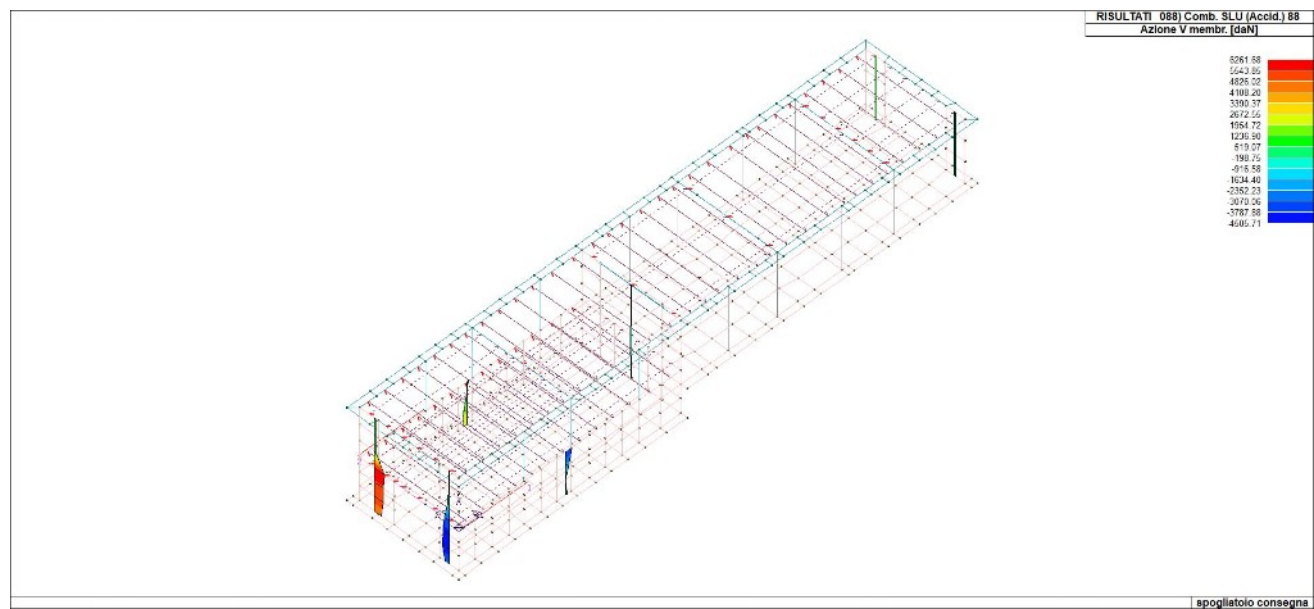
47_RIS_V_032_Comb. SLU A1 (SLV sism.) 32



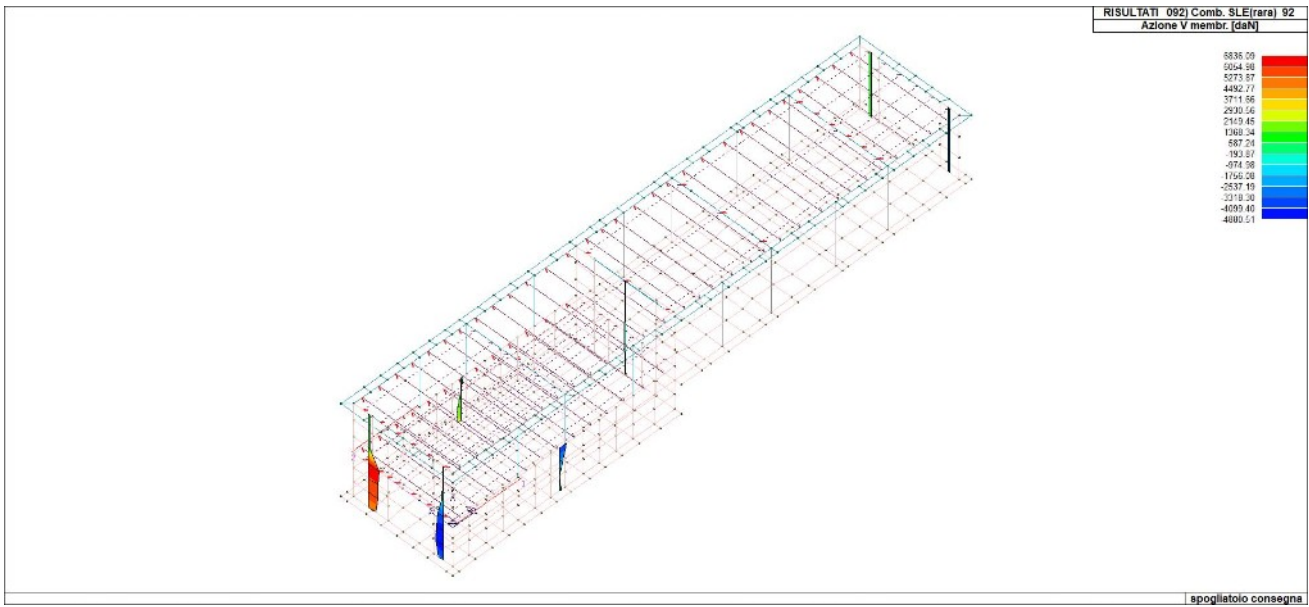
47_RIS_V_061_Comb. SLE (SLD Danno sism.) 61



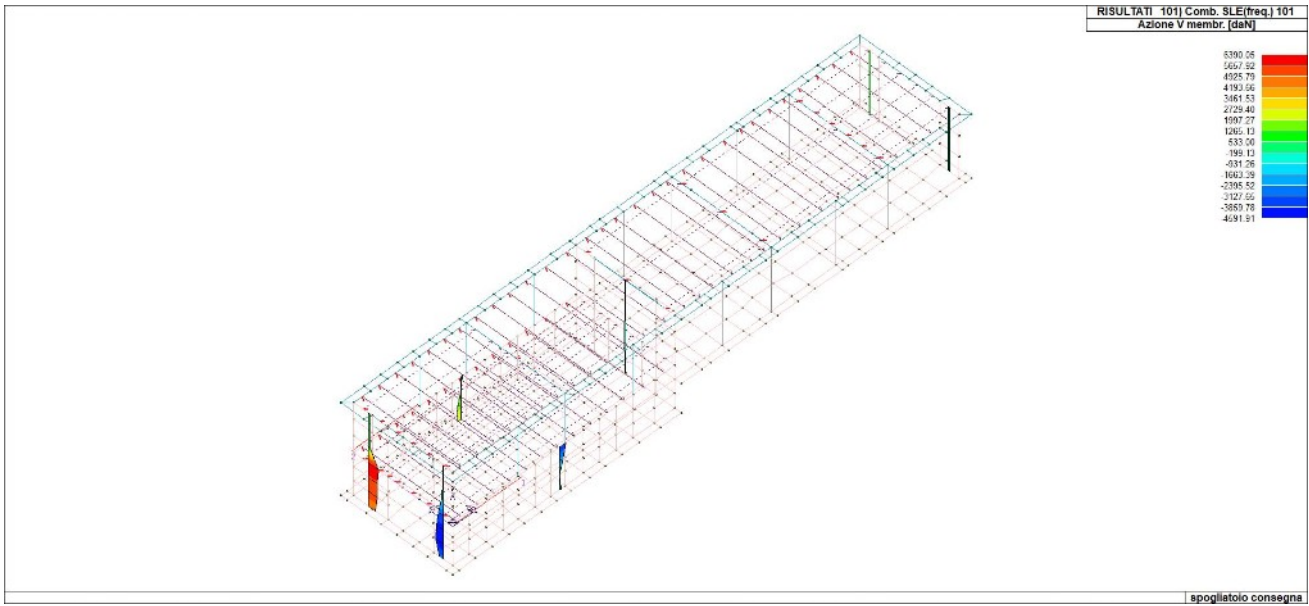
47_RIS_V_086_Comb. SLE (SLD Danno sism.) 86



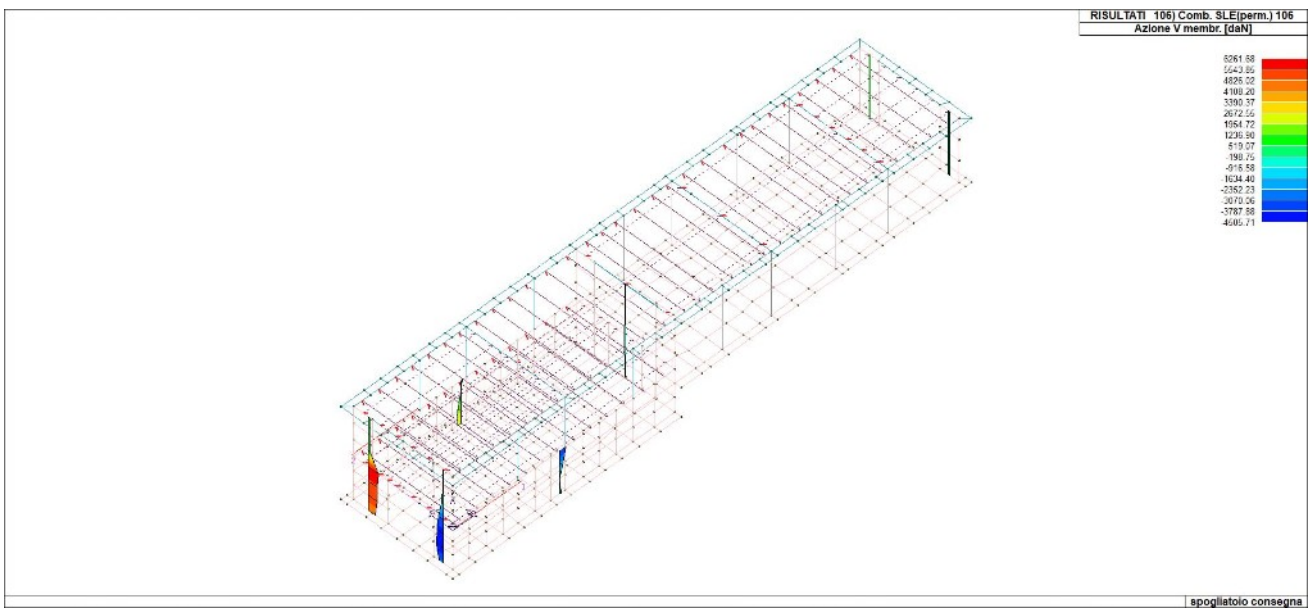
47_RIS_V_088_Comb. SLU (Accid.) 88



47_RIS_V_092_Comb. SLE(rara) 92



47_RIS_V_101_Comb. SLE(freq.) 101



47_RIS_V_106_Comb. SLE(perm.) 106

Macro	Tipo	Angolo 1-X (gradi)
2	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
2	11	4	3.47	-6.49	-0.43	-2.59	-4.87	-30.51	-252.28	-88.01	-194.78	-97.19
2	11	5	22.80	2.24	22.79	2.26	0.61	355.40	-133.25	219.15	3.00	-219.12
2	11	6	-0.94	-21.22	-21.17	-1.00	-1.05	416.51	-361.26	55.04	0.21	-387.92
2	11	7	-0.38	-3.44	-3.44	-0.38	7.88e-02	198.04	-280.49	-103.28	20.83	-231.08
2	11	8	10.55	-0.34	10.54	-0.33	0.30	36.78	-111.50	-99.59	24.86	-40.30
2	11	9	26.66	0.91	26.66	0.91	-7.05e-02	36.13	-50.96	23.13	-37.96	-31.03
2	11	10	23.32	-0.40	23.32	-0.39	-0.24	41.01	-62.60	-42.20	20.61	-41.20
2	11	11	23.57	-0.36	23.56	-0.36	0.29	44.57	-98.50	-74.76	20.83	53.23
2	11	12	30.80	0.86	30.80	0.86	-9.86e-02	66.17	-42.80	61.87	-38.51	-21.19
2	11	13	17.85	-0.32	17.85	-0.31	-0.35	26.44	-32.19	-22.27	16.52	-21.98
2	11	14	14.21	-0.16	14.21	-0.16	-4.20e-02	14.22	-48.73	-43.03	8.52	18.06
2	11	15	21.73	-0.32	21.73	-0.32	-0.10	102.24	-170.28	-85.71	17.67	126.07
2	11	16	36.09	0.70	36.08	0.71	0.31	151.79	-209.42	-47.14	-10.49	179.67
2	11	43	5.50	-18.17	-17.16	4.49	4.78	1422.62	-564.37	402.87	455.38	-993.15
2	11	44	-11.50	-13.49	-11.72	-13.27	-0.63	374.76	-2490.20	-300.27	-1815.18	-1215.84
2	11	45	-4.19	-18.65	-6.33	-16.52	5.13	-362.85	-2598.56	-487.73	-2473.68	-513.43
2	11	46	8.14	-19.44	5.54	-16.84	8.06	-442.12	-2533.15	-450.50	-2524.76	-132.14
2	11	47	28.01	-18.38	27.52	-17.90	4.72	-666.88	-2620.49	-669.60	-2617.77	-72.84
2	11	48	18.06	-16.18	17.90	-16.02	2.33	-441.52	-2430.50	-442.06	-2429.96	-32.81
2	11	49	19.92	-16.61	19.69	-16.38	2.88	-439.15	-2420.50	-440.81	-2418.84	57.18
2	11	50	31.66	-17.45	31.61	-17.40	-1.58	-639.21	-2510.00	-639.25	-2509.96	-8.79
2	11	51	3.90	-0.84	3.88	-0.83	-0.30	12.18	-437.54	-356.11	-69.25	-173.18
2	11	52	11.38	-16.24	10.68	-15.54	-4.34	-459.67	-2370.93	-460.66	-2369.94	43.40
2	11	53	15.48	-16.59	14.64	-15.75	-5.12	-406.63	-2443.47	-432.80	-2417.30	229.39
2	11	54	35.05	-19.01	33.94	-17.90	-7.65	-524.58	-2507.85	-625.40	-2407.03	435.65
2	11	77	1.12	-38.07	-5.16	-31.79	14.37	2273.75	-288.03	1702.17	283.54	-1066.56
2	11	78	0.42	-39.30	-2.39	-36.49	10.18	1506.50	432.72	918.57	1020.65	-534.46
2	11	79	4.98	-35.08	2.89	-33.00	8.90	1055.04	413.75	484.51	984.27	-200.93
2	11	80	6.94	-30.63	5.36	-29.06	7.54	1099.69	219.01	219.35	1099.36	-17.25
2	11	81	11.62	-30.19	10.78	-29.35	5.88	944.05	235.52	238.35	941.22	44.68
2	11	82	12.34	-29.23	12.28	-29.17	1.60	930.82	188.63	188.81	930.64	-11.44
2	11	83	9.50	-27.69	9.46	-27.66	-1.14	1074.45	113.92	114.23	1074.14	17.31
2	11	84	10.10	-30.08	9.84	-29.82	-3.20	956.41	232.74	233.36	955.80	21.11
2	11	85	8.27	-31.53	6.92	-30.18	-7.20	1030.86	304.35	305.87	1029.34	33.21
2	11	86	8.65	-32.92	5.58	-29.86	-10.86	1028.51	439.93	468.71	999.73	126.92
2	11	87	3.31	-33.81	-1.88	-28.62	-12.88	1785.82	494.69	781.32	1499.19	536.58
2	11	109	3.79	-22.76	-0.51	-18.45	-9.79	493.43	-3569.40	447.00	-3522.97	-431.85
2	11	110	-7.56	-41.25	-7.63	-41.19	1.50	-2459.88	-5028.37	-3128.79	-4359.46	-1127.23
2	11	118	-0.17	-80.54	-0.24	-80.47	2.37	2421.71	-240.83	-239.92	2420.79	49.31
2	11	119	5.31	-60.38	5.30	-60.37	-0.79	2850.00	145.01	152.48	2842.53	141.97
2	11	120	-6.99	-46.39	-7.06	-46.32	1.66	2004.41	1015.15	1025.35	1994.22	99.90
2	11	121	-2.09	-37.35	-3.30	-36.15	6.40	2394.62	1337.83	1405.65	2326.80	-258.98
2	11	122	1.04	-32.24	0.26	-31.46	5.03	2428.57	955.98	967.39	2417.15	-129.14
2	11	123	3.82	-28.76	3.31	-28.24	4.06	2412.40	630.93	631.08	2412.26	-15.97
2	11	124	6.10	-27.17	5.83	-26.90	2.99	2359.02	504.31	504.41	2358.92	14.04
2	11	125	7.00	-26.34	6.94	-26.28	1.41	2338.82	444.24	444.32	2338.74	12.23
2	11	126	6.54	-26.11	6.54	-26.11	-5.89e-02	2343.58	413.53	413.55	2343.56	5.90
2	11	127	5.21	-26.85	5.12	-26.76	-1.75	2331.79	481.54	481.79	2331.54	21.39
2	11	128	2.77	-27.65	2.26	-27.13	-3.93	2347.56	631.50	631.73	2347.34	19.53
2	11	130	-7.55	-31.40	-10.21	-28.75	-7.50	2407.32	1314.94	1461.00	2261.26	371.78
2	11	153	-17.07	-43.91	-19.08	-41.90	7.06	2425.54	828.64	1734.66	1519.51	-791.17
2	11	156	-0.14	-88.14	-0.15	-88.13	-0.87	2968.76	-212.59	-198.36	2954.52	-212.34
2	11	157	3.69	-64.31	3.30	-63.92	5.14	3309.66	125.47	200.29	3234.84	-482.34
2	11	158	-4.96	-48.49	-6.14	-47.30	7.09	2492.85	828.98	1003.48	2318.35	-509.80
2	11	159	-3.30	-35.23	-3.43	-35.10	1.99	2419.93	1511.37	1526.43	2404.87	-116.00
2	11	160	0.47	-30.82	0.40	-30.75	1.50	2503.64	1091.09	1091.70	2503.03	-29.28
2	11	161	3.30	-27.79	3.25	-27.74	1.27	2509.06	705.69	705.69	2509.06	-2.82
2	11	162	5.21	-26.15	5.17	-26.11	1.08	2477.06	532.82	532.83	2477.05	3.94
2	11	163	6.10	-25.41	6.07	-25.39	0.90	2455.07	461.97	461.99	2455.06	5.42
2	11	164	5.76	-25.33	5.75	-25.31	0.73	2449.68	441.89	441.90	2449.67	5.50
2	11	165	3.92	-25.70	3.91	-25.69	0.60	2452.56	505.97	505.99	2452.55	5.54
2	11	166	0.40	-25.84	0.39	-25.83	0.52	2470.68	674.92	674.93	2470.66	5.50
2	11	167	-5.91	-25.95	-5.93	-25.94	0.47	2469.00	1066.24	1066.27	2468.97	6.14
2	11	168	-14.28	-28.55	-14.29	-28.54	0.44	2289.26	1671.41	1671.54	2289.14	8.69
2	11	194	0.36	-41.17	-1.41	-39.40	8.40	409.53	-2483.13	381.52	-2455.11	283.28
2	11	195	0.31	-66.85	-3.54e-02	-66.51	4.80	-2421.05	-3580.92	-2969.62	-3032.35	579.09
2	11	196	-5.62	-32.65	-5.96	-32.30	-3.03	1833.71	937.21	1809.25	961.67	146.03
2	11	197	5.96e-02	-34.38	-9.15e-02	-34.23	-2.28	2162.20	1500.54	1602.73	2060.01	239.10
2	11	198	3.31	-31.06	3.21	-30.97	-1.79	2370.46	1021.78	1033.62	2358.61	125.84
2	11	199	5.92	-28.01	5.87	-27.96	-1.31	2408.08	652.95	653.36	2407.67	26.84

2	11	200	8.04	-26.61	8.02	-26.60	-0.65	2371.45	512.12	512.12	2371.45	0.28
2	11	201	8.83	-26.00	8.82	-25.99	0.54	2359.29	448.83	448.83	2359.29	2.12
2	11	202	8.19	-25.96	8.11	-25.88	1.69	2369.83	418.75	418.79	2369.79	8.08
2	11	203	6.61	-26.91	6.32	-26.61	3.13	2364.88	488.26	488.29	2364.85	-7.42
2	11	204	3.97	-27.91	3.11	-27.05	5.16	2386.28	639.47	639.49	2386.26	-5.87
2	11	205	-0.59	-28.93	-2.68	-26.84	7.40	2435.89	947.52	956.38	2427.02	-114.54
2	11	206	-6.76	-32.07	-10.11	-28.71	8.58	2439.60	1346.27	1477.52	2308.34	-355.36
2	11	233	14.10	-16.14	-16.02	13.98	-1.89	724.43	-1919.61	-1155.74	-39.44	1198.42
2	11	238	1.06	-30.71	0.96	-30.60	-1.83	2348.73	-820.06	955.38	573.29	1572.84
2	11	239	3.91	-34.88	3.08	-34.05	-5.61	1701.36	290.80	928.58	1063.59	702.04
2	11	240	8.92	-32.81	8.25	-32.14	-5.22	1163.21	427.06	538.22	1052.05	263.58
2	11	241	10.77	-28.92	10.29	-28.44	-4.34	1172.05	249.80	252.56	1169.30	50.34
2	11	242	15.34	-28.93	15.13	-28.72	-3.06	1022.26	253.41	254.05	1021.62	-22.16
2	11	243	16.12	-28.61	16.10	-28.60	0.80	1010.98	201.96	203.03	1009.91	29.39
2	11	244	12.95	-27.49	12.68	-27.23	3.28	1148.09	130.33	130.33	1148.08	0.51
2	11	245	12.86	-30.16	12.23	-29.54	5.15	1034.37	247.19	247.21	1034.35	-3.43
2	11	246	10.57	-31.98	8.59	-30.01	8.96	1105.98	319.95	320.30	1105.62	-16.62
2	11	247	10.40	-33.66	6.52	-29.78	12.49	1095.43	466.84	487.02	1075.24	-110.81
2	11	248	4.64	-34.82	-1.59	-28.60	14.38	1834.59	538.90	802.68	1570.81	-521.72
2	11	253	-6.97	-61.64	-11.21	-57.40	-14.62	138.37	-2568.21	-2074.21	-355.63	-1045.47
2	11	274	6.46	0.28	0.28	6.46	-0.12	343.81	-162.20	-40.37	221.98	216.34
2	11	275	-0.34	-10.80	-4.63	-6.52	-5.14	675.56	-710.55	-19.38	-15.60	693.05
2	11	276	-5.21	-13.79	-5.87	-13.12	-2.29	311.04	-1944.99	-224.38	-1409.57	959.81
2	11	277	1.75	-16.38	1.02	-15.65	-3.57	-269.16	-2340.21	-420.07	-2189.31	538.29
2	11	278	13.58	-17.40	12.42	-16.24	-5.89	-408.04	-2380.23	-422.99	-2365.28	171.06
2	11	279	34.84	-17.68	34.67	-17.50	-3.01	-641.01	-2481.97	-644.28	-2478.69	77.56
2	11	280	24.85	-15.55	24.83	-15.53	-0.89	-420.33	-2315.60	-421.36	-2314.57	44.17
2	11	281	25.82	-16.01	25.77	-15.97	-1.36	-423.91	-2329.87	-425.23	-2328.55	-50.17
2	11	282	36.81	-17.28	36.67	-17.14	2.79	-625.80	-2435.90	-625.89	-2435.82	12.54
2	11	284	14.04	-16.39	13.02	-15.38	5.46	-454.03	-2338.84	-454.86	-2338.01	-39.53
2	11	285	16.81	-16.75	15.63	-15.56	6.20	-403.80	-2429.40	-429.50	-2403.70	-226.69
2	11	286	35.63	-19.19	34.26	-17.83	8.55	-525.45	-2511.88	-626.78	-2410.55	-437.06
2	11	312	1.00	-1.79	-0.62	-0.16	1.38	-6.12	-153.18	-63.16	-96.14	71.66
2	11	313	7.40	0.56	7.40	0.56	8.76e-02	278.48	-140.26	160.08	-21.85	188.57
2	11	314	-0.28	-8.98	-8.92	-0.34	0.71	372.00	-297.33	76.51	-1.83	332.37
2	11	315	3.64	-0.17	3.64	-0.17	1.66e-02	199.24	-267.57	-88.28	19.95	227.04
2	11	316	18.52	-0.26	18.52	-0.26	-0.27	37.18	-111.34	-88.84	14.67	53.25
2	11	317	34.96	0.87	34.96	0.87	3.42e-02	28.47	-57.97	6.71	-36.21	37.52
2	11	318	31.05	-0.34	31.05	-0.34	0.18	47.71	-71.33	-53.01	29.39	42.95
2	11	319	30.80	-0.34	30.80	-0.34	-0.24	41.07	-94.23	-72.39	19.24	-49.78
2	11	320	36.41	0.86	36.41	0.86	8.92e-02	58.02	-42.06	52.14	-36.18	23.54
2	11	321	22.07	-0.30	22.06	-0.30	0.33	24.76	-29.22	-20.20	15.73	20.15
2	11	322	16.92	-0.14	16.92	-0.14	4.04e-02	13.53	-49.66	-44.24	8.11	-17.69
2	11	323	23.08	-0.33	23.07	-0.33	0.12	102.00	-169.62	-85.01	17.38	-125.79
2	11	324	36.53	0.71	36.53	0.71	-0.34	151.49	-211.71	-50.58	-9.63	-180.44
2	11	369	32.56	0.16	32.56	0.16	0.21	404.31	-234.49	143.40	26.42	314.00
2	11	380	-18.87	-88.98	-20.21	-87.64	-9.61	-468.44	-3175.28	-3094.97	-548.75	-459.27
2	11	381	33.69	0.18	33.68	0.18	-0.21	413.89	-234.94	153.00	25.96	-318.14
2	11	385	3.69	-6.87	1.31	-4.49	-4.41	678.32	-592.93	-65.76	151.15	-626.31
2	11	394	-24.72	-43.74	-24.73	-43.73	0.42	1812.05	1419.72	1811.29	1420.48	17.27
2	11	408	-2.36	-42.32	-6.35	-38.33	11.98	2709.95	-176.95	1286.53	1246.48	-1443.31
2	11	420	2.95	-7.19	0.52	-4.76	4.33	678.66	-566.36	-55.15	167.45	612.48
2	11	422	-17.13	-43.27	-18.58	-41.82	-5.97	2420.34	771.51	1708.52	1483.33	816.69
2	11	423	15.25	-18.46	13.96	-17.18	-6.45	214.40	-2067.63	-213.90	-1639.32	891.05
2	11	429	-2.96	-41.24	-5.99	-38.20	-10.35	2669.80	-230.01	1252.73	1187.06	1449.53
2	11	436	-6.10	-59.22	-11.01	-54.31	15.39	145.87	-2546.30	-2043.03	-357.39	1049.57
2	11	437	13.40	-16.17	12.93	-15.70	-3.69	-425.63	-2356.65	-425.84	-2356.45	-20.01
2	11	459	-1.61	-28.44	-3.16	-26.88	-6.27	2393.75	933.65	945.03	2382.36	128.45
2	11	460	15.89	-19.05	14.22	-17.39	7.44	219.81	-2090.12	-212.39	-1657.91	-900.86
2	11	463	-17.94	-86.81	-19.96	-84.78	11.64	-458.87	-3158.75	-3069.14	-548.47	483.63
2	11	467	-22.47	-101.04	-22.49	-101.02	1.32	-632.68	-3485.58	-3485.50	-632.77	15.62
2	11	532	17.23	-16.18	16.50	-15.46	4.88	-414.88	-2305.61	-415.14	-2305.36	21.99
2	11	548	6.25	-4.87	1.14	0.24	-5.54	507.99	-494.50	-138.18	151.66	479.84
2	11	552	3.78	-0.79	3.75	-0.77	0.34	8.27	-407.02	-329.80	-68.94	161.57
2	11	556	27.54	-1.45	-0.36	26.45	5.52	939.72	-341.56	-184.76	782.91	-419.90
2	49	4	-0.95	-5.69	-1.68	-4.97	-1.71	960.27	-209.01	321.07	430.19	-582.09
2	49	5	22.19	8.10	21.58	8.71	-2.87	836.07	-107.07	439.70	289.30	-465.54
2	49	6	8.47	-6.72	2.36	-0.61	-7.45	608.45	-648.64	68.60	-108.80	-622.25
2	49	7	39.24	1.63	38.29	2.57	-5.88	271.90	-392.98	-165.59	44.51	-315.41
2	49	8	69.73	-0.28	69.33	0.12	-5.27	35.07	-113.75	-106.68	28.01	-31.65
2	49	9	97.06	2.11	96.93	2.24	-3.58	110.60	-13.44	4.88	92.28	-44.00
2	49	10	104.78	0.98	104.72	1.03	-2.44	60.37	-67.25	-59.21	52.33	-31.00
2	49	11	111.86	1.66	111.84	1.68	-1.29	92.32	-99.45	-79.44	72.31	58.62
2	49	12	123.21	1.97	123.21	1.97	-0.76	100.89	38.39	39.12	100.16	-6.73
2	49	13	118.09	1.26	118.09	1.26	-1.20e-02	79.57	-35.66	-33.92	77.84	-14.02
2	49	14	108.32	0.89	108.30	0.91	1.57	124.24	-58.40	-52.62	118.45	31.99
2	49	15	96.93	-0.48	96.79	-0.34	3.61	145.63	-90.76	-56.81	111.68	82.90
2	49	16	79.19	0.55	78.76	0.98	5.80	217.70	-48.45	-1.70	170.96	101.27
2	49	43	7.19	-9.59	-9.53	7.13	1.01	1277.31	-1023.06	527.97	-273.72	-1078.08
2	49	44	2.04	-10.97	1.21	-10.14	-3.18	421.67	-2492.62	-243.76	-1827.19	-1223.30

2	49	45	30.75	-14.31	30.58	-14.14	2.80	-329.56	-2292.10	-447.74	-2173.92	-466.87
2	49	46	58.21	-14.17	57.89	-13.85	4.84	-418.77	-2180.29	-424.37	-2174.68	-99.19
2	49	47	86.99	-15.80	86.83	-15.63	4.11	-571.01	-2190.97	-572.44	-2189.53	-48.17
2	49	48	89.67	-13.31	89.49	-13.12	4.32	-401.76	-2040.75	-402.23	-2040.28	-27.94
2	49	49	96.09	-12.79	95.74	-12.45	6.14	-413.86	-2011.13	-416.99	-2007.99	70.73
2	49	50	110.77	-13.88	110.60	-13.72	4.52	-531.51	-2047.18	-531.68	-2047.01	16.40
2	49	51	-2.14	-13.97	-12.03	-4.09	4.39	-62.45	-287.39	-233.99	-115.84	-95.71
2	49	52	94.24	-11.37	93.99	-11.12	5.10	-406.13	-1844.36	-408.37	-1842.11	56.81
2	49	53	83.62	-12.58	83.25	-12.21	5.99	-337.17	-1865.40	-357.89	-1844.68	176.77
2	49	54	72.65	-13.56	72.31	-13.22	5.38	-422.51	-1822.73	-485.05	-1760.19	289.25
2	49	77	8.59	-22.61	8.16	-22.17	3.64	1460.86	-1293.84	1113.46	-946.45	-914.48
2	49	78	19.52	-32.31	19.03	-31.82	5.01	977.32	-183.64	783.87	9.80	-432.62
2	49	79	34.27	-29.36	33.88	-28.97	4.96	269.42	-34.89	213.64	20.90	-117.75
2	49	80	44.67	-27.08	44.02	-26.43	6.80	94.37	-9.33	-5.20	90.24	20.29
2	49	81	54.57	-27.62	53.51	-26.56	9.27	94.13	-49.20	15.63	29.29	71.34
2	49	82	60.09	-27.61	59.02	-26.54	9.62	61.30	-24.01	-5.93	43.22	34.87
2	49	83	62.84	-26.13	61.44	-24.73	11.08	158.98	-94.67	-73.73	138.04	69.81
2	49	84	63.59	-27.36	61.85	-25.61	12.48	143.99	-32.39	25.46	86.14	82.81
2	49	85	57.09	-26.75	55.55	-25.21	11.26	257.13	26.55	76.77	206.91	95.17
2	49	86	47.87	-26.95	46.43	-25.51	10.30	388.19	33.70	185.74	236.15	175.44
2	49	87	33.74	-25.60	31.90	-23.76	10.28	941.08	35.67	364.03	612.72	435.30
2	49	109	2.17	-20.43	1.31	-19.57	-4.33	-445.20	-4632.52	-455.47	-4622.24	-207.18
2	49	110	-2.54	-30.10	-2.90	-29.75	-3.09	-2324.41	-5157.80	-2586.41	-4895.80	-820.79
2	49	118	4.09	-54.88	3.86	-54.65	-3.68	256.37	-629.35	-378.71	5.73	398.97
2	49	119	8.05	-49.88	6.15	-47.98	-10.32	702.28	-490.48	-143.78	355.57	541.60
2	49	120	6.39	-34.34	1.74	-29.68	-12.96	1292.49	132.83	703.85	721.47	579.76
2	49	121	9.23	-31.83	7.54	-30.14	-8.16	1320.84	1093.85	1094.06	1320.62	7.02
2	49	122	16.01	-29.54	15.36	-28.89	-5.40	1399.30	635.46	638.05	1396.70	-44.44
2	49	123	20.80	-27.22	20.78	-27.20	-0.85	1379.45	351.46	351.85	1379.06	20.08
2	49	124	24.93	-26.69	24.68	-26.44	3.58	1323.58	275.18	277.02	1321.74	43.92
2	49	125	28.99	-26.58	28.28	-25.87	6.23	1295.55	227.53	229.82	1293.26	49.40
2	49	126	31.59	-27.32	29.81	-25.54	10.07	1295.26	209.74	212.54	1292.47	55.00
2	49	127	31.45	-28.53	28.11	-25.19	13.75	1222.33	231.96	238.28	1216.02	78.81
2	49	128	29.08	-29.37	24.45	-24.74	15.79	1223.95	329.54	338.67	1214.82	89.88
2	49	130	19.78	-32.97	11.06	-24.25	19.59	1343.78	562.10	814.39	1091.49	365.46
2	49	153	2.66	-57.91	-22.26	-32.98	29.81	1745.22	933.37	1311.68	1366.90	-404.98
2	49	156	-4.73	-47.28	-5.51	-46.50	-5.71	3704.86	5.41	25.06	3685.20	268.94
2	49	157	5.07	-21.21	2.21	-18.35	-8.19	3770.93	352.81	356.45	3767.28	111.59
2	49	158	6.68e-02	-39.77	-4.97	-34.73	-13.24	2228.91	675.58	687.69	2216.79	136.63
2	49	159	4.97	-36.28	-1.01	-30.30	-14.52	1859.01	873.81	885.33	1847.49	105.91
2	49	160	2.45	-33.31	-0.43	-30.42	-9.73	1887.75	705.46	705.69	1887.53	16.41
2	49	161	0.62	-29.94	-1.66e-02	-29.31	-4.36	1878.19	502.99	503.06	1878.12	9.65
2	49	162	0.13	-28.38	0.12	-28.38	0.33	1831.29	379.82	380.03	1831.09	17.28
2	49	163	0.43	-28.21	5.41e-02	-27.84	3.26	1803.64	344.18	344.71	1803.10	28.02
2	49	164	2.24	-29.66	0.18	-27.59	7.86	1785.39	323.83	324.78	1784.44	37.25
2	49	165	5.14	-32.67	-0.28	-27.25	13.24	1746.37	359.25	360.93	1744.69	48.25
2	49	166	6.59	-35.31	-1.99	-26.73	16.90	1747.79	467.60	470.40	1745.00	59.75
2	49	167	7.29	-38.37	-5.16	-25.92	20.33	1731.93	723.53	728.72	1726.74	72.15
2	49	168	6.80	-42.41	-9.69	-25.92	23.23	1619.87	1100.39	1132.45	1587.81	125.00
2	49	194	5.70	-11.55	-2.79	-3.06	8.63	1209.23	474.14	1199.94	483.43	82.13
2	49	195	0.97	-32.67	-1.04	-30.65	-7.98	-210.15	-1650.49	-1611.13	-249.51	234.81
2	49	196	5.38	-39.73	-11.66	-22.69	-21.87	1856.88	1361.04	1377.47	1840.45	-88.75
2	49	197	-4.56	-39.11	-11.70	-31.97	-13.99	2062.91	882.40	893.38	2051.92	113.34
2	49	198	-13.28	-36.52	-17.14	-32.65	-8.65	2181.05	734.75	738.25	2177.55	71.03
2	49	199	-20.57	-32.73	-21.86	-31.45	-3.74	2166.51	513.77	513.78	2166.50	2.71
2	49	200	-25.05	-30.70	-25.08	-30.66	-0.44	2143.34	469.45	469.45	2143.34	-0.67
2	49	201	-25.18	-32.31	-27.19	-30.30	3.21	2119.44	420.94	421.03	2119.36	11.84
2	49	202	-20.58	-36.21	-26.71	-30.08	7.63	2114.10	398.97	399.41	2113.66	27.64
2	49	203	-15.81	-39.66	-25.24	-30.23	11.66	2082.81	443.56	444.17	2082.20	31.67
2	49	204	-11.65	-43.16	-24.67	-30.13	15.52	2079.32	538.11	539.54	2077.90	46.90
2	49	205	-7.11	-46.78	-24.87	-29.02	19.73	2108.09	755.26	755.43	2107.92	-15.16
2	49	206	-3.00	-50.40	-24.91	-28.49	23.63	2068.11	1144.36	1168.87	2043.60	-148.45
2	49	233	11.82	-17.42	-16.18	10.58	-5.89	679.60	-1119.82	-973.38	533.16	492.00
2	49	238	-5.62	-28.77	-12.00	-22.39	-10.34	1625.99	206.03	801.92	1030.10	700.75
2	49	239	-24.71	-37.97	-28.15	-34.53	-5.81	1502.81	603.97	733.38	1373.40	315.55
2	49	240	-33.25	-38.46	-38.02	-33.69	-1.45	1260.80	371.61	379.95	1252.47	85.71
2	49	241	-32.09	-48.33	-48.14	-32.27	1.72	1355.87	299.88	299.88	1355.86	2.55
2	49	242	-31.73	-53.07	-52.65	-32.14	2.94	1207.55	300.08	301.18	1206.45	-31.66
2	49	243	-30.69	-57.18	-55.75	-32.12	5.99	1180.38	273.70	274.00	1180.08	16.44
2	49	244	-28.89	-61.75	-59.39	-31.25	8.49	1323.22	230.66	230.78	1323.10	11.67
2	49	245	-28.82	-58.41	-54.80	-32.43	9.68	1180.64	300.58	301.37	1179.85	26.36
2	49	246	-25.95	-55.57	-48.71	-32.81	12.50	1165.21	326.89	327.65	1164.45	25.23
2	49	247	-20.17	-52.37	-40.89	-31.65	15.43	1094.35	434.26	434.67	1093.94	-16.43
2	49	248	-12.77	-52.23	-34.73	-30.27	19.61	1568.15	575.19	684.40	1458.94	-310.67
2	49	253	-20.99	-64.90	-22.21	-63.68	7.21	160.79	-1738.74	-1384.16	-193.79	-740.14
2	49	274	11.95	3.46	4.41	11.00	2.68	31.38	-259.24	2.38	-230.25	87.10
2	49	275	-2.24	-10.81	-8.97	-4.08	-3.52	316.35	-609.80	6.58	-300.03	436.96
2	49	276	-9.89	-29.58	-27.93	-11.54	-5.44	95.46	-1340.02	-191.14	-1053.41	573.83
2	49	277	-16.56	-54.81	-54.66	-16.71	-2.42	-207.31	-1443.66	-239.18	-1411.79	195.93
2	49	278	-18.22	-69.11	-69.08	-18.25	-1.27	-236.86	-1525.17	-238.41	-1523.62	44.69

2	49	279	-19.38	-67.52	-67.46	-19.44	1.63	-389.26	-1621.41	-389.26	-1621.41	-0.42
2	49	280	-17.35	-84.41	-84.27	-17.49	3.09	-227.84	-1518.68	-227.90	-1518.62	-9.03
2	49	281	-18.31	-89.96	-89.88	-18.39	2.33	-222.02	-1541.32	-223.10	-1540.24	-37.68
2	49	282	-19.48	-83.86	-83.49	-19.86	4.91	-376.75	-1597.67	-376.76	-1597.66	-3.65
2	49	284	-17.56	-80.78	-80.09	-18.26	6.58	-256.29	-1602.12	-256.56	-1601.84	-19.27
2	49	285	-15.76	-65.35	-64.19	-16.91	7.47	-256.73	-1689.87	-271.28	-1675.32	-143.66
2	49	286	-11.79	-34.99	-27.73	-19.05	10.76	-354.38	-1800.12	-416.25	-1738.25	-292.60
2	49	312	0.86	-0.99	0.74	-0.87	0.46	61.66	-216.88	-24.58	-130.65	128.77
2	49	313	-3.07	-9.11	-7.15	-5.03	-2.82	196.61	-149.61	102.06	-55.06	154.25
2	49	314	-0.49	-42.67	-41.39	-1.77	-7.22	99.32	-387.37	-48.71	-239.34	223.90
2	49	315	0.75	-64.82	-64.36	0.30	-5.43	-45.34	-109.43	-59.59	-95.18	26.65
2	49	316	-3.19	-76.70	-76.56	-3.34	-3.24	0.63	-59.41	-27.91	-30.86	-29.98
2	49	317	-1.08	-80.84	-80.79	-1.14	-2.14	42.75	-173.97	35.11	-166.33	-39.96
2	49	318	-1.06	-91.40	-91.38	-1.08	-1.20	-2.30	-46.72	-2.31	-46.70	-0.82
2	49	319	-1.83	-98.60	-98.59	-1.84	-0.83	16.04	-94.62	-18.43	-60.15	-51.25
2	49	320	-0.82	-97.22	-97.22	-0.83	0.52	69.13	-162.09	68.94	-161.90	-6.56
2	49	321	-1.44	-96.28	-96.26	-1.47	1.58	14.09	-58.96	12.27	-57.14	-11.39
2	49	322	-1.09	-87.15	-87.04	-1.20	3.04	11.22	-101.21	8.81	-98.80	-16.28
2	49	323	-0.28	-66.32	-65.99	-0.62	4.68	40.99	-170.18	-56.19	-73.00	-105.25
2	49	324	0.47	-34.41	-33.47	-0.47	5.65	52.74	-254.17	-33.85	-167.58	-138.13
2	49	369	45.07	0.56	44.45	1.18	5.20	232.26	43.68	133.26	142.69	94.17
2	49	380	-15.47	-90.91	-23.12	-83.27	22.76	-309.29	-2154.71	-2140.73	-323.27	-160.01
2	49	381	2.25	-10.72	-8.02	-0.44	5.27	290.81	-299.70	76.75	-85.64	-283.87
2	49	385	-12.08	-15.97	-15.08	-12.97	1.64	373.96	-473.44	-120.69	21.22	-417.71
2	49	394	7.22	-54.99	-16.30	-31.48	30.16	1395.35	860.35	1270.22	985.48	226.47
2	49	408	-5.26	-52.64	-22.07	-35.83	22.67	2002.69	21.14	949.09	1074.74	-988.78
2	49	420	25.61	0.23	18.04	7.81	11.61	488.16	-270.27	65.43	152.47	376.71
2	49	422	11.96	-43.33	-2.80	-28.57	24.46	1631.63	152.04	1092.41	691.26	712.09
2	49	423	33.53	-9.69	32.90	-9.05	5.21	106.86	-1384.58	-119.66	-1158.06	535.29
2	49	429	18.28	-27.40	14.66	-23.77	12.35	1719.65	-338.65	805.05	575.95	1022.76
2	49	436	32.74	-27.29	8.84	-3.38	29.39	11.41	-1811.37	-1487.88	-312.08	696.42
2	49	437	101.59	-11.62	101.37	-11.40	4.99	-376.40	-1911.49	-376.40	-1911.49	-1.45
2	49	459	25.10	-30.39	18.84	-24.12	17.56	1261.92	494.39	537.87	1218.44	177.43
2	49	460	-6.13	-27.93	-15.00	-19.06	10.71	110.50	-1513.35	-180.33	-1222.52	-622.64
2	49	463	26.82	-52.21	-4.03	-21.36	38.56	-331.35	-2341.56	-2210.12	-462.79	496.93
2	49	467	4.92	-80.54	-14.33	-61.28	35.71	-420.93	-2484.13	-2451.69	-453.37	256.66
2	49	532	-17.58	-90.42	-89.94	-18.05	5.88	-234.95	-1534.99	-234.96	-1534.98	-3.58
2	49	548	18.19	2.41	2.41	18.19	-3.60e-02	547.80	-775.18	-773.20	545.83	51.08
2	49	552	18.28	0.98	17.04	2.22	4.46	71.05	-269.20	-226.56	28.41	112.65
2	49	556	12.19	-7.70	-5.69	10.18	6.00	1049.58	-532.03	532.52	-14.97	-741.92
2	81	4	0.20	-4.65	-1.58	-2.87	-2.34	511.48	-185.54	153.34	172.60	-348.38
2	81	5	18.85	5.50	18.69	5.67	-1.47	580.59	-92.48	329.18	158.93	-325.59
2	81	6	3.71	-5.38	-1.48	-0.18	-4.50	471.27	-481.08	48.99	-58.80	-473.11
2	81	7	26.46	1.19	26.02	1.62	-3.30	214.84	-312.43	-129.24	31.66	-251.06
2	81	8	48.48	0.11	48.31	0.28	-2.87	31.21	-104.14	-97.03	24.10	-30.18
2	81	9	69.23	1.76	69.17	1.82	-2.09	60.43	-11.39	12.30	36.74	-33.77
2	81	10	72.79	0.70	72.76	0.73	-1.51	46.62	-63.25	-52.78	36.15	-32.26
2	81	11	76.63	1.06	76.62	1.07	-0.66	65.31	-91.13	-73.18	47.35	49.87
2	81	12	85.01	1.61	85.01	1.61	-0.57	52.85	31.52	43.33	41.03	-10.60
2	81	13	77.84	0.83	77.84	0.83	-0.16	52.20	-35.77	-32.12	48.55	-17.56
2	81	14	70.90	0.65	70.90	0.66	0.77	72.23	-50.24	-46.12	68.11	22.08
2	81	15	65.86	-0.14	65.80	-8.44e-02	1.93	108.96	-104.39	-62.74	67.32	84.56
2	81	16	58.99	0.77	58.81	0.95	3.17	159.75	-84.14	-14.03	89.64	110.38
2	81	43	7.36	-12.26	-11.99	7.09	2.27	1214.64	-677.48	479.54	57.62	-922.23
2	81	44	0.58	-10.21	-3.70e-02	-9.59	-2.51	353.38	-2209.05	-247.25	-1608.43	-1085.50
2	81	45	19.78	-12.91	19.43	-12.55	3.37	-305.94	-2131.20	-413.52	-2023.62	-429.86
2	81	46	39.82	-13.21	39.21	-12.60	5.65	-382.43	-2049.83	-388.24	-2044.03	-98.22
2	81	47	62.70	-14.18	62.46	-13.94	4.31	-537.80	-2084.38	-539.49	-2082.69	-51.04
2	81	48	61.60	-12.27	61.40	-12.07	3.76	-375.31	-1941.25	-375.80	-1940.76	-27.77
2	81	49	65.86	-12.22	65.52	-11.88	5.14	-379.35	-1919.38	-381.51	-1917.22	57.66
2	81	50	77.10	-12.94	77.01	-12.85	2.89	-506.54	-1964.35	-506.56	-1964.33	5.19
2	81	51	-1.47	-7.38	-6.25	-2.59	2.32	-26.20	-318.35	-253.60	-90.96	-121.35
2	81	52	61.10	-11.00	61.02	-10.92	2.39	-379.03	-1794.11	-380.38	-1792.76	43.72
2	81	53	55.57	-11.75	55.47	-11.65	2.62	-322.67	-1819.64	-341.84	-1800.48	168.30
2	81	54	53.93	-12.80	53.90	-12.77	1.40	-403.05	-1803.68	-467.45	-1739.28	293.36
2	81	77	4.54	-22.52	3.32	-21.31	5.60	1536.72	-904.40	1174.91	-542.58	-867.37
2	81	78	12.45	-28.83	11.67	-28.05	5.62	960.07	3.19	719.28	243.98	-415.24
2	81	79	23.17	-26.22	22.47	-25.52	5.85	383.33	119.53	257.57	245.29	-131.76
2	81	80	30.31	-23.93	29.40	-23.03	6.95	325.19	48.41	48.49	325.11	4.75
2	81	81	37.68	-24.32	36.58	-23.22	8.20	254.35	51.90	67.58	238.67	54.12
2	81	82	41.03	-24.06	40.18	-23.22	7.38	244.74	37.77	39.10	243.41	16.58
2	81	83	41.48	-22.69	40.57	-21.79	7.56	351.12	-28.88	-23.07	345.31	46.63
2	81	84	41.64	-23.81	40.70	-22.87	7.79	292.48	57.03	71.43	278.08	56.42
2	81	85	36.59	-23.33	35.98	-22.72	6.01	388.70	105.47	122.99	371.18	68.23
2	81	86	30.36	-23.20	30.00	-22.84	4.38	469.49	145.98	234.38	381.09	144.16
2	81	87	19.26	-21.87	18.90	-21.51	3.83	1043.80	144.29	432.74	755.34	419.83
2	81	109	1.76	-20.94	0.38	-19.56	-5.42	-67.14	-3960.06	-84.73	-3942.47	-261.10
2	81	110	-3.58	-32.94	-3.69	-32.83	-1.80	-2208.03	-4712.28	-2534.11	-4386.21	-842.76
2	81	118	2.09	-57.12	2.09	-57.12	-0.63	733.80	-356.41	-291.03	668.41	258.87
2	81	119	6.23	-46.22	5.20	-45.19	-7.29	1147.15	-168.26	-36.89	1015.77	394.41

2	81	120	1.56	-32.27	-1.20	-29.51	-9.26	1236.50	422.70	710.67	948.53	389.13
2	81	121	4.36	-26.70	3.86	-26.20	-3.90	1430.17	1033.55	1045.60	1418.11	-68.08
2	81	122	9.82	-24.17	9.72	-24.08	-1.77	1501.47	645.99	650.82	1496.65	-64.06
2	81	123	13.97	-22.24	13.93	-22.20	1.18	1487.29	385.17	385.20	1487.26	5.90
2	81	124	17.39	-21.79	17.00	-21.40	3.88	1439.12	303.11	303.86	1438.37	29.15
2	81	125	20.04	-21.60	19.36	-20.92	5.30	1416.82	257.63	258.54	1415.90	32.51
2	81	126	21.29	-21.95	20.02	-20.68	7.31	1417.60	237.94	238.96	1416.57	34.82
2	81	127	20.48	-22.64	18.50	-20.66	9.03	1372.86	272.39	275.09	1370.16	54.50
2	81	128	17.85	-22.98	15.40	-20.52	9.71	1377.83	374.80	378.59	1374.04	61.57
2	81	130	7.77	-25.07	3.63	-20.94	10.89	1475.38	710.14	904.35	1281.17	333.02
2	81	153	-3.00	-45.47	-19.59	-28.88	20.72	1734.58	833.20	1301.42	1266.36	-450.35
2	81	156	-3.01	-47.10	-3.18	-46.92	-2.78	3029.48	-43.70	-39.96	3025.74	107.13
2	81	157	2.81	-26.78	2.11	-26.08	-4.51	3139.04	260.26	260.70	3138.60	-35.56
2	81	158	-1.94	-33.32	-4.16	-31.10	-8.05	2004.27	687.18	688.73	2002.71	-45.21
2	81	159	1.44	-28.33	-1.53	-25.35	-8.93	1792.20	958.32	959.45	1791.07	30.68
2	81	160	0.87	-25.12	-0.30	-23.95	-5.38	1833.89	729.92	729.92	1833.89	0.26
2	81	161	0.81	-22.47	0.68	-22.34	-1.72	1827.69	499.12	499.13	1827.68	3.85
2	81	162	1.39	-21.40	1.29	-21.31	1.43	1790.87	377.31	377.40	1790.78	10.88
2	81	163	2.02	-21.31	1.49	-20.78	3.48	1768.20	335.40	335.63	1767.97	18.29
2	81	164	3.09	-22.30	1.38	-20.60	6.36	1756.15	318.04	318.46	1755.73	24.58
2	81	165	4.17	-24.19	0.48	-20.50	9.54	1736.56	358.64	359.40	1735.80	32.38
2	81	166	4.10	-25.96	-1.60	-20.26	11.79	1743.70	473.51	474.79	1742.41	40.35
2	81	167	2.93	-28.17	-5.34	-19.89	13.75	1735.44	742.00	744.60	1732.84	50.78
2	81	168	0.60	-31.90	-10.40	-20.89	15.38	1616.90	1146.07	1162.94	1600.03	87.53
2	81	194	3.41	-11.85	-1.74	-6.70	7.22	766.88	-208.95	750.86	-192.94	123.97
2	81	195	-0.42	-29.39	-0.95	-28.85	-3.90	-666.48	-1753.18	-1679.14	-740.52	273.82
2	81	196	1.66	-29.65	-8.07	-19.92	-14.49	1429.80	1279.18	1288.79	1420.20	-36.81
2	81	197	-3.58	-29.12	-7.48	-25.23	-9.18	1864.44	974.74	992.69	1846.48	125.11
2	81	198	-8.37	-26.16	-10.16	-24.37	-5.35	2002.78	735.63	739.86	1998.55	73.10
2	81	199	-12.04	-23.02	-12.38	-22.67	-1.92	2004.73	500.49	500.53	2004.69	7.77
2	81	200	-13.66	-21.85	-13.71	-21.80	0.65	1980.67	431.77	431.77	1980.67	-0.54
2	81	201	-13.28	-22.86	-14.76	-21.37	3.47	1963.53	385.36	385.40	1963.48	8.35
2	81	202	-10.65	-25.30	-14.79	-21.17	6.59	1963.79	364.48	364.74	1963.53	20.57
2	81	203	-7.88	-28.07	-14.48	-21.47	9.47	1947.07	411.95	412.21	1946.82	19.83
2	81	204	-5.41	-31.16	-15.05	-21.53	12.46	1953.38	514.12	514.76	1952.74	30.36
2	81	205	-3.19	-34.47	-16.82	-20.83	15.51	1984.14	738.77	739.80	1983.10	-35.92
2	81	206	-2.12	-38.10	-18.88	-21.33	17.95	1948.31	1099.39	1140.35	1907.35	-181.92
2	81	233	12.53	-14.50	-13.83	11.86	-4.20	482.55	-1227.71	-973.11	227.95	608.77
2	81	238	-4.69	-21.82	-8.28	-18.23	-6.97	1647.66	-32.59	783.43	831.64	839.78
2	81	239	-15.19	-27.63	-17.37	-25.45	-4.73	1419.93	516.95	724.45	1212.44	379.88
2	81	240	-21.11	-25.02	-21.96	-24.17	-1.62	1177.55	389.03	409.10	1157.48	124.19
2	81	241	-22.07	-27.76	-27.68	-22.15	0.68	1249.59	278.11	278.35	1249.35	15.31
2	81	242	-21.66	-29.51	-28.88	-22.29	2.13	1128.30	275.12	275.82	1127.60	-24.35
2	81	243	-19.43	-33.19	-30.54	-22.08	5.43	1109.83	245.59	246.00	1109.42	18.91
2	81	244	-17.57	-37.26	-33.70	-21.13	7.58	1225.12	201.54	201.63	1225.03	9.87
2	81	245	-16.87	-36.70	-31.00	-22.58	8.98	1115.26	274.52	274.90	1114.88	17.80
2	81	246	-13.56	-37.83	-28.51	-22.88	11.80	1124.47	314.58	314.83	1124.22	14.17
2	81	247	-8.56	-37.80	-24.27	-22.09	14.58	1074.60	427.67	430.07	1072.20	-39.30
2	81	248	-4.68	-39.29	-22.86	-21.11	17.29	1533.21	543.35	671.98	1404.58	-332.84
2	81	253	-16.84	-53.12	-16.88	-53.08	1.18	104.37	-1838.50	-1499.11	-235.02	-737.70
2	81	274	8.02	1.62	2.24	7.40	1.89	90.10	-146.83	-10.67	-46.06	117.14
2	81	275	-1.71	-10.39	-5.85	-6.25	-4.34	391.00	-577.85	-24.92	-161.93	479.55
2	81	276	-7.50	-22.07	-20.89	-8.68	-3.97	208.31	-1339.53	-155.81	-975.40	656.52
2	81	277	-11.73	-35.25	-35.05	-11.92	-2.14	-173.32	-1454.10	-243.74	-1383.68	291.94
2	81	278	-12.76	-40.87	-40.74	-12.89	-1.92	-235.25	-1486.28	-240.90	-1480.63	83.87
2	81	279	-13.64	-33.84	-33.82	-13.66	0.64	-390.63	-1565.21	-391.12	-1564.73	23.89
2	81	280	-12.07	-46.95	-46.80	-12.23	2.34	-230.75	-1455.46	-230.81	-1455.40	8.67
2	81	281	-12.62	-49.95	-49.85	-12.71	1.86	-229.81	-1472.71	-230.83	-1471.69	-35.58
2	81	282	-12.97	-43.53	-42.86	-13.64	4.48	-377.30	-1539.46	-377.31	-1539.46	1.81
2	81	284	-11.22	-48.35	-47.27	-12.31	6.27	-261.17	-1526.47	-261.72	-1525.92	-26.33
2	81	285	-9.81	-38.56	-36.72	-11.64	7.03	-244.81	-1619.50	-264.04	-1600.27	-161.45
2	81	286	-1.81	-20.99	-9.40	-13.40	9.38	-332.14	-1733.97	-410.97	-1655.14	-322.95
2	81	312	1.29	-1.78	0.80	-1.29	1.13	30.53	-172.45	-36.75	-105.17	95.55
2	81	313	4.47e-02	-3.92	-1.20	-2.67	-1.84	203.57	-136.81	104.07	-37.31	154.81
2	81	314	-1.04	-30.47	-29.97	-1.54	-3.80	189.55	-319.74	2.18	-132.37	245.59
2	81	315	-1.03e-02	-41.29	-41.07	-0.24	-3.06	40.73	-150.00	-63.53	-45.74	94.95
2	81	316	-2.19	-45.05	-44.96	-2.28	-1.95	-12.26	-37.92	-36.81	-13.37	5.22
2	81	317	-0.57	-42.37	-42.33	-0.61	-1.30	17.41	-100.17	16.60	-99.36	-9.72
2	81	318	-0.98	-50.91	-50.91	-0.99	-0.63	-1.62	-25.94	-9.65	-17.90	11.44
2	81	319	-1.40	-55.05	-55.04	-1.41	-0.60	15.49	-68.77	-24.71	-28.58	-42.09
2	81	320	-0.40	-51.53	-51.53	-0.41	0.16	51.92	-97.51	51.81	-97.40	3.94
2	81	321	-1.13	-55.85	-55.83	-1.15	0.99	8.94	-27.59	8.81	-27.46	-2.15
2	81	322	-0.87	-51.20	-51.14	-0.92	1.60	-2.10	-57.70	-7.71	-52.09	-16.74
2	81	323	-0.50	-36.96	-36.78	-0.67	2.55	58.70	-147.28	-53.32	-35.27	-102.59
2	81	324	0.47	-12.65	-12.00	-0.19	2.86	80.23	-215.40	-42.37	-92.80	-145.65
2	81	369	36.98	0.66	36.76	0.88	2.80	245.76	-49.39	109.06	87.31	147.17
2	81	380	-16.84	-74.77	-19.63	-71.99	12.38	-338.77	-2244.06	-2219.63	-363.20	-214.35
2	81	381	5.19	-1.78	3.79	-0.38	2.79	324.71	-261.78	101.21	-38.29	-284.83
2	81	385	-7.35	-10.26	-7.90	-9.72	1.13	470.42	-477.33	-97.10	90.19	-464.53
2	81	394	-2.90	-43.32	-17.08	-29.14	19.29	1353.26	919.34	1280.09	992.51	162.47

2	81	408	-3.80	-41.15	-16.54	-28.42	17.70	2022.16	11.88	976.39	1057.66	-1004.32
2	81	420	15.46	-2.34	10.04	3.08	8.19	483.39	-307.65	27.93	147.81	390.95
2	81	422	0.30	-34.72	-6.90	-27.51	14.16	1669.88	284.81	1129.41	825.28	675.63
2	81	423	24.47	-10.26	24.38	-10.18	1.72	116.30	-1405.32	-138.09	-1150.93	567.78
2	81	429	8.26	-25.48	7.22	-24.44	5.83	1769.78	-300.41	818.64	650.72	1031.68
2	81	436	16.49	-32.50	1.40	-17.40	22.62	58.27	-1796.16	-1451.72	-286.16	721.18
2	81	437	66.12	-11.18	66.05	-11.10	2.42	-354.03	-1834.61	-354.10	-1834.54	-10.27
2	81	459	13.41	-23.18	10.41	-20.17	10.04	1413.35	562.09	588.33	1387.10	147.15
2	81	460	-0.71	-20.09	-6.90	-13.90	9.04	193.62	-1512.62	-151.09	-1167.91	-685.08
2	81	463	8.24	-53.02	-8.59	-36.19	27.35	-324.49	-2295.47	-2188.66	-431.30	446.22
2	81	467	-6.01	-72.59	-15.27	-63.34	23.04	-442.78	-2497.85	-2483.48	-457.16	171.29
2	81	532	-11.55	-53.07	-52.24	-12.38	5.81	-234.31	-1470.45	-234.33	-1470.43	4.77
2	81	548	12.60	1.61	1.67	12.53	-0.84	340.89	-485.22	-453.70	309.37	158.26
2	81	552	10.68	0.49	10.12	1.05	2.34	37.52	-252.31	-208.80	-5.99	103.52
2	81	556	16.90	-4.70	-2.98	15.18	5.84	824.02	-298.49	222.14	303.39	-559.78
2	88	4	2.37	-4.41	-0.27	-1.77	-3.31	-20.31	-176.79	-60.27	-136.83	-68.24
2	88	5	15.74	1.57	15.73	1.58	0.38	247.43	-92.76	152.25	2.42	-152.70
2	88	6	-0.66	-15.71	-15.67	-0.70	-0.75	288.78	-251.83	36.60	0.34	-269.70
2	88	7	-0.27	-3.41	-3.41	-0.27	5.36e-02	137.85	-195.14	-71.91	14.62	-160.78
2	88	8	5.87	-0.23	5.86	-0.23	0.21	25.61	-77.33	-69.40	17.67	-27.46
2	88	9	16.43	0.62	16.43	0.62	-6.11e-02	28.86	-36.17	19.98	-27.29	-22.33
2	88	10	13.94	-0.27	13.94	-0.27	-0.16	29.45	-43.91	-29.22	14.76	-29.36
2	88	11	13.98	-0.25	13.97	-0.25	0.20	31.60	-67.85	-51.15	14.90	37.17
2	88	12	18.87	0.59	18.87	0.59	-9.08e-02	50.25	-30.80	47.18	-27.72	-15.48
2	88	13	10.17	-0.22	10.16	-0.21	-0.24	19.76	-23.59	-15.64	11.81	-16.77
2	88	14	7.65	-0.11	7.65	-0.11	-3.71e-02	9.69	-32.72	-29.11	6.08	11.83
2	88	15	12.56	-0.22	12.56	-0.22	-8.19e-02	71.55	-118.96	-60.13	12.73	88.01
2	88	16	22.04	0.48	22.03	0.48	0.21	108.19	-145.87	-29.83	-7.85	126.55
2	88	43	3.76	-12.53	-11.89	3.12	3.17	996.26	-392.14	284.09	320.04	-693.97
2	88	44	-7.99	-10.34	-8.43	-9.90	-0.91	257.02	-1744.15	-212.37	-1274.76	-847.94
2	88	45	-4.15	-13.35	-5.23	-12.27	2.97	-257.08	-1825.90	-343.39	-1739.59	-357.71
2	88	46	3.84	-14.04	2.27	-12.47	5.07	-311.57	-1782.62	-317.34	-1776.84	-91.99
2	88	47	17.19	-13.47	16.93	-13.21	2.81	-466.03	-1843.12	-467.89	-1841.25	-50.67
2	88	48	10.09	-11.97	10.01	-11.89	1.31	-309.53	-1711.80	-309.94	-1711.39	-24.00
2	88	49	11.21	-12.31	11.05	-12.16	1.90	-308.27	-1705.92	-309.35	-1704.84	38.85
2	88	50	19.31	-12.91	19.27	-12.87	-1.13	-447.29	-1769.37	-447.33	-1769.33	-7.62
2	88	51	3.10	-0.50	3.08	-0.48	-0.26	7.55	-300.26	-243.84	-48.87	-119.10
2	88	52	5.54	-12.06	5.11	-11.63	-2.71	-324.68	-1678.11	-325.27	-1677.53	28.13
2	88	53	8.09	-12.23	7.61	-11.76	-3.06	-287.76	-1731.69	-305.55	-1713.89	159.29
2	88	54	21.50	-13.89	20.85	-13.24	-4.74	-370.55	-1777.16	-440.44	-1707.26	305.66
2	88	77	0.10	-26.91	-3.80	-23.00	9.50	1596.06	-201.64	1192.96	201.46	-749.78
2	88	78	-0.82	-28.32	-2.35	-26.79	6.31	1055.49	301.59	642.87	714.20	-375.26
2	88	79	1.92	-25.72	0.81	-24.61	5.43	736.41	289.20	339.28	686.33	-141.02
2	88	80	2.96	-22.85	2.11	-22.00	4.59	767.15	153.14	153.41	766.89	-12.67
2	88	81	6.02	-22.70	5.55	-22.23	3.64	657.40	165.30	167.12	655.57	29.92
2	88	82	6.46	-22.19	6.44	-22.16	0.92	648.64	132.29	132.49	648.45	-10.09
2	88	83	4.45	-21.12	4.43	-21.09	-0.79	750.38	79.87	79.99	750.25	9.22
2	88	84	4.84	-22.69	4.70	-22.55	-1.93	668.06	163.87	164.11	667.82	10.95
2	88	85	3.55	-23.57	2.79	-22.80	-4.48	721.89	214.78	215.54	721.14	19.60
2	88	86	3.80	-24.35	2.06	-22.61	-6.78	721.26	313.31	332.57	702.00	86.54
2	88	87	0.42	-24.69	-2.64	-21.63	-8.21	1262.88	354.13	557.09	1059.92	378.48
2	88	109	2.82	-15.13	-0.34	-11.97	-6.84	346.00	-2496.33	313.30	-2463.63	-303.11
2	88	110	-5.30	-28.59	-5.34	-28.55	0.92	-1719.22	-3520.44	-2190.39	-3049.27	-791.63
2	88	118	-0.12	-55.36	-0.17	-55.31	1.65	1706.94	-168.98	-168.40	1706.36	32.99
2	88	119	3.71	-41.69	3.70	-41.68	-0.62	2006.35	103.24	108.06	2001.52	95.71
2	88	120	-5.07	-32.94	-5.10	-32.91	0.92	1411.32	714.93	721.25	1405.00	66.05
2	88	121	-2.11	-27.15	-2.81	-26.46	4.11	1685.22	939.01	987.43	1636.80	-183.82
2	88	122	-0.30	-24.01	-0.72	-23.58	3.14	1707.62	671.56	679.70	1699.48	-91.48
2	88	123	1.31	-21.83	1.03	-21.55	2.52	1696.15	443.55	443.66	1696.04	-11.82
2	88	124	2.65	-20.86	2.50	-20.71	1.87	1659.12	354.80	354.86	1659.06	8.97
2	88	125	3.14	-20.36	3.11	-20.32	0.89	1645.95	312.78	312.82	1645.91	7.33
2	88	126	2.75	-20.20	2.75	-20.20	-1.59e-02	1650.87	291.40	291.40	1650.87	2.43
2	88	127	1.85	-20.68	1.81	-20.64	-1.04	1644.87	340.07	340.20	1644.74	12.98
2	88	128	0.26	-21.16	-1.76e-02	-20.88	-2.42	1658.59	447.34	447.45	1658.48	11.71
2	88	130	-6.45	-23.14	-7.98	-21.60	-4.82	1706.79	937.56	1041.63	1602.72	263.11
2	88	153	-12.45	-30.89	-13.83	-29.51	4.85	1723.87	587.85	1235.73	1075.98	-562.36
2	88	156	-9.99e-02	-60.61	-0.11	-60.60	-0.62	2086.11	-150.47	-140.15	2075.78	-151.60
2	88	157	2.59	-44.33	2.32	-44.05	3.60	2328.12	87.07	141.22	2273.98	-344.10
2	88	158	-3.64	-34.33	-4.46	-33.51	4.94	1754.26	581.54	706.99	1628.81	-362.46
2	88	159	-2.77	-25.78	-2.85	-25.70	1.37	1703.04	1063.53	1074.53	1692.04	-83.17
2	88	160	-0.50	-23.15	-0.55	-23.10	1.04	1762.28	767.72	768.17	1761.82	-21.22
2	88	161	1.12	-21.28	1.08	-21.25	0.89	1766.45	496.62	496.62	1766.45	-2.29
2	88	162	2.17	-20.25	2.15	-20.22	0.77	1744.53	375.15	375.15	1744.52	2.57
2	88	163	2.61	-19.78	2.60	-19.76	0.65	1730.08	325.46	325.47	1730.07	3.65
2	88	164	2.31	-19.73	2.30	-19.72	0.54	1727.83	311.57	311.58	1727.82	3.73
2	88	165	1.09	-19.98	1.08	-19.97	0.45	1732.17	357.57	357.58	1732.16	3.77
2	88	166	-1.17	-20.05	-1.17	-20.05	0.39	1747.48	478.56	478.57	1747.46	3.76
2	88	167	-5.22	-20.01	-5.23	-20.00	0.36	1748.92	758.85	758.87	1748.90	4.21
2	88	168	-10.66	-21.41	-10.67	-21.40	0.33	1623.21	1191.81	1191.90	1623.13	5.99
2	88	194	0.33	-27.53	-0.99	-26.21	5.91	289.47	-1763.50	270.00	-1744.03	198.98

2	88	195	0.23	-46.12	-1.93e-02	-45.87	3.39	-1715.84	-2532.56	-2096.78	-2151.61	407.44
2	88	196	-4.13	-23.25	-4.33	-23.05	-1.94	1293.74	655.67	1276.47	672.93	103.53
2	88	197	-0.53	-25.20	-0.60	-25.14	-1.25	1520.45	1056.51	1128.70	1448.26	168.17
2	88	198	1.31	-23.29	1.28	-23.26	-0.88	1667.19	719.14	727.43	1658.89	88.28
2	88	199	2.75	-21.39	2.73	-21.38	-0.59	1693.87	459.51	459.80	1693.59	18.86
2	88	200	3.95	-20.52	3.95	-20.52	-0.21	1668.49	360.55	360.55	1668.49	0.62
2	88	201	4.33	-20.14	4.32	-20.13	0.51	1660.78	316.15	316.15	1660.78	2.36
2	88	202	3.82	-20.11	3.76	-20.05	1.20	1669.60	295.14	295.17	1669.56	7.04
2	88	203	2.75	-20.72	2.57	-20.54	2.06	1668.22	344.81	344.81	1668.21	-3.49
2	88	204	1.02	-21.33	0.51	-20.83	3.33	1685.76	452.92	452.93	1685.76	-2.39
2	88	205	-1.95	-21.84	-3.18	-20.61	4.79	1723.52	674.01	680.13	1717.40	-79.93
2	88	206	-5.93	-23.60	-7.95	-21.58	5.63	1729.28	959.34	1053.13	1635.48	-251.83
2	88	233	10.58	-11.38	-11.32	10.51	-1.20	513.29	-1351.70	-811.02	-27.40	846.19
2	88	238	0.45	-22.18	0.43	-22.16	-0.70	1653.43	-581.23	671.70	400.50	1109.07
2	88	239	1.71	-25.47	1.35	-25.11	-3.09	1193.40	201.52	652.07	742.84	493.86
2	88	240	4.67	-24.33	4.39	-24.05	-2.83	811.93	299.16	377.87	733.22	184.83
2	88	241	5.56	-21.80	5.36	-21.60	-2.32	817.64	175.01	176.96	815.69	35.33
2	88	242	8.48	-21.90	8.39	-21.81	-1.64	711.95	177.92	178.32	711.55	-14.68
2	88	243	8.93	-21.79	8.91	-21.77	0.78	704.51	141.67	142.55	703.63	22.20
2	88	244	6.68	-21.00	6.49	-20.80	2.32	801.78	91.26	91.27	801.77	2.84
2	88	245	6.59	-22.74	6.21	-22.36	3.32	722.44	173.83	173.83	722.44	1.04
2	88	246	5.01	-23.88	3.82	-22.69	5.74	774.30	225.53	225.65	774.17	-8.32
2	88	247	4.91	-24.85	2.61	-22.56	7.94	767.95	331.85	345.35	754.45	-75.54
2	88	248	1.27	-25.39	-2.50	-21.62	9.29	1296.84	384.80	571.96	1109.68	-368.33
2	88	253	-5.57	-41.05	-8.24	-38.37	-9.37	87.52	-1835.40	-1488.92	-258.96	-739.06
2	88	274	4.27	0.15	0.15	4.27	-1.13e-02	244.58	-113.57	-29.85	160.86	151.58
2	88	275	-0.34	-7.43	-3.10	-4.68	-3.46	477.53	-488.40	-6.90	-3.98	482.96
2	88	276	-4.34	-10.00	-4.57	-9.77	-1.12	213.91	-1366.61	-159.56	-993.14	671.41
2	88	277	-7.67e-02	-11.97	-0.37	-11.68	-1.84	-191.77	-1649.26	-296.64	-1544.40	376.63
2	88	278	7.40	-12.72	6.76	-12.08	-3.53	-288.37	-1679.40	-298.71	-1669.06	119.48
2	88	279	21.66	-13.01	21.59	-12.94	-1.60	-448.42	-1749.43	-450.69	-1747.15	54.37
2	88	280	14.52	-11.54	14.51	-11.54	-0.29	-294.87	-1633.63	-295.62	-1632.88	31.68
2	88	281	15.01	-11.90	14.98	-11.87	-0.82	-297.80	-1644.44	-298.67	-1643.57	-34.13
2	88	282	22.64	-12.81	22.52	-12.69	1.99	-438.10	-1719.09	-438.18	-1719.01	10.10
2	88	284	7.19	-12.17	6.54	-11.52	3.50	-320.76	-1656.43	-321.25	-1655.94	-25.55
2	88	285	8.85	-12.34	8.14	-11.63	3.82	-285.74	-1722.32	-303.23	-1704.83	-157.53
2	88	286	21.78	-14.01	20.96	-13.19	5.37	-371.11	-1780.22	-441.38	-1709.94	-306.73
2	88	312	0.64	-1.11	-0.39	-7.98e-02	0.86	-3.62	-104.21	-41.37	-66.46	48.70
2	88	313	4.91	0.40	4.91	0.40	0.11	195.19	-97.11	113.84	-15.76	131.00
2	88	314	-0.21	-7.43	-7.40	-0.25	0.51	258.94	-207.59	52.29	-0.95	231.74
2	88	315	1.20	-0.12	1.20	-0.12	9.66e-03	139.34	-186.68	-61.43	14.09	158.58
2	88	316	11.08	-0.19	11.08	-0.19	-0.20	25.84	-77.36	-62.20	10.67	36.54
2	88	317	21.84	0.60	21.84	0.60	6.48e-02	23.65	-41.22	8.58	-26.15	27.39
2	88	318	18.94	-0.22	18.94	-0.22	0.11	34.00	-49.46	-36.31	20.84	30.41
2	88	319	18.67	-0.23	18.67	-0.23	-0.17	29.21	-64.88	-49.46	13.79	-34.83
2	88	320	22.47	0.59	22.47	0.59	8.37e-02	44.73	-30.24	40.62	-26.13	17.08
2	88	321	12.83	-0.21	12.83	-0.20	0.22	18.60	-21.44	-14.12	11.28	15.48
2	88	322	9.31	-9.62e-02	9.31	-9.61e-02	3.59e-02	9.24	-33.31	-29.86	5.80	-11.61
2	88	323	13.32	-0.23	13.32	-0.22	9.72e-02	71.45	-118.48	-59.56	12.53	-87.86
2	88	324	22.22	0.48	22.21	0.48	-0.23	108.04	-147.43	-32.14	-7.26	-127.13
2	88	369	19.94	7.43e-02	19.94	7.57e-02	0.16	283.28	-165.04	99.38	18.86	220.51
2	88	380	-13.97	-59.59	-14.81	-58.75	-6.14	-340.70	-2276.22	-2220.02	-396.90	-324.98
2	88	381	20.64	8.84e-02	20.64	8.97e-02	-0.16	289.96	-165.34	106.08	18.54	-223.40
2	88	385	2.27	-5.17	0.73	-3.64	-3.01	479.20	-413.41	-46.66	112.45	-439.16
2	88	394	-17.66	-30.63	-17.67	-30.62	0.32	1290.92	1005.63	1290.41	1006.14	11.94
2	88	408	-2.65	-30.06	-5.24	-27.47	8.02	1925.45	-125.94	917.26	882.25	-1025.55
2	88	420	1.77	-5.40	0.20	-3.82	2.97	479.43	-394.98	-39.26	123.70	429.55
2	88	422	-12.50	-30.42	-13.46	-29.46	-4.04	1720.16	548.29	1217.59	1050.85	579.97
2	88	423	8.65	-13.24	7.87	-12.46	-4.07	150.04	-1463.44	-151.75	-1161.64	629.17
2	88	429	-3.03	-29.31	-4.96	-27.38	-6.85	1897.48	-162.65	893.80	841.03	1029.73
2	88	436	-4.95	-39.41	-8.10	-36.26	9.93	92.63	-1820.00	-1467.24	-260.14	741.80
2	88	437	6.87	-12.00	6.56	-11.70	-2.37	-300.25	-1665.67	-300.45	-1665.46	-16.68
2	88	459	-2.60	-21.50	-3.47	-20.63	-3.95	1694.06	664.37	672.20	1686.23	89.45
2	88	460	9.03	-13.65	7.98	-12.60	4.76	153.86	-1479.16	-150.68	-1174.63	-636.06
2	88	463	-13.31	-58.11	-14.64	-56.79	7.60	-334.15	-2264.61	-2202.07	-396.69	341.79
2	88	467	-16.41	-67.70	-16.43	-67.68	0.94	-457.42	-2499.65	-2499.60	-457.48	10.80
2	88	532	9.31	-12.02	8.81	-11.53	3.21	-292.83	-1631.04	-293.07	-1630.80	17.96
2	88	548	5.09	-2.78	0.83	1.48	-3.92	358.67	-349.50	-97.57	106.74	339.03
2	88	552	3.02	-0.47	2.99	-0.44	0.29	4.85	-279.11	-225.61	-48.66	111.05
2	88	556	18.99	-1.04	-0.28	18.24	3.81	659.18	-239.88	-130.07	549.37	-294.40
2	95	4	2.59	-4.84	-0.31	-1.94	-3.63	-22.62	-189.47	-65.71	-146.37	-73.03
2	95	5	17.05	1.69	17.04	1.70	0.44	266.50	-99.96	164.21	2.33	-164.38
2	95	6	-0.71	-16.27	-16.23	-0.75	-0.79	312.08	-270.97	40.90	0.21	-290.82
2	95	7	-0.29	-2.98	-2.98	-0.29	5.84e-02	148.58	-210.24	-77.30	15.65	-173.29
2	95	8	7.43	-0.25	7.43	-0.25	0.22	27.61	-83.50	-74.63	18.74	-30.11
2	95	9	19.40	0.68	19.40	0.68	-5.65e-02	28.04	-38.42	18.30	-28.69	-23.50
2	95	10	16.86	-0.30	16.86	-0.30	-0.18	31.03	-47.05	-31.59	15.56	-31.12
2	95	11	17.01	-0.27	17.00	-0.27	0.21	33.55	-73.65	-55.82	15.73	39.92
2	95	12	22.38	0.64	22.38	0.64	-8.01e-02	50.71	-32.39	47.44	-29.12	-16.16
2	95	13	12.69	-0.24	12.68	-0.23	-0.26	20.23	-24.40	-16.64	12.47	-16.92

2	95	14	9.92	-0.12	9.92	-0.12	-3.38e-02	10.59	-36.08	-31.92	6.43	13.30
2	95	15	15.49	-0.24	15.49	-0.24	-7.91e-02	76.77	-127.74	-64.34	13.37	94.59
2	95	16	26.16	0.52	26.16	0.53	0.23	114.54	-157.15	-34.60	-8.01	135.19
2	95	43	4.10	-13.58	-12.84	3.36	3.54	1068.32	-422.94	302.99	342.39	-745.37
2	95	44	-8.70	-10.37	-8.96	-10.11	-0.61	280.24	-1870.01	-225.88	-1363.90	-912.21
2	95	45	-3.59	-14.09	-5.09	-12.58	3.68	-273.07	-1952.97	-366.58	-1859.46	-385.16
2	95	46	5.54	-14.72	3.65	-12.83	5.89	-332.44	-1904.61	-338.72	-1898.33	-99.20
2	95	47	20.37	-13.97	20.03	-13.62	3.41	-500.65	-1970.20	-502.69	-1968.16	-54.73
2	95	48	12.86	-12.32	12.75	-12.21	1.66	-331.69	-1828.03	-332.11	-1827.61	-25.01
2	95	49	14.21	-12.65	14.04	-12.49	2.13	-330.06	-1820.90	-331.27	-1819.69	42.52
2	95	50	22.99	-13.29	22.95	-13.25	-1.20	-480.09	-1888.46	-480.13	-1888.42	-7.09
2	95	51	3.01	-0.61	3.00	-0.59	-0.24	8.93	-327.32	-266.25	-52.14	-129.63
2	95	52	7.76	-12.38	7.25	-11.87	-3.17	-345.90	-1785.78	-346.61	-1785.07	31.86
2	95	53	10.78	-12.62	10.18	-12.02	-3.69	-306.19	-1841.17	-325.68	-1821.69	171.84
2	95	54	25.44	-14.43	24.65	-13.63	-5.56	-395.06	-1889.87	-470.58	-1814.36	327.37
2	95	77	0.64	-28.64	-3.94	-24.06	10.63	1708.49	-216.43	1278.56	213.50	-801.71
2	95	78	-2.50e-02	-29.72	-2.01	-27.74	7.41	1131.56	324.48	689.78	766.26	-401.73
2	95	79	3.27	-26.65	1.81	-25.19	6.46	791.75	310.49	363.87	738.36	-151.14
2	95	80	4.66	-23.37	3.55	-22.26	5.46	825.12	164.39	164.66	824.85	-13.27
2	95	81	8.12	-23.08	7.53	-22.48	4.28	708.03	176.99	179.06	705.97	33.05
2	95	82	8.65	-22.40	8.61	-22.36	1.14	698.29	141.72	141.88	698.14	-9.30
2	95	83	6.49	-21.26	6.47	-21.23	-0.86	806.53	85.59	85.79	806.33	12.09
2	95	84	6.92	-23.03	6.74	-22.85	-2.32	717.99	175.13	175.53	717.59	14.67
2	95	85	5.54	-24.09	4.58	-23.13	-5.25	774.42	229.20	230.24	773.38	23.77
2	95	86	5.82	-25.08	3.64	-22.89	-7.92	772.93	332.13	353.42	751.64	94.51
2	95	87	1.92	-25.66	-1.81	-21.93	-9.43	1345.03	374.04	589.89	1129.19	403.72
2	95	109	2.91	-16.78	-0.38	-13.49	-7.35	370.67	-2679.75	335.74	-2644.83	-324.53
2	95	110	-5.70	-30.80	-5.74	-30.75	1.09	-1846.50	-3776.14	-2349.59	-3273.06	-847.16
2	95	118	-0.13	-60.08	-0.18	-60.03	1.78	1821.30	-180.93	-180.26	1820.63	36.62
2	95	119	3.98	-45.09	3.98	-45.09	-0.61	2142.81	109.28	114.78	2137.31	105.64
2	95	120	-5.30	-34.93	-5.34	-34.88	1.18	1507.12	763.32	770.75	1499.69	74.01
2	95	121	-1.76	-28.31	-2.62	-27.45	4.70	1800.40	1005.19	1056.39	1749.20	-195.17
2	95	122	0.48	-24.60	-6.83e-02	-24.05	3.67	1825.62	718.45	727.08	1817.00	-97.33
2	95	123	2.47	-22.04	2.11	-21.68	2.95	1813.54	474.28	474.39	1813.43	-12.24
2	95	124	4.11	-20.89	3.92	-20.69	2.18	1773.64	379.18	379.25	1773.56	10.23
2	95	125	4.75	-20.29	4.70	-20.25	1.03	1758.82	334.10	334.15	1758.77	8.77
2	95	126	4.38	-20.12	4.38	-20.12	-3.72e-02	1762.92	311.09	311.10	1762.91	3.90
2	95	127	3.39	-20.68	3.32	-20.62	-1.26	1754.78	362.51	362.68	1754.60	15.44
2	95	128	1.59	-21.27	1.22	-20.90	-2.86	1767.46	475.84	475.99	1767.31	14.04
2	95	130	-6.02	-23.90	-7.92	-22.00	-5.50	1814.36	992.74	1102.93	1704.18	279.99
2	95	153	-12.97	-33.01	-14.46	-31.51	5.27	1829.49	624.92	1309.40	1145.01	-596.65
2	95	156	-0.11	-65.78	-0.11	-65.77	-0.66	2231.12	-160.04	-149.27	2220.35	-160.17
2	95	157	2.77	-48.02	2.48	-47.72	3.86	2487.98	93.98	150.60	2431.36	-363.79
2	95	158	-3.76	-36.48	-4.65	-35.59	5.32	1874.18	622.72	754.58	1742.31	-384.23
2	95	159	-2.60	-26.75	-2.70	-26.66	1.49	1819.43	1136.29	1147.71	1808.01	-87.61
2	95	160	0.12	-23.57	6.17e-02	-23.52	1.13	1882.54	820.33	820.79	1882.08	-22.17
2	95	161	2.13	-21.36	2.09	-21.32	0.95	1886.82	530.60	530.61	1886.81	-2.20
2	95	162	3.48	-20.15	3.45	-20.12	0.81	1863.01	400.69	400.70	1863.01	2.91
2	95	163	4.09	-19.61	4.07	-19.60	0.68	1846.86	347.48	347.49	1846.84	4.04
2	95	164	3.82	-19.56	3.81	-19.55	0.56	1843.31	332.47	332.48	1843.30	4.10
2	95	165	2.46	-19.85	2.45	-19.84	0.46	1846.22	380.95	380.97	1846.21	4.13
2	95	166	-0.12	-19.95	-0.13	-19.95	0.40	1860.66	508.66	508.67	1860.65	4.11
2	95	167	-4.76	-20.00	-4.77	-20.00	0.36	1860.26	804.47	804.49	1860.24	4.59
2	95	168	-10.93	-21.84	-10.94	-21.82	0.33	1725.43	1261.81	1261.90	1725.34	6.50
2	95	194	0.30	-30.47	-1.06	-29.12	6.31	308.23	-1871.04	287.22	-1850.03	212.94
2	95	195	0.23	-49.93	-2.90e-02	-49.67	3.62	-1823.30	-2695.71	-2234.59	-2284.42	435.49
2	95	196	-4.27	-24.59	-4.52	-24.35	-2.22	1379.42	703.54	1361.02	721.94	109.98
2	95	197	-0.12	-26.12	-0.22	-26.02	-1.61	1625.36	1128.28	1205.23	1548.41	179.80
2	95	198	2.19	-23.74	2.13	-23.68	-1.23	1782.06	768.25	777.16	1773.15	94.62
2	95	199	4.04	-21.51	4.01	-21.48	-0.89	1810.50	490.95	491.26	1810.19	20.26
2	95	200	5.55	-20.48	5.54	-20.47	-0.41	1783.15	385.12	385.12	1783.15	0.41
2	95	201	6.09	-20.04	6.09	-20.03	0.44	1774.33	337.58	337.59	1774.33	1.91
2	95	202	5.60	-20.02	5.53	-19.95	1.27	1782.73	315.03	315.06	1782.70	6.52
2	95	203	4.42	-20.72	4.20	-20.51	2.31	1779.68	367.56	367.58	1779.66	-5.02
2	95	204	2.46	-21.46	1.85	-20.84	3.79	1796.57	481.82	481.84	1796.56	-3.84
2	95	205	-0.90	-22.17	-2.40	-20.67	5.45	1834.79	714.83	721.45	1828.17	-85.86
2	95	206	-5.43	-24.40	-7.86	-21.97	6.33	1838.58	1016.24	1115.32	1739.49	-267.71
2	95	233	10.84	-12.15	-12.07	10.76	-1.39	545.30	-1443.62	-868.57	-29.75	901.69
2	95	238	0.69	-23.22	0.63	-23.16	-1.21	1766.01	-617.76	718.13	430.11	1183.15
2	95	239	2.62	-26.47	2.07	-25.92	-3.97	1278.28	217.72	697.85	798.15	527.90
2	95	240	6.23	-24.99	5.79	-24.55	-3.68	872.96	320.64	404.47	789.14	198.17
2	95	241	7.52	-22.12	7.20	-21.80	-3.06	879.44	187.59	189.68	877.35	37.99
2	95	242	10.88	-22.16	10.74	-22.02	-2.15	766.74	190.44	190.90	766.28	-16.28
2	95	243	11.44	-21.95	11.42	-21.94	0.67	758.45	151.74	152.59	757.60	22.67
2	95	244	9.04	-21.11	8.83	-20.91	2.48	861.81	97.89	97.89	861.81	1.19
2	95	245	8.95	-23.10	8.50	-22.64	3.79	776.51	185.93	185.94	776.51	-1.50
2	95	246	7.23	-24.43	5.80	-23.00	6.58	830.81	240.87	241.09	830.59	-11.40
2	95	247	7.11	-25.63	4.31	-22.83	9.15	823.18	352.25	367.17	808.26	-82.48
2	95	248	2.89	-26.42	-1.61	-21.92	10.57	1381.62	407.18	605.91	1182.89	-392.63
2	95	253	-5.40	-45.67	-8.52	-42.55	-10.77	101.31	-1939.94	-1568.57	-270.05	-787.49

2	95	274	4.79	0.19	0.19	4.79	-6.77e-02	259.17	-121.76	-30.74	168.16	162.44
2	95	275	-0.28	-8.07	-3.42	-4.93	-3.82	508.44	-531.09	-12.86	-9.79	519.76
2	95	276	-4.18	-10.43	-4.61	-10.00	-1.58	232.75	-1461.65	-168.99	-1059.91	720.64
2	95	277	0.84	-12.42	0.36	-11.94	-2.49	-202.78	-1760.05	-315.93	-1646.90	404.23
2	95	278	9.56	-13.21	8.74	-12.38	-4.26	-307.01	-1790.76	-318.22	-1779.55	128.50
2	95	279	25.43	-13.44	25.31	-13.33	-2.12	-481.35	-1867.01	-483.82	-1864.55	58.37
2	95	280	17.88	-11.85	17.87	-11.84	-0.57	-315.82	-1742.30	-316.61	-1741.52	33.47
2	95	281	18.55	-12.21	18.52	-12.18	-0.98	-318.66	-1753.34	-319.63	-1752.37	-37.30
2	95	282	26.78	-13.17	26.67	-13.06	2.12	-470.07	-1833.22	-470.14	-1833.14	9.87
2	95	284	9.70	-12.50	8.95	-11.75	4.01	-341.67	-1761.88	-342.26	-1761.28	-28.99
2	95	285	11.73	-12.74	10.87	-11.88	4.50	-304.06	-1830.72	-323.19	-1811.59	-169.85
2	95	286	25.84	-14.57	24.85	-13.58	6.24	-395.70	-1892.95	-471.60	-1817.05	-328.45
2	95	312	0.74	-1.30	-0.45	-0.11	1.01	-4.42	-114.19	-46.65	-71.96	53.41
2	95	313	5.47	0.42	5.47	0.42	7.64e-02	209.14	-105.06	120.61	-16.53	141.35
2	95	314	-0.22	-7.15	-7.10	-0.26	0.54	279.00	-223.10	57.19	-1.29	249.34
2	95	315	2.25	-0.13	2.25	-0.13	1.22e-02	149.66	-200.69	-66.04	15.01	170.42
2	95	316	13.33	-0.20	13.33	-0.20	-0.21	27.91	-83.43	-66.64	11.12	39.84
2	95	317	25.53	0.65	25.53	0.65	3.66e-02	22.33	-43.74	5.99	-27.40	28.51
2	95	318	22.56	-0.25	22.56	-0.25	0.13	36.01	-53.46	-39.58	22.14	32.39
2	95	319	22.35	-0.25	22.34	-0.25	-0.18	30.94	-70.44	-54.03	14.53	-37.34
2	95	320	26.50	0.64	26.50	0.64	7.29e-02	44.65	-31.83	40.20	-27.38	17.91
2	95	321	15.78	-0.23	15.77	-0.22	0.25	18.97	-22.15	-15.06	11.88	15.53
2	95	322	11.89	-0.11	11.89	-0.11	3.26e-02	10.08	-36.76	-32.80	6.12	-13.03
2	95	323	16.45	-0.25	16.45	-0.24	9.57e-02	76.61	-127.24	-63.79	13.15	-94.39
2	95	324	26.46	0.53	26.46	0.53	-0.25	114.33	-158.85	-37.16	-7.36	-135.78
2	95	369	23.62	0.11	23.62	0.11	0.16	303.89	-176.41	107.54	19.94	236.12
2	95	380	-14.36	-66.07	-15.35	-65.08	-7.08	-355.38	-2400.03	-2339.69	-415.72	-346.03
2	95	381	24.44	0.12	24.44	0.12	-0.16	311.08	-176.74	114.74	19.60	-239.23
2	95	385	2.68	-5.25	0.94	-3.51	-3.28	510.80	-445.31	-49.77	115.26	-470.88
2	95	394	-18.68	-32.84	-18.68	-32.83	0.32	1367.83	1069.92	1367.27	1070.48	12.94
2	95	408	-2.07	-31.88	-5.00	-28.96	8.87	2043.82	-133.26	971.38	939.17	-1088.42
2	95	420	2.13	-5.49	0.35	-3.71	3.22	511.05	-425.39	-41.81	127.47	460.51
2	95	422	-13.02	-32.52	-14.09	-31.45	-4.44	1825.57	582.12	1289.81	1117.88	615.76
2	95	423	10.85	-13.94	9.92	-13.01	-4.70	161.14	-1557.87	-161.21	-1235.52	670.98
2	95	429	-2.51	-31.08	-4.72	-28.86	-7.64	2013.69	-173.00	946.05	894.64	1093.05
2	95	436	-4.75	-43.87	-8.38	-40.23	11.35	106.92	-1923.46	-1545.18	-271.36	790.54
2	95	437	9.29	-12.33	8.94	-11.98	-2.72	-320.18	-1774.30	-320.35	-1774.13	-15.85
2	95	459	-1.65	-21.80	-2.75	-20.70	-4.58	1803.15	704.43	712.93	1794.65	96.26
2	95	460	11.31	-14.38	10.10	-13.17	5.44	165.21	-1574.75	-160.07	-1249.47	-678.36
2	95	463	-13.66	-64.45	-15.17	-62.94	8.62	-348.23	-2387.60	-2320.32	-415.51	364.27
2	95	467	-17.06	-75.05	-17.07	-75.04	1.00	-479.18	-2634.70	-2634.64	-479.25	11.70
2	95	532	12.10	-12.34	11.56	-11.79	3.61	-312.13	-1736.25	-312.34	-1736.04	17.32
2	95	548	4.91	-3.43	0.87	0.61	-4.17	382.16	-372.19	-103.97	113.95	361.10
2	95	552	2.92	-0.57	2.90	-0.55	0.27	6.00	-304.45	-246.54	-51.91	120.93
2	95	556	20.61	-1.10	-0.28	19.79	4.13	706.00	-256.65	-138.94	588.29	-315.37
2	101	4	2.41	-4.49	-0.28	-1.80	-3.37	-20.79	-179.31	-61.39	-138.71	-69.19
2	101	5	16.02	1.58	16.01	1.59	0.39	251.15	-94.04	154.70	2.41	-154.89
2	101	6	-0.67	-15.48	-15.44	-0.71	-0.76	293.09	-255.59	37.18	0.32	-273.72
2	101	7	-0.27	-2.92	-2.92	-0.27	5.56e-02	139.68	-198.25	-73.40	14.83	-163.10
2	101	8	6.42	-0.24	6.42	-0.23	0.21	25.91	-78.64	-70.61	17.89	-27.83
2	101	9	17.09	0.63	17.09	0.63	-5.90e-02	28.81	-36.52	19.87	-27.58	-22.45
2	101	10	14.55	-0.28	14.55	-0.28	-0.16	29.65	-44.45	-29.72	14.92	-29.57
2	101	11	14.62	-0.25	14.62	-0.25	0.20	32.04	-69.05	-52.07	15.06	37.80
2	101	12	19.66	0.60	19.66	0.60	-8.78e-02	50.38	-31.02	47.36	-27.99	-15.40
2	101	13	10.96	-0.22	10.95	-0.22	-0.24	19.70	-23.88	-16.12	11.94	-16.67
2	101	14	8.50	-0.11	8.50	-0.11	-3.58e-02	9.92	-33.80	-30.03	6.15	12.27
2	101	15	13.49	-0.23	13.49	-0.22	-8.11e-02	72.55	-120.83	-61.11	12.83	89.34
2	101	16	23.08	0.48	23.08	0.49	0.21	109.26	-147.78	-30.62	-7.89	128.01
2	101	43	3.85	-12.77	-12.11	3.19	3.25	1010.30	-398.29	287.96	324.04	-704.06
2	101	44	-7.92	-10.31	-8.26	-9.97	-0.83	260.79	-1768.88	-215.49	-1292.61	-860.14
2	101	45	-3.69	-13.49	-4.83	-12.34	3.14	-260.80	-1850.78	-348.40	-1763.18	-362.77
2	101	46	4.40	-14.17	2.77	-12.54	5.25	-315.90	-1806.22	-321.73	-1800.39	-93.05
2	101	47	17.86	-13.56	17.58	-13.28	2.94	-472.40	-1867.20	-474.28	-1865.32	-51.11
2	101	48	10.69	-12.04	10.60	-11.95	1.40	-313.72	-1733.66	-314.12	-1733.26	-23.89
2	101	49	11.87	-12.38	11.71	-12.22	1.96	-312.27	-1727.26	-313.39	-1726.13	39.88
2	101	50	20.12	-12.97	20.08	-12.93	-1.12	-453.17	-1791.08	-453.21	-1791.04	-7.22
2	101	51	3.13	-0.53	3.11	-0.51	-0.27	7.70	-304.40	-247.31	-49.40	-120.67
2	101	52	6.39	-12.12	5.95	-11.68	-2.81	-328.89	-1697.22	-329.52	-1696.60	29.24
2	101	53	8.98	-12.31	8.47	-11.81	-3.23	-291.24	-1750.60	-309.43	-1732.41	161.92
2	101	54	22.49	-13.99	21.80	-13.30	-4.97	-374.46	-1795.96	-445.48	-1724.94	309.69
2	101	77	0.27	-27.28	-3.77	-23.24	9.75	1617.89	-204.07	1209.45	204.38	-759.83
2	101	78	-0.54	-28.58	-2.18	-26.94	6.58	1069.93	306.33	651.76	724.50	-380.06
2	101	79	2.32	-25.89	1.12	-24.70	5.69	746.84	293.56	343.96	696.44	-142.50
2	101	80	3.41	-22.96	2.51	-22.06	4.80	778.17	155.38	155.62	777.92	-12.32
2	101	81	6.54	-22.78	6.04	-22.28	3.79	667.01	167.48	169.40	665.08	30.95
2	101	82	7.02	-22.23	6.98	-22.20	1.00	657.87	134.09	134.26	657.70	-9.45
2	101	83	5.01	-21.14	4.99	-21.11	-0.79	760.66	80.94	81.09	760.51	10.22
2	101	84	5.44	-22.71	5.29	-22.56	-2.01	677.07	165.73	166.02	676.78	12.15
2	101	85	4.15	-23.60	3.35	-22.80	-4.65	731.22	216.97	217.82	730.36	20.99
2	101	86	4.41	-24.44	2.57	-22.60	-7.05	730.39	315.85	335.75	710.48	88.63

2	101	87	0.89	-24.87	-2.33	-21.65	-8.52	1276.74	356.47	561.93	1071.29	383.22
2	101	109	2.78	-15.73	-0.35	-12.60	-6.94	350.78	-2531.47	317.67	-2498.37	-307.14
2	101	110	-5.33	-29.32	-5.37	-29.28	0.95	-1743.52	-3569.24	-2220.78	-3091.98	-802.22
2	101	118	-0.12	-56.65	-0.17	-56.60	1.68	1729.81	-171.34	-170.74	1729.21	33.71
2	101	119	3.76	-42.62	3.75	-42.61	-0.63	2033.44	104.60	109.56	2028.49	97.61
2	101	120	-5.11	-33.40	-5.15	-33.37	0.97	1430.30	724.60	731.12	1423.78	67.52
2	101	121	-2.01	-27.37	-2.74	-26.64	4.25	1707.74	951.95	1000.84	1658.85	-185.91
2	101	122	-7.83e-02	-24.10	-0.53	-23.65	3.28	1730.41	680.67	688.86	1722.22	-92.38
2	101	123	1.63	-21.87	1.34	-21.57	2.63	1718.54	449.47	449.58	1718.43	-11.65
2	101	124	3.06	-20.86	2.90	-20.71	1.95	1680.69	359.44	359.50	1680.62	9.46
2	101	125	3.59	-20.34	3.55	-20.30	0.93	1666.91	316.78	316.83	1666.87	7.86
2	101	126	3.22	-20.16	3.22	-20.16	-2.10e-02	1671.36	295.03	295.04	1671.36	2.97
2	101	127	2.30	-20.62	2.25	-20.57	-1.10	1664.61	344.03	344.17	1664.46	13.74
2	101	128	0.67	-21.10	0.37	-20.80	-2.53	1677.73	452.11	452.24	1677.60	12.49
2	101	130	-6.25	-23.24	-7.87	-21.62	-4.99	1724.65	945.75	1050.92	1619.49	266.19
2	101	153	-12.49	-31.32	-13.90	-29.91	4.96	1740.44	593.15	1246.49	1087.10	-568.08
2	101	156	-0.10	-61.95	-0.11	-61.95	-0.63	2114.78	-152.40	-141.97	2104.35	-153.44
2	101	157	2.63	-45.31	2.35	-45.03	3.65	2359.72	88.51	143.23	2305.00	-348.24
2	101	158	-3.68	-34.84	-4.51	-34.01	5.01	1777.86	589.78	716.58	1651.06	-366.84
2	101	159	-2.73	-25.96	-2.81	-25.88	1.38	1725.81	1077.80	1088.89	1714.71	-84.07
2	101	160	-0.33	-23.21	-0.38	-23.16	1.05	1785.54	777.94	778.40	1785.09	-21.41
2	101	161	1.40	-21.28	1.37	-21.25	0.90	1789.42	503.16	503.17	1789.42	-2.27
2	101	162	2.54	-20.23	2.52	-20.20	0.78	1766.84	380.01	380.02	1766.83	2.63
2	101	163	3.04	-19.74	3.02	-19.72	0.65	1751.76	329.60	329.61	1751.75	3.72
2	101	164	2.75	-19.66	2.73	-19.65	0.54	1748.95	315.43	315.44	1748.94	3.80
2	101	165	1.49	-19.89	1.48	-19.88	0.45	1752.63	361.72	361.73	1752.62	3.83
2	101	166	-0.84	-19.95	-0.85	-19.94	0.40	1767.34	483.63	483.64	1767.33	3.82
2	101	167	-5.03	-19.92	-5.04	-19.91	0.36	1767.91	766.08	766.10	1767.90	4.28
2	101	168	-10.63	-21.43	-10.64	-21.42	0.33	1640.15	1202.44	1202.52	1640.07	6.08
2	101	194	0.31	-28.39	-1.00	-27.08	6.00	293.17	-1784.99	273.45	-1765.26	201.52
2	101	195	0.24	-47.12	-9.72e-03	-46.87	3.43	-1737.35	-2564.22	-2123.62	-2177.95	412.54
2	101	196	-4.15	-23.58	-4.36	-23.37	-2.01	1310.87	665.24	1293.38	682.74	104.83
2	101	197	-0.42	-25.37	-0.49	-25.30	-1.35	1540.90	1070.67	1143.66	1467.91	170.28
2	101	198	1.55	-23.36	1.51	-23.32	-0.98	1689.37	728.70	737.07	1681.00	89.26
2	101	199	3.10	-21.40	3.08	-21.39	-0.68	1716.11	465.57	465.86	1715.83	18.87
2	101	200	4.38	-20.51	4.37	-20.51	-0.27	1690.07	365.22	365.22	1690.07	0.32
2	101	201	4.81	-20.12	4.80	-20.11	0.49	1681.86	320.18	320.18	1681.85	2.01
2	101	202	4.31	-20.07	4.25	-20.00	1.21	1690.28	298.81	298.84	1690.25	6.67
2	101	203	3.22	-20.66	3.03	-20.47	2.12	1688.23	348.82	348.83	1688.22	-4.07
2	101	204	1.45	-21.28	0.92	-20.74	3.44	1705.24	457.77	457.78	1705.23	-3.01
2	101	205	-1.61	-21.83	-2.90	-20.54	4.94	1742.57	680.42	686.68	1736.31	-81.30
2	101	206	-5.72	-23.72	-7.84	-21.60	5.80	1747.45	967.84	1062.58	1652.71	-254.73
2	101	233	10.43	-11.50	-11.43	10.36	-1.23	520.41	-1369.23	-821.54	-27.28	857.30
2	101	238	0.56	-22.41	0.54	-22.38	-0.82	1675.53	-588.07	680.76	406.69	1123.47
2	101	239	2.00	-25.64	1.60	-25.24	-3.31	1209.54	204.95	660.79	753.70	500.14
2	101	240	5.10	-24.44	4.78	-24.12	-3.05	823.35	303.61	382.95	744.01	186.92
2	101	241	6.06	-21.88	5.83	-21.65	-2.51	829.30	177.51	179.44	827.37	35.37
2	101	242	9.05	-21.96	8.95	-21.86	-1.77	722.26	180.27	180.71	721.82	-15.42
2	101	243	9.54	-21.83	9.52	-21.81	0.73	714.48	143.59	144.42	713.64	21.79
2	101	244	7.30	-21.01	7.11	-20.82	2.33	812.73	92.50	92.51	812.73	2.06
2	101	245	7.25	-22.76	6.85	-22.37	3.41	732.16	175.86	175.86	732.16	5.71e-02
2	101	246	5.66	-23.92	4.42	-22.68	5.93	784.29	227.91	228.07	784.13	-9.52
2	101	247	5.55	-24.96	3.14	-22.54	8.23	777.66	334.72	348.70	763.67	-77.45
2	101	248	1.77	-25.59	-2.18	-21.64	9.61	1311.16	387.58	576.99	1121.75	-372.90
2	101	253	-5.58	-42.12	-8.29	-39.41	-9.57	90.51	-1851.09	-1500.55	-260.03	-746.81
2	101	274	4.36	0.17	0.17	4.36	-2.33e-02	247.47	-115.28	-30.00	162.20	153.83
2	101	275	-0.34	-7.58	-3.20	-4.71	-3.54	483.70	-496.90	-7.84	-5.36	490.30
2	101	276	-4.06	-10.10	-4.32	-9.84	-1.24	216.92	-1385.54	-161.85	-1006.76	680.81
2	101	277	0.46	-12.07	0.13	-11.74	-2.00	-194.56	-1671.12	-300.91	-1564.77	381.74
2	101	278	8.05	-12.82	7.37	-12.14	-3.70	-292.31	-1701.07	-302.76	-1690.62	120.88
2	101	279	22.44	-13.09	22.35	-13.00	-1.71	-454.49	-1771.79	-456.78	-1769.51	54.80
2	101	280	15.22	-11.60	15.22	-11.60	-0.36	-298.85	-1654.14	-299.59	-1653.40	31.72
2	101	281	15.77	-11.96	15.74	-11.93	-0.88	-301.64	-1664.70	-302.54	-1663.80	-35.07
2	101	282	23.53	-12.86	23.42	-12.75	1.99	-443.84	-1739.93	-443.92	-1739.86	9.75
2	101	284	8.09	-12.23	7.43	-11.57	3.61	-324.92	-1675.16	-325.45	-1674.63	-26.62
2	101	285	9.77	-12.42	9.03	-11.68	3.99	-289.21	-1741.06	-307.09	-1723.18	-160.12
2	101	286	22.80	-14.12	21.92	-13.25	5.61	-375.06	-1799.04	-446.45	-1727.64	-310.76
2	101	312	0.66	-1.15	-0.41	-8.27e-02	0.89	-3.80	-106.22	-42.45	-67.56	49.65
2	101	313	5.06	0.39	5.06	0.40	0.10	197.99	-98.55	115.35	-15.91	132.95
2	101	314	-0.21	-7.07	-7.03	-0.25	0.51	262.66	-210.67	53.01	-1.01	235.12
2	101	315	1.79	-0.12	1.79	-0.12	9.30e-03	141.09	-189.58	-62.77	14.28	160.79
2	101	316	11.75	-0.19	11.75	-0.19	-0.20	26.11	-78.60	-63.26	10.77	37.03
2	101	317	22.62	0.60	22.62	0.60	5.89e-02	23.47	-41.58	8.31	-26.42	27.50
2	101	318	19.68	-0.23	19.68	-0.23	0.11	34.29	-50.18	-36.98	21.09	30.67
2	101	319	19.44	-0.24	19.44	-0.24	-0.17	29.61	-66.05	-50.37	13.93	-35.41
2	101	320	23.36	0.60	23.36	0.60	8.06e-02	44.74	-30.45	40.66	-26.37	17.02
2	101	321	13.71	-0.21	13.70	-0.21	0.23	18.52	-21.72	-14.59	11.39	15.36
2	101	322	10.22	-9.63e-02	10.22	-9.62e-02	3.46e-02	9.46	-34.40	-30.80	5.87	-12.04
2	101	323	14.29	-0.23	14.29	-0.23	9.65e-02	72.44	-120.36	-60.55	12.63	-89.18
2	101	324	23.29	0.49	23.28	0.49	-0.23	109.10	-149.37	-32.98	-7.29	-128.59

2	101	369	20.87	8.44e-02	20.86	8.56e-02	0.16	286.58	-166.97	100.58	19.03	223.08
2	101	380	-14.06	-60.94	-14.91	-60.09	-6.25	-342.82	-2295.50	-2238.64	-399.68	-328.32
2	101	381	21.59	9.87e-02	21.59	9.99e-02	-0.16	293.35	-167.27	107.37	18.71	-226.00
2	101	385	2.37	-5.21	0.77	-3.60	-3.10	484.44	-418.03	-46.57	112.98	-444.13
2	101	394	-17.80	-31.08	-17.81	-31.07	0.32	1302.14	1015.90	1301.62	1016.42	12.12
2	101	408	-2.44	-30.43	-5.15	-27.73	8.27	1944.20	-127.83	924.99	891.37	-1035.88
2	101	420	1.87	-5.43	0.22	-3.78	3.05	484.66	-399.34	-39.08	124.40	434.38
2	101	422	-12.55	-30.84	-13.54	-29.85	-4.14	1736.69	553.01	1228.09	1061.61	585.95
2	101	423	9.27	-13.41	8.44	-12.57	-4.28	151.71	-1478.61	-153.41	-1173.48	635.89
2	101	429	-2.84	-29.67	-4.87	-27.64	-7.09	1915.83	-165.06	901.20	849.57	1040.13
2	101	436	-4.96	-40.45	-8.15	-37.26	10.14	95.70	-1835.51	-1478.58	-261.24	749.60
2	101	437	7.64	-12.06	7.34	-11.75	-2.43	-304.20	-1685.28	-304.39	-1685.09	-16.16
2	101	459	-2.28	-21.48	-3.20	-20.56	-4.10	1712.73	670.64	678.64	1704.72	90.97
2	101	460	9.67	-13.82	8.56	-12.71	4.98	155.57	-1494.54	-152.33	-1186.64	-642.86
2	101	463	-13.40	-59.44	-14.74	-58.10	7.73	-336.16	-2283.76	-2220.45	-399.47	345.38
2	101	467	-16.53	-69.16	-16.55	-69.14	0.95	-460.88	-2521.06	-2521.00	-460.93	10.96
2	101	532	10.15	-12.07	9.66	-11.58	3.28	-296.68	-1650.05	-296.91	-1649.83	17.47
2	101	548	4.91	-3.03	0.83	1.05	-3.97	363.50	-353.95	-98.86	108.40	343.43
2	101	552	3.04	-0.50	3.02	-0.47	0.29	4.96	-282.95	-228.81	-49.18	112.50
2	101	556	19.29	-1.04	-0.27	18.52	3.88	668.22	-243.22	-131.76	556.75	-298.61
2	106	4	2.37	-4.41	-0.27	-1.77	-3.31	-20.31	-176.79	-60.27	-136.83	-68.24
2	106	5	15.74	1.57	15.73	1.58	0.38	247.43	-92.76	152.25	2.42	-152.70
2	106	6	-0.66	-15.71	-15.67	-0.70	-0.75	288.78	-251.83	36.60	0.34	-269.70
2	106	7	-0.27	-3.41	-3.41	-0.27	5.36e-02	137.85	-195.14	-71.91	14.62	-160.78
2	106	8	5.87	-0.23	5.86	-0.23	0.21	25.61	-77.33	-69.40	17.67	-27.46
2	106	9	16.43	0.62	16.43	0.62	-6.11e-02	28.86	-36.17	19.98	-27.29	-22.33
2	106	10	13.94	-0.27	13.94	-0.27	-0.16	29.45	-43.91	-29.22	14.76	-29.36
2	106	11	13.98	-0.25	13.97	-0.25	0.20	31.60	-67.85	-51.15	14.90	37.17
2	106	12	18.87	0.59	18.87	0.59	-9.08e-02	50.25	-30.80	47.18	-27.72	-15.48
2	106	13	10.17	-0.22	10.16	-0.21	-0.24	19.76	-23.59	-15.64	11.81	-16.77
2	106	14	7.65	-0.11	7.65	-0.11	-3.71e-02	9.69	-32.72	-29.11	6.08	11.83
2	106	15	12.56	-0.22	12.56	-0.22	-8.19e-02	71.55	-118.96	-60.13	12.73	88.01
2	106	16	22.04	0.48	22.03	0.48	0.21	108.19	-145.87	-29.83	-7.85	126.55
2	106	43	3.76	-12.53	-11.89	3.12	3.17	996.26	-392.14	284.09	320.04	-693.97
2	106	44	-7.99	-10.34	-8.43	-9.90	-0.91	257.02	-1744.15	-212.37	-1274.76	-847.94
2	106	45	-4.15	-13.35	-5.23	-12.27	2.97	-257.08	-1825.90	-343.39	-1739.59	-357.71
2	106	46	3.84	-14.04	2.27	-12.47	5.07	-311.57	-1782.62	-317.34	-1776.84	-91.99
2	106	47	17.19	-13.47	16.93	-13.21	2.81	-466.03	-1843.12	-467.89	-1841.25	-50.67
2	106	48	10.09	-11.97	10.01	-11.89	1.31	-309.53	-1711.80	-309.94	-1711.39	-24.00
2	106	49	11.21	-12.31	11.05	-12.16	1.90	-308.27	-1705.92	-309.35	-1704.84	38.85
2	106	50	19.31	-12.91	19.27	-12.87	-1.13	-447.29	-1769.37	-447.33	-1769.33	-7.62
2	106	51	3.10	-0.50	3.08	-0.48	-0.26	7.55	-300.26	-243.84	-48.87	-119.10
2	106	52	5.54	-12.06	5.11	-11.63	-2.71	-324.68	-1678.11	-325.27	-1677.53	28.13
2	106	53	8.09	-12.23	7.61	-11.76	-3.06	-287.76	-1731.69	-305.55	-1713.89	159.29
2	106	54	21.50	-13.89	20.85	-13.24	-4.74	-370.55	-1777.16	-440.44	-1707.26	305.66
2	106	77	0.10	-26.91	-3.80	-23.00	9.50	1596.06	-201.64	1192.96	201.46	-749.78
2	106	78	-0.82	-28.32	-2.35	-26.79	6.31	1055.49	301.59	642.87	714.20	-375.26
2	106	79	1.92	-25.72	0.81	-24.61	5.43	736.41	289.20	339.28	686.33	-141.02
2	106	80	2.96	-22.85	2.11	-22.00	4.59	767.15	153.14	153.41	766.89	-12.67
2	106	81	6.02	-22.70	5.55	-22.23	3.64	657.40	165.30	167.12	655.57	29.92
2	106	82	6.46	-22.19	6.44	-22.16	0.92	648.64	132.29	132.49	648.45	-10.09
2	106	83	4.45	-21.12	4.43	-21.09	-0.79	750.38	79.87	79.99	750.25	9.22
2	106	84	4.84	-22.69	4.70	-22.55	-1.93	668.06	163.87	164.11	667.82	10.95
2	106	85	3.55	-23.57	2.79	-22.80	-4.48	721.89	214.78	215.54	721.14	19.60
2	106	86	3.80	-24.35	2.06	-22.61	-6.78	721.26	313.31	332.57	702.00	86.54
2	106	87	0.42	-24.69	-2.64	-21.63	-8.21	1262.88	354.13	557.09	1059.92	378.48
2	106	109	2.82	-15.13	-0.34	-11.97	-6.84	346.00	-2496.33	313.30	-2463.63	-303.11
2	106	110	-5.30	-28.59	-5.34	-28.55	0.92	-1719.22	-3520.44	-2190.39	-3049.27	-791.63
2	106	118	-0.12	-55.36	-0.17	-55.31	1.65	1706.94	-168.98	-168.40	1706.36	32.99
2	106	119	3.71	-41.69	3.70	-41.68	-0.62	2006.35	103.24	108.06	2001.52	95.71
2	106	120	-5.07	-32.94	-5.10	-32.91	0.92	1411.32	714.93	721.25	1405.00	66.05
2	106	121	-2.11	-27.15	-2.81	-26.46	4.11	1685.22	939.01	987.43	1636.80	-183.82
2	106	122	-0.30	-24.01	-0.72	-23.58	3.14	1707.62	671.56	679.70	1699.48	-91.48
2	106	123	1.31	-21.83	1.03	-21.55	2.52	1696.15	443.55	443.66	1696.04	-11.82
2	106	124	2.65	-20.86	2.50	-20.71	1.87	1659.12	354.80	354.86	1659.06	8.97
2	106	125	3.14	-20.36	3.11	-20.32	0.89	1645.95	312.78	312.82	1645.91	7.33
2	106	126	2.75	-20.20	2.75	-20.20	-1.59e-02	1650.87	291.40	291.40	1650.87	2.43
2	106	127	1.85	-20.68	1.81	-20.64	-1.04	1644.87	340.07	340.20	1644.74	12.98
2	106	128	0.26	-21.16	-1.76e-02	-20.88	-2.42	1658.59	447.34	447.45	1658.48	11.71
2	106	130	-6.45	-23.14	-7.98	-21.60	-4.82	1706.79	937.56	1041.63	1602.72	263.11
2	106	153	-12.45	-30.89	-13.83	-29.51	4.85	1723.87	587.85	1235.73	1075.98	-562.36
2	106	156	-9.99e-02	-60.61	-0.11	-60.60	-0.62	2086.11	-150.47	-140.15	2075.78	-151.60
2	106	157	2.59	-44.33	2.32	-44.05	3.60	2328.12	87.07	141.22	2273.98	-344.10
2	106	158	-3.64	-34.33	-4.46	-33.51	4.94	1754.26	581.54	706.99	1628.81	-362.46
2	106	159	-2.77	-25.78	-2.85	-25.70	1.37	1703.04	1063.53	1074.53	1692.04	-83.17
2	106	160	-0.50	-23.15	-0.55	-23.10	1.04	1762.28	767.72	768.17	1761.82	-21.22
2	106	161	1.12	-21.28	1.08	-21.25	0.89	1766.45	496.62	496.62	1766.45	-2.29
2	106	162	2.17	-20.25	2.15	-20.22	0.77	1744.53	375.15	375.15	1744.52	2.57
2	106	163	2.61	-19.78	2.60	-19.76	0.65	1730.08	325.46	325.47	1730.07	3.65
2	106	164	2.31	-19.73	2.30	-19.72	0.54	1727.83	311.57	311.58	1727.82	3.73

2	106	165	1.09	-19.98	1.08	-19.97	0.45	1732.17	357.57	357.58	1732.16	3.77
2	106	166	-1.17	-20.05	-1.17	-20.05	0.39	1747.48	478.56	478.57	1747.46	3.76
2	106	167	-5.22	-20.01	-5.23	-20.00	0.36	1748.92	758.85	758.87	1748.90	4.21
2	106	168	-10.66	-21.41	-10.67	-21.40	0.33	1623.21	1191.81	1191.90	1623.13	5.99
2	106	194	0.33	-27.53	-0.99	-26.21	5.91	289.47	-1763.50	270.00	-1744.03	198.98
2	106	195	0.23	-46.12	-1.93e-02	-45.87	3.39	-1715.84	-2532.56	-2096.78	-2151.61	407.44
2	106	196	-4.13	-23.25	-4.33	-23.05	-1.94	1293.74	655.67	1276.47	672.93	103.53
2	106	197	-0.53	-25.20	-0.60	-25.14	-1.25	1520.45	1056.51	1128.70	1448.26	168.17
2	106	198	1.31	-23.29	1.28	-23.26	-0.88	1667.19	719.14	727.43	1658.89	88.28
2	106	199	2.75	-21.39	2.73	-21.38	-0.59	1693.87	459.51	459.80	1693.59	18.86
2	106	200	3.95	-20.52	3.95	-20.52	-0.21	1668.49	360.55	360.55	1668.49	0.62
2	106	201	4.33	-20.14	4.32	-20.13	0.51	1660.78	316.15	316.15	1660.78	2.36
2	106	202	3.82	-20.11	3.76	-20.05	1.20	1669.60	295.14	295.17	1669.56	7.04
2	106	203	2.75	-20.72	2.57	-20.54	2.06	1668.22	344.81	344.81	1668.21	-3.49
2	106	204	1.02	-21.33	0.51	-20.83	3.33	1685.76	452.92	452.93	1685.76	-2.39
2	106	205	-1.95	-21.84	-3.18	-20.61	4.79	1723.52	674.01	680.13	1717.40	-79.93
2	106	206	-5.93	-23.60	-7.95	-21.58	5.63	1729.28	959.34	1053.13	1635.48	-251.83
2	106	233	10.58	-11.38	-11.32	10.51	-1.20	513.29	-1351.70	-811.02	-27.40	846.19
2	106	238	0.45	-22.18	0.43	-22.16	-0.70	1653.43	-581.23	671.70	400.50	1109.07
2	106	239	1.71	-25.47	1.35	-25.11	-3.09	1193.40	201.52	652.07	742.84	493.86
2	106	240	4.67	-24.33	4.39	-24.05	-2.83	811.93	299.16	377.87	733.22	184.83
2	106	241	5.56	-21.80	5.36	-21.60	-2.32	817.64	175.01	176.96	815.69	35.33
2	106	242	8.48	-21.90	8.39	-21.81	-1.64	711.95	177.92	178.32	711.55	-14.68
2	106	243	8.93	-21.79	8.91	-21.77	0.78	704.51	141.67	142.55	703.63	22.20
2	106	244	6.68	-21.00	6.49	-20.80	2.32	801.78	91.26	91.27	801.77	2.84
2	106	245	6.59	-22.74	6.21	-22.36	3.32	722.44	173.83	173.83	722.44	1.04
2	106	246	5.01	-23.88	3.82	-22.69	5.74	774.30	225.53	225.65	774.17	-8.32
2	106	247	4.91	-24.85	2.61	-22.56	7.94	767.95	331.85	345.35	754.45	-75.54
2	106	248	1.27	-25.39	-2.50	-21.62	9.29	1296.84	384.80	571.96	1109.68	-368.33
2	106	253	-5.57	-41.05	-8.24	-38.37	-9.37	87.52	-1835.40	-1488.92	-258.96	-739.06
2	106	274	4.27	0.15	0.15	4.27	-1.13e-02	244.58	-113.57	-29.85	160.86	151.58
2	106	275	-0.34	-7.43	-3.10	-4.68	-3.46	477.53	-488.40	-6.90	-3.98	482.96
2	106	276	-4.34	-10.00	-4.57	-9.77	-1.12	213.91	-1366.61	-159.56	-993.14	671.41
2	106	277	-7.67e-02	-11.97	-0.37	-11.68	-1.84	-191.77	-1649.26	-296.64	-1544.40	376.63
2	106	278	7.40	-12.72	6.76	-12.08	-3.53	-288.37	-1679.40	-298.71	-1669.06	119.48
2	106	279	21.66	-13.01	21.59	-12.94	-1.60	-448.42	-1749.43	-450.69	-1747.15	54.37
2	106	280	14.52	-11.54	14.51	-11.54	-0.29	-294.87	-1633.63	-295.62	-1632.88	31.68
2	106	281	15.01	-11.90	14.98	-11.87	-0.82	-297.80	-1644.44	-298.67	-1643.57	-34.13
2	106	282	22.64	-12.81	22.52	-12.69	1.99	-438.10	-1719.09	-438.18	-1719.01	10.10
2	106	284	7.19	-12.17	6.54	-11.52	3.50	-320.76	-1656.43	-321.25	-1655.94	-25.55
2	106	285	8.85	-12.34	8.14	-11.63	3.82	-285.74	-1722.32	-303.23	-1704.83	-157.53
2	106	286	21.78	-14.01	20.96	-13.19	5.37	-371.11	-1780.22	-441.38	-1709.94	-306.73
2	106	312	0.64	-1.11	-0.39	-7.98e-02	0.86	-3.62	-104.21	-41.37	-66.46	48.70
2	106	313	4.91	0.40	4.91	0.40	0.11	195.19	-97.11	113.84	-15.76	131.00
2	106	314	-0.21	-7.43	-7.40	-0.25	0.51	258.94	-207.59	52.29	-0.95	231.74
2	106	315	1.20	-0.12	1.20	-0.12	9.66e-03	139.34	-186.68	-61.43	14.09	158.58
2	106	316	11.08	-0.19	11.08	-0.19	-0.20	25.84	-77.36	-62.20	10.67	36.54
2	106	317	21.84	0.60	21.84	0.60	6.48e-02	23.65	-41.22	8.58	-26.15	27.39
2	106	318	18.94	-0.22	18.94	-0.22	0.11	34.00	-49.46	-36.31	20.84	30.41
2	106	319	18.67	-0.23	18.67	-0.23	-0.17	29.21	-64.88	-49.46	13.79	-34.83
2	106	320	22.47	0.59	22.47	0.59	8.37e-02	44.73	-30.24	40.62	-26.13	17.08
2	106	321	12.83	-0.21	12.83	-0.20	0.22	18.60	-21.44	-14.12	11.28	15.48
2	106	322	9.31	-9.62e-02	9.31	-9.61e-02	3.59e-02	9.24	-33.31	-29.86	5.80	-11.61
2	106	323	13.32	-0.23	13.32	-0.22	9.72e-02	71.45	-118.48	-59.56	12.53	-87.86
2	106	324	22.22	0.48	22.21	0.48	-0.23	108.04	-147.43	-32.14	-7.26	-127.13
2	106	369	19.94	7.43e-02	19.94	7.57e-02	0.16	283.28	-165.04	99.38	18.86	220.51
2	106	380	-13.97	-59.59	-14.81	-58.75	-6.14	-340.70	-2276.22	-2220.02	-396.90	-324.98
2	106	381	20.64	8.84e-02	20.64	8.97e-02	-0.16	289.96	-165.34	106.08	18.54	-223.40
2	106	385	2.27	-5.17	0.73	-3.64	-3.01	479.20	-413.41	-46.66	112.45	-439.16
2	106	394	-17.66	-30.63	-17.67	-30.62	0.32	1290.92	1005.63	1290.41	1006.14	11.94
2	106	408	-2.65	-30.06	-5.24	-27.47	8.02	1925.45	-125.94	917.26	882.25	-1025.55
2	106	420	1.77	-5.40	0.20	-3.82	2.97	479.43	-394.98	-39.26	123.70	429.55
2	106	422	-12.50	-30.42	-13.46	-29.46	-4.04	1720.16	548.29	1217.59	1050.85	579.97
2	106	423	8.65	-13.24	7.87	-12.46	-4.07	150.04	-1463.44	-151.75	-1161.64	629.17
2	106	429	-3.03	-29.31	-4.96	-27.38	-6.85	1897.48	-162.65	893.80	841.03	1029.73
2	106	436	-4.95	-39.41	-8.10	-36.26	9.93	92.63	-1820.00	-1467.24	-260.14	741.80
2	106	437	6.87	-12.00	6.56	-11.70	-2.37	-300.25	-1665.67	-300.45	-1665.46	-16.68
2	106	459	-2.60	-21.50	-3.47	-20.63	-3.95	1694.06	664.37	672.20	1686.23	89.45
2	106	460	9.03	-13.65	7.98	-12.60	4.76	153.86	-1479.16	-150.68	-1174.63	-636.06
2	106	463	-13.31	-58.11	-14.64	-56.79	7.60	-334.15	-2264.61	-2202.07	-396.69	341.79
2	106	467	-16.41	-67.70	-16.43	-67.68	0.94	-457.42	-2499.65	-2499.60	-457.48	10.80
2	106	532	9.31	-12.02	8.81	-11.53	3.21	-292.83	-1631.04	-293.07	-1630.80	17.96
2	106	548	5.09	-2.78	0.83	1.48	-3.92	358.67	-349.50	-97.57	106.74	339.03
2	106	552	3.02	-0.47	2.99	-0.44	0.29	4.85	-279.11	-225.61	-48.66	111.05
2	106	556	18.99	-1.04	-0.28	18.24	3.81	659.18	-239.88	-130.07	549.37	-294.40

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
	123.21	-101.04	-98.59	-101.02	-21.87	3770.93	-5157.80	-3485.50	-4895.80	-1443.31
			123.21	26.45	38.56			1811.29	3767.28	1572.84

Macro	Tipo	Angolo 1-X (gradi)
3	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
3	11	17	1.48	0.29	1.31	0.46	0.42	697.49	2.97	696.23	4.23	-29.57
3	11	60	1.09	0.23	0.64	0.68	-0.43	313.09	-161.48	304.58	-152.97	62.98
3	11	61	-0.36	-2.19	-1.62	-0.92	0.85	2409.81	659.59	2395.56	673.84	-157.27
3	11	62	0.80	-3.26	-2.95	0.49	1.09	-153.64	-1127.04	-1102.43	-178.25	-152.81
3	11	63	-1.59	-6.41	-5.97	-2.04	1.40	-23.35	-2174.36	-2172.94	-24.77	-55.23
3	11	64	8.79	-4.92	-2.00	5.87	-5.62	-65.79	-1685.67	-1685.67	-65.79	9.56e-02
3	11	67	5.27	-10.08	-9.53	4.72	2.87	1231.60	-94.47	943.44	193.69	546.88
3	11	68	8.87	-0.50	1.40	6.97	-3.76	212.85	-288.00	-97.10	21.95	-243.25
3	11	69	16.40	7.91e-02	0.68	15.80	3.07	294.66	-243.88	-108.35	159.13	233.71
3	11	70	14.24	-3.80	-3.16	13.60	-3.33	147.97	-439.94	-417.36	125.39	-112.99
3	11	72	2.97	-0.11	2.97	-0.10	-5.08e-02	-137.43	-675.22	-674.20	-138.44	-23.32
3	11	73	17.48	-3.40	-3.28	17.35	1.61	344.69	-434.98	-413.14	322.85	128.64
3	11	74	10.68	-1.46	-1.20	10.42	1.73	47.14	-251.07	46.58	-250.51	12.98
3	11	75	7.84	2.64	5.42	5.07	2.59	-6.29e-02	-306.87	-6.20	-300.73	-42.95
3	11	76	10.89	3.65	4.62	9.91	-2.47	7.36	-155.20	-12.35	-135.48	53.07
3	11	94	8.31	-0.36	-0.36	8.31	2.48e-02	21.53	-395.11	21.49	-395.07	-4.09
3	11	95	5.25	-0.49	-0.48	5.25	-0.16	13.72	-402.72	13.67	-402.68	4.24
3	11	96	8.93	-0.55	-0.52	8.90	0.49	15.43	-350.54	15.40	-350.51	3.12
3	11	98	10.33	-1.06	-0.84	10.11	-1.57	45.03	-47.02	42.36	-44.35	-15.47
3	11	99	8.54	2.99	5.24	6.28	-2.73	8.35	-134.24	-24.61	-101.28	60.11
3	11	102	17.63	-2.91	-2.80	17.52	1.50	563.99	-364.15	-348.14	547.98	120.86
3	11	104	-0.84	-3.94	-3.94	-0.84	4.09e-02	-137.64	-663.45	-663.01	-138.07	15.08
3	11	105	18.11	-3.58	-3.31	17.85	-2.39	264.81	-458.46	-436.31	242.66	-124.62
3	11	106	0.12	-2.19	-2.15	8.28e-02	-0.27	-145.90	-842.99	-836.04	-152.84	-69.24
3	11	112	15.16	-0.24	0.88	14.05	3.99	443.23	-213.70	-114.96	344.49	234.77
3	11	114	4.93	-13.65	-13.46	4.74	1.89	1212.41	-103.46	898.16	210.80	561.04
3	11	137	10.39	-9.31	-5.84	6.92	-7.51	-68.73	-1243.92	-1239.93	-72.71	68.33
3	11	138	-1.68	-9.24	-9.04	-1.89	1.22	-28.17	-1748.17	-1747.96	-28.37	18.73
3	11	139	-0.43	-9.46	-9.45	-0.44	-0.26	-136.28	-501.92	-500.39	-137.80	-23.58
3	11	140	1.34	-6.54	-5.36	0.16	2.81	1968.75	511.71	1947.86	532.60	-173.19
3	11	141	-0.17	-2.29	-1.86	-0.61	-0.86	-107.17	-351.04	-310.50	-147.71	90.79
3	11	142	-0.27	-2.82	-2.81	-0.28	-0.12	-97.72	-246.42	-196.94	-147.19	-70.06
3	11	143	0.47	-5.82	-5.50	0.16	-1.37	1826.08	496.12	1809.00	513.20	149.77
3	11	145	6.35e-02	-8.43	-8.41	4.84e-02	-0.36	-37.37	-1571.87	-1571.43	-37.81	-26.04
3	11	146	-0.36	-8.40	-8.39	-0.37	-0.25	-132.12	-710.04	-701.49	-140.67	-69.74
3	11	147	-0.33	-7.20	-7.12	-0.41	0.73	1709.82	420.16	1674.52	455.46	-210.42
3	11	148	1.53	-3.26	-3.01	1.27	1.08	-195.72	-522.63	-521.69	-196.66	17.55
3	11	149	-2.71	-11.08	-11.01	-2.78	-0.77	862.44	298.81	860.34	300.91	-34.33
3	11	150	3.11	-5.18	-5.09	3.02	-0.87	-108.38	-808.57	-808.22	-108.74	15.74
3	11	151	0.72	-4.29	-4.21	0.64	0.62	1109.80	410.19	1105.26	414.73	-56.14
3	11	173	1.27	-0.95	0.84	-0.51	0.88	1815.75	573.27	1813.64	575.39	-51.18
3	11	176	0.41	-3.34	-3.29	0.36	0.44	49.98	-182.72	-9.84e-02	-132.65	-95.63
3	11	177	-0.35	-4.92	-4.86	-0.41	-0.54	1815.84	573.13	1814.83	574.13	35.32
3	11	178	0.39	-4.52	-4.52	0.39	8.90e-02	-157.77	-1132.27	-1124.40	-165.64	87.22
3	11	179	-4.85e-02	-3.91	-3.83	-0.13	0.55	-140.04	-1588.82	-1580.02	-148.84	-112.59
3	11	180	-7.92e-02	-3.60	-3.59	-9.32e-02	0.22	1719.61	548.13	1718.48	549.26	-36.33
3	11	181	-0.15	-2.82	-2.82	-0.15	-3.17e-02	686.37	1.58	685.84	2.12	19.20
3	11	183	0.46	-2.08	-2.01	0.38	0.44	318.83	-163.62	307.74	-152.53	-72.31
3	11	184	-0.58	-3.93	-3.86	-0.66	-0.51	2399.06	664.96	2387.25	676.77	142.59
3	11	185	0.21	-5.11	-4.91	8.95e-03	-1.01	-155.93	-1135.79	-1113.35	-178.37	146.56
3	11	187	8.97	-6.11	-2.95	5.81	6.14	-66.98	-1674.31	-1674.28	-67.01	-6.58
3	11	190	4.66	-10.36	-9.90	4.20	-2.59	1267.27	-88.61	967.30	211.36	-562.80
3	11	213	11.94	-2.44	11.90	-2.41	0.67	603.84	7.66	547.66	63.84	174.17
3	11	214	-0.70	-12.14	-11.85	-0.99	-1.80	45.34	-1068.12	-1066.72	43.94	-39.47
3	11	215	0.47	-10.63	-10.63	0.47	-0.13	40.68	-1692.74	-1692.66	40.61	11.38
3	11	216	-0.39	-9.20	-9.18	-0.41	0.43	94.98	-395.72	-381.20	80.46	83.15
3	11	217	0.79	-6.25	-5.66	0.21	-1.95	1788.46	-186.12	1787.22	-184.88	49.44
3	11	218	-0.19	-3.22	-3.06	-0.36	0.69	81.40	-329.47	-328.80	80.74	-16.48
3	11	219	-0.36	-4.28	-4.24	-0.40	-0.37	85.77	-191.86	-188.92	82.83	28.45
3	11	220	0.32	-5.60	-5.48	0.20	0.82	1678.41	-176.36	1677.87	-175.81	-31.78
3	11	221	-0.24	-7.96	-7.96	-0.24	-5.87e-02	78.61	-765.51	-761.14	74.24	-60.56
3	11	222	0.30	-8.47	-8.47	0.30	2.79e-02	38.67	-1546.30	-1546.26	38.63	-8.02
3	11	223	-0.73	-10.13	-10.13	-0.73	-1.74e-02	71.27	-604.08	-601.46	68.65	41.97
3	11	224	0.47	-7.42	-7.28	0.34	-1.02	1540.71	-137.12	1540.21	-136.62	29.00
3	11	225	-0.81	-12.25	-12.23	-0.84	0.48	96.62	-541.16	-540.64	96.10	-18.23
3	11	226	6.12	0.42	6.12	0.42	0.12	770.24	-92.14	769.04	-90.94	-32.20
3	11	227	6.71e-02	-14.23	-14.23	6.54e-02	0.15	61.65	-802.28	-798.29	57.66	-58.58
3	11	228	-0.96	-8.78	-8.78	-0.96	-0.16	60.72	-632.79	-632.73	60.66	-6.49
3	11	235	0.35	-6.89	-6.87	0.33	-0.37	1006.18	-118.03	1005.82	-117.67	-20.03
3	11	236	-0.56	-4.20	-4.18	-0.58	0.27	66.96	-654.53	-653.62	66.05	-25.63
3	11	237	-5.01e-02	-4.69	-4.68	-5.68e-02	-0.18	108.45	50.05	70.99	87.50	28.01
3	11	254	0.18	-3.17	-3.13	0.13	0.40	1677.19	-186.37	1677.02	-186.19	-18.19
3	11	255	1.98e-03	-6.05	-6.05	1.10e-03	-7.30e-02	82.28	-1062.22	-1060.87	80.93	-39.25

3	11	256	-1.87e-02	-4.51	-4.51	-1.96e-02	-6.46e-02	73.38	-1566.86	-1566.76	73.27	13.40
3	11	257	7.73e-02	-2.22	-2.22	7.50e-02	-7.37e-02	1523.79	-175.89	1523.79	-175.89	-2.36
3	11	258	-0.21	-2.70	-2.70	-0.21	1.60e-02	807.51	66.16	797.80	75.87	-84.29
3	11	259	6.94e-02	-3.18	-3.18	6.86e-02	-4.94e-02	36.32	-451.42	-451.39	36.29	3.66
3	11	260	-4.67e-03	-3.56	-3.55	-5.99e-03	-6.86e-02	373.96	84.17	362.68	95.45	56.05
3	11	261	0.12	-1.73	-1.66	4.52e-02	0.37	2234.61	-225.08	2234.57	-225.04	-9.38
3	11	263	9.71	-2.11	9.68	-2.08	0.64	653.62	39.09	605.19	87.51	165.57
3	11	266	0.48	-0.66	0.17	-0.34	-0.51	1717.46	548.05	1717.10	548.40	20.48
3	11	268	-0.24	-6.29	-6.22	-0.31	-0.66	-137.31	-496.87	-495.57	-138.61	21.54
3	11	271	0.10	-5.78	-5.78	0.10	9.19e-03	84.54	-1044.37	-1043.51	83.68	-31.09
3	11	309	0.33	-8.10	-8.09	0.33	0.20	43.12	-2098.79	-2098.22	42.55	34.87
3	11	310	-0.75	-12.17	-12.02	-0.90	1.31	46.95	-1533.30	-1528.72	42.37	84.97
3	11	334	1.11	-3.48	-2.45	6.82e-02	-1.92	1980.57	517.41	1960.87	537.11	168.63
3	11	341	1.00	-0.46	0.90	-0.35	-0.37	-104.73	-353.67	-309.84	-148.57	-94.82
3	11	342	1.52	-6.94e-02	1.51	-6.22e-02	-0.11	-98.28	-259.78	-213.02	-145.04	73.25
3	11	346	1.10	-1.46	-0.31	-4.32e-02	1.27	1861.61	499.03	1842.86	517.78	-158.75
3	11	363	11.91	-0.14	-0.14	11.91	-6.13e-02	17.28	-350.68	17.28	-350.68	0.26
3	11	364	10.06	-1.73	10.01	-1.68	-0.80	662.63	46.77	609.73	99.67	-172.57
3	11	371	-5.92e-02	-1.74	-1.74	-5.93e-02	1.60e-02	-39.52	-1572.30	-1572.13	-39.69	16.22
3	11	372	0.52	-1.57e-02	5.56e-02	0.45	0.18	-156.59	-1130.36	-1120.47	-166.47	-97.60
3	11	374	0.13	-1.33	-1.33	0.13	4.77e-02	-133.82	-717.31	-710.85	-140.29	61.09
3	11	382	6.61	1.21	6.02	1.80	-1.68	-195.34	-501.62	-499.76	-197.20	-23.80
3	11	388	-2.15	-3.63	-2.25	-3.52	0.39	934.45	306.98	933.74	307.68	20.98
3	11	391	6.14	2.15	4.96	3.33	1.82	-109.91	-792.35	-791.41	-110.86	-25.42
3	11	412	0.74	-0.31	0.58	-0.15	0.38	-63.93	-431.79	-430.09	-65.63	-24.94
3	11	413	13.85	-0.82	-0.71	13.73	1.28	39.18	-132.18	38.49	-131.49	10.87
3	11	416	-3.93e-02	-2.45	-2.45	-4.01e-02	-4.21e-02	-64.87	-434.21	-433.64	-65.43	14.42
3	11	419	2.37	-4.23e-02	2.31	1.99e-02	-0.38	1066.45	409.84	1064.49	411.80	35.86
3	11	428	2.24	-1.62	1.74	-1.13	-1.29	-84.47	-704.27	-671.81	-116.92	138.07
3	11	432	-1.59	-6.73	-6.12	-2.20	1.66	-81.10	-695.67	-658.58	-118.19	-146.36
3	11	434	1.38	-1.02	0.94	-0.57	-0.93	1688.50	419.28	1655.21	452.56	202.83
3	11	452	0.14	-0.24	-0.24	0.14	1.20e-02	-140.78	-1589.39	-1582.20	-147.96	101.79
3	11	453	11.53	-0.79	-0.68	11.43	-1.13	40.32	-85.07	39.44	-84.19	-10.46
3	11	469	4.94	-11.80	-11.79	4.93	-0.38	1267.97	-50.22	940.21	277.54	-569.76
3	11	472	9.78	-2.24	9.72	-2.18	-0.82	598.03	64.57	538.36	124.24	-168.14
3	11	475	-0.63	-10.15	-9.89	-0.88	1.55	41.67	-1076.85	-1075.74	40.56	35.25
3	11	476	0.34	-8.81	-8.81	0.34	4.88e-02	39.93	-1694.37	-1694.26	39.82	-13.78
3	11	478	-0.17	-6.00	-6.00	-0.18	-0.20	95.98	-391.58	-376.23	80.63	-85.13
3	11	479	0.47	-3.02	-2.65	9.37e-02	1.08	1803.66	-186.83	1802.25	-185.42	-52.97
3	11	480	0.57	-0.28	0.50	-0.21	-0.23	83.61	-317.35	-317.23	83.50	6.78
3	11	481	1.21	0.17	1.20	0.18	9.56e-02	80.25	-191.06	-186.89	76.08	-33.37
3	11	484	0.31	-1.27	-0.62	-0.34	-0.77	1675.48	-176.77	1673.25	-174.54	64.30
3	11	485	0.16	-1.33	-1.31	0.14	0.18	82.38	-776.91	-773.51	78.98	53.94
3	11	494	-0.13	-7.79	-7.78	-0.13	-0.19	-145.99	-845.22	-840.36	-150.85	58.11
3	11	498	11.38	3.51	4.43	10.46	2.53	2.11	-191.43	-9.70	-179.62	-46.34
3	11	499	16.70	0.11	0.71	16.10	-3.09	245.87	-254.82	-104.70	95.75	-229.41
3	11	502	-1.24	-7.05	-6.63	-1.66	-1.50	-23.59	-2174.40	-2173.31	-24.68	48.37
3	11	504	3.40e-02	-1.30	-1.30	3.38e-02	-1.53e-02	36.15	-1555.48	-1555.48	36.15	-0.19
3	11	505	-3.83e-02	-1.56	-1.53	-6.40e-02	-0.20	71.28	-615.16	-611.93	68.05	-46.98
3	11	506	1.87	-0.55	1.20	0.12	1.08	1522.13	-136.27	1521.41	-135.56	-34.42
3	11	507	-0.40	-2.23	-2.15	-0.47	-0.37	96.70	-520.48	-520.24	96.46	12.21
3	11	508	20.51	0.35	20.51	0.35	-0.20	841.79	-94.28	840.95	-93.44	28.06
3	11	509	-0.33	-5.17	-5.17	-0.33	5.50e-02	61.61	-783.33	-779.71	57.99	55.15
3	11	510	8.15	-8.18	-5.42	5.40	6.11	-69.01	-1251.02	-1246.86	-73.17	-70.02
3	11	511	0.40	-0.25	-1.83e-02	0.17	-0.31	60.58	-650.09	-650.07	60.57	3.55
3	11	512	2.17	-7.04e-02	2.14	-4.08e-02	0.26	967.59	-116.55	967.33	-116.30	16.57
3	11	513	2.50	-0.15	2.50	-0.15	5.05e-02	66.29	-661.93	-661.40	65.76	19.63
3	11	514	2.49	0.54	2.49	0.55	-6.51e-02	109.01	34.38	55.75	87.63	-33.74
3	11	515	2.89	-0.29	2.74	-0.14	-0.67	1677.23	-186.55	1677.14	-186.47	12.57
3	11	516	0.32	-0.30	-0.25	0.27	0.17	81.92	-1056.65	-1055.70	80.97	32.90
3	11	517	7.01e-02	-0.37	-0.35	5.00e-02	-9.22e-02	73.55	-1569.87	-1569.63	73.31	-19.86
3	11	518	1.21	-0.27	0.96	-1.97e-02	0.55	1519.50	-175.59	1519.49	-175.58	-3.11
3	11	519	0.92	0.32	0.89	0.35	0.13	815.45	67.11	807.15	75.41	78.39
3	11	520	0.17	-0.18	0.16	-0.17	-6.06e-02	36.54	-447.83	-447.64	36.34	-9.61
3	11	521	0.28	-0.65	-0.65	0.28	5.33e-02	371.55	81.60	357.68	95.46	-61.88
3	11	522	1.11	-0.24	0.90	-2.84e-02	-0.49	2243.47	-224.95	2243.46	-224.94	5.41
3	11	523	-1.36	-7.44	-7.19	-1.62	-1.23	-28.06	-1749.25	-1748.99	-28.31	-20.80
3	11	542	0.15	-5.04	-5.04	0.15	-7.31e-02	84.35	-1031.41	-1030.73	83.66	27.58
3	11	544	3.03	0.64	3.01	0.66	-0.24	31.66	-179.00	-14.20	-133.14	86.93
3	11	546	0.35	-5.10	-5.10	0.35	-0.16	43.28	-2099.31	-2098.62	42.60	-38.26
3	11	550	-0.76	-11.22	-11.07	-0.91	-1.25	47.84	-1548.30	-1543.34	42.89	-88.78
3	40	17	39.14	3.70	39.14	3.70	0.15	451.05	-29.67	426.41	-5.03	-106.01
3	40	60	29.51	4.82	29.48	4.85	-0.85	409.41	-101.60	408.01	-100.20	-26.64
3	40	61	31.25	-2.59	31.23	-2.57	0.83	1839.27	421.64	1815.95	444.95	-180.30
3	40	62	28.08	3.59	28.08	3.59	-0.11	-97.36	-504.25	-492.06	-109.55	-69.36
3	40	63	20.03	-2.73	20.01	-2.71	0.66	-9.34	-1409.90	-1408.94	-10.31	36.68
3	40	64	14.00	-3.79	13.84	-3.63	1.66	-136.57	-1310.41	-1301.43	-145.56	-102.31
3	40	67	28.03	2.34	9.57	20.80	11.55	1358.37	152.66	473.24	1037.80	532.69
3	40	68	-5.27	-22.84	-5.81	-22.30	3.03	683.12	171.32	171.76	682.68	15.01
3	40	69	7.57e-02	-11.97	-0.82	-11.08	-3.16	1707.12	241.98	248.08	1701.02	-94.34

3	40	70	-3.91	-11.50	-3.99	-11.42	-0.78	749.64	-46.42	-37.22	740.44	85.10
3	40	72	-3.68	-37.90	-37.29	-4.29	-4.54	-36.14	-384.48	-307.52	-113.09	-144.52
3	40	73	-3.21e-02	-5.10	-0.51	-4.62	-1.48	1808.28	82.17	94.72	1795.74	-146.61
3	40	74	0.61	-10.05	0.59	-10.04	0.42	416.99	-51.11	-35.95	401.83	-82.86
3	40	75	4.80	-11.33	4.78	-11.31	0.60	371.14	-110.24	-72.37	333.27	-129.60
3	40	76	1.93	-5.09	1.93	-5.09	-1.14e-02	1157.67	-173.35	-131.10	1115.42	233.34
3	40	94	5.65	-2.67	-0.89	3.87	-3.41	40.27	-279.69	19.50	-258.92	-78.83
3	40	95	3.59	-3.75	-1.13	0.97	-3.51	22.55	-278.47	16.20	-272.11	-43.28
3	40	96	9.62	0.86	1.73	8.75	2.61	17.30	-270.73	1.38	-254.80	65.83
3	40	98	18.43	-1.42	-1.25	18.26	-1.81	79.31	-512.41	57.18	-490.28	-112.26
3	40	99	13.42	1.66	2.30	12.78	-2.66	21.42	-589.68	19.41	-587.67	-35.05
3	40	102	26.74	-2.74	-2.65	26.65	1.66	-48.72	-314.23	-226.86	-136.09	124.76
3	40	104	55.06	4.26	54.54	4.78	-5.11	-45.10	-596.63	-578.50	-63.24	-98.36
3	40	105	28.87	-2.23	-1.90	28.55	-3.16	-519.72	-1577.12	-723.44	-1373.40	-417.03
3	40	106	0.16	-56.48	-55.72	-0.60	6.52	-68.98	-594.22	-564.84	-98.36	-120.70
3	40	112	34.19	1.81	3.85	32.15	7.87	19.40	-396.48	-134.44	-242.63	200.78
3	40	114	-10.11	-25.73	-21.68	-14.15	-6.84	330.52	-280.46	301.91	-251.85	129.08
3	40	137	15.60	-15.00	-12.09	12.70	-8.97	8.77	-844.16	-812.06	-23.34	162.33
3	40	138	-3.36	-25.01	-24.95	-3.42	-1.14	13.12	-1094.27	-1082.94	1.80	-111.42
3	40	139	1.92	-34.82	-34.80	1.90	-0.87	-45.47	-294.43	-280.49	-59.40	57.23
3	40	140	-1.45	-37.02	-36.93	-1.53	1.72	1159.60	170.01	1016.90	312.71	-347.64
3	40	141	-1.11	-37.39	-37.20	-1.30	-2.60	-109.68	-419.16	-419.15	-109.70	-1.87
3	40	142	6.40	0.83	6.35	0.88	-0.53	220.34	-104.51	177.19	-61.36	-110.26
3	40	143	59.63	-0.99	59.59	-0.96	-1.41	1237.99	334.75	1215.85	356.88	-139.66
3	40	145	72.67	-1.06	72.10	-0.49	6.47	-15.31	-1087.00	-1061.65	-40.66	-162.87
3	40	146	78.56	3.92	78.07	4.41	6.05	-46.44	-231.75	-229.02	-49.17	-22.34
3	40	147	89.96	-4.61	89.61	-4.27	5.70	1198.23	83.63	993.75	288.11	-431.39
3	40	148	107.61	6.39	105.84	8.17	13.27	-109.49	-322.47	-318.38	-113.58	-29.22
3	40	149	105.27	-22.54	105.26	-22.53	-0.92	1013.34	180.90	931.58	262.66	-247.74
3	40	150	109.40	5.32	107.80	6.91	-12.77	-125.17	-345.68	-344.94	-125.91	-12.75
3	40	151	63.49	-6.21	62.96	-5.69	-6.01	616.08	133.20	512.99	236.29	-197.87
3	40	173	4.69	0.41	4.51	0.59	-0.86	1178.08	348.28	1155.34	371.01	-135.45
3	40	176	43.85	0.65	43.75	0.75	-2.06	201.11	-185.44	103.03	-87.36	-168.21
3	40	177	6.45	-1.48	6.07	-1.09	-1.70	1197.96	378.74	1166.31	410.39	-157.88
3	40	178	2.07	-22.28	-22.26	2.05	-0.73	-112.47	-832.32	-830.29	-114.49	-38.12
3	40	179	-1.85	-16.97	-16.94	-1.87	0.58	-63.80	-943.87	-911.78	-95.89	-164.96
3	40	180	-0.18	-25.61	-25.60	-0.19	0.51	1109.99	330.45	1058.11	382.33	-194.31
3	40	181	-4.76	-29.77	-29.68	-4.85	1.51	232.63	-38.25	212.07	-17.69	-71.74
3	40	183	-2.68	-28.84	-28.84	-2.68	-4.61e-02	207.68	-118.06	160.59	-70.97	-114.55
3	40	184	-0.17	-27.65	-27.65	-0.18	-0.46	1259.51	444.99	1248.82	455.69	-92.71
3	40	185	5.59e-02	-23.63	-23.63	5.44e-02	-0.19	-83.09	-1049.77	-1027.85	-105.01	143.90
3	40	187	14.48	-16.83	-14.80	12.46	7.71	99.64	-602.27	-588.09	85.45	-98.77
3	40	190	-10.66	-27.79	-22.26	-16.20	8.01	1068.76	-752.32	1018.63	-702.19	-297.94
3	40	213	7.30	-5.59	6.13	-4.41	-3.71	325.16	-230.44	324.56	-229.85	18.20
3	40	214	7.70	-14.80	-13.56	6.46	-5.15	63.23	-821.11	-808.59	50.71	104.45
3	40	215	-3.58	-34.40	-34.26	-3.72	-2.07	37.52	-1074.60	-1062.04	24.95	-117.54
3	40	216	0.77	-42.78	-42.77	0.77	-0.36	133.90	-165.47	-92.21	60.64	128.70
3	40	217	-2.47	-42.00	-41.94	-2.53	-1.54	973.13	-199.89	942.51	-169.27	-187.03
3	40	218	-2.20	-46.44	-46.39	-2.25	-1.52	62.00	-384.15	-372.55	50.40	-71.01
3	40	219	-4.61	-54.30	-54.29	-4.62	-0.61	142.67	45.01	108.00	79.68	-46.73
3	40	220	9.91	-0.58	9.91	-0.58	-5.32e-02	1187.30	-191.69	1142.75	-147.13	-243.83
3	40	221	77.65	0.34	77.58	0.41	2.31	73.46	-751.71	-748.36	70.11	-52.45
3	40	222	85.25	-1.03	84.70	-0.49	6.83	36.93	-1011.45	-986.73	12.21	-159.09
3	40	223	88.67	5.96	88.21	6.43	6.19	81.79	-256.18	-247.54	73.15	53.35
3	40	224	97.84	-2.85	97.60	-2.60	4.98	861.15	-232.21	778.80	-149.85	-288.55
3	40	225	134.42	12.19	133.01	13.60	13.06	87.91	-309.19	-300.56	79.28	-57.89
3	40	226	162.48	-10.90	162.48	-10.90	-0.29	966.67	-60.35	900.39	5.93	-252.34
3	40	227	122.52	7.62	121.20	8.93	-12.23	-23.25	-353.24	-353.05	-23.45	-8.04
3	40	228	88.05	9.17	87.62	9.60	-5.81	89.24	-517.94	-507.45	78.75	-79.11
3	40	235	70.97	-1.95	70.33	-1.31	-6.79	481.14	-166.53	435.27	-120.66	-166.15
3	40	236	59.38	0.91	58.98	1.32	-4.85	83.91	-596.00	-570.76	58.67	-128.54
3	40	237	43.92	0.13	43.78	0.27	-2.52	141.38	-39.31	51.24	50.83	-90.35
3	40	254	6.45	-1.76	6.24	-1.55	-1.30	1024.16	-125.77	993.82	-95.43	-184.31
3	40	255	0.66	-28.11	-28.08	0.64	-0.85	59.52	-781.78	-766.84	44.58	-111.12
3	40	256	-2.93	-23.75	-23.75	-2.93	9.87e-03	46.05	-931.24	-924.05	38.86	-83.53
3	40	257	-0.11	-24.01	-23.99	-0.13	0.67	1057.11	-120.79	1035.19	-98.87	-159.18
3	40	258	-5.91	-34.21	-34.15	-5.97	1.30	429.20	-2.82	383.92	42.46	-132.33
3	40	259	-0.85	-36.99	-36.99	-0.85	-9.70e-02	47.55	-429.65	-405.73	23.62	-104.14
3	40	260	-4.60	-37.93	-37.92	-4.60	-0.42	146.92	62.94	139.12	70.74	-24.37
3	40	261	-1.19	-33.29	-33.29	-1.19	-8.39e-02	1142.64	-166.78	1118.49	-142.64	-176.16
3	40	263	14.26	0.63	11.57	3.32	5.42	736.06	170.91	219.45	687.52	158.36
3	40	266	34.11	0.49	34.01	0.59	-1.87	1064.21	334.97	1057.89	341.30	-67.61
3	40	268	20.47	1.18	20.40	1.25	-1.16	-76.08	-217.21	-194.24	-99.05	52.10
3	40	271	-2.08	-34.99	-34.98	-2.08	0.45	67.54	-964.27	-962.78	66.04	39.27
3	40	309	-4.58	-36.08	-36.08	-4.59	0.42	14.65	-1257.88	-1256.54	13.31	41.25
3	40	310	8.88	-21.65	-20.94	8.18	4.58	161.56	-508.93	-502.83	155.45	-63.68
3	40	334	26.74	-1.13	26.63	-1.02	-1.77	1236.49	398.85	1229.08	406.26	78.45
3	40	341	2.78	-6.89	-6.05	1.93	-2.73	-28.48	-324.17	-248.92	-103.74	-128.80
3	40	342	2.58	-42.44	-42.43	2.56	-0.76	-53.96	-104.23	-77.84	-80.35	-25.11
3	40	346	1.95	-48.86	-48.29	1.38	5.36	1206.68	359.27	1184.58	381.37	-135.07

3	40	363	8.78	0.77	1.45	8.10	2.24	49.29	-303.31	2.00	-256.02	120.16
3	40	364	3.77	-8.40	1.50	-6.14	4.74	770.66	-548.77	754.81	-532.93	-143.71
3	40	371	2.99	-61.91	-61.26	2.34	6.46	-6.99	-934.20	-931.08	-10.10	-53.64
3	40	372	31.34	-1.53	31.33	-1.52	-0.60	-54.41	-764.50	-722.18	-96.74	-168.12
3	40	374	-2.93	-68.47	-67.90	-3.51	6.10	-107.43	-324.56	-322.81	-109.18	-19.42
3	40	382	-3.87	-84.15	-82.66	-5.36	10.83	-92.30	-473.41	-435.75	-129.96	-113.72
3	40	388	18.38	-87.40	-87.38	18.36	-1.54	253.74	157.30	210.66	200.38	-47.95
3	40	391	-2.37	-80.70	-79.05	-4.02	-11.24	-15.59	-805.24	-788.09	-32.74	-115.11
3	40	412	28.16	-2.41	28.13	-2.38	1.02	9.28	-223.63	-179.57	-34.79	-91.22
3	40	413	23.51	-2.78	-2.53	23.25	2.59	190.92	-1469.59	164.50	-1443.18	207.76
3	40	416	2.00	-24.15	-24.15	2.00	-0.10	-11.91	-425.63	-398.66	-38.89	-102.14
3	40	419	4.99	-45.36	-45.25	4.89	-2.27	921.36	319.60	915.53	325.43	-58.94
3	40	428	-7.09	-62.59	-62.50	-7.18	-2.24	-109.81	-276.92	-276.76	-109.96	-5.06
3	40	432	82.35	6.96	82.09	7.23	-4.48	49.45	-477.33	-411.46	-16.42	-174.23
3	40	434	3.60	-75.04	-74.77	3.32	4.65	1149.03	317.10	1145.07	321.06	57.26
3	40	452	26.65	1.49	26.64	1.50	0.45	-87.24	-1008.11	-1006.79	-88.56	-34.91
3	40	453	-1.25	-5.73	-1.38	-5.60	0.75	1304.33	-96.92	-69.68	1277.09	193.47
3	40	469	29.91	2.62	9.15	23.38	-11.64	882.41	123.53	473.54	532.40	-378.30
3	40	472	12.83	-1.97	8.45	2.41	-6.75	355.25	91.04	140.43	305.86	-103.01
3	40	475	5.18	-11.70	4.10	-10.62	-4.13	-5.74	-862.88	-853.72	-14.89	88.12
3	40	476	23.13	3.46	23.05	3.55	-1.29	32.89	-1070.20	-1068.45	31.13	-43.99
3	40	478	26.98	1.94	26.95	1.97	-0.87	42.89	-104.54	-102.68	41.04	-16.45
3	40	479	33.92	0.30	33.92	0.30	-7.51e-03	1243.97	-81.84	1241.74	-79.62	-54.26
3	40	480	50.50	2.92	50.37	3.06	-2.53	58.04	-244.55	-231.22	44.72	-62.09
3	40	481	8.00	3.75	7.92	3.82	-0.56	95.74	-138.51	-94.31	51.54	-91.65
3	40	484	4.33	-55.54	-55.25	4.04	4.14	1056.24	-92.10	1056.22	-92.08	5.08
3	40	485	-3.17e-02	-67.48	-66.77	-0.74	6.88	50.01	-528.33	-525.23	46.92	-42.19
3	40	494	68.79	0.42	68.72	0.48	2.10	-73.91	-817.86	-816.83	-74.93	27.60
3	40	498	20.83	-2.11e-02	0.65	20.16	3.67	185.07	-1366.20	162.50	-1343.63	185.76
3	40	499	35.77	2.39	3.97	34.19	-7.09	-360.62	-1859.28	-534.85	-1685.04	-480.38
3	40	502	-3.12	-22.32	-22.30	-3.15	-0.68	-20.90	-1283.89	-1282.37	-22.42	43.81
3	40	504	0.98	-72.32	-71.73	0.39	6.56	30.73	-977.84	-974.07	26.95	-61.58
3	40	505	-4.96	-77.53	-77.04	-5.45	5.96	38.20	-255.37	-244.07	26.90	-56.48
3	40	506	3.03	-81.87	-81.40	2.57	6.27	1154.17	-55.27	1144.74	-45.83	-106.39
3	40	507	-11.67	-119.62	-118.31	-12.97	11.78	72.75	-501.09	-483.52	55.18	-98.88
3	40	508	11.37	-117.94	-117.92	11.35	-1.75	124.80	-101.77	116.82	-93.78	-41.78
3	40	509	-8.98	-107.10	-105.48	-10.60	-12.49	78.35	-752.62	-752.62	78.34	1.71
3	40	510	10.39	-6.46	10.27	-6.33	-1.43	-85.13	-1051.45	-1051.43	-85.15	4.30
3	40	511	-7.33	-68.52	-68.47	-7.38	-1.79	22.69	-272.04	-249.55	0.20	-78.25
3	40	512	0.99	-52.73	-52.65	0.91	-2.10	870.10	-25.84	866.32	-22.05	-58.13
3	40	513	-0.22	-42.40	-41.95	-0.67	-4.33	63.16	-320.39	-280.27	23.04	-117.39
3	40	514	1.04	-31.06	-30.92	0.90	-2.12	234.17	-10.08	148.64	75.44	-116.51
3	40	515	7.18	0.88	6.45	1.62	-2.02	1140.30	-142.97	1134.08	-136.76	-89.09
3	40	516	37.52	-0.24	37.51	-0.23	-0.61	69.39	-691.55	-682.54	60.37	-82.34
3	40	517	33.04	2.69	33.03	2.70	0.28	61.78	-1020.67	-1007.51	48.62	-118.63
3	40	518	33.90	0.82	33.86	0.85	-1.10	916.62	-137.23	911.15	-131.77	-75.69
3	40	519	42.87	4.59	42.87	4.59	-5.67e-02	481.89	38.25	480.77	39.37	-22.29
3	40	520	42.46	0.93	42.46	0.94	0.54	46.99	-221.36	-197.84	23.47	-75.89
3	40	521	39.54	6.81	39.54	6.81	-0.45	478.17	31.58	449.80	59.95	-108.91
3	40	522	36.52	-1.22	36.52	-1.22	-0.18	1736.46	-169.40	1733.86	-166.79	-70.42
3	40	523	16.91	0.42	16.62	0.70	-2.15	-21.75	-1104.71	-1104.35	-22.11	19.93
3	40	542	34.16	4.58	34.14	4.60	-0.82	55.62	-470.99	-465.76	50.40	52.21
3	40	544	0.87	-29.45	-29.30	0.72	-2.16	167.79	-59.88	161.23	-53.32	-38.08
3	40	546	36.24	1.98	36.23	1.98	-0.40	34.14	-1343.75	-1341.86	32.26	50.94
3	40	550	13.14	-7.97	12.20	-7.04	4.34	-47.53	-1257.07	-1226.23	-78.37	-190.67
3	42	17	28.33	2.73	28.33	2.73	-9.78e-02	669.81	7.80	651.01	26.59	-109.94
3	42	60	22.61	4.11	22.58	4.14	-0.79	243.76	-117.71	242.24	-116.19	-23.39
3	42	61	24.47	-2.60	24.43	-2.56	1.00	1853.74	388.26	1800.67	441.32	-273.78
3	42	62	20.92	3.22	20.92	3.22	-0.13	-108.47	-370.21	-363.08	-115.60	-42.61
3	42	63	14.60	-2.33	14.59	-2.33	-0.19	-1.41	-1456.57	-1456.53	-1.45	-7.25
3	42	64	11.22	-4.85	11.12	-4.74	1.28	-169.32	-1535.38	-1532.44	-172.26	-63.30
3	42	67	30.72	3.33	11.51	22.54	12.54	1173.08	38.11	204.18	1007.01	401.13
3	42	68	-4.24	-19.72	-5.27	-18.69	3.87	533.73	-61.27	-35.90	508.36	-120.23
3	42	69	-1.47	-13.95	-1.99	-13.42	-2.50	1925.24	369.31	390.17	1904.38	-178.94
3	42	70	-3.59	-7.79	-3.65	-7.73	-0.50	578.21	-243.06	-239.02	574.17	-57.46
3	42	72	-4.67	-54.36	-53.84	-5.19	-5.09	-22.45	-350.86	-268.19	-105.12	-142.53
3	42	73	-1.03	-6.86	-1.20	-6.69	-0.98	2020.81	199.38	230.66	1989.53	-236.63
3	42	74	0.23	-6.05	0.23	-6.05	0.13	289.44	-4.63	26.14	258.66	-90.02
3	42	75	4.21	-7.77	4.21	-7.77	0.23	250.31	-48.14	-4.48	206.65	-105.47
3	42	76	2.35	-6.44	2.34	-6.43	-0.27	1312.06	-221.02	-174.68	1265.72	262.50
3	42	94	9.08	-1.33	3.31e-02	7.71	-3.51	17.11	-288.19	-5.81	-265.26	-80.46
3	42	95	5.48	-2.70	-0.51	3.30	-3.62	-5.11	-283.65	-11.99	-276.78	-43.23
3	42	96	9.00	0.18	1.19	7.99	2.81	38.61	-269.00	23.82	-254.20	65.82
3	42	98	22.30	-1.86	-1.77	22.22	-1.42	135.64	-595.25	116.68	-576.29	-116.17
3	42	99	16.11	1.28	1.65	15.75	-2.31	91.32	-474.52	83.72	-466.92	-65.15
3	42	102	29.04	-1.69	-1.60	28.95	1.67	-13.01	-580.80	-419.91	-173.90	255.86
3	42	104	38.43	3.28	37.86	3.85	-4.44	-28.78	-565.49	-538.81	-55.46	-116.66
3	42	105	27.75	-3.61	-3.29	27.44	-3.15	-489.99	-1667.07	-592.43	-1564.63	-331.80
3	42	106	7.69e-02	-73.07	-72.45	-0.54	6.69	-70.71	-309.10	-257.94	-121.87	-97.87
3	42	112	33.82	1.65	3.25	32.22	6.99	-48.21	-697.89	-338.43	-407.68	322.99

3	42	114	-11.75	-27.06	-23.27	-15.54	-6.61	822.92	-335.26	707.36	-219.70	347.11
3	42	137	15.50	-19.28	-16.32	12.54	-9.70	28.34	-501.40	-479.90	6.84	104.55
3	42	138	-3.22	-24.55	-24.51	-3.26	-0.91	-1.92	-1091.39	-1090.44	-2.86	-32.10
3	42	139	1.39	-28.27	-28.26	1.37	-0.60	-68.63	-617.20	-617.18	-68.66	3.89
3	42	140	-1.56	-39.70	-39.64	-1.63	1.61	1082.66	285.26	1051.61	316.31	-154.26
3	42	141	-0.43	-49.81	-49.65	-0.59	-2.81	-85.17	-158.34	-157.71	-85.81	-6.79
3	42	142	-9.11e-02	-5.39	-5.31	-0.17	-0.65	-13.84	-245.54	-160.58	-98.79	-111.65
3	42	143	44.79	-0.78	44.74	-0.73	-1.48	1147.91	345.31	1144.36	348.87	53.32
3	42	145	56.16	-1.13	55.48	-0.44	6.23	-28.37	-1073.53	-1067.18	-34.73	-81.27
3	42	146	62.98	2.91	62.37	3.52	5.99	-47.25	-574.68	-560.06	-61.87	-86.59
3	42	147	71.80	-4.44	71.38	-4.01	5.67	1040.87	235.82	978.05	298.63	-215.93
3	42	148	87.24	5.42	85.29	7.37	12.49	-71.90	-270.45	-219.58	-122.76	-86.67
3	42	149	80.11	-22.39	80.07	-22.35	-2.08	931.53	224.31	922.16	233.68	-80.85
3	42	150	82.57	5.83	80.33	8.08	-12.94	-76.73	-258.62	-231.82	-103.53	-64.47
3	42	151	45.64	-5.30	45.05	-4.70	-5.47	504.12	185.28	460.03	229.37	-110.07
3	42	173	0.75	-8.73	-8.63	0.65	-0.95	1192.56	306.47	1136.44	362.59	-215.82
3	42	176	30.27	-7.10e-02	30.18	2.19e-02	-1.68	77.96	-253.70	-65.44	-110.31	-164.31
3	42	177	-0.67	-7.24	-6.85	-1.06	-1.55	1156.33	393.48	1147.81	402.00	-80.18
3	42	178	1.95	-34.31	-34.30	1.94	-0.61	-108.12	-705.59	-702.99	-110.71	-39.31
3	42	179	-2.19	-26.33	-26.32	-2.20	0.53	-57.31	-1022.95	-986.14	-94.11	-184.90
3	42	180	-0.27	-35.24	-35.24	-0.27	0.24	1134.15	385.66	1117.19	402.62	-111.39
3	42	181	-5.62	-39.33	-39.23	-5.72	1.86	445.28	2.65	434.30	13.62	-68.82
3	42	183	-3.22	-34.65	-34.65	-3.22	-0.13	94.39	-184.89	-3.54	-86.95	-133.27
3	42	184	-0.21	-33.48	-33.46	-0.23	-0.79	1232.58	452.82	1232.57	452.83	-1.93
3	42	185	0.17	-29.64	-29.64	0.17	-6.49e-02	-94.82	-920.19	-903.61	-111.41	115.82
3	42	187	14.35	-17.93	-15.97	12.39	7.70	81.47	-840.05	-818.05	59.47	-140.67
3	42	190	-10.78	-26.58	-22.38	-14.98	6.97	770.38	-755.39	752.16	-737.17	-165.75
3	42	213	8.45	-6.55	6.75	-4.85	-4.76	620.90	-254.74	582.12	-215.96	180.15
3	42	214	9.81	-18.71	-17.44	8.54	-5.88	85.92	-505.80	-501.06	81.19	52.70
3	42	215	-3.38	-33.40	-33.28	-3.49	-1.84	21.03	-1072.98	-1072.06	20.11	-31.62
3	42	216	-7.77e-03	-34.82	-34.82	-8.00e-03	-8.81e-02	69.59	-388.97	-376.30	56.91	75.17
3	42	217	-2.59	-44.03	-43.96	-2.66	-1.64	1013.97	-158.35	1013.97	-158.35	-0.69
3	42	218	-1.38	-59.98	-59.93	-1.43	-1.72	78.11	-210.57	-190.58	58.12	-73.29
3	42	219	-6.25	-68.87	-68.86	-6.26	-0.73	71.41	-145.89	-135.60	61.12	-46.15
3	42	220	-0.38	-5.93	-5.92	-0.38	-0.12	1066.28	-159.39	1063.53	-156.65	-57.92
3	42	221	58.92	1.28	58.84	1.36	2.17	80.26	-491.38	-469.14	58.02	-110.55
3	42	222	66.51	-1.05	65.86	-0.40	6.59	23.61	-993.42	-988.80	18.99	-68.40
3	42	223	70.72	4.51	70.15	5.08	6.13	63.47	-524.93	-524.74	63.28	-10.42
3	42	224	78.79	-2.61	78.48	-2.31	4.96	803.70	-139.63	797.15	-133.08	-78.32
3	42	225	111.21	10.67	109.69	12.19	12.28	113.43	-247.69	-203.91	69.65	-117.87
3	42	226	135.63	-10.87	135.62	-10.85	-1.43	907.82	-32.63	900.34	-25.14	-83.57
3	42	227	96.03	8.54	94.23	10.34	-12.41	8.18	-270.67	-258.54	-3.95	-56.88
3	42	228	64.79	6.77	64.28	7.29	-5.43	87.72	-574.61	-564.65	77.76	-80.61
3	42	235	51.74	-1.40	51.00	-0.65	-6.25	395.96	-138.90	384.06	-127.00	-78.90
3	42	236	42.36	-0.14	41.94	0.28	-4.18	93.54	-590.73	-557.89	60.70	-146.25
3	42	237	30.11	-0.65	29.96	-0.50	-2.13	85.74	-119.96	-71.33	37.11	-87.40
3	42	254	-1.22	-6.42	-6.15	-1.49	-1.15	1000.07	-111.84	989.25	-101.02	-109.16
3	42	255	0.56	-39.94	-39.92	0.55	-0.73	65.70	-689.30	-666.48	42.89	-129.24
3	42	256	-3.36	-33.51	-33.51	-3.36	-4.42e-02	54.77	-987.96	-977.89	44.70	-101.98
3	42	257	0.15	-31.93	-31.92	0.14	0.41	1026.01	-99.25	1020.12	-93.36	-81.21
3	42	258	-6.57	-42.38	-42.30	-6.64	1.64	560.21	22.97	525.42	57.76	-132.22
3	42	259	-0.76	-44.71	-44.71	-0.76	0.23	35.53	-386.61	-374.61	23.53	-70.16
3	42	260	-5.26	-44.17	-44.16	-5.27	-0.50	87.60	-7.70	17.11	62.79	-41.82
3	42	261	-1.18	-39.26	-39.26	-1.18	-0.42	1128.49	-147.66	1122.26	-141.43	-88.99
3	42	263	14.63	0.36	11.37	3.62	5.99	674.66	33.62	39.16	669.12	59.31
3	42	266	23.85	0.32	23.73	0.44	-1.69	1147.41	331.78	1117.44	361.75	-153.44
3	42	268	28.52	0.52	28.41	0.64	-1.80	-83.85	-552.35	-529.67	-106.52	100.55
3	42	271	-1.81	-41.13	-41.12	-1.82	0.57	57.03	-845.15	-844.97	56.85	12.84
3	42	309	-4.50	-41.25	-41.22	-4.54	1.14	28.03	-1315.80	-1309.99	22.22	88.16
3	42	310	7.83	-24.06	-23.39	7.15	4.58	145.45	-735.20	-722.68	132.94	-104.23
3	42	334	27.65	-1.12	27.56	-1.03	-1.59	1279.25	389.08	1265.70	402.63	-108.99
3	42	341	2.88	-16.06	-15.79	2.61	-2.25	123.78	-167.72	19.91	-63.85	-139.60
3	42	342	1.95	-53.60	-53.60	1.95	-0.19	-141.69	-416.20	-413.78	-144.11	25.68
3	42	346	1.37	-62.93	-62.45	0.89	5.54	1258.13	252.66	1121.18	389.62	-344.88
3	42	363	7.81	-5.25e-03	0.85	6.95	2.44	66.21	-300.59	21.37	-255.75	120.15
3	42	364	2.89	-6.96	0.80	-4.87	4.03	579.18	-555.74	577.37	-553.93	-45.34
3	42	371	2.94	-77.61	-77.05	2.38	6.70	24.47	-949.94	-933.72	8.25	-124.67
3	42	372	18.93	-1.72	18.91	-1.70	-0.66	-41.95	-644.87	-593.89	-92.93	-167.75
3	42	374	-3.86	-83.39	-82.91	-4.34	6.17	-124.05	-661.36	-658.56	-126.85	38.70
3	42	382	-4.72	-103.85	-102.48	-6.09	11.58	-124.04	-350.10	-333.93	-140.21	-58.25
3	42	388	18.38	-112.04	-112.04	18.38	-0.30	406.50	-28.51	205.83	172.16	-216.85
3	42	391	-1.57	-107.09	-105.94	-2.72	-10.94	-4.03	-678.17	-671.79	-10.41	-65.27
3	42	412	19.68	-1.99	19.66	-1.96	0.71	48.02	-225.52	-143.55	-33.96	-125.32
3	42	413	24.62	-2.56	-2.26	24.33	2.84	148.29	-1634.03	124.59	-1610.33	204.16
3	42	416	2.07	-31.29	-31.29	2.07	0.23	-23.57	-377.51	-363.07	-38.01	-70.03
3	42	419	5.95	-62.99	-62.88	5.83	-2.80	898.64	279.71	860.00	318.35	-149.75
3	42	428	-8.95	-83.43	-83.34	-9.05	-2.66	-125.32	-430.59	-430.52	-125.39	-4.68
3	42	432	61.08	5.03	60.78	5.33	-4.09	21.05	-616.24	-563.59	-31.61	-175.45
3	42	434	3.76	-92.53	-92.29	3.53	4.72	1159.85	303.09	1129.23	333.71	-159.05
3	42	452	16.83	1.20	16.82	1.21	0.42	-85.69	-1083.42	-1082.31	-86.80	-33.25

3	42	453	-1.04	-7.14	-1.09	-7.10	0.55	1470.76	-135.20	-110.53	1446.09	197.53
3	42	469	26.11	3.50	7.81	21.80	-8.89	1321.44	109.58	870.79	560.23	-585.69
3	42	472	11.89	-0.40	8.76	2.72	-5.35	618.12	93.03	396.03	315.12	-259.41
3	42	475	1.47	-9.40	0.36	-8.29	-3.29	43.52	-586.04	-556.13	13.62	133.91
3	42	476	24.41	3.63	24.22	3.82	-1.99	41.50	-1102.14	-1087.06	26.42	-130.45
3	42	478	36.00	1.06	35.93	1.12	-1.50	53.07	-390.98	-388.55	50.64	32.76
3	42	479	34.29	0.28	34.29	0.28	0.17	1360.94	-113.27	1322.19	-74.52	-235.83
3	42	480	39.47	4.06	39.36	4.17	-2.04	97.44	-97.30	-64.24	64.38	-73.11
3	42	481	2.90	-4.75	-4.75	2.90	5.99e-03	19.50	-317.03	-311.39	13.86	-43.20
3	42	484	3.00	-71.00	-70.75	2.74	4.33	1116.69	-82.98	1089.30	-55.58	-179.20
3	42	485	0.63	-85.73	-85.15	4.83e-02	7.05	22.72	-228.59	-227.20	21.33	-18.64
3	42	494	50.91	0.42	50.84	0.49	1.95	-76.38	-512.11	-509.83	-78.65	-31.40
3	42	498	21.63	0.11	0.87	20.87	3.99	135.48	-1509.40	120.37	-1494.29	156.96
3	42	499	38.43	2.21	3.95	36.70	-7.73	-265.85	-1619.34	-397.25	-1487.95	-400.72
3	42	502	-3.14	-26.93	-26.93	-3.14	4.56e-02	-7.61	-1339.06	-1333.45	-13.22	86.26
3	42	504	1.07	-90.13	-89.63	0.56	6.79	62.39	-1009.12	-989.65	42.92	-143.11
3	42	505	-6.30	-94.70	-94.29	-6.72	6.04	13.86	-520.67	-520.67	13.85	1.88
3	42	506	3.24	-100.15	-99.76	2.85	6.34	1240.40	-107.09	1160.73	-27.42	-317.81
3	42	507	-13.08	-141.93	-140.70	-14.31	12.54	48.47	-387.55	-383.70	44.62	-40.77
3	42	508	11.31	-143.88	-143.88	11.31	-0.51	244.03	-246.87	121.24	-124.08	-212.61
3	42	509	-7.87	-133.23	-132.04	-9.07	-12.20	100.45	-661.10	-657.98	97.33	48.62
3	42	510	6.16	-4.19	6.12	-4.16	-0.60	-50.82	-735.42	-730.75	-55.49	56.34
3	42	511	-9.64	-91.65	-91.59	-9.70	-2.21	17.36	-329.30	-311.03	-0.90	-77.45
3	42	512	1.63	-71.74	-71.65	1.53	-2.63	837.95	-53.92	812.62	-28.58	-148.17
3	42	513	-1.29	-59.34	-58.93	-1.70	-4.88	65.45	-308.19	-267.98	25.24	-115.78
3	42	514	0.21	-45.06	-44.94	8.52e-02	-2.35	181.23	-95.33	24.28	61.62	-137.02
3	42	515	2.46	-6.76	-6.24	1.95	-2.11	1150.74	-163.88	1129.24	-142.38	-166.74
3	42	516	25.28	-0.40	25.26	-0.38	-0.67	69.12	-592.06	-581.60	58.67	-82.49
3	42	517	22.72	2.29	22.71	2.29	0.25	63.51	-1071.44	-1062.42	54.49	-100.79
3	42	518	24.94	1.00	24.91	1.04	-0.91	919.06	-149.66	895.67	-126.27	-156.37
3	42	519	33.04	3.80	33.04	3.80	-0.30	626.28	52.13	623.66	54.75	-38.68
3	42	520	33.03	1.13	33.03	1.13	0.23	75.15	-218.12	-166.29	23.33	-111.86
3	42	521	31.96	5.91	31.96	5.92	-0.39	354.70	23.75	326.40	52.04	-92.55
3	42	522	29.63	-1.21	29.63	-1.21	-1.13e-02	1751.92	-179.65	1738.57	-166.30	-160.02
3	42	523	17.88	0.45	17.40	0.93	-2.85	-23.24	-1123.30	-1120.05	-26.49	-59.67
3	42	542	26.90	4.65	26.87	4.68	-0.83	56.42	-358.39	-343.41	41.44	77.39
3	42	544	0.10	-43.09	-42.95	-3.19e-02	-2.39	25.48	-111.62	-9.66	-76.49	-59.86
3	42	546	29.91	2.33	29.85	2.38	-1.25	40.96	-1390.86	-1390.86	40.95	2.59
3	42	550	9.57	-9.06	8.69	-8.18	3.96	-84.34	-1464.13	-1446.95	-101.52	-152.99
3	66	17	4.87e-02	-2.02	-2.02	4.58e-02	7.63e-02	665.80	36.76	663.34	39.22	-39.27
3	66	60	0.87	-0.58	-0.36	0.64	-0.52	79.51	-123.98	66.96	-111.42	48.95
3	66	61	-0.26	-1.69	-0.97	-0.98	0.71	1593.85	409.15	1558.90	444.09	-200.43
3	66	62	0.93	-2.73	-2.63	0.83	0.59	-107.41	-540.85	-531.43	-116.82	-63.18
3	66	63	-1.35	-4.25	-4.22	-1.38	0.29	0.44	-1431.32	-1429.00	-1.88	-57.57
3	66	64	4.35	-2.04	-4.52e-02	2.35	-2.96	-84.78	-1342.48	-1341.31	-85.94	38.27
3	66	67	8.57	-4.96	-3.33	6.93	4.41	533.01	47.53	305.12	275.42	242.29
3	66	68	1.16	-1.02	-0.56	0.70	-0.89	202.04	-393.30	-232.49	41.23	-264.34
3	66	69	8.47	-0.37	-0.10	8.21	1.51	531.73	118.77	120.91	529.60	29.61
3	66	70	7.52	-1.60	-1.38	7.30	-1.41	192.42	-471.32	-407.11	128.21	-196.20
3	66	72	-1.39	-20.02	-19.96	-1.46	-1.13	-78.46	-364.10	-361.19	-81.36	-28.65
3	66	73	7.59	-3.02	-3.02	7.59	0.16	541.41	-52.49	-50.31	539.23	-35.92
3	66	74	5.96	-0.97	-0.91	5.90	0.63	82.93	-128.13	80.77	-125.97	-21.24
3	66	75	3.88	1.80	3.12	2.56	1.00	62.65	-67.97	51.48	-56.80	-36.52
3	66	76	5.00	1.53	3.12	3.41	-1.73	80.89	-124.99	-68.71	24.61	91.76
3	66	94	7.84	0.48	0.54	7.78	-0.65	-7.65	-309.35	-8.73	-308.27	-18.00
3	66	95	4.52	5.12e-03	0.14	4.39	-0.77	-13.36	-323.03	-13.97	-322.42	-13.75
3	66	96	5.58	-0.58	-0.47	5.47	0.81	30.41	-255.48	29.91	-254.97	12.01
3	66	98	10.77	-1.18	-1.12	10.71	-0.85	96.16	-182.47	93.12	-179.44	-28.93
3	66	99	7.78	2.14	2.62	7.31	-1.56	56.82	-100.36	56.49	-100.03	7.21
3	66	102	16.50	-1.10	-1.08	16.49	0.51	271.94	-484.52	-408.50	195.92	227.44
3	66	104	-0.45	-9.94	-9.92	-0.47	-0.36	-72.45	-407.57	-407.36	-72.66	-8.51
3	66	105	13.17	-3.03	-2.87	13.01	-1.56	40.52	-213.99	-200.20	26.73	-57.62
3	66	106	2.62e-02	-24.36	-24.31	-1.49e-02	1.00	-106.14	-233.96	-221.42	-118.68	-38.02
3	66	112	16.39	1.59	2.21	15.77	2.96	200.87	-462.28	-295.80	34.39	287.55
3	66	114	-1.58	-14.25	-14.16	-1.67	-1.05	1214.73	-160.49	950.72	103.52	541.64
3	66	137	9.03	-10.48	-8.43	6.98	-5.99	-9.90	-450.84	-449.55	-11.20	23.86
3	66	138	-1.42	-8.53	-8.51	-1.44	0.33	-9.73	-1115.62	-1109.86	-15.49	79.62
3	66	139	-0.35	-5.93	-5.89	-0.39	-0.50	-85.78	-658.55	-653.69	-90.64	-52.53
3	66	140	-3.70e-02	-11.62	-11.45	-0.21	1.41	1235.66	348.51	1232.49	351.68	52.88
3	66	141	0.19	-16.87	-16.79	0.12	-1.15	52.75	-86.92	34.96	-69.13	46.56
3	66	142	-0.86	-8.38	-8.37	-0.87	-0.27	-113.90	-431.16	-420.34	-124.72	-57.57
3	66	143	0.40	-4.91	-4.64	0.13	-1.17	1163.87	259.99	1085.21	338.65	254.78
3	66	145	8.83e-02	-6.04	-5.96	5.45e-03	0.71	-15.04	-1012.53	-1010.90	-16.67	40.27
3	66	146	-4.81e-02	-3.92	-3.76	-0.20	0.76	-74.65	-764.72	-745.79	-93.58	-112.72
3	66	147	-0.35	-4.62	-4.26	-0.71	1.18	1032.32	311.18	1031.11	312.40	29.55
3	66	148	2.30	-3.12	-2.26	1.44	1.98	-102.12	-254.16	-222.02	-134.27	-62.08
3	66	149	-4.89	-12.58	-12.16	-5.30	-1.74	645.25	172.54	617.48	200.31	111.15
3	66	150	4.58	-11.84	-11.33	4.08	-2.84	-50.55	-365.65	-361.59	-54.61	-35.55
3	66	151	0.25	-9.53	-9.53	0.25	-0.21	611.08	261.37	608.09	264.36	32.20
3	66	173	-8.38e-02	-10.81	-10.81	-8.47e-02	0.10	1154.57	352.69	1133.10	374.17	-129.46

3	66	176	-0.44	-8.63	-8.63	-0.45	0.14	-62.63	-200.59	-157.14	-106.08	-64.08
3	66	177	-0.35	-15.27	-15.26	-0.36	-0.51	1142.14	374.48	1134.95	381.68	73.98
3	66	178	0.49	-19.02	-19.02	0.49	-4.17e-02	-97.47	-604.32	-600.49	-101.30	43.88
3	66	179	-0.72	-15.24	-15.22	-0.74	0.45	-79.79	-1071.21	-1060.46	-90.54	-102.65
3	66	180	-0.22	-17.39	-17.39	-0.22	8.63e-02	1146.61	392.87	1145.13	394.35	33.39
3	66	181	-1.97	-17.82	-17.80	-2.00	0.62	624.90	36.45	624.82	36.53	7.01
3	66	183	-0.81	-13.00	-12.99	-0.82	0.19	52.08	-135.71	22.75	-106.38	-68.18
3	66	184	-0.39	-13.67	-13.64	-0.41	-0.58	1478.78	424.84	1456.60	447.02	151.28
3	66	185	0.13	-13.53	-13.51	0.11	-0.47	-105.11	-635.48	-624.58	-116.01	75.25
3	66	187	6.03	-7.83	-6.23	4.42	4.44	-42.52	-1217.91	-1213.55	-46.87	-71.39
3	66	190	1.02	-7.83	-7.71	0.90	-1.02	495.33	-95.45	409.40	-9.53	-208.27
3	66	213	6.32	-2.48	6.18	-2.35	-1.08	709.82	-90.62	617.73	1.47	255.41
3	66	214	2.47	-11.25	-10.83	2.05	-2.35	65.70	-386.27	-382.90	62.33	-38.90
3	66	215	-0.21	-10.71	-10.68	-0.24	-0.54	26.60	-1086.29	-1080.76	21.07	78.25
3	66	216	-0.89	-7.00	-7.00	-0.89	-5.87e-02	50.30	-509.09	-508.73	49.94	14.23
3	66	217	-0.12	-12.11	-11.90	-0.34	-1.60	1199.81	-142.14	1172.94	-115.27	187.98
3	66	218	0.20	-19.02	-19.02	0.20	-0.15	63.22	-54.89	-51.31	59.63	-20.26
3	66	219	-2.28	-21.29	-21.28	-2.29	-0.43	38.19	-333.00	-332.86	38.04	7.40
3	66	220	0.21	-13.10	-13.10	0.21	0.20	1012.05	-143.67	996.21	-127.83	134.35
3	66	221	0.52	-6.17	-6.16	0.52	0.14	70.08	-273.67	-243.63	40.04	-97.08
3	66	222	0.38	-5.28	-5.11	0.21	0.97	33.08	-987.59	-983.97	29.46	60.70
3	66	223	-0.19	-4.82	-4.64	-0.38	0.91	42.31	-645.94	-643.83	40.20	-38.02
3	66	224	1.83e-02	-3.30	-3.30	1.58e-02	9.15e-02	988.71	-109.84	959.03	-80.16	178.10
3	66	225	1.26	-4.82	-4.36	0.79	1.62	78.19	-257.32	-234.09	54.97	-85.16
3	66	226	6.47	-1.77	6.30	-1.60	-1.17	595.59	-98.03	576.49	-78.94	113.48
3	66	227	3.33	-13.67	-13.37	3.04	-2.22	57.90	-398.98	-386.81	45.72	-73.58
3	66	228	-1.19	-13.18	-13.15	-1.22	-0.60	44.85	-486.60	-486.07	44.32	-16.75
3	66	235	0.56	-11.04	-10.98	0.50	-0.84	548.14	-94.06	543.72	-89.65	53.07
3	66	236	-0.98	-9.74	-9.73	-0.99	-0.21	51.57	-435.84	-431.62	47.35	-45.17
3	66	237	-0.81	-9.71	-9.71	-0.81	-0.25	42.64	-83.59	-82.26	41.31	12.89
3	66	254	5.70e-02	-13.85	-13.85	5.68e-02	5.13e-02	1049.61	-122.19	1048.40	-120.99	37.58
3	66	255	3.65e-02	-20.85	-20.85	3.54e-02	-0.15	51.07	-589.01	-586.84	48.91	-37.16
3	66	256	-1.00	-17.39	-17.39	-1.00	4.48e-02	51.80	-1038.22	-1037.84	51.42	-20.38
3	66	257	0.27	-14.52	-14.51	0.27	-6.44e-02	963.98	-107.36	961.47	-104.85	51.81
3	66	258	-1.94	-17.16	-17.13	-1.97	0.61	634.06	58.16	628.58	63.65	-55.95
3	66	259	-4.38e-02	-17.39	-17.39	-5.06e-02	0.34	24.12	-276.08	-274.96	22.99	18.34
3	66	260	-1.46	-15.86	-15.86	-1.46	-0.14	92.24	52.10	89.42	54.92	10.27
3	66	261	-0.20	-13.64	-13.64	-0.20	-3.83e-02	1376.88	-145.12	1375.02	-143.26	53.19
3	66	263	7.09	-9.31e-02	6.61	0.38	1.78	185.25	157.04	182.58	159.70	8.25
3	66	266	-0.15	-3.23	-3.18	-0.21	-0.42	1152.17	377.42	1143.43	386.16	-81.80
3	66	268	6.16	-0.63	6.04	-0.51	-0.89	-85.80	-639.17	-630.16	-94.81	70.02
3	66	271	-9.07e-02	-16.09	-16.09	-9.25e-02	0.17	48.97	-587.81	-586.02	47.18	-33.68
3	66	309	-0.54	-15.75	-15.73	-0.57	0.63	37.32	-1367.60	-1364.11	33.82	70.03
3	66	310	0.12	-12.82	-12.67	-3.38e-02	1.38	27.12	-1116.45	-1116.36	27.03	-10.30
3	66	334	3.72	-0.41	3.46	-0.15	-1.00	1286.31	355.91	1278.27	363.95	-86.15
3	66	341	0.68	-7.99	-7.98	0.67	-0.25	112.02	-97.77	67.47	-53.21	-85.80
3	66	342	-8.16e-02	-13.57	-13.56	-8.49e-02	0.21	-130.31	-488.52	-465.03	-153.81	88.68
3	66	346	-0.14	-19.19	-19.04	-0.29	1.70	1229.39	245.45	1110.72	364.12	-320.44
3	66	363	6.52	-0.42	-0.39	6.49	0.46	28.49	-257.61	27.07	-256.18	20.16
3	66	364	5.18	-1.42	5.18	-1.42	-0.12	275.28	-39.70	275.08	-39.50	-7.83
3	66	371	0.47	-23.69	-23.63	0.41	1.22	5.33	-989.61	-984.56	0.28	-70.67
3	66	372	-0.19	-6.30	-6.30	-0.19	-0.13	-84.83	-594.29	-580.77	-98.35	-81.88
3	66	374	-1.17	-23.39	-23.34	-1.23	1.11	-94.96	-782.04	-768.55	-108.44	95.31
3	66	382	-0.47	-28.34	-28.22	-0.59	1.83	-129.26	-247.42	-238.60	-138.09	31.07
3	66	388	1.44	-38.79	-38.76	1.41	1.10	577.50	117.24	504.05	190.70	-168.56
3	66	391	2.25	-36.40	-36.38	2.23	-0.84	-39.57	-437.25	-437.07	-39.75	8.46
3	66	412	-0.16	-2.32	-2.32	-0.16	-3.18e-02	-19.24	-233.47	-217.16	-35.54	-56.81
3	66	413	11.79	-0.70	-0.58	11.67	1.21	17.79	-274.96	12.39	-269.57	39.36
3	66	416	0.45	-13.79	-13.78	0.45	0.35	-34.08	-258.74	-256.53	-36.29	22.18
3	66	419	1.56	-23.02	-22.98	1.53	-0.92	688.61	261.62	671.88	278.34	-82.84
3	66	428	-3.30	-29.40	-29.31	-3.40	-1.56	-83.45	-561.38	-551.21	-93.63	68.99
3	66	432	-1.78	-10.33	-10.29	-1.82	0.60	-57.20	-593.27	-571.97	-78.50	-104.72
3	66	434	0.50	-26.58	-26.57	0.49	0.46	1068.82	306.84	1055.53	320.12	-99.74
3	66	452	6.57e-02	-4.53	-4.53	6.52e-02	4.81e-02	-84.64	-1080.86	-1076.74	-88.76	63.93
3	66	453	5.09	-0.32	-0.23	5.00	-0.68	237.02	-29.68	-26.66	234.00	28.20
3	66	469	6.52	-6.48	-5.98	6.02	-2.49	1305.56	-50.12	984.51	270.92	-576.34
3	66	472	6.73	1.11	6.60	1.24	-0.86	693.79	7.08	574.77	126.09	-259.93
3	66	475	-2.31	-7.44	-7.37	-2.37	0.57	57.76	-420.19	-409.80	47.37	69.68
3	66	476	1.38	-0.31	6.25e-02	1.01	-0.70	30.93	-1096.04	-1086.57	21.46	-102.87
3	66	478	7.15	-0.65	7.10	-0.60	-0.62	60.01	-503.12	-503.10	59.99	3.56
3	66	479	4.45	-0.14	4.26	4.49e-02	0.91	1276.86	-141.51	1241.73	-106.38	-220.44
3	66	480	1.28	0.92	0.98	1.23	-0.13	75.66	-43.47	-39.82	72.00	-20.54
3	66	481	2.14e-03	-6.69	-6.67	-1.39e-02	0.33	12.10	-335.57	-334.61	11.14	18.21
3	66	484	-0.50	-21.04	-21.03	-0.51	0.44	1117.46	-91.72	1097.46	-71.73	-154.20
3	66	485	0.52	-26.09	-26.02	0.46	1.29	32.01	-200.83	-192.82	23.99	42.45
3	66	494	-2.17e-04	-7.71	-7.71	-4.06e-04	3.83e-02	-90.95	-268.53	-265.97	-93.52	-21.17
3	66	498	8.82	1.69	2.50	8.00	2.27	-16.09	-254.55	-17.66	-252.98	-19.28
3	66	499	15.52	-0.55	0.20	14.77	-3.40	88.63	-165.76	-10.12	-67.02	-123.97
3	66	502	-1.36	-12.44	-12.42	-1.38	-0.48	-0.67	-1407.68	-1404.12	-4.23	70.71
3	66	504	0.22	-26.20	-26.14	0.17	1.21	48.18	-1006.15	-998.11	40.14	-91.71

3	66	505	-1.90	-26.51	-26.47	-1.93	0.96	29.09	-646.73	-645.42	27.78	29.68
3	66	506	0.92	-27.77	-27.67	0.81	1.73	1071.66	-114.88	1017.52	-60.75	-247.60
3	66	507	-3.30	-40.60	-40.41	-3.50	2.69	59.06	-270.27	-261.38	50.18	53.36
3	66	508	2.26	-32.61	-32.59	2.24	0.74	497.92	-143.44	451.60	-97.13	-166.01
3	66	509	-0.52	-45.60	-45.51	-0.61	-1.98	72.93	-460.76	-451.44	63.62	69.89
3	66	510	3.45	-5.95	-4.47	1.97	3.42	-23.39	-504.42	-504.37	-23.44	4.61
3	66	511	-3.07	-33.12	-33.09	-3.10	-0.95	31.18	-443.68	-443.36	30.86	-12.22
3	66	512	0.64	-25.29	-25.28	0.63	-0.53	625.15	-84.27	612.92	-72.04	-92.33
3	66	513	-0.91	-21.13	-21.08	-0.97	-1.05	40.90	-380.95	-380.95	40.90	-0.24
3	66	514	-0.27	-16.30	-16.26	-0.30	-0.74	59.30	-83.28	-69.57	45.59	-42.04
3	66	515	0.61	-8.88	-8.79	0.52	-0.88	1077.85	-134.19	1071.79	-128.12	-85.50
3	66	516	4.45e-02	-4.94	-4.94	4.02e-02	-0.15	51.80	-570.64	-570.44	51.60	11.11
3	66	517	0.16	-3.77	-3.77	0.16	-3.53e-02	53.34	-1052.63	-1052.41	53.12	-15.54
3	66	518	0.36	-1.45	-1.41	0.32	0.27	946.15	-118.39	938.12	-110.36	-92.10
3	66	519	0.37	-0.45	-0.44	0.35	-0.10	649.49	60.63	647.30	62.82	35.85
3	66	520	0.47	-0.59	-0.47	0.35	-0.34	32.10	-246.46	-237.45	23.09	-49.28
3	66	521	0.81	0.32	0.45	0.68	-0.21	154.77	42.03	143.74	53.06	-33.50
3	66	522	1.33	-0.28	1.32	-0.26	-0.14	1491.13	-151.88	1485.69	-146.43	-94.42
3	66	523	1.18	-1.88	-0.38	-0.32	-1.53	-12.25	-1124.61	-1117.11	-19.76	-91.04
3	66	542	1.18	-2.50	-2.49	1.17	-0.13	48.70	-503.46	-499.08	44.33	48.93
3	66	544	-0.18	-15.58	-15.53	-0.23	-0.83	-83.53	-166.67	-149.97	-100.23	33.31
3	66	546	0.96	-1.52	-1.26	0.71	-0.75	39.43	-1384.87	-1382.81	37.37	-54.16
3	66	550	-1.71	-6.16	-6.15	-1.72	-0.21	-12.09	-1247.77	-1246.97	-12.89	-31.41
3	74	17	15.17	1.60	15.17	1.60	2.99e-02	559.35	10.10	551.27	18.18	-66.11
3	74	60	12.25	2.38	12.22	2.41	-0.52	225.35	-106.29	224.89	-105.84	12.25
3	74	61	12.68	-1.68	12.64	-1.64	0.75	1704.82	416.40	1676.96	444.26	-187.41
3	74	62	10.45	1.90	10.45	1.90	0.23	-103.62	-523.77	-514.36	-113.03	-62.17
3	74	63	6.17	-1.87	6.16	-1.86	0.31	-5.98	-1418.79	-1418.69	-6.08	-11.64
3	74	64	5.58	-1.01	5.45	-0.88	-0.94	-114.71	-1320.52	-1320.10	-115.13	-22.56
3	74	67	18.01	-0.65	3.57	13.79	7.80	903.05	106.95	386.11	623.89	379.88
3	74	68	-2.32	-7.80	-2.50	-7.62	0.97	384.70	-98.71	-52.40	338.39	-142.27
3	74	69	-0.77	-2.56	-0.89	-2.43	-0.46	1100.55	181.31	182.35	1099.51	-30.91
3	74	70	0.13	-3.01	-2.90	2.11e-02	-0.57	435.29	-235.19	-227.42	427.51	-71.78
3	74	72	-2.64	-29.31	-29.02	-2.93	-2.75	-66.58	-359.35	-330.48	-95.45	-87.29
3	74	73	1.43	-1.71	-1.69	1.42	-0.22	1201.27	9.11	16.16	1194.22	-91.44
3	74	74	0.16	-1.17	-0.23	-0.78	0.60	126.36	7.05	29.25	104.17	-46.43
3	74	75	3.99	-3.36	3.89	-3.25	0.87	108.85	-58.67	-5.88	56.06	-77.83
3	74	76	2.91	-0.93	2.68	-0.70	-0.91	680.48	-132.06	-99.18	647.60	160.11
3	74	94	6.62	-0.63	-8.79e-02	6.08	-1.91	10.77	-279.80	3.48	-272.50	-45.46
3	74	95	3.85	-1.39	-0.42	2.89	-2.03	1.56	-283.46	-1.07	-280.84	-27.23
3	74	96	7.26	6.95e-02	0.48	6.85	1.67	23.20	-258.55	18.92	-254.27	34.47
3	74	98	14.64	-1.30	-1.21	14.54	-1.23	86.36	-380.60	76.26	-370.51	-67.91
3	74	99	10.50	1.91	2.44	9.97	-2.07	42.72	-325.77	41.57	-324.62	-20.59
3	74	102	20.08	-1.83	-1.73	19.98	1.49	85.54	-411.25	-337.73	12.02	176.40
3	74	104	20.36	1.62	20.06	1.93	-2.38	-61.36	-499.25	-491.73	-68.87	-56.86
3	74	105	20.45	-2.89	-2.70	20.26	-2.08	-323.07	-882.40	-435.89	-769.58	-224.44
3	74	106	4.09e-02	-40.81	-40.48	-0.28	3.63	-89.35	-399.05	-378.89	-109.51	-76.39
3	74	112	22.34	0.81	2.03	21.11	4.99	53.99	-434.64	-216.92	-163.73	242.86
3	74	114	-5.82	-17.53	-16.53	-6.81	-3.27	817.36	-188.84	663.78	-35.25	361.87
3	74	137	11.16	-13.22	-10.75	8.69	-7.36	-5.35	-625.28	-611.69	-18.94	90.76
3	74	138	-2.32	-15.99	-15.98	-2.32	-0.17	-7.58	-1096.95	-1096.95	-7.59	-2.08
3	74	139	0.62	-18.08	-18.08	0.61	-0.38	-75.50	-486.78	-486.76	-75.51	2.24
3	74	140	-0.72	-23.33	-23.22	-0.84	1.61	1150.54	311.52	1131.84	330.22	-123.84
3	74	141	-0.40	-27.93	-27.82	-0.51	-1.75	-79.98	-179.41	-171.96	-87.44	26.18
3	74	142	-0.16	-3.75	-3.71	-0.20	-0.37	-37.16	-204.90	-147.80	-94.26	-79.48
3	74	143	23.13	-0.38	23.07	-0.32	-1.20	1145.73	335.29	1138.88	342.13	74.16
3	74	145	28.63	-0.62	28.23	-0.23	3.36	-24.41	-1036.26	-1033.23	-27.44	-55.25
3	74	146	32.44	1.51	32.10	1.85	3.23	-60.53	-518.45	-506.65	-72.34	-72.57
3	74	147	37.99	-2.62	37.70	-2.33	3.43	1051.15	249.25	1003.36	297.04	-189.84
3	74	148	47.99	3.26	46.78	4.47	7.26	-106.87	-277.53	-259.60	-124.81	-52.34
3	74	149	41.59	-13.21	41.56	-13.18	-1.32	801.30	229.61	795.67	235.24	-56.45
3	74	150	45.02	3.96	43.63	5.35	-7.43	-86.45	-352.06	-349.37	-89.14	-26.59
3	74	151	24.31	-2.73	24.01	-2.43	-2.82	562.03	236.12	546.41	251.74	-69.62
3	74	173	0.25	-5.12	-5.10	0.23	-0.33	1164.92	349.48	1143.50	370.89	-130.40
3	74	176	15.92	0.13	15.88	0.17	-0.79	50.91	-190.14	-41.53	-97.70	-117.21
3	74	177	-0.45	-4.73	-4.45	-0.73	-1.06	1150.23	395.68	1149.11	396.80	-29.05
3	74	178	1.19	-18.99	-18.98	1.19	-0.36	-107.75	-706.03	-705.89	-107.89	9.20
3	74	179	-1.18	-14.66	-14.65	-1.19	0.36	-74.02	-1011.19	-992.29	-92.92	-131.73
3	74	180	-0.19	-19.34	-19.34	-0.19	0.24	1111.22	383.38	1105.05	389.54	-66.71
3	74	181	-3.03	-21.36	-21.32	-3.07	0.87	438.92	10.47	437.29	12.10	-26.41
3	74	183	-1.63	-19.04	-19.04	-1.63	4.40e-02	125.62	-130.27	85.72	-90.36	-92.84
3	74	184	-0.29	-19.07	-19.05	-0.32	-0.63	1365.76	449.09	1363.60	451.25	44.46
3	74	185	0.12	-17.36	-17.36	0.11	-0.33	-94.56	-823.91	-807.22	-111.25	109.07
3	74	187	10.29	-11.19	-9.39	8.49	5.95	20.93	-937.88	-930.72	13.77	-82.54
3	74	190	-6.05	-15.99	-15.04	-7.00	2.92	741.81	-395.15	685.98	-339.32	-245.67
3	74	213	7.48	-4.17	6.91	-3.61	-2.51	520.30	-124.10	482.92	-86.72	150.63
3	74	214	5.19	-13.58	-12.81	4.42	-3.72	57.59	-571.65	-570.53	56.47	26.59
3	74	215	-1.71	-21.25	-21.19	-1.77	-1.05	22.82	-1070.58	-1070.51	22.75	-8.71
3	74	216	-0.12	-21.63	-21.63	-0.12	5.42e-02	66.47	-336.96	-324.80	54.30	69.00
3	74	217	-1.31	-25.82	-25.74	-1.39	-1.39	1065.28	-139.82	1065.05	-139.60	16.52

3	74	218	-0.88	-33.78	-33.77	-0.90	-0.75	62.01	-202.04	-195.05	55.02	-42.39
3	74	219	-3.55	-38.93	-38.93	-3.55	-0.52	58.55	-134.93	-133.53	57.16	-16.38
3	74	220	-0.14	-4.85	-4.84	-0.15	0.18	1057.92	-137.28	1056.54	-135.90	-40.62
3	74	221	30.19	0.61	30.15	0.66	1.17	64.37	-487.49	-476.21	53.09	-78.08
3	74	222	34.35	-0.52	33.97	-0.14	3.62	23.23	-986.98	-985.25	21.50	-41.76
3	74	223	36.30	2.26	35.96	2.60	3.37	54.42	-459.43	-459.42	54.41	2.66
3	74	224	41.62	-1.31	41.49	-1.18	2.34	866.78	-112.79	865.29	-111.30	-38.17
3	74	225	58.52	5.56	57.61	6.48	6.89	82.76	-275.83	-259.45	66.38	-74.87
3	74	226	77.76	-5.86	77.75	-5.85	-0.75	762.49	-46.33	758.46	-42.30	-56.95
3	74	227	49.50	4.60	48.44	5.65	-6.80	20.26	-368.74	-363.22	14.74	-46.03
3	74	228	33.79	3.50	33.51	3.78	-2.93	64.19	-504.53	-500.55	60.21	-47.41
3	74	235	27.20	-0.75	26.77	-0.32	-3.45	481.36	-107.14	477.34	-103.12	-48.48
3	74	236	22.32	-0.17	22.09	5.47e-02	-2.23	65.10	-512.69	-499.87	52.28	-85.12
3	74	237	15.46	-0.31	15.37	-0.22	-1.19	63.48	-43.06	-25.44	45.86	-39.58
3	74	254	-0.72	-3.58	-3.49	-0.81	-0.49	1026.98	-113.03	1023.49	-109.54	-63.00
3	74	255	0.34	-22.31	-22.30	0.33	-0.46	55.51	-677.33	-668.83	47.01	-78.47
3	74	256	-1.81	-18.62	-18.62	-1.81	-4.95e-02	48.24	-988.49	-985.95	45.70	-51.29
3	74	257	8.64e-02	-17.36	-17.36	8.60e-02	8.57e-02	996.78	-103.95	995.04	-102.21	-43.67
3	74	258	-3.56	-23.18	-23.14	-3.60	0.87	536.93	35.47	518.63	53.77	-94.02
3	74	259	-0.43	-24.79	-24.79	-0.43	8.19e-02	26.77	-337.59	-334.18	23.36	-35.10
3	74	260	-2.83	-24.62	-24.62	-2.83	-0.28	111.95	61.28	111.17	62.06	-6.24
3	74	261	-0.65	-21.59	-21.59	-0.65	-9.30e-02	1261.80	-144.60	1260.01	-142.81	-50.27
3	74	263	10.41	6.55e-02	9.07	1.41	3.48	425.67	173.00	200.23	398.43	78.35
3	74	266	12.30	4.75e-02	12.20	0.14	-1.06	1110.85	357.76	1103.87	364.75	-72.19
3	74	268	13.90	0.17	13.80	0.27	-1.15	-85.21	-437.38	-425.90	-96.69	62.54
3	74	271	-0.95	-23.89	-23.89	-0.95	0.31	55.23	-755.58	-755.58	55.23	0.55
3	74	309	-2.39	-24.71	-24.69	-2.41	0.69	27.08	-1319.36	-1316.80	24.52	58.68
3	74	310	4.08	-16.51	-16.10	3.67	2.89	86.48	-841.61	-840.23	85.11	-35.72
3	74	334	14.58	-0.69	14.44	-0.55	-1.47	1255.78	382.80	1255.72	382.86	-7.32
3	74	341	1.52	-8.53	-8.36	1.34	-1.31	26.39	-182.89	-80.33	-76.17	-104.62
3	74	342	1.03	-28.97	-28.97	1.03	-8.97e-02	-112.16	-292.99	-284.76	-120.39	37.69
3	74	346	0.82	-34.72	-34.39	0.49	3.41	1214.42	308.71	1149.05	374.09	-234.39
3	74	363	7.42	0.18	0.43	7.17	1.32	31.80	-270.45	17.15	-255.80	64.90
3	74	364	3.84	-3.62	3.28	-3.06	1.98	499.62	-280.33	493.47	-274.18	-68.96
3	74	371	1.61	-43.29	-42.98	1.29	3.72	-0.45	-964.64	-960.41	-4.69	-63.74
3	74	372	9.40	-0.83	9.39	-0.81	-0.35	-72.18	-671.39	-646.49	-97.08	-119.57
3	74	374	-2.13	-46.41	-46.14	-2.40	3.43	-104.47	-567.80	-563.86	-108.41	42.57
3	74	382	-2.22	-55.98	-55.32	-2.88	5.92	-128.91	-342.86	-337.31	-134.46	-34.02
3	74	388	9.15	-62.99	-62.99	9.15	3.71e-02	396.80	133.01	335.22	194.59	-111.59
3	74	391	-2.02e-02	-58.21	-57.67	-0.56	-5.58	-32.09	-608.43	-604.27	-36.24	-48.76
3	74	412	10.50	-1.14	10.49	-1.12	0.41	-8.77	-227.26	-200.88	-35.15	-71.19
3	74	413	17.27	-1.63	-1.44	17.07	1.92	92.98	-938.75	80.35	-926.11	113.48
3	74	416	1.13	-17.20	-17.20	1.13	8.40e-02	-34.32	-324.31	-321.12	-37.51	-30.25
3	74	419	3.31	-34.38	-34.30	3.23	-1.72	813.25	290.80	803.94	300.11	-69.11
3	74	428	-5.26	-46.04	-45.95	-5.35	-1.89	-97.89	-422.93	-419.47	-101.34	33.33
3	74	432	32.45	2.25	32.35	2.35	-1.74	-11.02	-542.31	-503.80	-49.53	-137.76
3	74	434	1.91	-51.02	-50.91	1.80	2.44	1106.52	318.85	1105.39	319.98	-29.84
3	74	452	8.29	0.67	8.29	0.67	0.17	-88.53	-1044.45	-1044.21	-88.78	15.19
3	74	453	-0.70	-0.82	-0.80	-0.72	-4.27e-02	775.11	-62.14	-48.76	761.72	105.02
3	74	469	15.33	-1.14	0.81	13.38	-5.32	1072.82	52.05	739.23	385.64	-478.78
3	74	472	9.10	-0.23	7.81	1.06	-3.23	494.46	87.30	376.35	205.41	-184.77
3	74	475	-1.96	-5.46	-2.59	-4.84	-1.34	29.14	-629.45	-619.59	19.27	79.99
3	74	476	11.00	2.06	10.87	2.19	-1.08	31.33	-1084.74	-1079.49	26.07	-76.38
3	74	478	18.01	0.50	17.97	0.55	-0.88	51.03	-313.30	-313.23	50.95	-5.21
3	74	479	18.11	0.17	18.10	0.18	0.44	1256.71	-109.95	1241.16	-94.40	-144.92
3	74	480	21.89	2.18	21.82	2.25	-1.19	67.23	-139.03	-131.40	59.60	-38.94
3	74	481	1.62	-2.27	-2.27	1.62	2.93e-02	33.76	-224.97	-221.06	29.86	-31.55
3	74	484	1.52	-39.19	-39.08	1.41	2.15	1087.92	-87.35	1082.21	-81.64	-81.72
3	74	485	0.39	-47.51	-47.18	6.75e-02	3.91	34.80	-345.42	-345.38	34.76	3.47
3	74	494	25.82	0.17	25.77	0.21	1.07	-84.35	-520.12	-520.11	-84.35	-1.33
3	74	498	14.94	1.10	1.71	14.33	2.83	68.23	-881.07	63.41	-876.24	67.49
3	74	499	26.00	1.24	2.35	24.89	-5.12	-121.95	-900.18	-249.72	-772.41	-288.29
3	74	502	-2.18	-16.42	-16.41	-2.19	-0.42	-9.60	-1352.88	-1350.02	-12.46	61.94
3	74	504	0.61	-50.00	-49.73	0.33	3.71	40.06	-992.74	-986.71	34.04	-78.63
3	74	505	-3.53	-52.74	-52.52	-3.75	3.28	27.86	-462.06	-461.83	27.64	-10.51
3	74	506	1.86	-55.26	-55.01	1.62	3.70	1111.96	-82.87	1083.74	-54.65	-181.44
3	74	507	-7.40	-79.43	-78.79	-8.04	6.78	52.78	-371.23	-370.73	52.27	-14.62
3	74	508	6.33	-74.41	-74.40	6.33	-0.32	296.03	-124.68	265.39	-94.05	-109.32
3	74	509	-4.40	-75.53	-74.89	-5.04	-6.72	72.08	-599.03	-596.97	70.02	37.12
3	74	510	2.69	-1.25	1.98	-0.54	1.51	-51.28	-759.41	-759.37	-51.32	5.75
3	74	511	-5.29	-51.06	-51.02	-5.33	-1.28	22.34	-352.95	-347.60	17.00	-44.47
3	74	512	0.92	-39.41	-39.37	0.88	-1.33	755.89	-57.78	748.08	-49.97	-79.32
3	74	513	-0.80	-32.05	-31.82	-1.04	-2.68	42.24	-339.33	-330.04	32.94	-58.82
3	74	514	0.20	-24.20	-24.13	0.13	-1.28	132.34	-37.19	36.02	59.13	-83.97
3	74	515	1.42	-3.68	-3.31	1.06	-1.31	1106.32	-137.92	1100.10	-131.71	-87.72
3	74	516	12.47	-0.18	12.46	-0.17	-0.36	57.42	-625.03	-623.15	55.54	-35.75
3	74	517	11.34	1.24	11.34	1.24	8.22e-02	54.10	-1034.29	-1031.18	50.98	-58.16
3	74	518	13.26	0.57	13.25	0.58	-0.36	932.88	-126.94	926.05	-120.11	-84.79
3	74	519	17.67	2.12	17.67	2.12	-0.15	567.57	52.15	567.55	52.17	3.17
3	74	520	17.69	0.59	17.69	0.59	0.10	37.94	-234.87	-220.13	23.20	-61.68

3	74	521	17.02	3.29	17.01	3.29	-0.21	302.68	39.37	285.85	56.20	-64.41
3	74	522	16.22	-0.66	16.22	-0.66	-0.10	1602.91	-159.71	1598.97	-155.76	-83.27
3	74	523	7.97	-0.43	7.51	3.04e-02	-1.91	-19.18	-1112.82	-1111.37	-20.64	-39.84
3	74	542	13.12	2.59	13.10	2.61	-0.49	52.24	-490.63	-485.40	47.01	53.03
3	74	544	0.21	-22.97	-22.88	0.13	-1.37	-1.39	-79.12	-2.05	-78.46	-7.14
3	74	546	14.80	1.36	14.76	1.41	-0.74	34.89	-1362.10	-1362.08	34.88	-4.91
3	74	550	1.91	-5.26	1.42	-4.77	1.82	-35.24	-1242.37	-1233.79	-43.82	-101.38
3	88	17	1.17	0.23	1.08	0.32	0.28	440.28	8.68	439.10	9.86	-22.58
3	88	60	0.83	0.24	0.61	0.46	-0.28	205.10	-101.23	197.90	-94.03	46.40
3	88	61	-0.17	-1.27	-0.83	-0.60	0.54	1536.18	438.98	1527.58	447.57	-96.74
3	88	62	0.54	-1.88	-1.67	0.32	0.68	-95.09	-705.73	-690.38	-110.44	-95.60
3	88	63	-0.96	-3.93	-3.60	-1.29	0.94	-11.14	-1371.80	-1371.27	-11.67	-26.99
3	88	64	5.67	-2.95	-1.09	3.81	-3.55	-43.00	-1069.00	-1068.72	-43.29	17.12
3	88	67	3.57	-6.43	-5.96	3.10	2.12	782.62	-39.26	598.18	145.17	342.88
3	88	68	5.89	-0.32	0.87	4.69	-2.45	148.79	-181.63	-64.11	31.27	-158.18
3	88	69	10.99	4.61e-02	0.42	10.62	1.98	212.09	-153.00	-71.77	130.86	151.84
3	88	70	8.66	-2.31	-2.05	8.40	-1.67	117.76	-265.12	-247.20	99.84	-80.87
3	88	72	2.18	-3.45e-02	2.18	-3.41e-02	-3.01e-02	-83.29	-426.64	-425.38	-84.55	-20.76
3	88	73	11.26	-2.14	-2.12	11.25	0.49	256.61	-253.85	-237.07	239.84	91.00
3	88	74	6.18	-0.94	-0.76	5.99	1.13	31.37	-178.26	31.18	-178.07	6.32
3	88	75	4.78	1.41	3.48	2.71	1.64	2.54	-215.58	-2.77	-210.26	-33.63
3	88	76	6.73	2.32	2.94	6.11	-1.54	8.02	-114.64	-7.46	-99.16	40.74
3	88	94	4.69	-0.23	-0.23	4.69	1.27e-02	14.79	-281.60	14.76	-281.57	-2.81
3	88	95	2.87	-0.32	-0.32	2.87	-0.10	12.03	-285.45	12.00	-285.42	2.87
3	88	96	5.51	-0.36	-0.35	5.49	0.32	12.95	-254.37	12.93	-254.35	2.15
3	88	98	6.02	-0.69	-0.53	5.85	-1.03	29.88	-38.62	28.85	-37.60	-8.32
3	88	99	5.21	1.70	3.39	3.52	-1.75	9.32	-99.08	-15.46	-74.30	45.52
3	88	102	11.17	-1.85	-1.83	11.16	0.42	402.07	-211.94	-199.50	389.63	86.51
3	88	104	-0.54	-2.58	-2.58	-0.54	2.33e-02	-83.61	-418.30	-417.62	-84.29	15.07
3	88	105	11.66	-2.22	-2.15	11.58	-1.02	201.69	-270.16	-253.05	184.58	-88.22
3	88	106	9.62e-02	-1.11	-1.09	7.25e-02	-0.17	-88.56	-532.96	-527.59	-93.93	-48.53
3	88	112	10.06	-0.16	0.55	9.34	2.61	313.76	-138.21	-76.85	252.40	154.82
3	88	114	3.39	-8.78	-8.60	3.21	1.47	778.59	-49.12	576.52	152.94	355.56
3	88	137	6.73	-5.85	-3.63	4.51	-4.80	-42.48	-786.36	-781.93	-46.91	57.25
3	88	138	-1.08	-5.84	-5.70	-1.21	0.79	-13.18	-1102.54	-1102.26	-13.45	17.35
3	88	139	-0.25	-5.93	-5.93	-0.25	-0.17	-83.65	-315.47	-314.40	-84.72	-15.69
3	88	140	0.83	-4.13	-3.39	7.94e-02	1.78	1246.75	343.28	1233.42	356.60	-108.89
3	88	141	-8.29e-02	-1.47	-1.18	-0.37	-0.57	-62.85	-225.21	-197.00	-91.05	61.51
3	88	142	-0.16	-1.82	-1.82	-0.17	-8.12e-02	-57.63	-156.42	-122.91	-91.15	-46.77
3	88	143	0.28	-3.73	-3.54	9.16e-02	-0.86	1160.59	335.74	1149.44	346.90	95.27
3	88	145	4.15e-02	-5.40	-5.39	3.10e-02	-0.24	-18.81	-992.76	-992.41	-19.15	-18.40
3	88	146	-0.23	-5.40	-5.40	-0.24	-0.16	-78.93	-450.28	-442.67	-86.54	-52.59
3	88	147	-0.22	-4.70	-4.65	-0.27	0.45	1089.01	281.34	1064.17	306.18	-139.44
3	88	148	0.97	-2.20	-2.05	0.82	0.68	-126.83	-331.39	-331.31	-126.92	4.16
3	88	149	-1.73	-7.21	-7.17	-1.78	-0.50	544.52	218.74	543.18	220.08	-20.86
3	88	150	2.00	-3.40	-3.35	1.95	-0.53	-66.94	-514.19	-513.22	-67.91	20.85
3	88	151	0.46	-2.80	-2.76	0.41	0.39	706.31	276.61	704.07	278.85	-30.92
3	88	173	1.02	-0.57	0.79	-0.34	0.55	1152.66	384.52	1151.03	386.15	-35.38
3	88	176	0.27	-2.19	-2.16	0.24	0.28	34.30	-114.06	1.66	-81.42	-61.46
3	88	177	-0.24	-3.17	-3.13	-0.27	-0.32	1152.63	384.51	1151.85	385.29	24.42
3	88	178	0.26	-2.86	-2.86	0.26	6.12e-02	-96.96	-717.29	-711.24	-103.02	60.98
3	88	179	-2.89e-02	-2.45	-2.40	-8.56e-02	0.37	-85.55	-1003.97	-997.92	-91.61	-74.32
3	88	180	-5.70e-02	-2.28	-2.27	-6.36e-02	0.12	1090.11	370.43	1089.24	371.29	-24.92
3	88	181	-8.87e-02	-1.78	-1.78	-8.87e-02	-1.08e-03	432.48	7.84	431.92	8.40	15.41
3	88	183	0.31	-1.27	-1.22	0.26	0.29	209.31	-102.95	200.09	-93.73	-52.85
3	88	184	-0.38	-2.43	-2.38	-0.43	-0.31	1528.81	442.64	1521.86	449.59	86.59
3	88	185	0.15	-3.14	-3.01	2.62e-02	-0.63	-96.67	-711.77	-697.92	-110.53	91.28
3	88	187	5.79	-3.75	-1.73	3.78	3.89	-43.67	-1061.32	-1060.86	-44.13	-21.61
3	88	190	3.14	-6.62	-6.22	2.75	-1.93	807.31	-35.30	614.63	157.37	-353.87
3	88	213	7.68	-1.48	7.66	-1.46	0.44	389.72	15.88	358.41	47.18	103.55
3	88	214	-0.46	-7.71	-7.51	-0.65	-1.16	28.10	-676.30	-675.96	27.76	-15.55
3	88	215	0.29	-6.65	-6.64	0.29	-8.54e-02	26.18	-1069.42	-1069.33	26.09	10.05
3	88	216	-0.24	-5.84	-5.83	-0.26	0.27	60.34	-250.20	-241.38	51.52	51.60
3	88	217	0.50	-3.90	-3.53	0.13	-1.23	1132.96	-118.91	1132.13	-118.07	32.26
3	88	218	-0.12	-2.06	-1.96	-0.22	0.44	51.88	-212.15	-211.93	51.66	-7.62
3	88	219	-0.23	-2.77	-2.75	-0.26	-0.23	54.71	-121.49	-119.97	53.19	16.30
3	88	220	0.20	-3.56	-3.49	0.13	0.51	1067.18	-113.04	1066.87	-112.73	-19.09
3	88	221	-0.15	-5.12	-5.12	-0.15	-3.68e-02	49.86	-486.41	-484.12	47.57	-34.99
3	88	222	0.19	-5.48	-5.48	0.19	1.84e-02	24.76	-979.10	-979.06	24.73	-6.24
3	88	223	-0.47	-6.56	-6.56	-0.47	-1.37e-02	45.04	-383.44	-382.38	43.98	21.30
3	88	224	0.30	-4.80	-4.72	0.22	-0.64	979.26	-87.58	979.07	-87.39	14.29
3	88	225	-0.52	-8.01	-8.00	-0.53	0.31	62.45	-347.72	-347.09	61.82	-16.07
3	88	226	3.71	0.27	3.71	0.27	7.38e-02	488.83	-59.92	488.13	-59.22	-19.56
3	88	227	4.32e-02	-9.30	-9.30	4.21e-02	0.10	38.66	-512.35	-510.78	37.09	-29.35
3	88	228	-0.62	-5.72	-5.72	-0.62	-0.10	38.96	-402.05	-402.04	38.95	-2.26
3	88	235	0.22	-4.47	-4.46	0.21	-0.23	640.10	-75.45	639.98	-75.33	-9.23
3	88	236	-0.36	-2.75	-2.74	-0.37	0.18	42.53	-415.93	-415.58	42.18	-12.67
3	88	237	-3.43e-02	-3.07	-3.07	-3.82e-02	-0.11	68.63	32.66	45.04	56.24	17.09
3	88	254	0.11	-2.03	-2.01	8.56e-02	0.24	1064.97	-119.32	1064.89	-119.24	-9.64
3	88	255	4.95e-04	-3.89	-3.89	-3.85e-05	-4.55e-02	52.49	-674.91	-674.30	51.88	-21.09

3	88	256	-1.20e-02	-2.86	-2.86	-1.27e-02	-4.30e-02	46.83	-993.39	-993.35	46.79	6.14
3	88	257	4.38e-02	-1.37	-1.37	4.32e-02	-2.96e-02	965.23	-112.89	965.23	-112.89	-2.16
3	88	258	-0.13	-1.69	-1.69	-0.13	-4.05e-03	507.88	43.01	501.78	49.10	-52.87
3	88	259	4.01e-02	-2.00	-2.00	3.96e-02	-2.95e-02	23.09	-286.60	-286.59	23.08	1.99
3	88	260	5.32e-03	-2.22	-2.22	4.66e-03	-3.83e-02	238.28	55.58	232.63	61.22	31.61
3	88	261	7.64e-02	-1.02	-0.97	2.59e-02	0.23	1425.36	-144.02	1425.32	-143.98	-8.14
3	88	263	6.18	-1.20	6.16	-1.18	0.42	418.90	36.86	392.31	63.45	97.22
3	88	266	0.50	-0.38	0.35	-0.23	-0.33	1088.56	370.43	1088.29	370.70	13.96
3	88	268	-0.12	-3.83	-3.79	-0.17	-0.40	-84.38	-312.53	-311.63	-85.29	14.31
3	88	271	6.80e-02	-3.59	-3.59	6.80e-02	4.05e-03	54.11	-657.38	-656.81	53.54	-20.08
3	88	309	0.20	-5.02	-5.01	0.20	0.13	27.60	-1326.16	-1325.95	27.38	17.18
3	88	310	-0.49	-7.75	-7.65	-0.59	0.83	28.24	-975.65	-973.90	26.50	41.82
3	88	334	0.73	-2.12	-1.43	3.28e-02	-1.22	1254.68	347.35	1242.27	359.75	105.36
3	88	341	0.81	-0.28	0.74	-0.21	-0.26	-61.03	-226.91	-196.18	-91.76	-64.45
3	88	342	1.16	-2.29e-02	1.16	-1.79e-02	-7.63e-02	-58.53	-165.72	-133.79	-90.46	49.02
3	88	346	0.79	-0.81	2.03e-02	-3.85e-02	0.80	1183.82	336.72	1171.01	349.54	-103.40
3	88	363	7.32	-9.16e-02	-9.14e-02	7.32	-3.71e-02	12.00	-255.86	12.00	-255.86	0.18
3	88	364	6.42	-0.97	6.38	-0.94	-0.52	424.94	42.33	395.45	71.82	-102.05
3	88	371	-4.33e-02	-0.80	-0.80	-4.33e-02	-1.11e-03	-20.07	-993.07	-992.93	-20.21	11.64
3	88	372	0.42	0.17	0.30	0.30	0.13	-96.01	-716.11	-708.52	-103.59	-68.16
3	88	374	0.11	-0.53	-0.53	0.11	1.82e-02	-80.38	-455.18	-449.30	-86.26	46.58
3	88	382	4.53	0.83	4.17	1.18	-1.09	-126.91	-316.51	-316.13	-127.29	-8.48
3	88	388	-1.09	-2.33	-1.14	-2.29	0.23	594.27	224.38	593.90	224.74	11.60
3	88	391	4.25	1.49	3.58	2.16	1.18	-67.63	-503.35	-501.60	-69.38	-27.54
3	88	412	0.68	-0.19	0.59	-9.69e-02	0.26	-35.82	-270.14	-269.13	-36.83	-15.35
3	88	413	8.53	-0.52	-0.44	8.45	0.83	26.42	-98.84	26.17	-98.60	5.50
3	88	416	-2.99e-02	-1.50	-1.50	-3.04e-02	-2.74e-02	-36.42	-271.86	-271.58	-36.69	8.08
3	88	419	1.77	-4.68e-02	1.74	-1.67e-02	-0.23	676.53	276.11	675.82	276.82	16.90
3	88	428	1.73	-0.98	1.44	-0.69	-0.84	-52.58	-443.64	-425.39	-70.83	82.49
3	88	432	-1.02	-4.39	-3.99	-1.43	1.09	-50.44	-437.48	-416.20	-71.71	-88.22
3	88	434	1.12	-0.61	0.90	-0.38	-0.58	1074.10	280.81	1050.75	304.16	134.09
3	88	452	0.11	7.28e-02	8.74e-02	9.78e-02	1.91e-02	-86.11	-1004.32	-999.43	-91.00	66.85
3	88	453	7.03	-0.50	-0.43	6.96	-0.74	27.12	-66.30	26.83	-66.01	-5.20
3	88	469	3.40	-7.45	-7.44	3.39	-0.43	817.56	-13.36	605.80	198.40	-362.09
3	88	472	6.19	-1.44	6.16	-1.40	-0.50	385.70	54.47	351.54	88.63	-100.74
3	88	475	-0.40	-6.35	-6.18	-0.57	0.98	25.68	-681.63	-681.40	25.45	12.76
3	88	476	0.21	-5.38	-5.38	0.21	3.62e-02	25.68	-1070.54	-1070.42	25.56	-11.66
3	88	478	-9.27e-02	-3.66	-3.65	-9.77e-02	-0.13	60.99	-247.98	-238.62	51.64	-52.94
3	88	479	0.31	-1.77	-1.52	5.16e-02	0.69	1143.27	-119.41	1142.32	-118.46	-34.62
3	88	480	0.51	-0.16	0.48	-0.13	-0.13	53.52	-203.86	-203.85	53.51	1.20
3	88	481	1.00	0.14	1.00	0.14	4.28e-02	51.12	-121.71	-119.56	48.98	-19.13
3	88	484	0.31	-0.63	-0.11	-0.21	-0.46	1064.36	-113.45	1063.16	-112.25	37.58
3	88	485	0.12	-0.58	-0.56	9.71e-02	0.12	52.32	-492.43	-490.64	50.53	31.18
3	88	494	-7.30e-02	-4.97	-4.97	-7.69e-02	-0.14	-89.43	-534.76	-530.82	-93.36	41.68
3	88	498	7.08	2.22	2.82	6.48	1.60	4.11	-139.32	-5.64	-129.57	-36.10
3	88	499	11.22	6.83e-02	0.44	10.85	-1.99	177.14	-159.22	-69.27	87.19	-148.88
3	88	502	-0.77	-4.40	-4.12	-1.06	-0.98	-11.24	-1371.88	-1371.52	-11.61	22.24
3	88	504	6.87e-03	-0.55	-0.55	6.68e-03	-1.04e-02	23.10	-985.08	-985.08	23.10	0.77
3	88	505	1.58e-02	-0.67	-0.64	-1.13e-02	-0.13	44.99	-391.17	-389.77	43.58	-24.75
3	88	506	1.45	-0.27	1.12	6.46e-02	0.68	966.33	-86.96	966.02	-86.65	-18.04
3	88	507	-0.22	-1.12	-1.06	-0.29	-0.23	62.43	-333.31	-332.95	62.07	11.90
3	88	508	13.64	0.22	13.63	0.22	-0.13	538.29	-61.41	537.82	-60.94	16.70
3	88	509	-0.23	-3.06	-3.06	-0.23	4.35e-02	38.68	-499.30	-497.94	37.32	26.99
3	88	510	5.19	-5.07	-3.34	3.47	3.84	-42.54	-790.83	-786.24	-47.13	-58.42
3	88	511	0.48	2.48e-03	0.32	0.16	-0.22	38.88	-414.07	-414.07	38.88	0.24
3	88	512	1.77	-5.59e-02	1.76	-4.23e-02	0.16	613.38	-74.44	613.31	-74.38	6.84
3	88	513	1.87	-8.00e-02	1.86	-7.89e-02	4.72e-02	42.13	-421.13	-420.98	41.98	8.52
3	88	514	1.88	0.37	1.88	0.38	-5.75e-02	69.13	21.70	34.50	56.33	-21.05
3	88	515	2.12	-0.18	2.03	-0.10	-0.43	1065.01	-119.45	1064.98	-119.43	5.76
3	88	516	0.27	3.63e-02	0.12	0.18	0.11	52.29	-671.10	-670.71	51.91	16.70
3	88	517	9.14e-02	-3.82e-02	1.84e-02	3.48e-02	-6.43e-02	46.92	-995.45	-995.34	46.82	-10.60
3	88	518	0.97	-0.15	0.84	-2.21e-02	0.36	962.26	-112.68	962.26	-112.68	-1.62
3	88	519	0.84	0.24	0.82	0.26	0.10	513.37	43.66	508.24	48.78	48.79
3	88	520	0.30	-0.13	0.30	-0.12	-4.43e-02	23.24	-284.12	-284.00	23.11	-6.11
3	88	521	0.20	-0.21	-0.21	0.20	2.72e-02	236.42	53.98	229.17	61.23	-35.64
3	88	522	0.90	-0.14	0.79	-2.68e-02	-0.32	1431.46	-143.93	1431.44	-143.91	5.39
3	88	523	-0.86	-4.60	-4.42	-1.04	-0.80	-13.07	-1103.35	-1103.03	-13.39	-18.80
3	88	542	0.11	-2.97	-2.97	0.11	-3.82e-02	53.97	-648.44	-647.99	53.53	17.65
3	88	544	2.19	0.44	2.18	0.45	-0.15	21.64	-111.50	-8.10	-81.76	55.45
3	88	546	0.21	-3.05	-3.05	0.21	-0.11	27.69	-1326.51	-1326.22	27.41	-19.53
3	88	550	-0.50	-7.10	-7.00	-0.59	-0.79	28.81	-985.95	-984.00	26.86	-44.46
3	95	17	1.14	0.22	1.01	0.35	0.31	515.76	3.62	514.75	4.63	-22.69
3	95	60	0.83	0.19	0.51	0.51	-0.32	233.29	-119.27	226.63	-112.60	48.02
3	95	61	-0.25	-1.60	-1.16	-0.69	0.63	1785.72	492.77	1775.29	503.21	-115.68
3	95	62	0.60	-2.38	-2.14	0.36	0.80	-113.24	-832.55	-814.39	-131.40	-112.85
3	95	63	-1.17	-4.72	-4.38	-1.51	1.05	-16.51	-1608.20	-1607.24	-17.47	-39.15
3	95	64	6.53	-3.61	-1.45	4.37	-4.16	-49.02	-1247.75	-1247.74	-49.04	3.73
3	95	67	3.95	-7.47	-7.04	3.51	2.19	912.44	-65.56	698.67	148.21	404.19
3	95	68	6.62	-0.37	1.03	5.22	-2.80	160.90	-212.73	-72.46	20.63	-180.92
3	95	69	12.27	5.79e-02	0.50	11.83	2.28	223.37	-180.19	-80.87	124.05	173.83

3	95	70	10.45	-2.78	-2.35	10.01	-2.36	115.59	-322.35	-304.91	98.15	-85.63
3	95	72	2.24	-7.10e-02	2.24	-7.04e-02	-3.67e-02	-100.93	-500.10	-499.24	-101.78	-18.46
3	95	73	12.98	-2.51	-2.44	12.90	1.08	263.12	-317.47	-300.69	246.35	97.25
3	95	74	7.75	-1.08	-0.89	7.56	1.29	35.22	-189.34	34.84	-188.96	9.21
3	95	75	5.75	1.89	4.02	3.63	1.92	0.49	-231.13	-4.37	-226.27	-33.20
3	95	76	8.02	2.70	3.42	7.30	-1.82	6.15	-118.43	-9.06	-103.22	40.79
3	95	94	6.00	-0.27	-0.27	6.00	1.79e-02	16.18	-299.08	16.15	-299.05	-3.06
3	95	95	3.77	-0.36	-0.36	3.77	-0.12	10.87	-304.51	10.84	-304.48	3.14
3	95	96	6.58	-0.41	-0.39	6.56	0.37	12.10	-266.38	12.08	-266.36	2.34
3	95	98	7.50	-0.79	-0.62	7.34	-1.17	33.56	-37.08	31.76	-35.29	-11.11
3	95	99	6.26	2.16	3.89	4.53	-2.02	6.95	-102.62	-18.15	-77.52	46.05
3	95	102	13.01	-2.15	-2.08	12.95	0.99	426.30	-265.44	-253.10	413.96	91.57
3	95	104	-0.62	-2.93	-2.93	-0.62	2.92e-02	-101.12	-491.25	-490.86	-101.50	12.29
3	95	105	13.44	-2.64	-2.46	13.27	-1.67	203.38	-335.06	-318.03	186.35	-94.24
3	95	106	9.04e-02	-1.56	-1.54	6.61e-02	-0.20	-107.17	-623.68	-618.33	-112.53	-52.31
3	95	112	11.30	-0.18	0.65	10.47	2.97	334.58	-158.67	-85.88	261.78	174.95
3	95	114	3.71	-10.12	-9.97	3.56	1.45	899.19	-72.88	666.13	160.19	415.02
3	95	137	7.71	-6.87	-4.30	5.14	-5.56	-50.70	-920.56	-917.27	-53.99	53.42
3	95	138	-1.25	-6.83	-6.67	-1.40	0.91	-19.86	-1292.90	-1292.72	-20.04	14.89
3	95	139	-0.31	-6.98	-6.97	-0.31	-0.19	-100.30	-370.72	-369.55	-101.47	-17.75
3	95	140	0.99	-4.83	-3.95	0.11	2.08	1457.40	382.95	1441.87	398.47	-128.23
3	95	141	-0.12	-1.69	-1.36	-0.45	-0.64	-78.26	-260.48	-229.92	-108.82	68.07
3	95	142	-0.20	-2.08	-2.07	-0.20	-9.05e-02	-71.38	-182.40	-145.26	-108.52	-52.38
3	95	143	0.35	-4.30	-4.07	0.12	-1.01	1352.70	371.92	1339.98	384.64	110.97
3	95	145	4.69e-02	-6.23	-6.22	3.55e-02	-0.27	-26.62	-1162.84	-1162.50	-26.96	-19.60
3	95	146	-0.27	-6.21	-6.20	-0.27	-0.18	-96.83	-525.72	-518.98	-103.58	-53.36
3	95	147	-0.25	-5.34	-5.28	-0.30	0.54	1266.82	314.37	1240.25	340.95	-156.87
3	95	148	1.13	-2.42	-2.24	0.94	0.79	-145.52	-386.32	-385.76	-146.08	11.60
3	95	149	-2.01	-8.22	-8.17	-2.06	-0.57	639.48	227.53	637.97	229.04	-24.89
3	95	150	2.31	-3.84	-3.77	2.25	-0.64	-79.93	-598.64	-598.26	-80.31	14.00
3	95	151	0.53	-3.19	-3.13	0.47	0.45	820.26	307.05	817.06	310.25	-40.36
3	95	173	0.97	-0.69	0.66	-0.38	0.65	1344.54	428.96	1342.93	430.57	-38.38
3	95	176	0.31	-2.48	-2.44	0.27	0.32	37.47	-134.90	0.17	-97.61	-70.97
3	95	177	-0.26	-3.65	-3.60	-0.31	-0.40	1344.59	428.87	1343.82	429.63	26.51
3	95	178	0.29	-3.34	-3.34	0.29	6.61e-02	-116.14	-838.15	-832.10	-122.19	65.81
3	95	179	-3.53e-02	-2.89	-2.83	-9.56e-02	0.41	-103.00	-1175.44	-1168.83	-109.61	-83.96
3	95	180	-6.01e-02	-2.66	-2.65	-7.03e-02	0.16	1273.03	410.68	1272.16	411.55	-27.36
3	95	181	-0.11	-2.08	-2.08	-0.11	-2.15e-02	507.41	2.61	506.97	3.05	14.92
3	95	183	0.34	-1.53	-1.47	0.28	0.33	237.64	-120.92	229.00	-112.27	-55.00
3	95	184	-0.43	-2.90	-2.84	-0.49	-0.37	1777.69	496.78	1769.07	505.40	104.70
3	95	185	0.16	-3.76	-3.61	1.09e-02	-0.75	-114.96	-839.10	-822.57	-131.49	108.17
3	95	187	6.66	-4.49	-2.15	4.32	4.54	-49.89	-1239.28	-1239.22	-49.95	-8.58
3	95	190	3.49	-7.68	-7.32	3.13	-1.98	939.16	-61.19	716.53	161.44	-416.11
3	95	213	8.85	-1.79	8.83	-1.77	0.50	448.26	8.14	407.65	48.75	127.38
3	95	214	-0.52	-8.97	-8.75	-0.74	-1.34	33.41	-790.83	-789.93	32.51	-27.27
3	95	215	0.34	-7.83	-7.83	0.34	-9.42e-02	30.20	-1252.31	-1252.25	30.13	8.96
3	95	216	-0.28	-6.80	-6.78	-0.30	0.32	70.32	-292.46	-281.82	59.68	61.23
3	95	217	0.59	-4.60	-4.16	0.15	-1.44	1324.01	-137.99	1323.08	-137.07	36.77
3	95	218	-0.14	-2.37	-2.25	-0.26	0.51	60.32	-244.67	-244.23	59.88	-11.59
3	95	219	-0.27	-3.16	-3.13	-0.30	-0.28	63.57	-141.88	-139.77	61.47	20.68
3	95	220	0.24	-4.12	-4.04	0.15	0.61	1243.43	-130.83	1243.04	-130.44	-23.28
3	95	221	-0.18	-5.89	-5.88	-0.18	-4.39e-02	58.19	-566.86	-563.73	55.07	-44.06
3	95	222	0.22	-6.27	-6.27	0.22	2.08e-02	28.68	-1144.46	-1144.43	28.65	-6.14
3	95	223	-0.54	-7.50	-7.50	-0.54	-1.28e-02	52.72	-447.43	-445.63	50.92	29.97
3	95	224	0.35	-5.48	-5.39	0.25	-0.75	1141.20	-101.64	1140.86	-101.30	20.66
3	95	225	-0.60	-9.09	-9.07	-0.62	0.36	71.78	-401.08	-400.64	71.35	-14.34
3	95	226	4.51	0.31	4.51	0.31	9.27e-02	571.81	-68.57	570.94	-67.70	-23.65
3	95	227	4.81e-02	-10.58	-10.58	4.69e-02	0.11	45.54	-594.39	-591.65	42.80	-41.75
3	95	228	-0.71	-6.52	-6.52	-0.71	-0.12	45.04	-469.38	-469.34	45.00	-4.45
3	95	235	0.26	-5.10	-5.09	0.24	-0.27	743.53	-87.44	743.29	-87.20	-14.12
3	95	236	-0.41	-3.13	-3.11	-0.43	0.20	49.57	-485.30	-484.68	48.95	-18.19
3	95	237	-3.74e-02	-3.49	-3.48	-4.22e-02	-0.13	80.25	37.17	52.48	64.94	20.62
3	95	254	0.13	-2.35	-2.31	9.80e-02	0.29	1241.98	-138.23	1241.85	-138.11	-13.04
3	95	255	1.50e-03	-4.49	-4.49	8.53e-04	-5.38e-02	60.98	-786.74	-785.80	60.04	-28.23
3	95	256	-1.36e-02	-3.34	-3.34	-1.43e-02	-4.78e-02	54.39	-1159.89	-1159.82	54.32	9.43
3	95	257	5.63e-02	-1.64	-1.63	5.47e-02	-5.32e-02	1127.95	-130.51	1127.95	-130.51	-1.86
3	95	258	-0.15	-1.99	-1.99	-0.15	9.38e-03	596.81	49.22	589.64	56.39	-62.26
3	95	259	5.02e-02	-2.35	-2.35	4.96e-02	-3.63e-02	26.90	-334.28	-334.26	26.88	2.65
3	95	260	-1.30e-03	-2.62	-2.62	-2.23e-03	-4.95e-02	277.21	62.80	269.20	70.81	40.67
3	95	261	8.89e-02	-1.26	-1.21	3.27e-02	0.27	1656.11	-166.91	1656.08	-166.88	-7.39
3	95	263	7.20	-1.54	7.17	-1.51	0.48	484.92	31.55	449.94	66.53	120.97
3	95	266	0.39	-0.48	0.16	-0.26	-0.38	1271.41	410.63	1271.13	410.91	15.48
3	95	268	-0.17	-4.62	-4.57	-0.22	-0.48	-101.08	-367.09	-366.10	-102.08	16.23
3	95	271	7.59e-02	-4.26	-4.26	7.59e-02	6.45e-03	62.69	-772.20	-771.56	62.05	-23.08
3	95	309	0.24	-5.97	-5.96	0.24	0.15	31.98	-1552.74	-1552.36	31.59	24.77
3	95	310	-0.56	-9.01	-8.90	-0.67	0.97	34.41	-1135.70	-1132.58	31.29	60.34
3	95	334	0.82	-2.56	-1.78	4.73e-02	-1.42	1466.19	387.25	1451.57	401.86	124.71
3	95	341	0.78	-0.33	0.70	-0.26	-0.28	-76.41	-262.42	-229.35	-109.48	-71.12
3	95	342	1.17	-4.56e-02	1.16	-4.03e-02	-8.04e-02	-71.91	-192.48	-157.31	-107.08	54.81
3	95	346	0.83	-1.05	-0.19	-3.54e-02	0.94	1379.12	373.88	1365.04	387.95	-118.10

3	95	363	8.77	-0.11	-0.11	8.77	-4.50e-02	13.02	-266.78	13.02	-266.78	0.20
3	95	364	7.46	-1.26	7.42	-1.22	-0.59	491.63	37.33	453.34	75.62	-126.21
3	95	371	-4.50e-02	-1.23	-1.23	-4.51e-02	9.80e-03	-28.20	-1163.16	-1163.03	-28.33	12.25
3	95	372	0.40	2.32e-02	8.31e-02	0.34	0.14	-115.23	-836.74	-829.16	-122.82	-73.59
3	95	374	0.10	-0.92	-0.92	0.10	3.25e-02	-98.16	-531.16	-526.02	-103.29	46.87
3	95	382	4.94	0.91	4.52	1.34	-1.24	-145.30	-370.51	-369.33	-146.48	-16.27
3	95	388	-1.54	-2.69	-1.62	-2.61	0.28	693.42	233.63	692.94	234.11	14.89
3	95	391	4.60	1.61	3.74	2.48	1.35	-81.00	-586.57	-585.68	-81.90	-21.25
3	95	412	0.58	-0.23	0.47	-0.11	0.29	-46.32	-318.90	-317.66	-47.56	-18.34
3	95	413	10.20	-0.61	-0.52	10.11	0.95	29.34	-100.96	28.88	-100.50	7.75
3	95	416	-2.99e-02	-1.80	-1.80	-3.05e-02	-3.14e-02	-47.01	-320.72	-320.32	-47.41	10.46
3	95	419	1.79	-3.51e-02	1.75	8.41e-03	-0.28	787.83	306.74	786.51	308.06	25.17
3	95	428	1.71	-1.19	1.35	-0.83	-0.96	-62.31	-521.33	-497.84	-85.80	101.14
3	95	432	-1.18	-5.00	-4.54	-1.63	1.24	-59.83	-514.84	-487.92	-86.75	-107.35
3	95	434	1.07	-0.74	0.75	-0.43	-0.69	1250.82	313.72	1225.77	338.77	151.16
3	95	452	0.10	-0.14	-0.14	0.10	1.09e-02	-103.56	-1175.86	-1170.46	-108.95	75.87
3	95	453	8.48	-0.58	-0.51	8.40	-0.84	30.17	-65.70	29.59	-65.12	-7.44
3	95	469	3.72	-8.72	-8.72	3.71	-0.32	940.97	-33.27	697.71	209.99	-421.68
3	95	472	7.23	-1.66	7.19	-1.62	-0.60	443.94	50.64	400.64	93.94	-123.11
3	95	475	-0.47	-7.49	-7.29	-0.66	1.15	30.68	-797.21	-796.50	29.97	24.13
3	95	476	0.25	-6.47	-6.47	0.25	3.75e-02	29.63	-1253.55	-1253.46	29.54	-10.74
3	95	478	-0.12	-4.41	-4.41	-0.13	-0.15	71.07	-289.53	-278.27	59.81	-62.71
3	95	479	0.35	-2.21	-1.92	6.75e-02	0.80	1335.35	-138.53	1334.30	-137.47	-39.40
3	95	480	0.45	-0.20	0.41	-0.16	-0.17	62.00	-235.57	-235.51	61.94	4.36
3	95	481	0.94	0.13	0.93	0.14	6.67e-02	59.46	-141.43	-138.46	56.48	-24.26
3	95	484	0.25	-0.90	-0.40	-0.25	-0.57	1241.00	-131.17	1239.40	-129.56	46.90
3	95	485	0.12	-0.93	-0.92	0.10	0.14	61.00	-575.05	-572.62	58.57	39.26
3	95	494	-9.01e-02	-5.75	-5.75	-9.38e-02	-0.14	-107.42	-625.41	-621.62	-111.21	44.14
3	95	498	8.39	2.60	3.28	7.71	1.87	2.16	-145.48	-7.08	-136.24	-35.75
3	95	499	12.50	8.10e-02	0.52	12.06	-2.29	186.58	-188.10	-78.15	76.62	-170.61
3	95	502	-0.92	-5.20	-4.89	-1.23	-1.12	-16.67	-1608.24	-1607.51	-17.40	34.02
3	95	504	2.19e-02	-0.91	-0.91	2.18e-02	-1.15e-02	26.80	-1151.28	-1151.28	26.80	2.50e-02
3	95	505	-2.07e-02	-1.09	-1.07	-4.13e-02	-0.15	52.72	-455.76	-453.51	50.47	-33.73
3	95	506	1.43	-0.39	0.96	8.37e-02	0.80	1127.26	-101.00	1126.76	-100.51	-24.72
3	95	507	-0.29	-1.59	-1.53	-0.35	-0.27	71.83	-385.57	-385.35	71.61	9.83
3	95	508	15.28	0.26	15.28	0.26	-0.15	625.40	-70.18	624.79	-69.57	20.55
3	95	509	-0.25	-3.80	-3.80	-0.25	4.35e-02	45.51	-580.21	-577.74	43.05	39.19
3	95	510	6.04	-6.02	-3.99	4.01	4.51	-50.87	-925.77	-922.34	-54.30	-54.69
3	95	511	0.33	-0.15	3.92e-02	0.14	-0.24	44.94	-482.35	-482.34	44.93	2.26
3	95	512	1.67	-5.37e-02	1.65	-3.33e-02	0.19	714.61	-86.34	714.44	-86.18	11.53
3	95	513	1.89	-0.11	1.89	-0.11	4.04e-02	49.08	-490.86	-490.52	48.73	13.70
3	95	514	1.89	0.41	1.89	0.41	-5.12e-02	80.69	25.41	41.07	65.04	-24.90
3	95	515	2.18	-0.21	2.07	-0.11	-0.50	1242.01	-138.37	1241.95	-138.31	8.83
3	95	516	0.24	-0.18	-0.14	0.20	0.13	60.72	-782.58	-781.92	60.07	23.47
3	95	517	5.50e-02	-0.24	-0.22	3.77e-02	-6.95e-02	54.51	-1162.14	-1161.97	54.34	-14.26
3	95	518	0.93	-0.20	0.75	-1.62e-02	0.41	1124.74	-130.28	1124.73	-130.28	-2.23
3	95	519	0.72	0.24	0.70	0.26	9.93e-02	602.75	49.92	596.63	56.04	57.85
3	95	520	0.16	-0.13	0.15	-0.13	-4.58e-02	27.06	-331.59	-331.45	26.92	-7.11
3	95	521	0.21	-0.44	-0.44	0.21	3.80e-02	275.36	60.91	265.45	70.82	-45.03
3	95	522	0.85	-0.17	0.70	-2.27e-02	-0.36	1662.74	-166.81	1662.73	-166.80	4.42
3	95	523	-1.01	-5.48	-5.29	-1.20	-0.91	-19.78	-1293.73	-1293.51	-19.99	-16.44
3	95	542	0.11	-3.69	-3.69	0.11	-5.26e-02	62.55	-762.50	-761.99	62.04	20.45
3	95	544	2.28	0.48	2.26	0.50	-0.18	23.75	-132.12	-10.39	-97.98	64.46
3	95	546	0.26	-3.75	-3.74	0.25	-0.12	32.09	-1553.13	-1552.66	31.62	-27.31
3	95	550	-0.56	-8.31	-8.20	-0.68	-0.92	35.07	-1146.92	-1143.53	31.68	-63.20
3	104	17	1.15	0.23	1.05	0.32	0.29	455.19	7.63	454.04	8.77	-22.58
3	104	60	0.82	0.23	0.58	0.47	-0.29	210.86	-104.81	203.78	-97.74	46.73
3	104	61	-0.19	-1.34	-0.91	-0.62	0.55	1586.04	449.77	1577.10	458.71	-100.41
3	104	62	0.55	-1.98	-1.77	0.33	0.71	-98.72	-731.20	-715.29	-114.63	-99.05
3	104	63	-1.00	-4.09	-3.76	-1.33	0.96	-12.22	-1419.05	-1418.44	-12.83	-29.40
3	104	64	5.84	-3.09	-1.16	3.92	-3.67	-44.23	-1104.54	-1104.35	-44.43	14.45
3	104	67	3.65	-6.64	-6.18	3.18	2.14	808.93	-44.57	618.54	145.82	355.31
3	104	68	6.03	-0.33	0.91	4.79	-2.52	151.66	-187.58	-65.82	29.90	-162.73
3	104	69	11.25	4.86e-02	0.43	10.86	2.04	214.18	-158.47	-73.60	129.31	156.28
3	104	70	9.00	-2.40	-2.11	8.71	-1.79	118.36	-276.14	-258.37	100.58	-81.84
3	104	72	2.17	-4.18e-02	2.17	-4.14e-02	-3.08e-02	-86.82	-441.95	-440.79	-87.97	-20.20
3	104	73	11.61	-2.21	-2.18	11.58	0.61	257.70	-266.74	-249.98	240.94	92.25
3	104	74	6.47	-0.97	-0.78	6.28	1.16	32.14	-179.80	31.92	-179.57	6.91
3	104	75	4.96	1.49	3.58	2.87	1.70	2.12	-218.09	-3.12	-212.85	-33.58
3	104	76	6.99	2.40	3.04	6.35	-1.60	7.63	-115.48	-7.78	-100.07	40.74
3	104	94	4.92	-0.24	-0.24	4.92	1.39e-02	15.06	-285.02	15.04	-285.00	-2.84
3	104	95	3.03	-0.33	-0.33	3.03	-0.11	11.80	-289.19	11.77	-289.16	2.89
3	104	96	5.72	-0.37	-0.35	5.71	0.33	12.78	-256.77	12.76	-256.76	2.18
3	104	98	6.28	-0.71	-0.55	6.12	-1.06	30.56	-38.77	29.41	-37.62	-8.85
3	104	99	5.40	1.78	3.49	3.69	-1.81	8.75	-100.07	-15.96	-75.37	45.59
3	104	102	11.50	-1.90	-1.88	11.48	0.53	406.10	-222.55	-210.12	393.67	87.50
3	104	104	-0.56	-2.65	-2.65	-0.56	2.39e-02	-87.11	-433.56	-432.96	-87.72	14.46
3	104	105	12.01	-2.30	-2.21	11.92	-1.15	202.16	-283.21	-266.13	185.08	-89.44
3	104	106	9.53e-02	-1.20	-1.18	7.18e-02	-0.17	-92.29	-551.04	-545.67	-97.66	-49.35
3	104	112	10.29	-0.17	0.57	9.55	2.68	317.31	-142.19	-78.57	253.69	158.70

3	104	114	3.46	-9.03	-8.86	3.29	1.46	802.18	-53.67	594.12	154.40	367.12
3	104	137	6.91	-6.04	-3.75	4.63	-4.94	-44.17	-813.42	-809.27	-48.31	56.33
3	104	138	-1.11	-6.02	-5.88	-1.25	0.81	-14.53	-1140.58	-1140.34	-14.77	16.68
3	104	139	-0.26	-6.13	-6.12	-0.26	-0.17	-86.99	-326.23	-325.12	-88.10	-16.25
3	104	140	0.86	-4.26	-3.48	8.41e-02	1.84	1289.15	351.32	1275.33	365.13	-112.99
3	104	141	-8.54e-02	-1.50	-1.20	-0.39	-0.58	-65.95	-232.30	-203.62	-94.63	62.84
3	104	142	-0.17	-1.85	-1.85	-0.17	-8.27e-02	-60.34	-161.55	-127.25	-94.65	-47.91
3	104	143	0.30	-3.82	-3.62	9.50e-02	-0.89	1199.28	343.09	1187.81	354.56	98.43
3	104	145	4.21e-02	-5.54	-5.53	3.14e-02	-0.24	-20.38	-1026.78	-1026.44	-20.72	-18.55
3	104	146	-0.24	-5.54	-5.53	-0.24	-0.16	-82.57	-465.44	-458.05	-89.96	-52.67
3	104	147	-0.23	-4.80	-4.75	-0.27	0.46	1124.56	288.09	1099.46	313.19	-142.70
3	104	148	1.00	-2.22	-2.07	0.84	0.69	-130.60	-341.72	-341.56	-130.76	5.75
3	104	149	-1.79	-7.39	-7.34	-1.83	-0.50	565.19	220.56	563.87	221.88	-21.29
3	104	150	2.07	-3.47	-3.41	2.01	-0.55	-69.60	-530.80	-529.97	-70.43	19.50
3	104	151	0.47	-2.87	-2.82	0.42	0.40	726.98	282.53	724.58	284.93	-32.58
3	104	173	0.99	-0.59	0.74	-0.35	0.57	1191.07	393.47	1189.46	395.09	-35.84
3	104	176	0.28	-2.24	-2.21	0.24	0.29	34.83	-118.25	1.23	-84.64	-63.37
3	104	177	-0.24	-3.26	-3.22	-0.28	-0.34	1191.06	393.44	1190.29	394.21	24.76
3	104	178	0.26	-2.95	-2.95	0.26	6.13e-02	-100.80	-741.53	-735.48	-106.85	61.98
3	104	179	-2.99e-02	-2.54	-2.48	-8.69e-02	0.37	-89.06	-1038.21	-1032.05	-95.22	-76.22
3	104	180	-5.76e-02	-2.35	-2.34	-6.52e-02	0.13	1126.73	378.47	1125.87	379.34	-25.47
3	104	181	-9.16e-02	-1.83	-1.83	-9.17e-02	-7.46e-03	447.32	6.76	446.79	7.29	15.33
3	104	183	0.32	-1.32	-1.26	0.26	0.30	215.07	-106.50	206.00	-97.43	-53.25
3	104	184	-0.39	-2.52	-2.47	-0.44	-0.32	1578.59	453.48	1571.31	460.75	90.16
3	104	185	0.15	-3.26	-3.13	2.30e-02	-0.65	-100.32	-737.30	-722.91	-114.71	94.68
3	104	187	5.97	-3.90	-1.82	3.89	4.02	-44.94	-1096.75	-1096.41	-45.28	-18.99
3	104	190	3.21	-6.83	-6.44	2.82	-1.94	833.87	-40.55	635.17	158.15	-366.42
3	104	213	7.90	-1.54	7.88	-1.52	0.45	401.18	14.44	368.06	47.56	108.21
3	104	214	-0.47	-7.94	-7.74	-0.67	-1.19	29.15	-699.54	-699.10	28.71	-17.97
3	104	215	0.30	-6.87	-6.87	0.30	-8.70e-02	26.98	-1105.99	-1105.91	26.90	9.75
3	104	216	-0.25	-6.02	-6.00	-0.26	0.28	62.32	-258.27	-249.11	53.16	53.44
3	104	217	0.52	-4.02	-3.63	0.13	-1.27	1171.41	-122.74	1170.56	-121.89	33.14
3	104	218	-0.12	-2.11	-2.00	-0.23	0.45	53.57	-218.73	-218.47	53.31	-8.40
3	104	219	-0.24	-2.83	-2.80	-0.26	-0.24	56.49	-125.43	-123.79	54.85	17.17
3	104	220	0.21	-3.65	-3.57	0.13	0.53	1102.70	-116.62	1102.38	-116.29	-19.90
3	104	221	-0.15	-5.25	-5.25	-0.16	-3.88e-02	51.52	-502.41	-499.96	49.07	-36.76
3	104	222	0.19	-5.61	-5.61	0.19	1.89e-02	25.55	-1012.18	-1012.15	25.51	-6.17
3	104	223	-0.48	-6.72	-6.72	-0.48	-1.27e-02	46.58	-396.40	-395.19	45.37	23.08
3	104	224	0.31	-4.91	-4.82	0.22	-0.66	1011.75	-90.39	1011.53	-90.17	15.64
3	104	225	-0.54	-8.19	-8.18	-0.55	0.32	64.31	-357.80	-357.22	63.74	-15.59
3	104	226	3.88	0.27	3.88	0.28	8.10e-02	507.10	-61.69	506.37	-60.96	-20.37
3	104	227	4.23e-02	-9.54	-9.54	4.12e-02	0.10	40.03	-528.40	-526.61	38.24	-31.89
3	104	228	-0.63	-5.87	-5.86	-0.63	-0.10	40.16	-416.35	-416.33	40.15	-2.76
3	104	235	0.23	-4.57	-4.56	0.22	-0.24	658.76	-77.77	658.62	-77.63	-10.25
3	104	236	-0.37	-2.82	-2.81	-0.38	0.18	43.92	-430.42	-430.02	43.52	-13.75
3	104	237	-3.46e-02	-3.15	-3.14	-3.87e-02	-0.11	70.94	33.48	46.44	57.98	17.82
3	104	254	0.12	-2.09	-2.06	8.77e-02	0.25	1100.38	-123.11	1100.29	-123.03	-10.29
3	104	255	9.12e-04	-4.00	-4.00	3.59e-04	-4.70e-02	54.19	-697.35	-696.68	53.51	-22.50
3	104	256	-1.21e-02	-2.95	-2.95	-1.28e-02	-4.34e-02	48.34	-1026.63	-1026.59	48.30	6.81
3	104	257	4.65e-02	-1.42	-1.42	4.56e-02	-3.69e-02	997.86	-116.42	997.86	-116.41	-2.08
3	104	258	-0.13	-1.74	-1.74	-0.13	-6.95e-04	525.53	44.26	519.23	50.57	-54.73
3	104	259	4.17e-02	-2.06	-2.06	4.12e-02	-3.10e-02	23.85	-296.15	-296.14	23.84	2.14
3	104	260	4.43e-03	-2.30	-2.30	3.72e-03	-4.03e-02	246.20	57.03	240.09	63.14	33.44
3	104	261	7.87e-02	-1.06	-1.01	2.71e-02	0.24	1471.51	-148.60	1471.47	-148.56	-7.97
3	104	263	6.39	-1.27	6.36	-1.25	0.43	432.20	35.82	403.92	64.10	102.03
3	104	266	0.46	-0.40	0.30	-0.24	-0.34	1125.18	378.47	1124.90	378.75	14.40
3	104	268	-0.13	-3.99	-3.94	-0.18	-0.42	-87.73	-323.21	-322.27	-88.67	14.86
3	104	271	6.97e-02	-3.73	-3.73	6.97e-02	4.56e-03	55.82	-680.43	-679.84	55.24	-20.67
3	104	309	0.21	-5.21	-5.20	0.21	0.14	28.47	-1371.45	-1371.20	28.22	18.71
3	104	310	-0.51	-8.00	-7.90	-0.61	0.86	29.46	-1007.50	-1005.49	27.46	45.54
3	104	334	0.75	-2.21	-1.50	3.47e-02	-1.26	1297.19	355.42	1284.29	368.32	109.46
3	104	341	0.81	-0.29	0.74	-0.22	-0.26	-64.14	-234.05	-202.86	-95.33	-65.78
3	104	342	1.17	-2.60e-02	1.16	-2.11e-02	-7.68e-02	-61.16	-171.02	-138.37	-93.81	50.21
3	104	346	0.79	-0.86	-2.28e-02	-3.90e-02	0.82	1223.12	344.27	1210.06	357.33	-106.33
3	104	363	7.61	-9.47e-02	-9.45e-02	7.61	-3.87e-02	12.20	-258.05	12.20	-258.05	0.18
3	104	364	6.63	-1.03	6.59	-0.99	-0.54	438.34	41.32	407.09	72.57	-106.92
3	104	371	-4.36e-02	-0.89	-0.89	-4.36e-02	1.48e-03	-21.70	-1027.09	-1026.95	-21.84	11.71
3	104	372	0.40	0.14	0.24	0.30	0.13	-99.86	-740.30	-732.73	-107.43	-69.23
3	104	374	0.11	-0.61	-0.61	0.11	2.08e-02	-83.98	-470.44	-464.73	-89.68	46.60
3	104	382	4.59	0.84	4.22	1.21	-1.11	-130.61	-326.75	-326.22	-131.13	-10.12
3	104	388	-1.20	-2.40	-1.24	-2.35	0.23	615.51	226.23	615.14	226.60	11.95
3	104	391	4.30	1.51	3.59	2.23	1.22	-70.37	-519.77	-518.23	-71.91	-26.26
3	104	412	0.65	-0.19	0.56	-9.96e-02	0.27	-37.92	-279.91	-278.86	-38.97	-15.92
3	104	413	8.86	-0.53	-0.46	8.78	0.85	27.00	-99.15	26.72	-98.87	5.95
3	104	416	-2.96e-02	-1.56	-1.56	-3.01e-02	-2.83e-02	-38.53	-281.64	-281.33	-38.83	8.57
3	104	419	1.75	-4.41e-02	1.72	-1.18e-02	-0.24	696.85	282.06	696.03	282.88	18.41
3	104	428	1.71	-1.03	1.40	-0.72	-0.86	-54.51	-459.83	-440.56	-73.77	86.23
3	104	432	-1.05	-4.50	-4.08	-1.47	1.12	-52.32	-453.63	-431.28	-74.66	-92.02
3	104	434	1.10	-0.63	0.86	-0.39	-0.60	1109.51	287.53	1085.90	311.14	137.31
3	104	452	0.10	2.36e-02	2.74e-02	9.89e-02	1.70e-02	-89.61	-1038.58	-1033.58	-94.61	68.67

3	104	453	7.32	-0.52	-0.44	7.25	-0.76	27.72	-66.27	27.38	-65.93	-5.65
3	104	469	3.47	-7.70	-7.69	3.46	-0.41	841.54	-17.39	623.73	200.42	-373.68
3	104	472	6.40	-1.48	6.36	-1.44	-0.52	397.15	53.63	361.26	89.53	-105.08
3	104	475	-0.42	-6.56	-6.39	-0.59	1.02	26.67	-705.03	-704.72	26.36	15.13
3	104	476	0.22	-5.59	-5.59	0.22	3.67e-02	26.47	-1107.14	-1107.02	26.35	-11.39
3	104	478	-9.84e-02	-3.81	-3.80	-0.10	-0.14	62.99	-255.96	-246.25	53.28	-54.80
3	104	479	0.32	-1.86	-1.59	5.46e-02	0.71	1181.86	-123.24	1180.90	-122.27	-35.54
3	104	480	0.50	-0.16	0.47	-0.13	-0.14	55.22	-210.28	-210.27	55.20	1.84
3	104	481	0.98	0.14	0.98	0.14	4.72e-02	52.79	-125.51	-123.20	50.49	-20.14
3	104	484	0.29	-0.68	-0.17	-0.22	-0.48	1099.91	-117.01	1098.63	-115.73	39.43
3	104	485	0.12	-0.65	-0.63	9.86e-02	0.12	54.06	-508.88	-506.97	52.14	32.76
3	104	494	-7.47e-02	-5.10	-5.10	-7.85e-02	-0.14	-93.03	-552.82	-548.90	-96.95	42.27
3	104	498	7.34	2.30	2.92	6.72	1.65	3.72	-140.46	-5.93	-130.81	-36.04
3	104	499	11.47	7.07e-02	0.45	11.09	-2.05	179.08	-164.99	-71.06	85.16	-153.28
3	104	502	-0.80	-4.56	-4.27	-1.09	-1.01	-12.33	-1419.12	-1418.69	-12.76	24.61
3	104	504	9.74e-03	-0.62	-0.62	9.56e-03	-1.07e-02	23.84	-1018.32	-1018.32	23.84	0.59
3	104	505	7.51e-03	-0.76	-0.73	-1.75e-02	-0.14	46.53	-404.22	-402.65	44.96	-26.57
3	104	506	1.44	-0.29	1.08	6.82e-02	0.70	998.69	-89.77	998.34	-89.42	-19.43
3	104	507	-0.24	-1.22	-1.16	-0.30	-0.24	64.31	-343.25	-342.93	63.99	11.38
3	104	508	13.92	0.23	13.92	0.23	-0.14	557.09	-63.20	556.60	-62.70	17.48
3	104	509	-0.24	-3.23	-3.23	-0.24	4.46e-02	40.04	-515.20	-513.62	38.47	29.50
3	104	510	5.36	-5.25	-3.47	3.57	3.97	-44.24	-817.99	-813.69	-48.54	-57.51
3	104	511	0.43	-3.07e-02	0.24	0.15	-0.22	40.08	-428.48	-428.48	40.08	0.71
3	104	512	1.73	-5.46e-02	1.72	-4.00e-02	0.16	631.76	-76.76	631.67	-76.67	7.83
3	104	513	1.85	-8.58e-02	1.85	-8.48e-02	4.57e-02	43.50	-435.67	-435.48	43.31	9.56
3	104	514	1.86	0.38	1.85	0.38	-5.58e-02	71.43	22.42	35.78	58.07	-21.82
3	104	515	2.11	-0.19	2.02	-0.10	-0.44	1100.41	-123.25	1100.38	-123.22	6.37
3	104	516	0.25	-1.46e-02	5.24e-02	0.19	0.12	53.98	-693.50	-693.06	53.54	18.06
3	104	517	7.16e-02	-8.23e-02	-4.62e-02	3.54e-02	-6.53e-02	48.44	-1028.72	-1028.60	48.32	-11.32
3	104	518	0.95	-0.16	0.81	-2.05e-02	0.37	994.86	-116.20	994.86	-116.20	-1.74
3	104	519	0.80	0.24	0.78	0.26	9.93e-02	531.08	44.92	525.75	50.25	50.61
3	104	520	0.26	-0.13	0.26	-0.12	-4.42e-02	24.00	-293.64	-293.52	23.87	-6.30
3	104	521	0.20	-0.27	-0.26	0.20	2.92e-02	244.36	55.38	236.59	63.15	-37.51
3	104	522	0.88	-0.14	0.76	-2.57e-02	-0.33	1477.67	-148.50	1477.66	-148.49	5.19
3	104	523	-0.89	-4.77	-4.59	-1.07	-0.82	-14.42	-1141.40	-1141.11	-14.72	-18.16
3	104	542	0.11	-3.12	-3.12	0.11	-4.13e-02	55.68	-671.39	-670.93	55.23	18.21
3	104	544	2.19	0.44	2.17	0.46	-0.15	22.04	-115.66	-8.63	-84.99	57.29
3	104	546	0.22	-3.20	-3.19	0.22	-0.11	28.57	-1371.80	-1371.48	28.25	-21.08
3	104	550	-0.51	-7.34	-7.24	-0.61	-0.82	30.04	-1017.92	-1015.69	27.82	-48.21
3	106	17	1.17	0.23	1.08	0.32	0.28	440.28	8.68	439.10	9.86	-22.58
3	106	60	0.83	0.24	0.61	0.46	-0.28	205.10	-101.23	197.90	-94.03	46.40
3	106	61	-0.17	-1.27	-0.83	-0.60	0.54	1536.18	438.98	1527.58	447.57	-96.74
3	106	62	0.54	-1.88	-1.67	0.32	0.68	-95.09	-705.73	-690.38	-110.44	-95.60
3	106	63	-0.96	-3.93	-3.60	-1.29	0.94	-11.14	-1371.80	-1371.27	-11.67	-26.99
3	106	64	5.67	-2.95	-1.09	3.81	-3.55	-43.00	-1069.00	-1068.72	-43.29	17.12
3	106	67	3.57	-6.43	-5.96	3.10	2.12	782.62	-39.26	598.18	145.17	342.88
3	106	68	5.89	-0.32	0.87	4.69	-2.45	148.79	-181.63	-64.11	31.27	-158.18
3	106	69	10.99	4.61e-02	0.42	10.62	1.98	212.09	-153.00	-71.77	130.86	151.84
3	106	70	8.66	-2.31	-2.05	8.40	-1.67	117.76	-265.12	-247.20	99.84	-80.87
3	106	72	2.18	-3.45e-02	2.18	-3.41e-02	-3.01e-02	-83.29	-426.64	-425.38	-84.55	-20.76
3	106	73	11.26	-2.14	-2.12	11.25	0.49	256.61	-253.85	-237.07	239.84	91.00
3	106	74	6.18	-0.94	-0.76	5.99	1.13	31.37	-178.26	31.18	-178.07	6.32
3	106	75	4.78	1.41	3.48	2.71	1.64	2.54	-215.58	-2.77	-210.26	-33.63
3	106	76	6.73	2.32	2.94	6.11	-1.54	8.02	-114.64	-7.46	-99.16	40.74
3	106	94	4.69	-0.23	-0.23	4.69	1.27e-02	14.79	-281.60	14.76	-281.57	-2.81
3	106	95	2.87	-0.32	-0.32	2.87	-0.10	12.03	-285.45	12.00	-285.42	2.87
3	106	96	5.51	-0.36	-0.35	5.49	0.32	12.95	-254.37	12.93	-254.35	2.15
3	106	98	6.02	-0.69	-0.53	5.85	-1.03	29.88	-38.62	28.85	-37.60	-8.32
3	106	99	5.21	1.70	3.39	3.52	-1.75	9.32	-99.08	-15.46	-74.30	45.52
3	106	102	11.17	-1.85	-1.83	11.16	0.42	402.07	-211.94	-199.50	389.63	86.51
3	106	104	-0.54	-2.58	-2.58	-0.54	2.33e-02	-83.61	-418.30	-417.62	-84.29	15.07
3	106	105	11.66	-2.22	-2.15	11.58	-1.02	201.69	-270.16	-253.05	184.58	-88.22
3	106	106	9.62e-02	-1.11	-1.09	7.25e-02	-0.17	-88.56	-532.96	-527.59	-93.93	-48.53
3	106	112	10.06	-0.16	0.55	9.34	2.61	313.76	-138.21	-76.85	252.40	154.82
3	106	114	3.39	-8.78	-8.60	3.21	1.47	778.59	-49.12	576.52	152.94	355.56
3	106	137	6.73	-5.85	-3.63	4.51	-4.80	-42.48	-786.36	-781.93	-46.91	57.25
3	106	138	-1.08	-5.84	-5.70	-1.21	0.79	-13.18	-1102.54	-1102.26	-13.45	17.35
3	106	139	-0.25	-5.93	-5.93	-0.25	-0.17	-83.65	-315.47	-314.40	-84.72	-15.69
3	106	140	0.83	-4.13	-3.39	7.94e-02	1.78	1246.75	343.28	1233.42	356.60	-108.89
3	106	141	-8.29e-02	-1.47	-1.18	-0.37	-0.57	-62.85	-225.21	-197.00	-91.05	61.51
3	106	142	-0.16	-1.82	-1.82	-0.17	-8.12e-02	-57.63	-156.42	-122.91	-91.15	-46.77
3	106	143	0.28	-3.73	-3.54	9.16e-02	-0.86	1160.59	335.74	1149.44	346.90	95.27
3	106	145	4.15e-02	-5.40	-5.39	3.10e-02	-0.24	-18.81	-992.76	-992.41	-19.15	-18.40
3	106	146	-0.23	-5.40	-5.40	-0.24	-0.16	-78.93	-450.28	-442.67	-86.54	-52.59
3	106	147	-0.22	-4.70	-4.65	-0.27	0.45	1089.01	281.34	1064.17	306.18	-139.44
3	106	148	0.97	-2.20	-2.05	0.82	0.68	-126.83	-331.39	-331.31	-126.92	4.16
3	106	149	-1.73	-7.21	-7.17	-1.78	-0.50	544.52	218.74	543.18	220.08	-20.86
3	106	150	2.00	-3.40	-3.35	1.95	-0.53	-66.94	-514.19	-513.22	-67.91	20.85
3	106	151	0.46	-2.80	-2.76	0.41	0.39	706.31	276.61	704.07	278.85	-30.92
3	106	173	1.02	-0.57	0.79	-0.34	0.55	1152.66	384.52	1151.03	386.15	-35.38

3	106	176	0.27	-2.19	-2.16	0.24	0.28	34.30	-114.06	1.66	-81.42	-61.46
3	106	177	-0.24	-3.17	-3.13	-0.27	-0.32	1152.63	384.51	1151.85	385.29	24.42
3	106	178	0.26	-2.86	-2.86	0.26	6.12e-02	-96.96	-717.29	-711.24	-103.02	60.98
3	106	179	-2.89e-02	-2.45	-2.40	-8.56e-02	0.37	-85.55	-1003.97	-997.92	-91.61	-74.32
3	106	180	-5.70e-02	-2.28	-2.27	-6.36e-02	0.12	1090.11	370.43	1089.24	371.29	-24.92
3	106	181	-8.87e-02	-1.78	-1.78	-8.87e-02	-1.08e-03	432.48	7.84	431.92	8.40	15.41
3	106	183	0.31	-1.27	-1.22	0.26	0.29	209.31	-102.95	200.09	-93.73	-52.85
3	106	184	-0.38	-2.43	-2.38	-0.43	-0.31	1528.81	442.64	1521.86	449.59	86.59
3	106	185	0.15	-3.14	-3.01	2.62e-02	-0.63	-96.67	-711.77	-697.92	-110.53	91.28
3	106	187	5.79	-3.75	-1.73	3.78	3.89	-43.67	-1061.32	-1060.86	-44.13	-21.61
3	106	190	3.14	-6.62	-6.22	2.75	-1.93	807.31	-35.30	614.63	157.37	-353.87
3	106	213	7.68	-1.48	7.66	-1.46	0.44	389.72	15.88	358.41	47.18	103.55
3	106	214	-0.46	-7.71	-7.51	-0.65	-1.16	28.10	-676.30	-675.96	27.76	-15.55
3	106	215	0.29	-6.65	-6.64	0.29	-8.54e-02	26.18	-1069.42	-1069.33	26.09	10.05
3	106	216	-0.24	-5.84	-5.83	-0.26	0.27	60.34	-250.20	-241.38	51.52	51.60
3	106	217	0.50	-3.90	-3.53	0.13	-1.23	1132.96	-118.91	1132.13	-118.07	32.26
3	106	218	-0.12	-2.06	-1.96	-0.22	0.44	51.88	-212.15	-211.93	51.66	-7.62
3	106	219	-0.23	-2.77	-2.75	-0.26	-0.23	54.71	-121.49	-119.97	53.19	16.30
3	106	220	0.20	-3.56	-3.49	0.13	0.51	1067.18	-113.04	1066.87	-112.73	-19.09
3	106	221	-0.15	-5.12	-5.12	-0.15	-3.68e-02	49.86	-486.41	-484.12	47.57	-34.99
3	106	222	0.19	-5.48	-5.48	0.19	1.84e-02	24.76	-979.10	-979.06	24.73	-6.24
3	106	223	-0.47	-6.56	-6.56	-0.47	-1.37e-02	45.04	-383.44	-382.38	43.98	21.30
3	106	224	0.30	-4.80	-4.72	0.22	-0.64	979.26	-87.58	979.07	-87.39	14.29
3	106	225	-0.52	-8.01	-8.00	-0.53	0.31	62.45	-347.72	-347.09	61.82	-16.07
3	106	226	3.71	0.27	3.71	0.27	7.38e-02	488.83	-59.92	488.13	-59.22	-19.56
3	106	227	4.32e-02	-9.30	-9.30	4.21e-02	0.10	38.66	-512.35	-510.78	37.09	-29.35
3	106	228	-0.62	-5.72	-5.72	-0.62	-0.10	38.96	-402.05	-402.04	38.95	-2.26
3	106	235	0.22	-4.47	-4.46	0.21	-0.23	640.10	-75.45	639.98	-75.33	-9.23
3	106	236	-0.36	-2.75	-2.74	-0.37	0.18	42.53	-415.93	-415.58	42.18	-12.67
3	106	237	-3.43e-02	-3.07	-3.07	-3.82e-02	-0.11	68.63	32.66	45.04	56.24	17.09
3	106	254	0.11	-2.03	-2.01	8.56e-02	0.24	1064.97	-119.32	1064.89	-119.24	-9.64
3	106	255	4.95e-04	-3.89	-3.89	-3.85e-05	-4.55e-02	52.49	-674.91	-674.30	51.88	-21.09
3	106	256	-1.20e-02	-2.86	-2.86	-1.27e-02	-4.30e-02	46.83	-993.39	-993.35	46.79	6.14
3	106	257	4.38e-02	-1.37	-1.37	4.32e-02	-2.96e-02	965.23	-112.89	965.23	-112.89	-2.16
3	106	258	-0.13	-1.69	-1.69	-0.13	-4.05e-03	507.88	43.01	501.78	49.10	-52.87
3	106	259	4.01e-02	-2.00	-2.00	3.96e-02	-2.95e-02	23.09	-286.60	-286.59	23.08	1.99
3	106	260	5.32e-03	-2.22	-2.22	4.66e-03	-3.83e-02	238.28	55.58	232.63	61.22	31.61
3	106	261	7.64e-02	-1.02	-0.97	2.59e-02	0.23	1425.36	-144.02	1425.32	-143.98	-8.14
3	106	263	6.18	-1.20	6.16	-1.18	0.42	418.90	36.86	392.31	63.45	97.22
3	106	266	0.50	-0.38	0.35	-0.23	-0.33	1088.56	370.43	1088.29	370.70	13.96
3	106	268	-0.12	-3.83	-3.79	-0.17	-0.40	-84.38	-312.53	-311.63	-85.29	14.31
3	106	271	6.80e-02	-3.59	-3.59	6.80e-02	4.05e-03	54.11	-657.38	-656.81	53.54	-20.08
3	106	309	0.20	-5.02	-5.01	0.20	0.13	27.60	-1326.16	-1325.95	27.38	17.18
3	106	310	-0.49	-7.75	-7.65	-0.59	0.83	28.24	-975.65	-973.90	26.50	41.82
3	106	334	0.73	-2.12	-1.43	3.28e-02	-1.22	1254.68	347.35	1242.27	359.75	105.36
3	106	341	0.81	-0.28	0.74	-0.21	-0.26	-61.03	-226.91	-196.18	-91.76	-64.45
3	106	342	1.16	-2.29e-02	1.16	-1.79e-02	-7.63e-02	-58.53	-165.72	-133.79	-90.46	49.02
3	106	346	0.79	-0.81	2.03e-02	-3.85e-02	0.80	1183.82	336.72	1171.01	349.54	-103.40
3	106	363	7.32	-9.16e-02	-9.14e-02	7.32	-3.71e-02	12.00	-255.86	12.00	-255.86	0.18
3	106	364	6.42	-0.97	6.38	-0.94	-0.52	424.94	42.33	395.45	71.82	-102.05
3	106	371	-4.33e-02	-0.80	-0.80	-4.33e-02	-1.11e-03	-20.07	-993.07	-992.93	-20.21	11.64
3	106	372	0.42	0.17	0.30	0.30	0.13	-96.01	-716.11	-708.52	-103.59	-68.16
3	106	374	0.11	-0.53	-0.53	0.11	1.82e-02	-80.38	-455.18	-449.30	-86.26	46.58
3	106	382	4.53	0.83	4.17	1.18	-1.09	-126.91	-316.51	-316.13	-127.29	-8.48
3	106	388	-1.09	-2.33	-1.14	-2.29	0.23	594.27	224.38	593.90	224.74	11.60
3	106	391	4.25	1.49	3.58	2.16	1.18	-67.63	-503.35	-501.60	-69.38	-27.54
3	106	412	0.68	-0.19	0.59	-9.69e-02	0.26	-35.82	-270.14	-269.13	-36.83	-15.35
3	106	413	8.53	-0.52	-0.44	8.45	0.83	26.42	-98.84	26.17	-98.60	5.50
3	106	416	-2.99e-02	-1.50	-1.50	-3.04e-02	-2.74e-02	-36.42	-271.86	-271.58	-36.69	8.08
3	106	419	1.77	-4.68e-02	1.74	-1.67e-02	-0.23	676.53	276.11	675.82	276.82	16.90
3	106	428	1.73	-0.98	1.44	-0.69	-0.84	-52.58	-443.64	-425.39	-70.83	82.49
3	106	432	-1.02	-4.39	-3.99	-1.43	1.09	-50.44	-437.48	-416.20	-71.71	-88.22
3	106	434	1.12	-0.61	0.90	-0.38	-0.58	1074.10	280.81	1050.75	304.16	134.09
3	106	452	0.11	7.28e-02	8.74e-02	9.78e-02	1.91e-02	-86.11	-1004.32	-999.43	-91.00	66.85
3	106	453	7.03	-0.50	-0.43	6.96	-0.74	27.12	-66.30	26.83	-66.01	-5.20
3	106	469	3.40	-7.45	-7.44	3.39	-0.43	817.56	-13.36	605.80	198.40	-362.09
3	106	472	6.19	-1.44	6.16	-1.40	-0.50	385.70	54.47	351.54	88.63	-100.74
3	106	475	-0.40	-6.35	-6.18	-0.57	0.98	25.68	-681.63	-681.40	25.45	12.76
3	106	476	0.21	-5.38	-5.38	0.21	3.62e-02	25.68	-1070.54	-1070.42	25.56	-11.66
3	106	478	-9.27e-02	-3.66	-3.65	-9.77e-02	-0.13	60.99	-247.98	-238.62	51.64	-52.94
3	106	479	0.31	-1.77	-1.52	5.16e-02	0.69	1143.27	-119.41	1142.32	-118.46	-34.62
3	106	480	0.51	-0.16	0.48	-0.13	-0.13	53.52	-203.86	-203.85	53.51	1.20
3	106	481	1.00	0.14	1.00	0.14	4.28e-02	51.12	-121.71	-119.56	48.98	-19.13
3	106	484	0.31	-0.63	-0.11	-0.21	-0.46	1064.36	-113.45	1063.16	-112.25	37.58
3	106	485	0.12	-0.58	-0.56	9.71e-02	0.12	52.32	-492.43	-490.64	50.53	31.18
3	106	494	-7.30e-02	-4.97	-4.97	-7.69e-02	-0.14	-89.43	-534.76	-530.82	-93.36	41.68
3	106	498	7.08	2.22	2.82	6.48	1.60	4.11	-139.32	-5.64	-129.57	-36.10
3	106	499	11.22	6.83e-02	0.44	10.85	-1.99	177.14	-159.22	-69.27	87.19	-148.88
3	106	502	-0.77	-4.40	-4.12	-1.06	-0.98	-11.24	-1371.88	-1371.52	-11.61	22.24
3	106	504	6.87e-03	-0.55	-0.55	6.68e-03	-1.04e-02	23.10	-985.08	-985.08	23.10	0.77

3	106	505	1.58e-02	-0.67	-0.64	-1.13e-02	-0.13	44.99	-391.17	-389.77	43.58	-24.75
3	106	506	1.45	-0.27	1.12	6.46e-02	0.68	966.33	-86.96	966.02	-86.65	-18.04
3	106	507	-0.22	-1.12	-1.06	-0.29	-0.23	62.43	-333.31	-332.95	62.07	11.90
3	106	508	13.64	0.22	13.63	0.22	-0.13	538.29	-61.41	537.82	-60.94	16.70
3	106	509	-0.23	-3.06	-3.06	-0.23	4.35e-02	38.68	-499.30	-497.94	37.32	26.99
3	106	510	5.19	-5.07	-3.34	3.47	3.84	-42.54	-790.83	-786.24	-47.13	-58.42
3	106	511	0.48	2.48e-03	0.32	0.16	-0.22	38.88	-414.07	-414.07	38.88	0.24
3	106	512	1.77	-5.59e-02	1.76	-4.23e-02	0.16	613.38	-74.44	613.31	-74.38	6.84
3	106	513	1.87	-8.00e-02	1.86	-7.89e-02	4.72e-02	42.13	-421.13	-420.98	41.98	8.52
3	106	514	1.88	0.37	1.88	0.38	-5.75e-02	69.13	21.70	34.50	56.33	-21.05
3	106	515	2.12	-0.18	2.03	-0.10	-0.43	1065.01	-119.45	1064.98	-119.43	5.76
3	106	516	0.27	3.63e-02	0.12	0.18	0.11	52.29	-671.10	-670.71	51.91	16.70
3	106	517	9.14e-02	-3.82e-02	1.84e-02	3.48e-02	-6.43e-02	46.92	-995.45	-995.34	46.82	-10.60
3	106	518	0.97	-0.15	0.84	-2.21e-02	0.36	962.26	-112.68	962.26	-112.68	-1.62
3	106	519	0.84	0.24	0.82	0.26	0.10	513.37	43.66	508.24	48.78	48.79
3	106	520	0.30	-0.13	0.30	-0.12	-4.43e-02	23.24	-284.12	-284.00	23.11	-6.11
3	106	521	0.20	-0.21	-0.21	0.20	2.72e-02	236.42	53.98	229.17	61.23	-35.64
3	106	522	0.90	-0.14	0.79	-2.68e-02	-0.32	1431.46	-143.93	1431.44	-143.91	5.39
3	106	523	-0.86	-4.60	-4.42	-1.04	-0.80	-13.07	-1103.35	-1103.03	-13.39	-18.80
3	106	542	0.11	-2.97	-2.97	0.11	-3.82e-02	53.97	-648.44	-647.99	53.53	17.65
3	106	544	2.19	0.44	2.18	0.45	-0.15	21.64	-111.50	-8.10	-81.76	55.45
3	106	546	0.21	-3.05	-3.05	0.21	-0.11	27.69	-1326.51	-1326.22	27.41	-19.53
3	106	550	-0.50	-7.10	-7.00	-0.59	-0.79	28.81	-985.95	-984.00	26.86	-44.46

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
	162.48	-143.88	-143.88	-22.53	-12.94	2409.81	-2174.40	-2173.31	-1685.04	-585.69
			162.48	36.70	13.27			2395.56	1989.53	561.04

Macro	Tipo	Angolo 1-X (gradi)
5	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
5	9	2	4.68e-02	-1.55	-1.54	3.75e-02	0.12	856.65	-82.05	389.98	384.62	-469.34
5	9	18	-1.71	-3.47	-2.60	-2.57	-0.88	873.27	-4.49	604.24	264.55	404.68
5	9	19	1.84	-0.47	1.23	0.14	1.02	1106.35	-481.35	386.34	238.66	-790.40
5	9	20	2.43	-0.83	1.96	-0.35	1.15	1193.13	42.15	1120.15	115.12	-280.48
5	9	21	0.49	-0.75	-0.63	0.37	0.37	602.54	161.18	161.18	602.54	0.35
5	9	22	10.11	-1.56	9.21	-0.67	3.10	-1537.53	-2419.49	-2342.38	-1614.63	-249.12
5	9	23	2.24	-0.90	1.89	-0.56	0.98	783.93	-384.83	514.35	-115.24	-492.35
5	9	24	2.10	-0.56	2.07	-0.53	0.30	-1994.97	-3588.49	-3579.20	-2004.26	121.32
5	9	25	2.41	4.98e-02	2.37	9.39e-02	0.32	1784.39	29.76	1511.11	303.03	636.25
5	9	26	2.24	0.11	2.24	0.11	-3.26e-02	1995.52	278.61	1860.55	413.58	-462.07
5	9	27	0.89	-0.84	0.88	-0.83	0.12	-1941.53	-3296.40	-3265.80	-1972.12	-201.29
5	9	28	-0.10	-1.05	-0.35	-0.79	-0.42	-340.02	-932.57	-536.54	-736.06	278.97
5	9	29	0.14	-1.04	-0.91	3.77e-03	0.38	612.32	252.39	284.76	579.95	102.97
5	9	30	0.14	-1.16	-0.40	-0.63	0.64	693.57	-442.72	384.16	-133.32	-505.81
5	9	31	1.67	-0.80	1.64	-0.77	-0.25	-2364.18	-4341.63	-4313.40	-2392.41	234.59
5	9	32	3.79	5.93e-02	3.79	6.70e-02	0.17	1886.09	-416.34	1228.89	240.86	1039.83
5	9	33	4.49	0.20	4.48	0.21	0.13	1782.09	-55.14	1665.33	61.62	448.21
5	9	34	7.85	-2.75	6.09	-0.99	3.94	1408.86	-38.54	1399.99	-29.67	112.99
5	9	35	10.41	-4.29	-2.57	8.70	4.72	-374.57	-550.08	-455.70	-468.95	87.50
5	9	36	0.98	-2.44	-1.88	0.42	-1.26	1511.53	277.74	1501.77	287.50	-109.32
5	9	37	-0.15	-2.02	-2.02	-0.15	9.79e-02	497.23	482.55	496.96	482.81	1.94
5	9	38	21.77	-0.62	-0.23	21.38	-2.93	45.35	-176.17	19.52	-150.34	71.10
5	9	55	5.66	0.88	5.65	0.89	0.20	1537.92	-117.72	1536.48	-116.28	48.84
5	9	56	0.88	-0.57	0.83	-0.52	-0.27	216.12	-249.57	122.57	-156.02	-186.59
5	9	57	1.80	-0.58	1.25	-3.38e-02	1.00	318.68	-3002.90	-3000.93	316.71	80.82
5	9	58	3.45	0.10	3.45	0.10	3.59e-02	1581.80	-190.70	1520.06	-128.96	324.99
5	9	59	3.08	-3.49e-02	3.07	-3.08e-02	-0.11	2026.81	-136.18	1995.59	-104.96	-257.97
5	9	66	0.30	-1.04	7.17e-02	-0.81	0.51	770.49	154.16	154.16	770.49	0.29
5	9	71	7.36	-2.58	4.19	0.59	4.63	1275.12	-182.81	1264.03	-171.72	126.65
5	9	88	1.03	-0.58	0.42	3.19e-02	-0.79	322.22	-2341.16	-2340.28	321.34	-48.41
5	9	89	0.63	-1.22	0.54	-1.13	0.40	806.20	-406.32	-209.87	609.75	-446.77
5	9	90	-0.39	-0.88	-0.71	-0.56	-0.23	-135.90	-1030.84	-1026.08	-140.67	-65.14
5	9	91	0.78	0.31	0.77	0.31	-2.34e-02	1595.91	-74.50	1594.93	-73.53	40.28
5	9	92	2.85	-6.11	-1.27e-02	-3.24	4.18	-1121.71	-2302.64	-1250.75	-2173.60	368.42
5	9	93	-2.32	-3.70	-2.33	-3.69	-7.42e-02	737.90	426.48	426.58	737.80	5.53
5	9	97	9.39	-1.94	-0.47	7.91	-3.82	218.13	-1899.11	203.03	-1884.00	178.20
5	9	100	14.98	1.18	14.73	1.43	1.85	1400.94	-201.48	1308.71	-109.25	373.20
5	9	101	-0.50	-15.40	-0.50	-15.40	5.19e-02	1625.94	-44.27	-44.26	1625.93	4.62
5	9	103	22.47	-0.64	-0.24	22.07	2.99	58.67	-145.12	10.32	-96.77	-86.69
5	9	111	-0.36	-1.14	-1.00	-0.51	-0.30	62.79	-300.14	-59.47	-177.88	-171.53
5	9	113	2.33	-1.45	0.92	-3.84e-02	1.83	388.69	-3619.58	-3613.76	382.87	152.62
5	9	129	87.98	11.17	87.97	11.18	1.00	-518.54	-1438.91	-1409.73	-547.72	-161.26
5	9	131	5.66	2.49e-02	5.66	2.94e-02	-0.16	1411.13	-295.59	1246.85	-131.30	503.39
5	9	132	5.70	-0.22	5.69	-0.21	-0.24	1727.38	-55.11	1703.05	-30.77	206.84
5	9	133	0.29	-1.62	-0.94	-0.39	0.92	1460.52	-54.60	1460.44	-54.52	11.03

5	9	134	15.52	1.21	15.45	1.28	-1.03	126.90	-306.51	-305.92	126.31	-15.97
5	9	135	3.60	9.22e-02	3.58	0.11	0.22	219.09	-1981.57	-1977.03	214.55	99.82
5	9	136	4.14	0.43	3.66	0.91	1.24	1481.25	272.90	1473.83	280.32	94.43
5	9	144	37.34	-1.10	37.34	-1.10	-0.17	1297.06	-74.92	1285.75	-63.61	124.06
5	9	152	1.20	4.50e-02	1.07	0.18	0.37	855.69	-80.59	393.75	381.35	468.10
5	9	155	8.11	-7.81	-6.09	6.39	4.94	801.55	384.16	413.46	772.25	-106.64
5	9	169	1.35	-5.32	-1.41	-2.56	3.28	-122.58	-201.21	-148.11	-175.67	36.82
5	9	170	0.35	-0.68	-0.37	3.42e-02	0.47	576.46	181.02	181.02	576.46	0.13
5	9	171	12.43	-17.45	-13.88	8.87	-9.69	830.37	412.38	679.06	563.70	200.88
5	9	172	4.26	-1.80	1.08	1.38	3.03	558.15	345.70	527.74	376.11	74.40
5	9	174	17.81	-31.47	-26.91	13.25	14.27	-239.58	-1135.06	-1112.95	-261.69	-138.96
5	9	175	0.11	-1.45	-1.35	9.58e-03	0.38	906.97	135.40	750.85	291.52	309.97
5	9	182	-0.17	-1.00	-0.54	-0.63	0.41	872.18	67.75	70.61	869.32	47.90
5	9	186	-4.78e-02	-1.15	-0.41	-0.79	0.52	825.79	113.48	113.50	825.76	-4.20
5	9	189	0.21	-0.80	-7.84e-02	-0.51	0.45	798.43	102.16	102.16	798.42	0.54
5	9	193	13.32	-21.15	-18.44	10.61	9.27	682.90	225.04	553.54	354.40	-206.14
5	9	207	1.14	-1.01	0.93	-0.80	0.63	1219.42	-257.63	-234.30	1196.09	-184.19
5	9	208	1.25	7.71e-03	1.13	0.12	0.36	907.29	132.57	748.71	291.15	-312.58
5	9	209	0.77	-1.10	0.76	-1.10	9.32e-02	881.68	-341.63	-274.08	814.13	279.42
5	9	210	0.17	-0.82	0.14	-0.79	0.17	608.54	458.29	586.33	480.50	53.32
5	9	211	-0.33	-2.96	-2.95	-0.34	-0.12	-1989.40	-3575.26	-3565.61	-1999.05	-123.33
5	9	212	-2.92	-29.27	-28.53	-3.66	4.35	-160.40	-1152.84	-1146.11	-167.13	-81.48
5	9	230	-5.81e-02	-12.71	-5.83e-02	-12.71	-5.02e-02	1525.37	182.59	182.65	1525.31	8.89
5	9	232	17.15	-6.71	14.59	-4.15	-7.38	1443.12	-41.10	1324.49	77.54	402.51
5	9	234	1.40	-0.88	1.17	-0.65	-0.69	1306.04	-627.50	-604.73	1283.27	208.62
5	9	249	1.76	-0.16	1.56	4.47e-02	-0.59	1110.19	-465.21	396.45	248.53	784.22
5	9	250	2.41	-0.78	2.14	-0.51	-0.88	1192.85	66.03	1126.15	132.74	265.93
5	9	251	7.24	-2.56	4.24	0.43	-4.51	1268.16	-159.59	1249.54	-140.97	-161.97
5	9	252	2.98	-5.58	8.97e-02	-2.69	-4.04	-1043.32	-2173.55	-1202.01	-2014.86	-392.65
5	9	262	2.25	-12.24	1.76	-11.75	-2.62	1373.15	-196.04	159.90	1017.22	657.15
5	9	265	8.07	-6.64	-1.00	2.42	-7.15	993.24	-6.12	21.97	965.14	165.20
5	9	269	12.00	-15.44	-12.48	9.04	8.50	842.32	367.41	654.94	554.78	-232.11
5	9	272	1.75	-2.75	-2.40	1.40	-1.21	803.39	129.41	132.43	800.38	44.98
5	9	273	4.07	-4.74	-3.79	3.12	-2.73	755.86	286.37	287.62	754.61	24.21
5	9	287	8.30	-9.63	-7.62	6.29	-5.67	806.36	408.45	431.51	783.30	92.98
5	9	288	10.24	-1.75	-0.41	8.91	3.77	208.33	-1755.04	190.50	-1737.21	-186.25
5	9	289	0.24	-0.93	-8.64e-02	-0.60	0.53	736.54	111.56	111.57	736.54	0.29
5	9	290	2.19	-1.50	-0.83	1.52	1.42	799.39	125.05	128.30	796.13	-46.72
5	9	291	4.25	-3.20	-2.22	3.27	2.52	748.12	279.68	281.49	746.30	-29.10
5	9	292	0.62	-1.35	-1.35	0.62	-8.73e-04	1554.14	-119.20	1552.01	-117.07	-59.67
5	9	293	-1.20	-5.57	-5.56	-1.20	-0.14	238.84	-242.80	152.95	-156.90	184.37
5	9	294	0.44	-3.99	-3.77	0.22	-0.96	318.98	-3003.49	-3001.87	317.36	-73.35
5	9	295	-0.28	-2.27	-2.27	-0.28	6.20e-02	1580.71	-192.23	1517.42	-128.94	-328.96
5	9	296	-1.78e-02	-1.31	-1.31	-2.30e-02	-8.23e-02	2025.19	-136.15	1994.87	-105.83	254.20
5	9	297	0.43	-2.37	-2.14	0.20	0.77	322.71	-2329.59	-2328.35	321.47	57.34
5	9	298	-1.00	-3.91	-3.82	-1.09	0.49	-136.80	-1054.67	-1050.08	-141.38	64.69
5	9	299	0.50	-1.12	-1.11	0.49	-0.13	1593.15	-74.41	1592.03	-73.30	-43.17
5	9	300	-0.49	-2.07	-2.05	-0.52	0.21	70.57	-289.60	-42.53	-176.50	167.17
5	9	301	1.84	-1.67	0.15	1.75e-02	-1.75	385.93	-3619.97	-3614.86	380.81	-143.10
5	9	302	5.44	-1.68e-02	5.44	-1.41e-02	0.12	1391.96	-300.14	1222.15	-130.33	-508.43
5	9	303	6.16	-0.14	6.16	-0.13	0.18	1704.74	-57.36	1677.60	-30.22	-216.98
5	9	304	0.78	-1.14	-3.61e-02	-0.32	-0.95	1438.87	-51.99	1438.20	-51.32	-31.54
5	9	305	15.39	1.26	15.32	1.33	1.00	119.51	-245.04	-244.76	119.24	10.01
5	9	306	1.57	-0.30	1.22	5.68e-02	0.73	1209.70	-324.63	-316.19	1201.26	113.50
5	9	307	7.79e-02	-1.24	-0.30	-0.87	0.60	810.57	204.57	205.03	810.11	16.64
5	9	308	1.29	-5.26	-1.47	-2.50	-3.23	-118.53	-201.19	-146.53	-173.19	-39.12
5	9	311	0.31	-1.15	-0.20	-0.63	0.70	865.17	71.11	73.94	862.34	47.30
5	9	325	0.26	-22.78	0.20	-22.72	1.19	1020.74	-208.11	-126.72	939.34	305.61
5	9	326	0.64	-0.89	0.38	-0.64	0.56	872.59	67.22	70.01	869.81	-47.28
5	9	327	0.71	-0.35	0.30	6.12e-02	0.51	612.56	252.00	284.55	580.01	-103.32
5	9	328	0.56	-0.93	0.41	-0.78	0.45	826.30	114.18	114.21	826.26	5.02
5	9	329	0.44	-0.98	0.34	-0.88	0.35	811.62	204.71	205.17	811.16	-16.66
5	9	330	-6.51	-34.81	-34.77	-6.55	-1.12	-169.65	-1217.53	-1217.52	-169.66	-3.48
5	9	331	1.05	-21.85	-19.35	-1.44	7.13	124.59	-453.32	-396.65	67.92	-171.88
5	9	332	5.75	-2.20	4.03	-0.47	-3.28	-1546.18	-2396.83	-2322.21	-1620.80	240.64
5	9	336	-0.26	-1.12	-0.33	-1.05	0.24	801.55	-402.48	-204.40	603.48	446.38
5	9	337	10.24	-24.73	-24.70	10.21	-0.95	512.83	367.38	509.48	370.74	-21.83
5	9	338	10.29	-18.54	-18.52	10.27	-0.67	674.87	534.71	672.99	536.60	-16.13
5	9	339	7.89	-9.97	-9.96	7.88	-0.39	697.70	491.15	491.41	697.45	-7.25
5	9	340	-0.69	-3.59	-3.31	-0.97	-0.85	798.39	-372.29	533.70	-107.60	489.70
5	9	343	17.72	-33.03	-27.09	11.79	-16.30	-267.69	-1294.22	-1276.95	-284.97	132.05
5	9	344	-0.28	-2.08	-2.08	-0.29	-0.12	1787.96	28.85	1511.82	304.98	-639.92
5	9	345	-2.07	-31.28	-29.55	-3.81	-6.90	-176.86	-1242.07	-1236.84	-182.09	74.49
5	9	347	3.38e-02	-1.69	-1.66	-2.90e-03	0.25	1992.41	279.92	1859.25	413.08	458.59
5	9	348	-0.72	-1.91	-1.91	-0.72	5.96e-02	-1944.45	-3308.38	-3278.22	-1974.60	200.56
5	9	349	-0.89	-2.87	-2.69	-1.06	0.56	-355.81	-939.51	-552.64	-742.69	-275.95
5	9	350	0.71	-1.09	-0.15	-0.23	0.90	931.41	-33.71	-27.67	925.38	-76.09
5	9	365	0.29	-0.72	0.26	-0.69	0.15	867.45	70.51	73.25	864.72	-46.59
5	9	366	4.66	0.31	4.66	0.31	-3.31e-02	1771.01	-73.93	1642.86	54.22	-469.05
5	9	367	0.27	-0.36	0.20	-0.29	-0.20	934.30	-32.91	-26.75	928.14	76.93

5	9	368	22.93	-16.40	1.01	5.51	-19.53	880.35	58.07	740.21	198.21	309.18
5	9	373	-0.42	-1.67	-1.52	-0.57	-0.40	692.21	-439.85	386.62	-134.26	502.55
5	9	376	1.01	-0.80	0.91	-0.71	0.41	-2364.00	-4337.03	-4308.00	-2393.03	-237.56
5	9	378	3.57	8.20e-02	3.57	8.21e-02	-9.81e-03	1882.55	-431.37	1215.82	235.35	-1047.96
5	9	379	0.98	-1.20	-0.45	0.23	1.03	742.26	134.67	283.44	593.49	-261.27
5	9	383	8.26	-2.67	6.51	-0.92	-4.00	1385.18	-59.54	1367.98	-42.35	-156.67
5	9	386	43.37	-1.28	43.36	-1.28	0.29	1272.85	-78.04	1256.64	-61.83	-147.10
5	9	387	21.05	2.02	20.75	2.33	-2.38	1323.57	-206.55	1219.34	-102.33	-385.50
5	9	389	10.70	-4.28	-2.37	8.80	-4.99	-254.53	-514.78	-372.39	-396.92	-129.55
5	9	393	0.64	-1.72	-0.77	-0.31	1.15	686.05	343.56	671.32	358.29	-69.49
5	9	395	94.35	12.09	94.31	12.14	-1.89	-437.01	-1118.86	-1109.36	-446.51	79.92
5	9	397	0.53	-0.60	-0.22	0.15	-0.53	746.47	138.22	285.29	599.41	260.43
5	9	398	8.90	-7.49e-02	8.90	-7.48e-02	-3.24e-02	214.85	-1992.88	-1989.42	211.40	-87.25
5	9	399	0.26	-1.20	-1.17	0.23	0.20	680.66	187.71	239.02	629.35	-150.53
5	9	414	0.43	-1.42	-0.59	-0.41	-0.92	685.09	357.71	670.88	371.91	66.70
5	9	415	2.63e-02	-0.30	-0.28	5.04e-03	8.07e-02	1449.33	218.69	1446.78	221.24	55.96
5	9	417	0.99	-2.97	-2.01	2.94e-02	-1.69	763.88	-318.10	-91.08	536.86	440.56
5	9	418	0.75	-0.22	0.21	0.32	0.48	679.49	188.00	239.70	627.79	150.78
5	9	424	23.13	-13.64	3.67	5.82	18.36	901.66	18.67	720.92	199.41	-356.26
5	9	425	9.04	-4.23	2.32	2.50	6.63	977.24	-39.71	-8.92	946.45	-174.25
5	9	427	2.78	-1.36	1.22	0.21	2.01	759.26	-333.73	-104.60	530.13	-444.90
5	9	431	1.29	-0.63	-0.16	0.81	0.83	863.74	-4.48	-3.12	862.38	34.29
5	9	435	0.24	-21.90	0.19	-21.85	-1.04	1067.92	-197.69	-122.95	993.19	-298.33
5	9	439	0.29	-0.98	1.42e-02	-0.71	0.52	741.19	125.28	125.28	741.19	0.37
5	9	454	-1.75	-3.17	-2.32	-2.60	0.70	877.73	24.55	599.86	302.42	-399.83
5	9	455	0.18	-0.59	-0.28	-0.12	0.38	785.91	79.02	79.02	785.91	0.65
5	9	456	2.18	-11.65	1.74	-11.21	2.43	1394.64	-172.20	161.54	1060.91	-641.51
5	9	457	3.00	-4.16	-2.19	1.04	-3.20	573.25	348.53	533.20	388.58	-86.00
5	9	461	2.03	-2.20	-2.20	2.03	8.72e-02	741.36	138.17	138.17	741.36	-0.31
5	9	462	21.34	-2.40	19.75	-0.81	5.93	1695.06	-302.31	1277.07	115.68	-812.51
5	9	465	4.07	-4.36	-4.36	4.07	-0.12	726.96	260.00	260.01	726.95	-1.77
5	9	466	17.22	-3.36	15.22	-1.37	-6.08	1741.02	-266.71	1349.85	124.46	795.21
5	9	470	1.16	-1.32	-1.30	1.14	0.22	735.28	86.44	86.44	735.28	0.20
5	9	483	-0.77	-0.97	-0.91	-0.82	8.95e-02	1219.39	-253.93	-230.24	1195.71	185.30
5	9	500	15.12	-10.72	2.53e-05	4.40	-12.73	1102.74	-161.83	675.53	265.38	598.11
5	9	501	5.78e-02	-2.24	-2.22	4.04e-02	0.20	1446.78	217.24	1443.79	220.23	-60.57
5	9	503	-0.37	-1.59	-0.89	-1.06	0.60	881.19	-344.65	-278.17	814.71	-277.62
5	9	538	20.34	-5.90	18.46	-4.02	6.77	1407.90	-67.83	1269.83	70.23	-429.75
5	9	539	-0.35	-1.54	-1.10	-0.79	0.57	609.15	454.40	584.97	478.58	-56.19
5	9	540	0.81	-1.75	-1.68	0.74	-0.41	866.24	-2.80	-1.44	864.88	-34.35
5	9	543	1.32	-1.33	0.56	-0.57	1.20	1301.40	-631.84	-609.19	1278.75	-208.05
5	9	547	13.88	-23.20	-19.63	10.32	-10.93	654.33	270.05	563.88	360.50	163.03
5	9	549	1.01	-19.73	-17.38	-1.34	-6.57	139.90	-524.44	-467.57	83.03	185.87
5	9	553	5.35e-02	-1.86	-1.77	-3.22e-02	-0.40	1212.69	-321.22	-312.76	1204.24	-113.57
5	9	554	15.73	-8.36	2.71	4.66	12.01	1090.68	-212.68	622.54	255.46	-625.30
5	9	555	0.36	-1.10	-1.05	0.31	0.25	595.01	262.08	262.08	595.01	0.74
5	11	2	5.44e-02	-1.48	-1.47	4.38e-02	0.13	855.77	-81.79	389.78	384.20	-468.77
5	11	18	-1.69	-3.47	-2.59	-2.57	-0.89	871.99	-5.75	602.87	263.37	404.71
5	11	19	1.87	-0.46	1.28	0.14	1.02	1106.38	-481.22	387.06	238.11	-790.30
5	11	20	2.45	-0.81	1.99	-0.35	1.15	1192.48	41.35	1119.45	114.38	-280.59
5	11	21	0.54	-0.62	-0.47	0.39	0.39	601.81	159.59	159.59	601.81	0.37
5	11	22	10.86	-1.58	9.95	-0.67	3.24	-1540.60	-2401.97	-2320.12	-1622.46	-252.60
5	11	23	2.53	-0.87	2.21	-0.54	1.00	784.70	-382.59	517.86	-115.75	-490.18
5	11	24	2.39	-0.56	2.36	-0.53	0.30	-1993.16	-3585.32	-3575.87	-2002.60	122.25
5	11	25	2.68	6.87e-02	2.64	0.11	0.33	1782.68	30.04	1509.93	302.78	635.32
5	11	26	2.47	0.11	2.47	0.11	-2.67e-02	1995.04	278.23	1859.48	413.79	-462.98
5	11	27	1.08	-0.84	1.07	-0.83	0.12	-1940.96	-3293.68	-3263.01	-1971.63	-201.36
5	11	28	3.60e-02	-0.99	-0.17	-0.78	-0.41	-335.85	-931.16	-532.55	-734.46	280.01
5	11	29	0.17	-0.97	-0.80	1.07e-03	0.40	612.12	250.98	283.42	579.68	103.26
5	11	30	0.21	-1.14	-0.31	-0.62	0.66	692.63	-443.25	383.23	-133.86	-505.68
5	11	31	1.75	-0.80	1.73	-0.78	-0.25	-2364.32	-4342.67	-4314.45	-2392.54	234.58
5	11	32	3.86	6.27e-02	3.85	7.13e-02	0.18	1885.63	-415.67	1228.95	241.00	1039.23
5	11	33	4.52	0.20	4.51	0.20	0.13	1781.42	-54.52	1665.11	61.79	447.23
5	11	34	7.84	-2.74	6.08	-0.99	3.94	1407.39	-38.28	1398.69	-29.59	111.78
5	11	35	10.38	-4.28	-2.58	8.68	4.69	-380.50	-551.08	-460.56	-471.02	85.13
5	11	36	1.02	-2.39	-1.80	0.44	-1.29	1527.64	278.84	1517.50	288.98	-112.09
5	11	37	-0.14	-1.99	-1.98	-0.15	0.10	496.79	482.37	496.49	482.67	2.06
5	11	38	21.72	-0.62	-0.23	21.33	-2.93	44.89	-176.51	19.74	-151.35	70.26
5	11	55	6.07	0.92	6.06	0.93	0.21	1548.48	-117.97	1546.99	-116.48	49.87
5	11	56	1.16	-0.55	1.11	-0.50	-0.29	214.83	-249.48	121.35	-155.99	-186.19
5	11	57	2.04	-0.55	1.54	-4.80e-02	1.03	318.47	-2997.29	-2995.17	316.35	83.74
5	11	58	3.76	0.12	3.76	0.12	3.07e-02	1581.52	-190.34	1520.14	-128.97	324.01
5	11	59	3.30	-3.59e-02	3.29	-3.09e-02	-0.13	2025.89	-136.21	1994.42	-104.74	-258.93
5	11	66	0.40	-1.05	0.16	-0.81	0.54	770.49	154.29	154.29	770.49	0.31
5	11	71	7.35	-2.56	4.19	0.60	4.62	1273.57	-184.13	1262.61	-173.16	125.95
5	11	88	1.12	-0.52	0.58	2.35e-02	-0.77	322.07	-2344.85	-2344.07	321.28	-45.82
5	11	89	0.74	-1.24	0.64	-1.14	0.43	806.25	-407.30	-211.25	610.20	-446.63
5	11	90	-0.29	-0.74	-0.51	-0.52	-0.22	-135.63	-1024.76	-1019.95	-140.44	-65.19
5	11	91	0.92	0.30	0.91	0.30	-3.81e-02	1596.29	-74.49	1595.35	-73.54	39.77
5	11	92	2.82	-6.10	-1.67e-02	-3.26	4.16	-1126.44	-2304.61	-1253.61	-2177.44	365.59

5	11	93	-2.30	-3.69	-2.30	-3.69	-7.90e-02	737.67	425.45	425.56	737.56	5.87
5	11	97	9.37	-1.95	-0.46	7.88	-3.82	218.10	-1901.69	203.23	-1886.82	176.92
5	11	100	15.99	1.28	15.72	1.56	1.98	1463.11	-200.86	1374.57	-112.33	373.48
5	11	101	-0.49	-15.37	-0.49	-15.37	5.50e-02	1624.65	-44.21	-44.19	1624.63	4.89
5	11	103	22.46	-0.63	-0.24	22.06	2.99	59.03	-143.60	9.98	-94.55	-86.79
5	11	111	-0.33	-1.09	-0.92	-0.51	-0.32	60.05	-302.23	-64.17	-178.01	-171.97
5	11	113	2.40	-1.44	1.00	-4.29e-02	1.85	388.99	-3618.52	-3612.50	382.98	155.13
5	11	129	93.78	11.87	93.76	11.89	1.11	-560.65	-1609.08	-1571.91	-597.82	-193.87
5	11	131	5.74	3.08e-02	5.73	3.56e-02	-0.17	1412.87	-294.99	1249.23	-131.35	502.68
5	11	132	5.71	-0.22	5.70	-0.21	-0.25	1727.63	-54.92	1703.44	-30.73	206.25
5	11	133	0.28	-1.63	-0.96	-0.39	0.91	1458.39	-54.64	1458.32	-54.57	10.32
5	11	134	15.54	1.21	15.47	1.28	-1.03	127.10	-310.92	-310.33	126.51	-16.04
5	11	135	4.03	8.73e-02	4.00	0.11	0.30	221.04	-1959.14	-1953.99	215.89	105.82
5	11	136	4.52	0.50	4.07	0.95	1.27	1495.66	273.76	1488.01	281.41	96.37
5	11	144	39.74	-1.19	39.74	-1.18	-0.19	1328.68	-75.27	1318.48	-65.07	119.21
5	11	152	1.43	6.65e-02	1.30	0.19	0.40	854.76	-80.24	393.77	380.75	467.46
5	11	155	8.62	-7.88	-6.05	6.79	5.18	815.12	420.34	451.63	783.84	-106.64
5	11	169	1.35	-5.32	-1.40	-2.57	3.29	-122.58	-200.89	-147.77	-175.70	36.58
5	11	170	0.42	-0.61	-0.23	3.39e-02	0.50	576.12	179.77	179.77	576.12	0.13
5	11	171	13.28	-17.98	-14.21	9.51	-10.19	872.03	442.62	735.59	579.05	199.93
5	11	172	4.58	-1.70	1.42	1.46	3.14	569.17	347.00	537.62	378.55	77.55
5	11	174	19.05	-33.38	-28.38	14.05	15.40	-263.50	-1259.70	-1238.69	-284.51	-143.14
5	11	175	0.11	-1.40	-1.29	4.11e-03	0.39	906.08	134.30	749.05	291.34	310.70
5	11	182	-9.28e-02	-0.99	-0.45	-0.63	0.44	872.19	67.37	70.22	869.33	47.86
5	11	186	2.98e-02	-1.15	-0.33	-0.79	0.54	825.77	113.53	113.55	825.74	-4.30
5	11	189	0.29	-0.80	-4.70e-04	-0.52	0.48	798.42	102.24	102.24	798.42	0.57
5	11	193	14.26	-21.84	-18.99	11.41	9.73	713.23	243.31	590.56	365.97	-206.39
5	11	207	1.29	-1.01	1.09	-0.80	0.66	1219.29	-259.05	-235.82	1196.06	-183.86
5	11	208	1.45	9.57e-03	1.34	0.12	0.39	906.43	131.31	746.78	290.97	-313.46
5	11	209	0.91	-1.10	0.91	-1.10	0.12	881.62	-341.12	-273.22	813.72	280.02
5	11	210	0.30	-0.83	0.26	-0.79	0.21	608.53	458.76	586.75	480.54	52.79
5	11	211	-0.33	-2.96	-2.95	-0.33	-0.11	-1987.28	-3571.34	-3561.51	-1997.10	-124.38
5	11	212	-2.24	-30.54	-29.71	-3.07	4.79	-179.36	-1270.42	-1264.08	-185.71	-82.97
5	11	230	-4.66e-02	-12.69	-4.68e-02	-12.69	-5.34e-02	1524.28	182.04	182.10	1524.21	9.42
5	11	232	18.33	-7.10	15.62	-4.40	-7.84	1488.35	-36.81	1371.74	79.80	405.27
5	11	234	1.47	-0.87	1.25	-0.65	-0.67	1306.21	-626.95	-604.07	1283.33	209.07
5	11	249	1.80	-0.14	1.62	4.80e-02	-0.57	1110.46	-464.12	397.76	248.58	783.75
5	11	250	2.43	-0.77	2.18	-0.51	-0.87	1192.19	66.67	1125.81	133.06	265.17
5	11	251	7.23	-2.54	4.25	0.43	-4.50	1266.25	-159.54	1247.27	-140.56	-163.40
5	11	252	2.95	-5.54	9.14e-02	-2.68	-4.01	-1043.39	-2167.70	-1201.93	-2009.16	-391.30
5	11	262	2.27	-12.24	1.78	-11.74	-2.63	1370.65	-196.67	158.94	1015.04	656.43
5	11	265	8.62	-6.77	-0.76	2.61	-7.51	1004.71	29.78	58.76	975.73	165.59
5	11	269	12.83	-15.86	-12.74	9.70	8.94	883.13	396.62	710.14	569.62	-232.88
5	11	272	1.86	-2.65	-2.28	1.48	-1.25	804.65	131.87	134.70	801.83	43.50
5	11	273	4.31	-4.70	-3.69	3.30	-2.84	761.19	298.44	299.55	760.09	22.61
5	11	287	8.82	-9.80	-7.66	6.68	-5.94	819.87	446.30	470.66	795.51	92.23
5	11	288	10.27	-1.74	-0.41	8.94	3.77	207.69	-1748.94	189.95	-1731.20	-185.46
5	11	289	0.36	-0.93	3.33e-02	-0.61	0.56	736.56	111.31	111.31	736.56	0.31
5	11	290	2.34	-1.35	-0.61	1.61	1.47	800.42	127.27	130.34	797.35	-45.34
5	11	291	4.51	-3.08	-2.02	3.46	2.62	752.99	291.41	293.08	751.32	-27.77
5	11	292	0.65	-1.35	-1.35	0.65	-7.42e-03	1565.59	-119.54	1563.36	-117.31	-61.31
5	11	293	-1.22	-5.67	-5.66	-1.22	-0.14	238.83	-242.32	153.44	-156.93	183.83
5	11	294	0.45	-4.01	-3.79	0.23	-0.98	318.76	-2997.89	-2996.15	317.03	-75.84
5	11	295	-0.28	-2.30	-2.29	-0.29	7.30e-02	1580.35	-191.95	1517.34	-128.94	-328.19
5	11	296	-1.79e-02	-1.34	-1.34	-2.25e-02	-7.77e-02	2024.16	-136.17	1993.65	-105.66	254.94
5	11	297	0.43	-2.35	-2.13	0.21	0.75	322.56	-2332.56	-2331.41	321.41	55.25
5	11	298	-0.99	-3.88	-3.79	-1.08	0.50	-136.57	-1049.96	-1045.34	-141.18	64.73
5	11	299	0.49	-1.09	-1.08	0.48	-0.13	1593.37	-74.40	1592.27	-73.30	-42.83
5	11	300	-0.48	-2.06	-2.02	-0.52	0.22	68.17	-290.97	-46.25	-176.55	167.33
5	11	301	1.88	-1.67	0.20	1.61e-02	-1.77	386.05	-3618.89	-3613.63	380.79	-145.06
5	11	302	5.50	-1.31e-02	5.50	-1.03e-02	0.12	1392.53	-299.79	1223.06	-130.33	-508.01
5	11	303	6.21	-0.14	6.20	-0.13	0.19	1703.61	-57.30	1676.45	-30.14	-216.99
5	11	304	0.80	-1.11	2.97e-03	-0.32	-0.94	1435.42	-51.86	1434.72	-51.17	-32.07
5	11	305	15.41	1.26	15.33	1.33	1.00	119.27	-245.78	-245.52	119.01	9.72
5	11	306	1.81	-0.25	1.48	8.46e-02	0.76	1209.18	-323.93	-315.26	1200.51	114.97
5	11	307	0.15	-1.25	-0.23	-0.87	0.62	810.52	204.71	205.17	810.06	16.70
5	11	308	1.29	-5.26	-1.47	-2.50	-3.23	-118.30	-200.86	-146.09	-173.06	-39.02
5	11	311	0.37	-1.15	-0.14	-0.64	0.72	865.12	71.08	73.90	862.29	47.25
5	11	325	0.26	-22.77	0.20	-22.71	1.19	1017.92	-208.03	-126.67	936.56	305.16
5	11	326	0.78	-0.89	0.53	-0.64	0.59	872.63	66.81	69.59	869.85	-47.21
5	11	327	0.85	-0.31	0.47	6.17e-02	0.54	612.37	250.57	283.19	579.75	-103.63
5	11	328	0.70	-0.94	0.54	-0.79	0.48	826.31	114.27	114.31	826.27	5.16
5	11	329	0.55	-0.99	0.45	-0.88	0.39	811.64	204.86	205.32	811.18	-16.71
5	11	330	-5.98	-36.23	-36.18	-6.02	-1.19	-187.75	-1334.52	-1334.50	-187.77	-3.72
5	11	331	1.12	-23.33	-20.68	-1.54	7.60	131.69	-492.18	-434.23	73.74	-181.10
5	11	332	6.21	-2.22	4.45	-0.46	-3.42	-1549.73	-2378.11	-2298.87	-1628.98	243.66
5	11	336	-0.21	-1.12	-0.28	-1.05	0.25	801.31	-403.24	-205.46	603.54	446.22
5	11	337	11.05	-25.54	-25.52	11.02	-1.01	550.04	380.53	546.85	383.72	-23.03
5	11	338	11.01	-19.07	-19.06	11.00	-0.71	730.04	550.78	728.41	552.41	-17.01
5	11	339	8.37	-10.11	-10.10	8.36	-0.42	709.94	530.33	530.65	709.62	-7.64

5	11	340	-0.70	-3.59	-3.30	-0.98	-0.86	800.00	-369.39	538.30	-107.70	487.38
5	11	343	18.98	-34.99	-28.50	12.49	-17.54	-292.47	-1427.83	-1411.31	-308.99	135.94
5	11	344	-0.29	-2.08	-2.07	-0.29	-0.12	1786.44	29.07	1510.68	304.83	-639.20
5	11	345	-1.33	-32.67	-30.76	-3.24	-7.50	-196.55	-1364.43	-1359.53	-201.45	75.48
5	11	347	3.30e-02	-1.70	-1.66	-5.84e-03	0.26	1991.74	279.61	1858.10	413.25	459.29
5	11	348	-0.71	-1.88	-1.88	-0.71	6.74e-02	-1944.06	-3306.36	-3276.15	-1974.27	200.59
5	11	349	-0.89	-2.82	-2.65	-1.06	0.56	-352.58	-938.51	-549.59	-741.51	-276.80
5	11	350	0.76	-1.08	-9.35e-02	-0.22	0.92	931.25	-33.58	-27.53	925.20	-76.18
5	11	365	0.39	-0.73	0.36	-0.70	0.19	867.54	70.44	73.16	864.82	-46.50
5	11	366	4.69	0.32	4.69	0.32	-3.17e-02	1769.66	-74.44	1641.28	53.94	-469.32
5	11	367	0.33	-0.34	0.28	-0.29	-0.18	934.31	-32.74	-26.55	928.13	77.07
5	11	368	24.51	-17.02	1.45	6.04	-20.64	909.85	71.69	778.91	202.63	304.31
5	11	373	-0.42	-1.65	-1.50	-0.57	-0.41	691.16	-440.22	385.82	-134.87	502.22
5	11	376	1.05	-0.80	0.95	-0.71	0.41	-2364.13	-4337.80	-4308.73	-2393.19	-237.72
5	11	378	3.62	8.74e-02	3.62	8.74e-02	-1.04e-02	1881.86	-431.61	1215.10	235.15	-1047.83
5	11	379	1.00	-1.18	-0.41	0.23	1.04	741.93	134.63	283.53	593.04	-261.26
5	11	383	8.27	-2.65	6.52	-0.91	-4.00	1382.27	-60.57	1364.74	-43.04	-158.09
5	11	386	46.17	-1.38	46.17	-1.37	0.31	1302.81	-78.27	1287.73	-63.19	-143.53
5	11	387	22.43	2.18	22.11	2.50	-2.54	1380.76	-205.54	1280.24	-105.02	-386.46
5	11	389	10.68	-4.27	-2.37	8.79	-4.97	-253.28	-513.64	-372.26	-394.66	-129.70
5	11	393	0.65	-1.70	-0.74	-0.30	1.15	685.56	342.99	670.87	357.68	-69.39
5	11	395	100.65	12.87	100.60	12.91	-2.05	-475.99	-1269.73	-1254.72	-491.00	108.11
5	11	397	0.53	-0.54	-0.17	0.15	-0.51	746.39	138.41	285.49	599.31	260.37
5	11	398	9.64	-8.25e-02	9.64	-8.15e-02	-0.10	216.48	-1970.96	-1967.04	212.56	-92.53
5	11	399	0.28	-1.09	-1.06	0.24	0.21	679.75	186.56	237.74	628.58	-150.40
5	11	414	0.44	-1.39	-0.54	-0.41	-0.91	684.54	357.99	670.41	372.12	66.44
5	11	415	5.24e-02	-0.18	-0.13	3.58e-03	9.46e-02	1449.77	218.79	1447.29	221.27	55.21
5	11	417	1.07	-2.92	-1.90	5.84e-02	-1.74	763.18	-313.59	-88.50	538.08	437.84
5	11	418	0.88	-0.14	0.41	0.33	0.51	678.52	186.87	238.45	626.93	150.66
5	11	424	24.76	-14.11	4.26	6.38	19.41	930.92	31.47	758.55	203.84	-354.02
5	11	425	9.69	-4.24	2.75	2.69	6.96	987.89	-5.71	26.18	955.99	-175.14
5	11	427	3.05	-1.29	1.51	0.25	2.07	758.31	-330.09	-102.77	530.99	-442.43
5	11	431	1.41	-0.49	5.64e-02	0.86	0.86	863.51	-5.05	-3.63	862.08	35.10
5	11	435	0.24	-21.84	0.19	-21.79	-1.04	1067.96	-197.00	-122.69	993.65	-297.45
5	11	439	0.40	-0.99	0.12	-0.71	0.56	741.21	125.27	125.27	741.21	0.39
5	11	454	-1.73	-3.16	-2.29	-2.60	0.70	876.76	25.01	598.24	303.52	-399.57
5	11	455	0.23	-0.57	-0.21	-0.12	0.40	785.82	79.15	79.15	785.82	0.69
5	11	456	2.19	-11.61	1.75	-11.17	2.42	1393.48	-171.43	160.69	1061.36	-639.87
5	11	457	3.20	-4.15	-2.05	1.10	-3.32	585.07	350.00	543.36	391.71	-89.81
5	11	461	2.14	-2.05	-2.04	2.14	9.41e-02	742.92	140.13	140.13	742.92	-0.32
5	11	462	22.80	-2.50	21.15	-0.84	6.25	1746.55	-293.36	1336.35	116.84	-817.62
5	11	465	4.30	-4.27	-4.27	4.30	-0.12	732.33	272.15	272.16	732.32	-1.86
5	11	466	18.40	-3.50	16.33	-1.43	-6.41	1795.85	-256.57	1413.17	126.10	799.36
5	11	470	1.22	-1.16	-1.13	1.20	0.24	735.21	85.41	85.41	735.21	0.22
5	11	483	-0.73	-0.95	-0.86	-0.83	0.11	1219.25	-255.14	-231.54	1195.65	185.02
5	11	500	16.13	-11.03	0.35	4.75	-13.40	1144.46	-136.67	733.92	273.87	597.84
5	11	501	5.92e-02	-2.20	-2.18	4.11e-02	0.20	1447.06	217.25	1444.12	220.19	-60.09
5	11	503	-0.32	-1.58	-0.84	-1.06	0.62	881.08	-344.33	-277.57	814.32	-278.12
5	11	538	21.73	-6.26	19.73	-4.27	7.20	1450.65	-64.55	1314.00	72.10	-434.03
5	11	539	-0.32	-1.51	-1.05	-0.79	0.58	609.16	454.64	585.31	478.49	-55.82
5	11	540	0.85	-1.63	-1.56	0.78	-0.42	866.15	-3.28	-1.86	864.72	-35.17
5	11	543	1.37	-1.32	0.60	-0.56	1.21	1301.29	-631.55	-608.80	1278.54	-208.47
5	11	547	14.85	-24.01	-20.24	11.09	-11.49	684.48	289.47	601.50	372.45	160.91
5	11	549	1.07	-21.06	-18.56	-1.43	-7.01	148.07	-567.48	-509.10	89.69	195.88
5	11	553	8.27e-02	-1.78	-1.69	-9.43e-03	-0.40	1212.33	-320.33	-311.65	1203.65	-115.04
5	11	554	16.81	-8.55	3.22	5.04	12.65	1130.62	-189.25	677.98	263.38	-626.53
5	11	555	0.36	-1.05	-1.00	0.31	0.27	594.81	262.09	262.09	594.81	0.78
5	39	2	-1.60	-29.58	-28.72	-2.45	-4.82	585.45	-40.14	245.00	300.31	-311.57
5	39	18	13.40	-19.09	-4.59	-1.11	16.15	1475.98	447.24	485.90	1437.32	195.65
5	39	19	-0.37	-22.25	-19.82	-2.81	6.88	853.41	181.03	515.05	519.39	-336.18
5	39	20	3.27	-18.23	-12.39	-2.58	9.57	1047.87	394.41	853.98	588.30	298.51
5	39	21	7.93	-13.54	-5.67	5.94e-02	-10.34	369.36	98.11	98.13	369.34	2.47
5	39	22	27.72	-4.73	24.60	-1.60	-9.58	-1026.82	-1871.68	-1779.52	-1118.98	-263.38
5	39	23	27.89	2.01	27.26	2.64	-3.99	569.69	-253.30	444.07	-127.68	-295.98
5	39	24	29.26	-0.34	28.95	-2.56e-02	-3.04	-1359.26	-2351.51	-2349.81	-1360.96	41.06
5	39	25	34.01	1.83	33.67	2.17	-3.29	843.00	-110.93	676.40	55.67	362.17
5	39	26	37.79	1.95	37.76	1.98	-1.11	1332.36	199.61	1303.36	228.61	-178.92
5	39	27	37.30	-1.11	37.29	-1.09	-0.72	-1407.21	-2409.09	-2380.22	-1436.09	-167.61
5	39	28	37.74	2.79	37.73	2.81	-0.73	-740.67	-883.84	-881.47	-743.04	18.28
5	39	29	0.20	-17.77	-17.48	-9.72e-02	-2.29	423.42	178.37	192.13	409.66	56.40
5	39	30	40.51	3.54	40.30	3.74	2.74	666.34	-210.25	629.22	-173.14	-176.52
5	39	31	35.26	-0.99	35.20	-0.93	1.51	-1619.46	-2801.95	-2749.32	-1672.09	243.85
5	39	32	32.50	2.75	32.41	2.83	1.59	770.44	-809.04	118.71	-157.32	777.58
5	39	33	29.67	2.19	29.31	2.55	3.12	1058.97	-1265.66	138.95	-345.64	1136.78
5	39	34	27.15	-6.11	23.95	-2.91	9.80	1765.86	-1697.39	812.64	-744.18	1546.81
5	39	35	10.51	-2.18	6.00	2.33	6.07	1463.08	-1413.68	712.00	-662.60	1263.55
5	39	36	0.39	-40.96	-39.56	-1.01	-7.49	1100.71	210.99	1058.64	253.06	-188.84
5	39	37	14.50	-17.10	-2.34	-0.26	15.77	493.44	188.80	352.70	329.53	-151.88
5	39	38	7.01	-8.44	-2.14	0.72	-7.59	1089.65	-1166.05	793.56	-869.96	761.73
5	39	55	29.72	-1.17	28.92	-0.37	-4.91	808.54	-211.12	803.83	-206.42	-69.11

5	39	56	31.44	2.87	31.43	2.88	0.43	103.28	-198.25	32.03	-127.00	-128.09
5	39	57	34.75	2.67	34.75	2.68	0.31	409.37	-1847.61	-1843.75	405.51	93.23
5	39	58	40.55	1.89	40.42	2.02	-2.26	716.09	-258.79	695.73	-238.42	139.42
5	39	59	45.45	2.07	45.44	2.09	0.79	1327.95	-130.81	1319.37	-122.23	-111.58
5	39	66	3.34	-7.00	-3.12	-0.54	5.01	471.59	92.61	92.73	471.47	-6.63
5	39	71	14.49	-18.31	-4.97	1.15	16.11	2309.49	26.68	1035.87	1300.30	1133.72
5	39	88	41.60	1.52	41.60	1.53	-0.35	426.73	-1346.40	-1341.66	421.99	91.59
5	39	89	22.70	-0.62	21.90	0.17	4.22	270.09	-302.14	-148.91	116.86	-253.39
5	39	90	42.77	5.38	42.73	5.42	-1.20	-198.92	-967.98	-916.49	-250.40	-192.22
5	39	91	51.10	0.77	51.07	0.80	1.20	855.06	-108.05	839.72	-92.71	120.57
5	39	92	25.39	-5.80	-2.36	21.95	9.77	2151.59	-605.19	-128.68	1675.08	1042.39
5	39	93	14.70	-19.55	-2.31	-2.55	17.12	753.67	39.09	305.40	487.36	-345.51
5	39	97	35.05	-3.86	-3.16	34.35	-5.18	2357.21	574.68	893.81	2038.08	683.39
5	39	100	34.10	4.16	32.50	5.76	-6.73	1376.14	113.12	1358.20	131.06	149.43
5	39	101	1.50	-13.82	-0.66	-11.66	5.33	1494.04	-295.09	-13.12	1212.07	-651.90
5	39	103	29.87	0.59	1.04	29.42	-3.62	805.37	-1232.29	-898.30	471.38	754.32
5	39	111	46.28	4.18	46.24	4.22	1.27	240.07	-176.64	230.19	-166.76	-63.40
5	39	113	39.63	1.09	39.47	1.26	2.50	589.00	-2295.27	-2249.04	542.77	362.22
5	39	129	151.94	-6.59e-02	151.82	5.89e-02	-4.35	-424.49	-1840.03	-1694.69	-569.83	-429.66
5	39	131	39.72	2.40	39.72	2.40	0.19	118.17	-524.15	-53.71	-352.27	284.36
5	39	132	42.05	2.48	42.03	2.50	0.87	967.46	-1330.28	-129.39	-233.43	1147.69
5	39	133	24.22	-4.03	23.36	-3.17	4.86	1460.89	-1098.74	811.46	-449.31	1113.80
5	39	134	17.47	7.08	17.21	7.34	1.61	2899.43	-12.41	1383.81	1503.20	1454.69
5	39	135	-0.70	-44.61	-43.93	-1.37	-5.40	-36.45	-1011.87	-996.09	-52.23	-123.07
5	39	136	24.86	-1.95	22.41	0.50	-7.72	738.09	44.65	737.15	45.58	-25.42
5	39	144	104.46	-12.57	104.38	-12.50	-2.95	820.81	-140.89	775.40	-95.48	203.98
5	39	152	20.02	-0.42	17.54	2.06	-6.67	551.56	-155.09	227.83	168.64	352.09
5	39	155	19.88	-19.76	-1.83	1.95	-19.73	494.61	86.95	193.90	387.66	-179.33
5	39	169	-6.44	-9.45	-7.81	-8.08	-1.50	2468.08	-199.46	1685.21	583.42	1214.68
5	39	170	1.88	-6.71	-4.88	4.71e-02	-3.52	352.85	112.96	113.01	352.80	3.38
5	39	171	22.34	-38.92	-23.10	6.52	-26.81	631.66	410.33	604.67	437.33	-72.43
5	39	172	20.63	-9.54	10.89	0.20	-14.11	260.12	101.31	259.93	101.51	5.56
5	39	174	65.99	-15.76	-7.16	57.39	-25.07	-181.06	-580.75	-488.96	-272.85	-168.11
5	39	175	-1.27	-30.07	-30.04	-1.30	-0.95	564.03	120.09	467.82	216.31	182.91
5	39	182	-0.40	-17.14	-17.05	-0.49	1.20	559.41	45.29	45.99	558.72	18.86
5	39	186	1.03	-17.92	-16.42	-0.47	5.12	564.15	78.02	78.02	564.14	-0.46
5	39	189	4.81	-7.89	-2.73	-0.35	6.23	499.88	55.17	56.19	498.86	-21.25
5	39	193	15.83	-24.79	-9.40	0.44	-19.71	619.87	-81.44	419.78	118.65	-316.68
5	39	207	23.10	-2.62	23.07	-2.59	-0.78	548.11	-260.92	-226.51	513.69	-163.27
5	39	208	21.13	0.96	20.72	1.37	-2.86	545.83	26.62	504.96	67.49	-139.82
5	39	209	23.31	-0.46	23.29	-0.44	0.78	386.30	-363.20	-297.57	320.67	211.86
5	39	210	23.08	0.76	22.83	1.02	2.38	420.75	101.86	373.86	148.75	112.93
5	39	211	-0.37	-42.75	-42.60	-0.51	-2.44	-1213.74	-2186.77	-2180.52	-1219.99	-77.72
5	39	212	36.87	-24.62	-12.08	24.33	-24.77	-196.47	-729.77	-712.99	-213.25	-93.11
5	39	230	6.82	-16.60	-0.48	-9.30	10.85	1317.56	-64.57	146.35	1106.63	-497.03
5	39	232	82.20	-8.98	78.55	-5.33	-17.87	745.75	-44.19	709.54	-7.97	165.22
5	39	234	20.61	-2.56	20.03	-1.98	3.61	427.28	-558.36	-553.98	422.90	65.54
5	39	249	19.39	1.03	18.00	2.42	4.86	579.26	-850.30	-52.87	-218.17	709.99
5	39	250	16.37	-1.87	12.74	1.77	7.29	983.66	-803.56	649.84	-469.73	696.55
5	39	251	15.22	-5.69	10.30	-0.77	8.87	1186.43	-1777.58	855.13	-1446.29	933.92
5	39	252	2.77	-27.94	2.33	-27.50	3.64	-1400.24	-4681.68	-1441.81	-4640.11	366.99
5	39	262	18.95	-3.47	1.06	14.42	9.00	3288.49	343.26	408.17	3223.59	432.38
5	39	265	14.83	-36.11	-25.13	3.85	-20.95	850.48	277.74	286.59	841.62	70.67
5	39	269	16.19	-20.55	-5.05	0.68	-18.15	680.63	-74.54	370.81	235.28	-371.46
5	39	272	11.51	-28.01	-16.93	0.43	-17.75	568.59	114.29	114.29	568.58	-0.88
5	39	273	13.68	-30.61	-17.47	0.54	-20.23	608.22	275.57	278.30	605.49	-30.03
5	39	287	18.54	-34.61	-19.62	3.56	-23.92	622.22	431.46	439.82	613.86	-39.05
5	39	288	2.03	-23.53	2.02	-23.53	-0.47	-742.77	-4660.97	-766.59	-4637.14	304.60
5	39	289	-0.36	-4.11	-4.08	-0.39	0.31	446.68	68.61	68.87	446.41	10.01
5	39	290	19.63	-16.40	2.54	0.69	-17.99	407.89	29.31	39.87	397.33	-62.34
5	39	291	20.70	-17.76	0.93	2.01	-19.22	377.76	107.94	124.24	361.46	-64.30
5	39	292	0.86	-45.20	-44.86	0.53	-3.91	1110.97	-17.54	1104.69	-11.27	-83.91
5	39	293	-5.29	-49.24	-49.21	-5.33	1.19	281.69	-13.53	236.05	32.10	106.72
5	39	294	-1.98	-49.24	-49.22	-2.00	-1.00	27.69	-1986.78	-1983.21	24.11	-84.82
5	39	295	-2.58	-52.41	-52.33	-2.65	-1.87	1115.12	-94.49	1038.82	-18.20	-294.06
5	39	296	-2.35	-53.35	-53.32	-2.38	1.20	1435.59	12.36	1391.38	56.58	246.92
5	39	297	-1.08	-49.67	-49.67	-1.09	0.55	-30.27	-1657.58	-1655.64	-32.22	56.24
5	39	298	-7.48	-53.59	-53.59	-7.48	-0.35	-2.20	-724.84	-724.83	-2.21	-2.89
5	39	299	4.24e-02	-58.07	-58.02	-8.70e-03	1.72	1150.42	-22.70	1149.81	-22.09	-26.73
5	39	300	-5.40	-53.00	-52.93	-5.47	1.82	249.08	-270.06	-33.59	12.61	258.54
5	39	301	-0.93	-43.92	-43.92	-0.93	0.30	-41.86	-2393.54	-2393.14	-42.27	30.75
5	39	302	-2.40	-38.41	-38.39	-2.42	0.81	1496.47	69.59	1449.37	116.68	-254.91
5	39	303	-2.62	-37.55	-37.47	-2.70	1.68	2644.33	9.88	2436.96	217.25	709.45
5	39	304	2.61	-27.00	-26.58	2.19	3.49	2266.74	-446.44	1435.81	384.49	1250.61
5	39	305	6.16	-6.28	5.68	-5.80	2.38	-127.25	-2705.51	-1506.05	-1326.72	1286.01
5	39	306	19.45	-6.96	14.36	-1.87	-10.41	565.94	-323.39	-322.34	564.90	-30.47
5	39	307	0.64	-17.48	-15.57	-1.26	5.56	605.71	140.95	142.29	604.37	24.95
5	39	308	13.01	-0.44	6.79	5.79	-6.71	-49.68	-2478.54	-1608.19	-920.02	1164.66
5	39	311	1.70	-16.96	-14.35	-0.91	6.47	666.76	45.11	46.46	665.42	28.87
5	39	325	10.30	-2.73	-1.16	8.73	4.23	3520.85	121.37	159.71	3482.50	359.01

5	39	326	9.06	-0.37	9.05	-0.36	0.29	502.78	27.86	33.21	497.43	-50.09
5	39	327	9.23	-0.98	8.02	0.23	-3.30	284.98	129.34	159.35	254.97	-61.40
5	39	328	10.93	-2.01	9.44	-0.52	4.13	460.24	61.29	61.49	460.04	-8.91
5	39	329	11.19	-1.64	9.45	0.11	4.40	395.12	107.79	108.03	394.89	8.19
5	39	330	13.95	-47.82	-28.72	-5.14	-28.55	-102.38	-892.87	-872.43	-122.82	-125.47
5	39	331	-5.67	-100.95	-95.28	-11.34	22.54	829.11	-567.96	11.47	249.68	-688.30
5	39	332	3.14	-40.53	-37.42	2.46e-02	-11.24	-967.77	-1180.31	-1152.29	-995.78	71.90
5	39	336	-0.29	-28.17	-27.06	-1.40	5.45	703.24	-235.76	-107.24	574.73	322.74
5	39	337	19.34	-36.32	-21.83	4.85	-24.42	480.48	48.38	312.45	216.41	-210.65
5	39	338	17.65	-30.39	-17.21	4.47	-21.43	632.14	196.09	485.85	342.38	-205.89
5	39	339	18.96	-27.10	-11.67	3.53	-21.74	526.48	287.78	363.62	450.64	-111.13
5	39	340	-4.23	-42.22	-41.85	-4.60	-3.73	675.83	-96.25	507.83	71.74	318.56
5	39	343	-5.45	-71.78	-37.67	-39.55	-33.15	-119.78	-1271.37	-1269.35	-121.80	-48.17
5	39	344	-2.89	-46.21	-46.06	-3.03	-2.53	1254.89	-18.71	995.58	240.60	-512.85
5	39	345	0.13	-63.42	-34.60	-28.69	-31.64	-40.55	-1032.90	-1031.89	-41.56	-31.68
5	39	347	-2.02	-46.19	-46.19	-2.02	8.71e-02	1384.92	207.48	1254.07	338.33	370.06
5	39	348	-0.17	-46.35	-46.35	-0.17	-2.21e-03	-1169.88	-2056.12	-2040.48	-1185.51	116.68
5	39	349	-4.96	-48.50	-48.49	-4.97	0.76	-60.82	-601.87	-326.02	-336.67	-270.47
5	39	350	3.65	-16.62	-12.45	-0.52	8.19	719.71	8.55	10.92	717.33	-41.04
5	39	365	11.51	-2.22	9.12	0.18	5.21	376.44	20.57	25.76	371.25	-42.65
5	39	366	-1.70	-27.80	-27.28	-2.22	3.64	2318.63	358.18	2214.42	462.39	439.83
5	39	367	12.02	-3.79	8.12	0.11	6.82	450.28	-63.19	-58.95	446.04	46.45
5	39	368	33.24	-46.91	-20.03	6.35	-37.84	372.53	86.53	342.68	116.39	-87.45
5	39	373	-4.37	-46.22	-46.02	-4.57	2.90	659.18	-374.61	215.34	69.23	511.71
5	39	376	0.30	-38.82	-38.64	0.12	2.65	-1416.63	-2729.63	-2728.92	-1417.35	-30.69
5	39	378	-3.01	-33.30	-33.13	-3.18	2.23	1559.84	148.78	1298.12	410.50	-548.46
5	39	379	6.71	-16.93	-9.63	-0.59	10.92	639.90	173.79	205.39	608.29	-117.19
5	39	383	2.64	-17.37	-16.21	1.48	4.67	2529.88	-419.04	1369.01	741.83	1440.73
5	39	386	18.01	-78.97	-78.97	18.01	-0.38	992.82	-14.74	981.68	-3.60	105.36
5	39	387	-2.35	-47.47	-42.57	-7.25	-14.04	855.20	-387.54	670.10	-202.44	-442.46
5	39	389	8.98	-8.84	-8.84	8.97	-0.21	641.96	-1878.42	-1187.59	-48.88	1124.24
5	39	393	10.97	-18.93	-5.71	-2.24	14.85	708.70	352.02	361.97	698.75	58.73
5	39	395	7.05	-79.14	-76.68	4.59	-14.35	-151.74	-418.39	-334.57	-235.57	-123.79
5	39	397	12.73	-6.51	5.85	0.37	9.22	375.05	-38.96	169.29	166.80	207.00
5	39	398	31.01	-0.48	29.08	1.45	-7.56	338.02	-1521.74	-1513.64	329.92	-122.48
5	39	399	2.91	-20.46	-16.75	-0.80	-8.54	477.83	138.37	165.16	451.04	-91.52
5	39	414	14.39	-10.47	2.52	1.39	12.42	606.09	-247.32	576.44	-217.68	156.27
5	39	415	38.49	0.85	38.48	0.86	0.73	808.69	13.70	786.08	36.31	132.15
5	39	417	2.73	-31.74	-26.46	-2.55	-12.41	529.17	-63.65	19.55	445.97	205.91
5	39	418	13.09	-6.59	5.77	0.72	-9.51	396.98	84.99	134.19	347.77	113.71
5	39	424	25.25	-16.85	9.27	-0.87	-20.43	874.17	-142.65	640.17	91.36	-428.00
5	39	425	20.24	-12.93	9.93	-2.62	-15.35	458.31	-299.16	-206.33	365.48	-248.39
5	39	427	20.49	-6.07	12.30	2.12	-12.27	387.84	-360.71	-133.43	160.56	-344.19
5	39	431	19.06	-14.29	4.22	0.55	-16.58	525.64	-24.53	-23.99	525.10	17.24
5	39	435	1.35	-41.61	1.21	-41.46	2.48	-218.74	-2078.30	-236.29	-2060.75	-179.79
5	39	439	2.69	-6.69	-3.57	-0.43	4.42	449.84	77.72	77.77	449.79	4.40
5	39	454	14.70	-17.27	-6.21e-03	-2.56	15.93	492.94	-1173.23	402.62	-1082.91	-377.27
5	39	455	7.09	-9.61	-2.40	-0.12	8.28	496.15	40.09	41.79	494.45	-27.76
5	39	456	4.48	-35.93	0.78	-32.24	11.65	96.41	-1924.43	-87.45	-1740.57	-581.16
5	39	457	6.80	-34.19	-27.12	-0.28	-15.49	575.18	238.46	443.96	369.68	-164.22
5	39	461	16.77	-22.60	-6.62	0.79	-19.34	474.62	89.37	89.75	474.24	-12.14
5	39	462	6.14	-24.57	-17.10	-1.34	-13.18	893.36	-525.49	462.12	-94.25	-652.61
5	39	465	18.31	-24.70	-8.09	1.71	-20.94	466.46	179.04	184.19	461.31	-38.13
5	39	466	26.13	-13.70	15.94	-3.50	-17.38	1756.66	197.23	1651.61	302.28	390.88
5	39	470	15.29	-20.70	-5.81	0.40	-17.73	463.51	49.97	50.06	463.42	-6.10
5	39	483	1.51	-30.53	-30.51	1.49	0.63	1014.12	-60.47	-28.70	982.35	182.02
5	39	500	21.63	-44.34	-26.59	3.88	-29.25	844.09	222.53	778.08	288.54	191.49
5	39	501	-0.56	-46.55	-46.47	-0.63	1.83	997.72	210.24	997.69	210.27	-5.02
5	39	503	-0.82	-30.45	-30.19	-1.08	2.78	691.51	-105.37	-91.08	677.22	-105.74
5	39	538	3.11	-99.20	-97.90	1.81	-11.44	1072.10	-16.49	995.96	59.65	-277.64
5	39	539	-1.44	-30.33	-29.71	-2.06	4.18	407.86	351.12	352.48	406.50	8.68
5	39	540	9.48	-26.62	-16.92	-0.22	-16.00	552.39	-0.89	0.65	550.85	-29.15
5	39	543	2.52	-24.79	-23.41	1.14	5.97	1179.32	-263.55	-258.35	1174.11	-86.53
5	39	547	25.66	-43.78	-25.37	7.25	-30.65	396.37	169.61	272.95	293.03	-112.93
5	39	549	33.78	3.95	33.09	4.64	4.48	137.42	-1064.51	-748.19	-178.90	-529.28
5	39	553	3.92	-29.55	-26.86	1.23	-9.10	932.75	-98.18	-90.03	924.60	-91.31
5	39	554	25.00	-13.26	11.89	-0.14	-18.16	689.13	-452.59	239.46	-2.93	-557.85
5	39	555	10.46	-12.88	-2.44	8.48e-03	11.60	383.84	175.68	178.55	380.97	-24.29
5	44	2	18.08	-0.90	15.23	1.95	6.78	553.29	-155.79	224.42	173.08	-353.61
5	44	18	14.68	-17.50	-0.27	-2.54	-16.05	504.22	-1162.52	411.93	-1070.24	381.18
5	44	19	18.75	1.24	17.52	2.48	-4.48	578.77	-859.70	-56.70	-224.22	-714.34
5	44	20	15.98	-1.65	12.48	1.86	-7.04	984.65	-812.13	650.88	-478.36	-698.79
5	44	21	7.92	-13.63	-5.76	5.58e-02	10.37	369.26	98.08	98.10	369.25	-1.96
5	44	22	3.33	-36.11	-32.69	-8.83e-02	11.09	-959.08	-1206.57	-1174.75	-990.89	-82.84
5	44	23	-3.83	-37.91	-37.46	-4.28	3.88	771.70	-77.93	625.35	68.42	-320.82
5	44	24	-0.46	-38.80	-38.63	-0.64	2.58	-1217.32	-2205.92	-2200.02	-1223.21	76.12
5	44	25	-2.53	-42.94	-42.76	-2.72	2.73	1237.57	-24.82	978.17	234.57	510.07
5	44	26	-1.93	-43.34	-43.34	-1.93	0.13	1394.49	210.23	1264.98	339.74	-369.60
5	44	27	-0.26	-44.45	-44.45	-0.26	0.15	-1171.39	-2067.55	-2051.59	-1187.34	-118.52
5	44	28	-4.78	-46.98	-46.97	-4.79	-0.63	-72.14	-609.52	-343.69	-337.98	268.68

5	44	29	8.24	-1.36	6.70	0.18	3.53	283.44	129.64	159.31	253.77	60.68
5	44	30	-4.41	-45.36	-45.18	-4.59	-2.69	673.22	-368.44	233.83	70.95	-514.42
5	44	31	0.25	-38.26	-38.09	8.34e-02	-2.52	-1415.51	-2729.85	-2729.25	-1416.10	27.94
5	44	32	-3.02	-33.02	-32.87	-3.17	-2.09	1547.94	151.86	1290.43	409.37	541.47
5	44	33	-1.82	-27.58	-27.09	-2.30	-3.50	2332.11	348.39	2219.17	461.34	-459.67
5	44	34	2.51	-17.43	-16.31	1.39	-4.59	2528.65	-391.65	1393.62	743.39	-1423.50
5	44	35	8.96	-8.98	-8.98	8.96	4.89e-02	613.45	-1947.57	-1229.05	-105.07	-1150.60
5	44	36	21.43	-2.54	18.69	0.20	7.62	747.31	47.97	746.99	48.29	15.10
5	44	37	14.06	-17.21	-2.89	-0.26	-15.58	495.90	185.98	356.35	325.53	154.19
5	44	38	29.13	0.61	1.06	28.67	3.59	781.10	-1222.62	-883.38	441.86	-751.44
5	44	55	1.21	-39.27	-38.84	0.77	4.17	1091.26	-19.73	1086.65	-15.12	71.43
5	44	56	-4.72	-43.78	-43.73	-4.77	-1.43	470.25	7.54	442.89	34.90	-109.13
5	44	57	-2.16	-45.13	-45.10	-2.18	1.00	30.09	-1984.82	-1980.45	25.71	93.79
5	44	58	-2.26	-48.04	-47.96	-2.34	1.93	1102.53	-99.06	1027.34	-23.87	291.01
5	44	59	-2.36	-50.10	-50.06	-2.40	-1.36	1445.61	14.64	1400.21	60.04	-250.83
5	44	66	2.99	-6.76	-3.23	-0.54	-4.68	472.27	92.16	92.29	472.14	7.00
5	44	71	15.06	-5.52	10.20	-0.66	-8.74	1210.41	-1805.78	877.96	-1473.32	-944.58
5	44	88	-1.20	-47.88	-47.87	-1.21	-0.59	-32.02	-1662.07	-1660.96	-33.13	-42.57
5	44	89	-0.55	-27.45	-26.54	-1.46	-4.88	706.44	-237.76	-110.16	578.85	-322.79
5	44	90	-7.10	-51.46	-51.45	-7.11	0.53	-5.93	-718.22	-718.19	-5.96	-4.13
5	44	91	-6.57e-02	-56.77	-56.71	-0.13	-1.84	1144.38	-24.47	1143.80	-23.88	26.16
5	44	92	2.72	-27.87	2.30	-27.46	-3.54	-1416.63	-4736.08	-1461.47	-4691.25	-383.17
5	44	93	14.65	-19.60	-2.37	-2.58	-17.13	755.82	40.46	309.02	487.26	346.40
5	44	97	2.02	-23.75	2.02	-23.75	0.40	-725.42	-4703.62	-748.92	-4680.12	-304.86
5	44	100	-3.52	-50.59	-46.23	-7.88	13.65	910.61	-372.47	740.61	-202.47	435.00
5	44	101	1.42	-13.83	-0.66	-11.75	-5.23	1492.91	-301.41	-15.66	1207.16	656.57
5	44	103	7.43	-8.10	-2.12	1.45	7.56	1107.50	-1137.88	788.34	-818.73	-784.07
5	44	111	-5.37	-52.16	-52.08	-5.44	-1.88	257.40	-278.08	-35.43	14.75	-266.56
5	44	113	-0.93	-43.27	-43.27	-0.94	-0.21	-39.89	-2391.46	-2391.38	-39.98	-14.19
5	44	129	6.20	-83.29	-81.18	4.09	13.58	-292.98	-576.20	-560.81	-308.37	64.21
5	44	131	-2.38	-38.02	-38.00	-2.40	-0.80	1506.07	70.48	1463.05	113.49	244.75
5	44	132	-2.68	-37.35	-37.28	-2.75	-1.62	2668.60	9.51	2458.74	219.38	-716.94
5	44	133	2.56	-27.34	-26.94	2.17	-3.40	2272.34	-439.73	1458.06	374.55	-1243.12
5	44	134	6.17	-6.18	5.70	-5.70	-2.38	-110.93	-2728.11	-1544.93	-1294.11	-1302.57
5	44	135	28.27	-0.56	26.11	1.61	7.60	339.95	-1516.17	-1507.15	330.93	129.09
5	44	136	0.98	-36.43	-34.85	-0.60	7.51	1064.77	206.16	1026.76	244.16	176.59
5	44	144	18.17	-83.19	-83.19	18.17	0.46	1010.11	-22.42	995.99	-8.30	-119.90
5	44	152	-1.20	-28.08	-26.95	-2.33	5.40	585.72	-39.67	246.73	299.32	311.58
5	44	155	18.41	-33.45	-18.73	3.69	23.38	612.12	428.93	434.00	607.05	30.06
5	44	169	13.00	-0.49	6.78	5.73	6.72	-63.83	-2456.91	-1612.94	-907.80	-1143.41
5	44	170	2.01	-6.96	-5.00	4.30e-02	3.71	353.01	112.87	112.91	352.97	-3.19
5	44	171	15.34	-19.97	-6.54	1.90	17.14	668.26	-39.83	393.51	234.91	345.05
5	44	172	7.39	-31.90	-24.52	6.41e-03	15.35	564.33	240.58	442.97	361.93	156.72
5	44	174	-8.33	-72.30	-42.99	-37.65	31.88	-106.14	-1176.81	-1174.75	-108.19	46.83
5	44	175	19.00	0.71	18.44	1.27	3.15	545.29	28.53	507.05	66.77	135.27
5	44	182	7.95	-0.36	7.95	-0.36	2.48e-02	502.27	28.02	33.49	496.80	50.63
5	44	186	9.83	-1.90	8.45	-0.52	-3.78	460.86	61.14	61.40	460.60	10.12
5	44	189	4.33	-7.52	-2.84	-0.35	-5.79	500.20	54.60	55.65	499.15	21.65
5	44	193	25.21	-42.30	-24.97	7.88	29.49	348.07	179.37	243.56	283.88	81.91
5	44	207	1.51	-29.34	-29.34	1.51	9.92e-02	1013.10	-62.85	-29.76	980.01	-185.76
5	44	208	-1.10	-28.51	-28.40	-1.21	1.72	562.06	119.13	467.03	214.16	-181.83
5	44	209	-0.95	-29.30	-29.15	-1.11	-2.08	690.38	-103.72	-89.46	676.12	105.44
5	44	210	-1.63	-29.41	-28.96	-2.07	-3.48	409.56	351.37	352.81	408.12	-9.03
5	44	211	25.56	-0.26	25.17	0.13	3.13	-1353.95	-2351.31	-2349.48	-1355.77	-42.66
5	44	212	-0.78	-60.91	-34.26	-27.43	29.87	-32.87	-993.89	-993.21	-33.55	25.55
5	44	230	6.78	-16.62	-0.50	-9.34	-10.83	1324.36	-72.00	147.64	1104.72	508.38
5	44	232	2.88	-101.78	-100.64	1.73	10.88	1087.58	-1.31	1022.19	64.07	258.70
5	44	234	2.29	-24.26	-23.03	1.07	-5.56	1176.09	-260.09	-255.27	1171.27	83.06
5	44	249	-0.60	-21.87	-19.61	-2.86	-6.56	856.05	189.02	523.32	521.75	333.51
5	44	250	3.04	-17.96	-12.26	-2.66	-9.34	1070.53	388.19	862.92	595.80	-313.94
5	44	251	14.21	-18.08	-4.90	1.03	-15.87	2329.91	2.74	1036.79	1295.86	-1156.35
5	44	252	25.92	-5.49	-2.23	22.66	-9.58	2239.89	-563.23	-84.98	1761.64	-1054.45
5	44	262	4.50	-36.04	0.77	-32.30	-11.73	108.51	-1921.01	-85.08	-1727.42	596.17
5	44	265	18.35	-13.18	7.73	-2.56	14.90	473.64	-272.85	-179.20	379.99	247.27
5	44	269	22.83	-37.33	-22.53	8.04	25.91	605.37	413.05	590.00	428.42	52.14
5	44	272	18.66	-16.99	1.05	0.61	17.83	409.26	34.29	43.65	399.91	58.48
5	44	273	19.58	-18.18	-0.51	1.91	18.84	384.94	119.18	133.95	370.17	60.88
5	44	287	18.57	-19.86	-3.21	1.92	19.04	496.88	114.89	214.59	397.18	167.76
5	44	288	35.68	-3.74	-3.07	35.01	5.07	2418.84	576.63	886.92	2108.55	-689.45
5	44	289	-0.39	-4.23	-4.23	-0.39	-7.42e-03	446.12	68.74	68.98	445.88	-9.54
5	44	290	12.07	-27.58	-16.03	0.53	18.01	564.11	111.84	111.85	564.10	1.95
5	44	291	14.00	-29.86	-16.53	0.67	20.17	603.38	276.70	278.79	601.30	26.03
5	44	292	25.26	-1.46	24.33	-0.52	4.91	813.75	-214.37	809.64	-210.26	64.87
5	44	293	27.12	2.36	27.10	2.39	-0.78	319.35	-161.51	282.77	-124.92	127.50
5	44	294	31.04	2.87	31.04	2.87	-0.25	409.65	-1846.73	-1843.02	405.95	-91.38
5	44	295	36.05	1.62	35.89	1.78	2.33	703.99	-264.42	682.40	-242.83	-142.98
5	44	296	41.79	2.04	41.77	2.06	-0.96	1336.09	-127.45	1327.68	-119.05	110.58
5	44	297	39.18	1.64	39.17	1.64	0.31	423.66	-1336.36	-1331.58	418.88	-91.62
5	44	298	39.80	4.89	39.74	4.94	1.40	-201.33	-995.90	-943.36	-253.87	197.45
5	44	299	49.09	0.90	49.06	0.93	-1.30	847.23	-110.00	831.07	-93.84	-123.35

5	44	300	45.22	4.15	45.18	4.20	-1.34	261.91	-172.03	251.53	-161.66	66.29
5	44	301	38.84	1.14	38.68	1.30	-2.47	585.64	-2296.26	-2249.76	539.14	-363.08
5	44	302	39.40	2.33	39.40	2.33	-0.24	104.15	-525.30	-69.30	-351.85	-281.24
5	44	303	42.09	2.50	42.07	2.52	-0.92	966.94	-1328.44	-132.62	-228.88	-1146.68
5	44	304	25.08	-3.89	24.27	-3.08	-4.77	1485.96	-1122.15	805.10	-441.29	-1145.50
5	44	305	17.25	6.75	17.02	6.98	-1.53	2882.36	7.31	1419.53	1470.14	-1437.30
5	44	306	4.44	-27.84	-24.75	1.35	9.49	929.45	-99.98	-92.72	922.19	86.17
5	44	307	10.18	-1.45	8.62	0.11	-3.96	394.85	107.65	107.89	394.61	-8.29
5	44	308	-6.39	-9.42	-7.84	-7.98	1.51	2440.64	-175.87	1668.93	595.84	-1193.17
5	44	311	10.61	-1.93	8.47	0.21	-4.72	375.45	20.12	25.52	370.04	43.49
5	44	325	1.37	-41.91	1.25	-41.79	-2.32	-216.34	-2073.48	-236.28	-2053.54	191.41
5	44	326	-0.48	-16.66	-16.64	-0.50	-0.56	559.19	44.67	45.35	558.51	-18.65
5	44	327	0.41	-17.36	-16.89	-5.80e-02	2.86	421.42	177.85	191.60	407.67	-56.21
5	44	328	0.73	-17.28	-16.06	-0.49	-4.53	564.81	78.85	78.85	564.81	0.26
5	44	329	0.32	-16.91	-15.31	-1.28	-5.00	605.68	140.86	142.18	604.36	-24.71
5	44	330	12.18	-47.92	-31.43	-4.31	26.82	-107.73	-941.85	-924.30	-125.29	119.74
5	44	331	32.04	4.00	31.46	4.58	-3.99	156.28	-1051.55	-708.34	-186.93	544.74
5	44	332	24.90	-4.78	21.54	-1.41	9.41	-1030.35	-1864.10	-1771.91	-1122.54	261.47
5	44	336	21.55	-0.47	20.88	0.21	-3.80	269.05	-298.98	-143.77	113.83	253.13
5	44	337	17.83	-36.66	-24.05	5.23	22.98	439.85	44.37	275.56	208.66	194.89
5	44	338	16.44	-30.70	-18.95	4.70	20.39	612.82	219.67	490.46	342.03	182.03
5	44	339	17.95	-27.47	-13.17	3.64	21.10	522.95	297.44	368.60	451.80	104.80
5	44	340	24.40	1.61	23.67	2.34	4.00	695.87	-225.71	589.22	-119.05	294.82
5	44	343	64.08	-15.87	-8.42	56.63	23.25	-228.24	-687.24	-624.65	-290.83	157.52
5	44	344	30.41	1.52	30.01	1.91	3.35	833.11	-117.77	661.79	53.55	-365.45
5	44	345	35.33	-23.82	-13.37	24.88	22.56	-214.26	-819.74	-807.24	-226.77	86.11
5	44	347	34.52	1.84	34.47	1.88	1.18	1339.72	202.43	1312.28	229.87	174.52
5	44	348	34.68	-1.03	34.66	-1.02	0.79	-1411.69	-2436.50	-2408.18	-1440.02	168.01
5	44	349	35.32	2.53	35.30	2.55	0.81	-750.49	-920.88	-919.79	-751.57	-13.58
5	44	350	11.20	-3.45	7.60	0.15	-6.31	447.37	-63.29	-59.19	443.27	-45.58
5	44	365	1.29	-16.43	-14.18	-0.96	-5.90	667.47	43.75	45.09	666.14	-28.81
5	44	366	29.94	2.27	29.60	2.61	-3.03	1048.25	-1283.35	120.26	-355.36	-1141.29
5	44	367	3.22	-16.13	-12.34	-0.57	-7.68	719.89	9.28	11.70	717.47	41.40
5	44	368	22.93	-16.63	7.21	-0.90	19.36	848.62	-117.20	641.13	90.29	396.67
5	44	373	39.40	3.56	39.21	3.75	-2.58	688.05	-210.34	649.42	-171.70	182.25
5	44	376	34.47	-0.92	34.41	-0.87	-1.39	-1617.37	-2794.70	-2741.65	-1670.42	-244.22
5	44	378	32.08	2.76	32.00	2.83	-1.47	759.16	-824.91	98.27	-164.02	-781.10
5	44	379	12.08	-6.16	5.48	0.44	-8.77	371.62	-38.20	169.00	164.42	-204.90
5	44	383	27.49	-6.00	24.36	-2.87	-9.75	1767.34	-1732.08	792.18	-756.92	-1568.94
5	44	386	109.08	-12.64	109.01	-12.56	3.01	800.21	-151.22	745.49	-96.50	-221.52
5	44	387	38.92	5.23	37.69	6.45	6.30	1318.16	116.87	1296.04	138.98	-161.49
5	44	389	10.74	-2.18	6.08	2.48	-6.20	1555.31	-1371.48	781.02	-597.19	-1290.99
5	44	393	14.09	-10.36	2.25	1.47	-12.22	609.18	-256.70	579.50	-227.02	-157.54
5	44	395	156.94	1.09	156.84	1.18	3.85	-371.01	-1607.45	-1483.64	-494.82	371.16
5	44	397	6.34	-16.54	-9.57	-0.63	-10.53	643.54	175.22	206.63	612.12	117.15
5	44	398	-0.64	-39.72	-38.90	-1.46	5.60	-35.12	-1026.69	-1008.12	-53.69	134.42
5	44	399	12.24	-7.26	4.32	0.66	9.58	399.75	85.17	134.06	350.86	-113.97
5	44	414	10.72	-18.68	-5.66	-2.30	-14.60	711.51	354.90	365.51	700.91	-60.56
5	44	415	-0.60	-45.21	-45.15	-0.66	-1.58	995.06	209.37	995.03	209.40	4.55
5	44	417	18.80	-7.07	9.74	1.98	12.34	391.39	-348.52	-122.61	165.48	340.76
5	44	418	3.39	-20.16	-16.05	-0.72	8.94	478.57	138.61	165.83	451.36	92.26
5	44	424	33.45	-44.70	-18.08	6.84	37.04	325.41	103.75	314.18	114.98	48.61
5	44	425	15.19	-33.55	-22.37	4.00	20.50	840.01	255.73	267.95	827.79	-83.60
5	44	427	3.47	-29.98	-24.10	-2.41	12.72	524.77	-74.80	10.45	439.52	-209.39
5	44	431	10.02	-26.27	-16.09	-0.15	16.30	550.89	-2.29	-0.75	549.35	29.12
5	44	435	10.88	-2.58	-1.15	9.45	-4.14	3512.68	124.89	163.42	3474.15	-359.22
5	44	439	2.37	-6.52	-3.72	-0.43	-4.13	449.22	77.88	77.92	449.18	-3.98
5	44	454	13.38	-18.96	-4.43	-1.14	-16.09	1477.21	450.73	488.48	1439.46	-193.20
5	44	455	6.54	-9.17	-2.50	-0.12	-7.77	495.06	39.46	41.26	493.26	28.57
5	44	456	19.40	-3.41	1.03	14.96	-9.03	3274.67	347.29	410.52	3211.44	-425.56
5	44	457	18.79	-10.28	8.54	-2.58e-02	13.89	268.29	111.32	266.77	112.84	-15.35
5	44	461	16.09	-23.58	-8.30	0.80	19.31	475.46	90.95	91.30	475.11	11.63
5	44	462	29.26	-12.23	20.04	-3.01	17.25	1717.62	182.99	1601.41	299.19	-405.98
5	44	465	17.50	-25.45	-9.69	1.74	20.70	466.92	183.88	188.38	462.42	35.43
5	44	466	5.13	-26.52	-19.71	-1.68	13.01	924.90	-493.87	518.59	-87.57	641.38
5	44	470	14.59	-21.65	-7.46	0.40	17.68	464.49	50.10	50.20	464.39	6.38
5	44	483	21.31	-2.65	21.25	-2.60	1.10	548.91	-257.58	-220.59	511.92	168.71
5	44	500	23.22	-13.31	10.19	-0.28	17.50	700.95	-416.72	279.77	4.45	541.61
5	44	501	36.50	0.86	36.49	0.87	-0.56	804.85	10.20	780.24	34.82	-137.67
5	44	503	21.61	-0.42	21.60	-0.41	-0.45	385.37	-363.98	-300.71	322.10	-208.34
5	44	538	84.83	-8.56	81.43	-5.16	17.49	705.26	-62.86	656.79	-14.39	-186.77
5	44	539	21.65	0.80	21.46	0.99	-1.96	421.53	99.38	372.07	148.84	-116.13
5	44	540	18.14	-14.93	2.71	0.50	16.50	527.90	-23.36	-22.81	527.35	-17.38
5	44	543	19.74	-2.40	19.26	-1.92	-3.22	427.24	-559.79	-555.95	423.41	-61.40
5	44	547	14.01	-24.23	-10.81	0.59	18.25	597.25	-72.07	406.33	118.85	302.22
5	44	549	-5.68	-99.53	-93.96	-11.26	-22.19	813.73	-602.83	-51.67	262.57	690.64
5	44	553	17.51	-7.51	11.87	-1.87	10.46	569.57	-320.18	-318.82	568.21	34.77
5	44	554	21.98	-42.06	-24.25	4.18	28.69	824.33	197.72	741.83	280.22	-211.87
5	44	555	10.03	-12.48	-2.47	1.22e-02	-11.19	385.18	176.70	179.82	382.06	25.31
5	76	2	14.58	0.47	13.65	1.41	3.50	543.05	-119.11	234.64	189.31	-330.30

5	76	18	8.50	-11.28	-0.60	-2.18	-9.85	507.85	-622.62	397.07	-511.84	336.10
5	76	19	12.47	0.41	11.56	1.32	-3.19	631.58	-614.44	84.85	-67.70	-618.32
5	76	20	10.50	-1.21	8.48	0.80	-4.42	875.48	-429.56	687.50	-241.58	-458.24
5	76	21	3.95	-7.15	-3.31	0.12	5.28	368.45	98.32	98.33	368.44	-1.57
5	76	22	2.25	-26.53	-24.36	7.84e-02	7.60	-986.97	-1341.68	-1304.21	-1024.44	-109.03
5	76	23	-3.33	-30.64	-30.42	-3.56	2.46	660.15	-147.48	506.63	6.05	-316.89
5	76	24	-9.38e-02	-31.10	-31.04	-0.15	1.35	-1247.89	-2245.96	-2239.84	-1254.02	77.94
5	76	25	-2.17	-32.71	-32.64	-2.24	1.45	1198.95	-8.77	976.06	214.12	468.52
5	76	26	-1.45	-32.34	-32.34	-1.45	-0.18	1343.77	193.22	1234.28	302.71	-337.61
5	76	27	-8.68e-02	-31.57	-31.57	-8.70e-02	-8.01e-02	-1211.82	-2096.71	-2080.10	-1228.43	-120.10
5	76	28	-3.52	-32.36	-32.35	-3.53	-0.57	-145.84	-606.42	-350.18	-402.08	228.82
5	76	29	6.37	0.11	6.22	0.26	0.96	321.31	141.74	167.59	295.47	63.03
5	76	30	-2.76	-29.46	-29.35	-2.87	-1.69	567.75	-327.49	241.95	-1.69	-430.72
5	76	31	0.17	-24.13	-23.99	2.65e-02	-1.84	-1470.50	-2754.34	-2749.11	-1475.74	81.82
5	76	32	-1.77	-19.34	-19.23	-1.89	-1.41	1397.62	-33.53	1072.62	291.48	599.58
5	76	33	-0.76	-15.38	-15.07	-1.07	-2.11	1725.86	256.73	1714.94	267.65	-126.16
5	76	34	0.87	-8.10	-7.87	0.64	-1.42	1642.91	-62.95	1183.73	396.23	-756.61
5	76	35	7.90	-6.06	-5.91	7.75	1.42	166.80	-1202.14	-825.94	-209.41	-611.12
5	76	36	21.04	0.21	20.15	1.10	4.22	833.38	100.74	832.90	101.22	-18.70
5	76	37	8.66	-11.00	-2.17	-0.17	-9.78	413.21	241.39	339.05	315.54	85.10
5	76	38	22.92	0.47	0.51	22.88	0.96	373.77	-659.78	-478.76	192.76	-392.83
5	76	55	0.39	-32.93	-32.82	0.28	1.91	1066.02	-46.51	1062.61	-43.10	61.52
5	76	56	-4.37	-37.08	-37.08	-4.37	-6.45e-02	333.21	-63.13	297.35	-27.27	-113.70
5	76	57	-0.65	-34.88	-34.85	-0.67	0.91	109.95	-1962.23	-1959.63	107.35	73.35
5	76	58	-1.98	-37.81	-37.79	-2.00	0.80	1066.00	-110.11	1006.95	-51.05	256.85
5	76	59	-1.44	-37.32	-37.31	-1.45	-0.36	1383.03	-30.77	1350.51	1.75	-211.95
5	76	66	3.15	-5.45	-1.76	-0.54	-4.25	473.79	93.14	93.18	473.75	3.78
5	76	71	9.04	-1.96	7.35	-0.28	-3.96	968.93	-991.01	849.92	-872.00	-468.06
5	76	88	-0.22	-33.15	-33.15	-0.23	-0.36	77.22	-1592.09	-1591.08	76.22	-41.01
5	76	89	-0.25	-18.24	-17.38	-1.11	-3.84	610.72	-250.67	-121.76	481.82	-307.28
5	76	90	-5.38	-36.81	-36.80	-5.39	-0.49	-45.18	-700.39	-699.81	-45.76	-19.42
5	76	91	0.52	-37.11	-37.09	0.51	-0.73	1093.29	-35.24	1092.64	-34.59	27.00
5	76	92	1.37	-16.13	1.32	-16.07	-0.98	-1184.55	-3234.19	-1189.04	-3229.70	-95.82
5	76	93	8.10	-12.50	-1.97	-2.43	-10.30	603.19	173.25	289.12	487.32	190.77
5	76	97	1.11	-10.56	1.01	-10.47	-1.05	-346.87	-3138.31	-351.44	-3133.74	-112.82
5	76	100	3.52	-15.93	-10.17	-2.25	8.88	874.23	-263.26	750.91	-139.94	353.64
5	76	101	0.29	-11.58	-0.51	-10.78	-2.97	1262.42	-123.77	-22.24	1160.89	361.16
5	76	103	9.40	-3.59	-1.24	7.04	5.00	624.14	-674.62	438.78	-489.27	-454.29
5	76	111	-3.53	-34.01	-33.98	-3.55	-0.87	161.48	-232.46	-27.12	-43.86	-196.79
5	76	113	-0.32	-27.07	-27.06	-0.32	0.50	90.38	-2366.10	-2365.67	89.95	32.48
5	76	129	11.24	-14.89	-10.62	6.96	9.67	-287.68	-577.56	-574.67	-290.57	28.80
5	76	131	-1.56	-22.08	-22.06	-1.57	-0.51	1236.96	-41.40	1171.51	24.05	281.75
5	76	132	-1.41	-20.21	-20.17	-1.45	-0.85	1920.23	49.05	1857.98	111.30	-335.57
5	76	133	1.29	-15.87	-15.73	1.15	-1.52	1575.86	-148.61	1238.29	188.96	-684.23
5	76	134	8.01	-2.90	7.78	-2.67	-1.56	-75.73	-1548.77	-952.76	-671.74	-722.99
5	76	135	25.46	-9.85e-02	24.76	0.60	4.17	248.64	-1417.03	-1411.44	243.04	96.38
5	76	136	-0.14	-29.43	-28.60	-0.96	4.85	1039.80	194.52	1016.96	217.36	137.05
5	76	144	9.36	-24.58	-24.58	9.36	-5.21e-02	915.71	-22.68	915.28	-22.26	-19.98
5	76	152	-1.17	-20.61	-20.20	-1.58	2.79	562.29	-52.41	245.61	264.27	307.21
5	76	155	14.25	-24.83	-14.34	3.76	17.32	559.48	378.44	378.47	559.46	-2.26
5	76	169	7.53	-1.90	3.12	2.50	4.71	-98.72	-1390.67	-934.08	-555.30	-617.59
5	76	170	0.35	-3.16	-2.83	1.59e-02	1.02	351.90	112.40	112.41	351.88	-1.88
5	76	171	10.90	-12.39	-6.15	4.66	10.31	620.78	70.20	406.73	284.25	268.39
5	76	172	4.44	-23.88	-19.10	-0.33	10.61	480.49	226.02	401.56	304.95	117.71
5	76	174	8.66	-52.35	-30.82	-12.88	29.16	-162.02	-1115.37	-1115.22	-162.16	-11.82
5	76	175	15.53	0.98	15.48	1.04	0.88	553.13	44.24	492.34	105.02	165.04
5	76	182	6.86	-0.62	6.61	-0.36	-1.36	517.05	32.37	35.98	513.44	41.69
5	76	186	8.14	-1.90	6.73	-0.49	-3.49	480.60	63.99	64.03	480.56	4.01
5	76	189	3.96	-5.90	-1.59	-0.35	-4.89	497.08	57.84	58.16	496.76	11.79
5	76	193	22.45	-34.93	-20.68	8.20	24.78	319.88	255.78	311.18	264.49	21.96
5	76	207	0.57	-20.74	-20.70	0.54	-0.89	895.92	-110.58	-85.72	871.06	-156.20
5	76	208	-0.98	-21.01	-21.01	-0.98	7.66e-02	566.14	93.90	470.28	189.77	-189.95
5	76	209	-0.63	-20.50	-20.26	-0.87	-2.19	621.03	-158.07	-132.85	595.80	137.90
5	76	210	-0.99	-20.10	-19.57	-1.52	-3.13	367.52	343.20	360.13	350.59	11.19
5	76	211	23.44	-0.48	23.33	-0.38	1.56	-1330.37	-2334.99	-2331.61	-1333.75	-58.19
5	76	212	3.81	-46.07	-28.52	-13.75	23.82	-76.42	-949.95	-949.94	-76.42	-2.72
5	76	230	3.11	-12.10	-0.28	-8.70	-6.33	1149.47	56.73	133.67	1072.53	279.56
5	76	232	0.73	-44.85	-44.27	0.16	5.09	1002.59	-26.11	925.90	50.57	270.20
5	76	234	1.66	-15.95	-14.78	0.49	-4.38	1010.35	-325.80	-317.51	1002.06	104.90
5	76	249	0.33	-13.80	-11.96	-1.50	-4.75	784.97	-35.44	402.47	347.06	409.26
5	76	250	2.49	-11.22	-7.22	-1.51	-6.23	827.56	332.33	806.53	353.36	-99.87
5	76	251	10.20	-11.28	-1.98	0.91	-10.64	1505.63	92.39	940.65	657.36	-692.28
5	76	252	15.07	-4.14	-1.39	12.32	-6.73	762.48	-840.92	-420.81	342.37	-705.06
5	76	262	3.34	-23.52	1.03	-21.21	-7.53	295.23	-935.51	-2.43	-637.85	527.01
5	76	265	13.91	-4.63	9.53	-0.25	7.88	523.54	-166.71	-110.15	466.98	189.32
5	76	269	19.38	-29.90	-17.74	7.22	21.25	545.08	400.93	544.12	401.89	-11.72
5	76	272	12.25	-8.21	2.98	1.06	10.18	443.48	52.52	57.90	438.10	45.56
5	76	273	13.21	-9.31	1.51	2.39	11.25	414.43	145.42	152.34	407.51	42.58
5	76	287	12.80	-10.91	-1.63	3.51	11.57	494.77	172.62	235.75	431.64	127.87
5	76	288	23.22	-2.44	-1.85	22.62	3.87	1023.79	143.24	546.44	620.59	-438.71

5	76	289	0.38	-3.13	-2.34	-0.40	-1.46	449.57	68.30	68.38	449.49	-5.41
5	76	290	6.88	-18.47	-12.02	0.43	11.04	533.81	99.19	99.45	533.55	-10.53
5	76	291	9.40	-20.87	-12.47	1.01	13.55	544.19	239.26	239.62	543.84	10.44
5	76	292	26.00	7.99e-02	25.80	0.28	2.27	887.33	-149.57	886.87	-149.10	21.97
5	76	293	26.46	2.54	26.45	2.55	0.30	232.39	-157.16	188.69	-113.46	122.93
5	76	294	26.31	1.11	26.31	1.11	-0.34	316.70	-1883.85	-1881.44	314.28	-72.87
5	76	295	31.46	1.59	31.42	1.63	1.03	843.76	-199.99	814.39	-170.62	-172.62
5	76	296	33.27	1.25	33.27	1.25	-0.14	1321.62	-108.60	1308.60	-95.58	135.84
5	76	297	27.87	0.52	27.85	0.53	0.56	323.79	-1408.52	-1407.63	322.90	-39.23
5	76	298	29.01	3.72	29.01	3.72	0.21	-154.20	-838.09	-812.65	-179.64	129.42
5	76	299	32.80	0.17	32.79	0.18	-0.47	924.97	-79.13	918.67	-72.83	-79.25
5	76	300	29.27	2.55	29.27	2.56	-0.43	144.95	-165.56	119.43	-140.04	85.28
5	76	301	24.88	0.40	24.75	0.52	-1.77	428.79	-2301.38	-2279.37	406.78	-244.11
5	76	302	25.85	1.53	25.85	1.53	-0.12	458.15	-361.56	327.97	-231.37	-299.61
5	76	303	25.94	1.21	25.93	1.21	-0.34	890.94	-598.88	426.96	-134.91	-689.90
5	76	304	13.76	-2.40	13.24	-1.88	-2.86	1151.46	-542.81	867.85	-259.20	-632.51
5	76	305	14.32	4.18	14.30	4.20	-0.47	1554.33	-27.30	679.17	847.87	-786.30
5	76	306	1.90	-20.74	-19.32	0.49	5.48	849.93	-148.15	-141.43	843.21	81.66
5	76	307	8.14	-1.81	6.49	-0.16	-3.70	439.65	116.17	116.17	439.65	0.18
5	76	308	-4.56	-5.35	-4.62	-5.30	-0.20	1304.63	-159.14	873.13	272.37	-667.40
5	76	311	8.15	-2.18	6.09	-0.12	-4.13	445.15	29.30	32.74	441.72	37.65
5	76	325	0.79	-29.84	0.75	-29.81	-1.03	-114.39	-893.57	-168.30	-839.65	197.75
5	76	326	-0.26	-11.67	-11.43	-0.50	-1.64	549.19	41.94	43.13	548.00	-24.55
5	76	327	-0.17	-12.00	-11.97	-0.21	0.62	398.51	167.95	185.11	381.35	-60.52
5	76	328	0.77	-12.23	-10.91	-0.55	-3.92	539.16	73.70	73.70	539.15	1.25
5	76	329	0.72	-11.90	-10.17	-1.01	-4.34	557.07	134.15	134.96	556.27	-18.42
5	76	330	7.99	-39.83	-28.82	-3.02	20.13	-109.09	-876.30	-869.04	-116.35	74.28
5	76	331	12.61	2.22	12.60	2.24	-0.40	22.91	-664.87	-573.92	-68.03	232.98
5	76	332	23.09	-2.12	22.14	-1.17	4.80	-1019.20	-1736.85	-1662.93	-1093.12	218.13
5	76	336	15.02	-0.94	14.30	-0.22	-3.31	364.86	-285.55	-143.05	222.36	269.03
5	76	337	15.76	-29.90	-21.11	6.97	18.00	406.91	127.20	308.66	225.46	133.53
5	76	338	14.32	-24.16	-16.19	6.35	15.59	546.73	273.55	475.81	344.47	119.76
5	76	339	13.71	-19.25	-10.17	4.63	14.73	480.82	317.34	351.37	446.79	66.37
5	76	340	22.57	1.85	22.37	2.05	2.03	600.80	-236.58	470.44	-106.21	303.60
5	76	343	37.60	-16.15	-13.35	34.80	11.94	-186.83	-665.51	-626.78	-225.55	130.52
5	76	344	25.79	1.61	25.68	1.72	1.68	973.01	-61.79	800.58	110.64	-385.61
5	76	345	19.56	-23.07	-16.59	13.08	15.30	-156.19	-765.17	-755.16	-166.20	77.44
5	76	347	27.64	1.44	27.63	1.45	0.48	1309.98	190.91	1260.21	240.68	230.69
5	76	348	25.89	-1.08	25.88	-1.07	0.26	-1346.17	-2295.43	-2271.15	-1370.45	149.84
5	76	349	25.03	1.73	25.02	1.74	0.50	-558.90	-735.97	-660.62	-634.25	-87.55
5	76	350	8.17	-2.87	5.36	-6.24e-02	-4.80	504.69	-46.22	-42.17	500.64	-47.03
5	76	365	1.54	-11.46	-9.22	-0.70	-4.91	607.33	42.35	43.93	605.75	-29.84
5	76	366	19.08	1.19	18.87	1.40	-1.95	1026.57	-655.84	554.18	-183.45	-756.04
5	76	367	2.82	-11.14	-7.97	-0.35	-5.85	655.58	-6.00	-2.99	652.57	44.52
5	76	368	13.22	-3.62	7.30	2.30	8.04	734.34	-74.71	560.03	99.60	332.63
5	76	373	25.65	1.89	25.49	2.05	-1.94	554.43	-226.62	467.52	-139.71	245.61
5	76	376	22.68	-0.93	22.63	-0.89	-1.05	-1583.02	-2790.96	-2756.36	-1617.62	-201.49
5	76	378	20.79	1.67	20.72	1.74	-1.15	955.54	-568.50	413.37	-26.34	-729.62
5	76	379	8.20	-4.21	3.75	0.23	-5.95	404.40	23.61	175.45	252.56	-186.45
5	76	383	17.97	-4.23	15.72	-1.97	-6.70	1304.88	-894.69	842.31	-432.12	-896.38
5	76	386	61.57	-6.98	61.55	-6.96	1.20	835.71	-95.83	813.52	-73.64	-142.05
5	76	387	16.65	1.48	15.67	2.46	3.72	1186.64	8.88	1155.14	40.38	-190.04
5	76	389	8.10	-1.63	2.56	3.91	-4.82	736.57	-918.51	286.50	-468.45	-736.44
5	76	393	8.67	-6.42	1.59	0.65	-7.53	532.17	-46.17	513.56	-27.57	-102.05
5	76	395	109.62	4.99	109.43	5.18	4.47	-413.06	-1513.94	-1421.10	-505.90	305.92
5	76	397	4.70	-11.15	-6.20	-0.25	-7.35	554.29	142.83	196.14	500.98	138.17
5	76	398	-0.17	-28.45	-28.13	-0.49	2.95	36.34	-1115.43	-1113.85	34.75	42.73
5	76	399	8.17	-2.49	5.06	0.63	4.85	405.44	97.57	140.45	362.56	-106.60
5	76	414	6.94	-12.09	-3.85	-1.30	-9.43	489.27	393.04	396.52	485.80	-17.96
5	76	415	-0.28	-31.04	-30.98	-0.34	-1.34	966.23	174.64	965.71	175.16	20.57
5	76	417	14.40	-1.76	11.08	1.56	6.53	418.98	-294.67	-102.50	226.81	316.57
5	76	418	1.08	-13.36	-11.73	-0.54	4.56	449.93	127.51	157.67	419.78	93.88
5	76	424	28.73	-34.30	-10.46	4.89	30.57	410.41	109.16	406.99	112.57	-31.89
5	76	425	10.93	-25.21	-16.94	2.66	15.18	747.06	162.26	175.30	734.02	-86.35
5	76	427	1.23	-22.10	-19.15	-1.73	7.76	499.17	-129.38	-18.74	388.53	-239.38
5	76	431	5.08	-17.06	-11.92	-6.00e-02	9.35	543.89	-3.62	-2.32	542.58	26.67
5	76	435	2.06	-3.36	-0.59	-0.72	-2.71	2249.21	13.39	51.93	2210.67	-291.00
5	76	439	2.67	-5.17	-2.04	-0.45	-3.84	452.77	77.23	77.24	452.75	-2.36
5	76	454	7.13	-11.79	-3.43	-1.23	-9.40	976.03	339.16	440.80	874.40	-233.23
5	76	455	5.14	-6.72	-1.46	-0.12	-5.90	490.77	43.54	44.09	490.22	15.68
5	76	456	8.23	-1.85	1.06	5.32	-4.56	2185.57	172.87	271.76	2086.67	-435.05
5	76	457	14.77	-3.60	10.11	1.06	7.99	300.61	147.26	294.64	153.22	-29.65
5	76	461	9.89	-13.97	-5.12	1.05	11.52	467.99	88.44	88.56	467.87	6.72
5	76	462	16.50	-10.05	9.59	-3.14	11.65	1481.64	48.53	1328.40	201.77	-442.87
5	76	465	11.78	-16.07	-6.52	2.23	13.22	459.57	177.57	179.21	457.93	21.47
5	76	466	6.50	-5.28	1.27	-4.86e-02	5.85	991.84	-367.32	645.41	-20.89	592.31
5	76	470	8.36	-12.23	-4.42	0.54	9.99	459.59	50.41	50.44	459.57	3.29
5	76	483	16.28	-1.64	16.27	-1.62	-0.50	638.06	-220.06	-194.54	612.54	145.77
5	76	500	14.56	-3.08	9.41	2.07	8.02	699.12	-309.26	326.63	63.23	486.68
5	76	501	25.48	0.45	25.46	0.47	-0.74	857.54	66.66	846.84	77.36	-91.37

5	76	503	16.14	-0.69	16.06	-0.61	-1.15	450.57	-304.36	-249.21	395.42	-196.45
5	76	538	47.21	-8.24	44.21	-5.24	12.53	839.70	-32.53	791.39	15.78	-199.51
5	76	539	15.47	0.13	15.15	0.45	-2.19	403.19	172.87	371.60	204.46	-79.23
5	76	540	11.68	-6.88	4.12	0.68	9.12	528.21	-17.51	-16.78	527.48	-19.96
5	76	543	13.60	-1.78	13.15	-1.34	-2.58	596.96	-491.26	-483.10	588.81	-93.85
5	76	547	10.70	-17.06	-10.91	4.55	11.53	542.64	10.22	387.11	165.74	242.11
5	76	549	-2.79	-62.93	-59.07	-6.65	-14.74	470.04	-441.05	-132.74	161.74	431.10
5	76	553	14.29	-2.96	12.12	-0.79	5.72	645.44	-271.73	-271.52	645.22	-14.11
5	76	554	17.79	-30.25	-15.54	3.08	22.14	776.29	92.27	640.90	227.65	-272.54
5	76	555	6.87	-8.44	-1.65	8.45e-02	-7.60	376.43	173.29	174.27	375.46	14.03
5	87	2	2.31e-02	-1.30	-1.30	1.70e-02	8.92e-02	533.51	-72.11	244.78	216.62	-302.48
5	87	18	-1.03	-2.23	-1.73	-1.53	-0.59	576.71	-30.66	382.35	163.71	283.33
5	87	19	1.03	-0.33	0.64	6.19e-02	0.62	696.49	-318.80	252.63	125.06	-503.62
5	87	20	1.44	-0.53	1.15	-0.24	0.70	771.83	7.17	732.84	46.16	-168.20
5	87	21	0.33	-0.69	-0.62	0.26	0.26	367.81	99.36	99.36	367.81	0.25
5	87	22	7.06	-1.10	6.41	-0.45	2.20	-1008.32	-1560.92	-1513.54	-1055.71	-154.72
5	87	23	1.46	-0.61	1.23	-0.37	0.66	503.50	-252.27	334.34	-83.11	-315.01
5	87	24	1.31	-0.37	1.28	-0.34	0.22	-1295.94	-2311.86	-2305.91	-1301.90	77.57
5	87	25	1.46	3.03e-02	1.43	6.16e-02	0.21	1148.86	7.43	972.16	184.13	412.88
5	87	26	1.34	6.54e-02	1.34	6.56e-02	-1.65e-02	1285.17	168.38	1197.71	255.84	-300.04
5	87	27	0.46	-0.55	0.45	-0.55	7.70e-02	-1262.61	-2123.51	-2104.94	-1281.18	-125.08
5	87	28	-0.15	-0.70	-0.32	-0.53	-0.26	-221.55	-607.19	-345.38	-483.37	180.06
5	87	29	7.67e-02	-0.91	-0.82	-6.11e-03	0.27	370.37	155.65	178.04	347.98	65.62
5	87	30	1.45e-02	-0.84	-0.40	-0.43	0.43	445.36	-292.87	247.66	-95.17	-326.90
5	87	31	0.90	-0.51	0.88	-0.50	-0.14	-1533.13	-2793.22	-2775.73	-1550.62	147.41
5	87	32	2.21	2.15e-02	2.20	3.13e-02	0.15	1220.07	-266.29	807.15	146.64	665.77
5	87	33	2.58	0.14	2.57	0.14	0.14	1166.71	-35.62	1099.66	31.43	275.90
5	87	34	4.95	-1.92	3.63	-0.60	2.71	929.60	-29.77	926.90	-27.06	50.83
5	87	35	6.95	-3.04	-2.02	5.93	3.02	-313.82	-391.04	-355.16	-349.70	38.51
5	87	36	0.66	-1.83	-1.48	0.30	-0.87	982.41	169.60	974.75	177.26	-78.53
5	87	37	-6.99e-02	-1.34	-1.34	-7.37e-02	6.90e-02	318.07	303.21	317.94	303.34	1.39
5	87	38	14.87	-0.44	-0.16	14.59	-2.04	29.37	-130.69	16.96	-118.27	42.81
5	87	55	3.82	0.62	3.81	0.63	0.15	998.51	-76.68	997.36	-75.52	35.21
5	87	56	0.54	-0.39	0.50	-0.36	-0.17	142.93	-159.41	84.57	-101.04	-119.33
5	87	57	1.09	-0.38	0.74	-1.95e-02	0.63	205.86	-1934.14	-1932.90	204.61	51.61
5	87	58	2.14	6.56e-02	2.14	6.58e-02	2.35e-02	1020.44	-123.57	980.22	-83.35	210.70
5	87	59	1.89	-2.57e-02	1.89	-2.30e-02	-7.11e-02	1308.60	-88.17	1288.33	-67.91	-167.03
5	87	66	9.25e-02	-0.75	-0.11	-0.55	0.36	475.60	94.22	94.22	475.60	0.21
5	87	71	4.89	-1.69	2.68	0.53	3.11	836.39	-152.72	824.66	-140.98	107.09
5	87	88	0.57	-0.39	0.15	2.65e-02	-0.48	208.20	-1507.55	-1507.07	207.71	-28.94
5	87	89	0.30	-0.84	0.21	-0.75	0.30	492.71	-272.34	-140.95	361.33	-288.54
5	87	90	-0.27	-0.64	-0.55	-0.37	-0.16	-88.26	-660.02	-656.87	-91.41	-42.34
5	87	91	0.41	0.21	0.41	0.21	-1.52e-02	1029.56	-48.11	1028.94	-47.50	25.69
5	87	92	2.02	-3.62	-0.16	-1.44	2.75	-766.80	-1568.70	-860.99	-1474.50	258.19
5	87	93	-1.51	-2.25	-1.52	-2.25	-5.35e-02	487.46	264.80	264.87	487.39	3.95
5	87	97	7.19	-1.22	-0.30	6.27	-2.62	147.69	-1284.19	136.83	-1273.32	124.26
5	87	100	10.65	0.85	10.47	1.03	1.31	932.32	-128.03	877.33	-73.05	235.11
5	87	101	-0.34	-9.60	-0.34	-9.60	3.70e-02	1104.44	-30.30	-30.29	1104.43	3.29
5	87	103	15.37	-0.45	-0.17	15.09	2.08	35.55	-105.23	10.39	-80.07	-53.93
5	87	111	-0.29	-0.87	-0.80	-0.35	-0.18	43.25	-193.63	-35.34	-115.05	-111.53
5	87	113	1.39	-0.99	0.42	-1.63e-02	1.17	251.29	-2328.26	-2324.58	247.61	97.35
5	87	129	62.16	7.61	62.14	7.63	0.93	-378.19	-1036.26	-1006.38	-408.07	-137.01
5	87	131	3.36	1.35e-03	3.36	4.63e-03	-0.10	926.10	-188.06	823.08	-85.03	322.76
5	87	132	3.28	-0.15	3.27	-0.14	-0.16	1140.39	-34.62	1126.40	-20.63	127.47
5	87	133	-6.64e-03	-1.75	-1.48	-0.28	0.63	965.21	-38.43	965.18	-38.40	-5.11
5	87	134	10.74	0.85	10.69	0.90	-0.69	91.24	-249.64	-249.05	90.65	-14.14
5	87	135	2.48	5.91e-02	2.46	7.57e-02	0.20	142.60	-1277.25	-1274.34	139.69	64.22
5	87	136	2.80	0.30	2.45	0.64	0.86	960.62	166.28	954.78	172.12	67.89
5	87	144	26.62	-0.79	26.62	-0.79	-0.15	859.43	-47.55	854.58	-42.69	66.19
5	87	152	0.68	-1.70e-03	0.56	0.12	0.26	532.92	-71.17	247.47	214.28	301.59
5	87	155	5.76	-5.68	-4.50	4.57	3.49	498.12	245.45	263.79	479.77	-65.57
5	87	169	0.95	-3.69	-0.99	-1.75	2.29	-87.06	-140.12	-102.56	-124.62	24.13
5	87	170	0.20	-0.61	-0.43	1.73e-02	0.34	350.80	112.37	112.37	350.80	9.05e-02
5	87	171	8.79	-12.50	-10.01	6.30	-6.84	526.13	267.69	441.02	352.80	121.46
5	87	172	2.93	-1.32	0.61	1.00	2.12	353.94	193.62	334.10	213.47	52.80
5	87	174	12.12	-22.45	-19.14	8.81	10.17	-154.05	-734.13	-719.82	-168.37	-90.00
5	87	175	5.25e-02	-1.22	-1.16	-7.03e-03	0.27	571.53	60.23	475.65	156.10	199.57
5	87	182	-0.19	-0.80	-0.56	-0.43	0.30	536.13	38.04	40.04	534.13	31.47
5	87	186	-0.13	-0.86	-0.46	-0.53	0.36	506.21	67.07	67.09	506.19	-2.66
5	87	189	5.98e-02	-0.61	-0.18	-0.37	0.32	493.87	61.19	61.19	493.87	0.38
5	87	193	9.34	-15.09	-13.21	7.47	6.51	434.88	148.61	359.60	223.89	-126.03
5	87	207	0.63	-0.70	0.47	-0.54	0.43	752.41	-175.05	-159.66	737.01	-118.50
5	87	208	0.70	-2.90e-02	0.60	7.29e-02	0.25	571.70	58.27	474.12	155.84	-201.44
5	87	209	0.37	-0.73	0.36	-0.73	8.35e-02	536.30	-229.72	-184.60	491.19	180.34
5	87	210	-4.50e-03	-0.56	-4.58e-02	-0.52	0.15	381.58	265.95	370.50	277.03	34.04
5	87	211	-0.20	-2.29	-2.28	-0.21	-8.95e-02	-1291.96	-2302.41	-2296.19	-1298.17	-79.00
5	87	212	-1.91	-20.95	-20.38	-2.49	3.25	-93.76	-717.15	-712.39	-98.52	-54.23
5	87	230	-3.12e-02	-7.92	-3.14e-02	-7.91	-3.60e-02	1033.33	116.59	116.63	1033.29	6.34
5	87	232	12.19	-4.76	10.30	-2.87	-5.33	945.93	-17.24	883.27	45.43	237.55
5	87	234	0.75	-0.58	0.62	-0.45	-0.40	809.39	-406.94	-392.28	794.73	132.73

5	87	249	0.97	-0.11	0.87	-2.44e-03	-0.32	699.25	-307.31	259.84	132.10	499.21
5	87	250	1.42	-0.50	1.28	-0.35	-0.51	772.03	23.80	737.11	58.72	157.82
5	87	251	4.80	-1.67	2.72	0.42	-3.03	832.71	-137.44	814.32	-119.05	-132.29
5	87	252	2.13	-3.26	-8.76e-02	-1.04	-2.65	-709.77	-1477.74	-826.23	-1361.28	-275.46
5	87	262	1.55	-7.58	1.21	-7.25	-1.72	931.19	-143.96	99.83	687.40	450.20
5	87	265	5.69	-4.80	-0.87	1.76	-5.08	616.30	-2.60	14.20	599.50	100.57
5	87	269	8.48	-11.07	-9.02	6.43	5.99	533.98	236.17	423.75	346.40	-143.79
5	87	272	1.26	-2.11	-1.88	1.03	-0.85	493.37	78.48	80.34	491.51	27.70
5	87	273	2.90	-3.51	-2.87	2.25	-1.93	465.26	180.07	180.70	464.63	13.40
5	87	287	5.90	-6.98	-5.57	4.50	-4.01	501.54	262.85	276.70	487.69	55.80
5	87	288	7.81	-1.09	-0.26	6.98	2.59	140.80	-1181.52	127.89	-1168.62	-129.99
5	87	289	5.93e-02	-0.71	-0.24	-0.41	0.37	453.85	67.72	67.72	453.85	0.21
5	87	290	1.54	-1.20	-0.77	1.11	0.99	490.51	75.36	77.39	488.48	-28.95
5	87	291	3.02	-2.41	-1.75	2.36	1.77	459.69	175.32	176.32	458.68	-16.89
5	87	292	0.44	-1.15	-1.15	0.44	-1.01e-02	1010.16	-77.78	1008.47	-76.09	-42.96
5	87	293	-0.84	-4.03	-4.03	-0.84	-0.12	159.39	-154.78	106.28	-101.68	117.74
5	87	294	0.28	-2.94	-2.83	0.16	-0.60	206.08	-1934.58	-1933.58	205.07	-46.28
5	87	295	-0.20	-1.92	-1.92	-0.21	4.57e-02	1019.67	-124.67	978.33	-83.34	-213.54
5	87	296	-1.39e-02	-1.22	-1.22	-1.77e-02	-6.81e-02	1307.45	-88.16	1287.82	-68.53	164.34
5	87	297	0.26	-1.78	-1.66	0.15	0.47	208.54	-1499.28	-1498.55	207.81	35.32
5	87	298	-0.69	-2.81	-2.75	-0.74	0.35	-88.90	-677.04	-674.02	-91.92	42.02
5	87	299	0.34	-0.93	-0.93	0.34	-9.68e-02	1027.59	-48.05	1026.88	-47.34	-27.75
5	87	300	-0.35	-1.56	-1.55	-0.36	0.12	48.90	-186.20	-23.23	-114.07	108.42
5	87	301	1.07	-1.17	-0.13	2.33e-02	-1.12	249.33	-2328.55	-2325.37	246.15	-90.55
5	87	302	3.21	-2.81e-02	3.21	-2.63e-02	7.68e-02	912.32	-191.21	805.46	-84.34	-326.36
5	87	303	3.61	-9.40e-02	3.61	-9.03e-02	0.12	1124.11	-36.09	1108.25	-20.24	-134.70
5	87	304	0.19	-1.25	-0.83	-0.23	-0.65	949.42	-36.21	949.33	-36.12	-9.52
5	87	305	10.65	0.88	10.60	0.93	0.67	85.94	-205.75	-205.42	85.60	9.89
5	87	306	0.97	-0.24	0.67	6.78e-02	0.53	747.95	-214.59	-208.80	742.15	74.47
5	87	307	-5.81e-02	-0.90	-0.38	-0.58	0.41	496.01	125.83	126.13	495.71	10.62
5	87	308	0.90	-3.65	-1.04	-1.71	-2.25	-84.23	-140.05	-101.44	-122.84	-25.78
5	87	311	0.11	-0.83	-0.29	-0.44	0.46	531.75	40.31	42.28	529.79	31.04
5	87	325	0.17	-14.51	0.13	-14.47	0.81	692.29	-142.36	-86.15	636.08	209.18
5	87	326	0.31	-0.64	9.27e-02	-0.43	0.40	536.42	37.67	39.61	534.48	-31.03
5	87	327	0.39	-0.33	3.19e-02	3.49e-02	0.36	370.54	155.36	177.88	348.02	-65.87
5	87	328	0.25	-0.66	0.12	-0.53	0.32	506.57	67.57	67.60	506.54	3.25
5	87	329	0.17	-0.69	7.85e-02	-0.59	0.27	496.76	125.93	126.23	496.46	-10.63
5	87	330	-4.45	-24.88	-24.85	-4.48	-0.80	-98.24	-751.59	-751.58	-98.25	-2.56
5	87	331	0.74	-15.24	-13.48	-1.02	5.00	90.04	-317.25	-277.19	49.97	-121.29
5	87	332	4.00	-1.57	2.74	-0.31	-2.33	-1014.51	-1544.73	-1499.12	-1060.12	148.66
5	87	336	-0.34	-0.76	-0.41	-0.69	0.16	489.48	-269.67	-137.05	356.85	288.26
5	87	337	7.25	-17.65	-17.63	7.23	-0.68	336.00	237.21	333.47	239.74	-15.61
5	87	338	7.30	-13.29	-13.28	7.29	-0.48	436.93	339.03	435.55	340.41	-11.53
5	87	339	5.63	-7.24	-7.23	5.62	-0.28	436.69	314.01	314.23	436.47	-5.18
5	87	340	-0.50	-2.62	-2.46	-0.67	-0.57	513.91	-243.38	348.18	-77.65	313.12
5	87	343	12.06	-23.59	-19.28	7.75	-11.62	-174.05	-847.73	-836.82	-184.96	85.03
5	87	344	-0.21	-1.73	-1.73	-0.21	-7.04e-02	1151.41	6.79	972.67	185.53	-415.51
5	87	345	-1.30	-22.40	-21.09	-2.60	-5.08	-105.58	-780.64	-777.04	-109.18	49.15
5	87	347	8.36e-03	-1.45	-1.43	-1.17e-02	0.17	1282.96	169.31	1196.79	255.49	297.55
5	87	348	-0.47	-1.53	-1.52	-0.47	4.68e-02	-1264.68	-2132.08	-2113.81	-1282.95	124.56
5	87	349	-0.63	-2.08	-1.99	-0.72	0.36	-232.88	-612.10	-356.88	-488.10	-177.89
5	87	350	0.38	-0.78	-0.22	-0.18	0.58	574.94	-25.41	-21.51	571.03	-48.26
5	87	365	8.18e-02	-0.52	4.50e-02	-0.48	0.14	533.38	39.88	41.78	531.48	-30.54
5	87	366	2.70	0.22	2.69	0.22	-7.64e-02	1158.31	-48.53	1083.64	26.15	-290.77
5	87	367	4.92e-02	-0.25	2.33e-02	-0.22	-8.40e-02	577.00	-24.85	-20.85	573.01	48.86
5	87	368	16.08	-11.68	0.44	3.96	-13.77	552.54	37.38	481.16	108.76	177.98
5	87	373	-0.31	-1.27	-1.19	-0.39	-0.26	444.42	-290.84	249.42	-95.84	324.58
5	87	376	0.43	-0.52	0.37	-0.45	0.25	-1533.00	-2789.92	-2771.88	-1551.05	-149.53
5	87	378	2.04	4.15e-02	2.04	4.21e-02	-3.26e-02	1217.47	-276.93	797.83	142.70	-671.57
5	87	379	0.57	-0.83	-0.38	0.12	0.65	458.37	84.90	182.66	360.61	-164.17
5	87	383	5.23	-1.86	3.93	-0.55	-2.75	911.17	-43.21	904.08	-36.11	-81.98
5	87	386	30.85	-0.91	30.85	-0.91	0.24	841.37	-49.16	833.63	-41.41	-82.67
5	87	387	14.93	1.45	14.71	1.66	-1.68	876.36	-131.09	813.37	-68.10	-243.90
5	87	389	7.15	-3.02	-1.88	6.01	-3.21	-228.52	-365.55	-295.74	-298.33	-68.50
5	87	393	0.39	-1.13	-0.54	-0.19	0.74	439.41	209.19	433.91	214.69	-35.17
5	87	395	66.60	8.26	66.56	8.30	-1.55	-322.45	-805.04	-791.78	-335.70	78.86
5	87	397	0.25	-0.40	-0.21	6.28e-02	-0.30	461.31	87.50	183.98	364.83	163.58
5	87	398	6.22	-5.29e-02	6.22	-5.22e-02	-6.39e-02	139.58	-1285.34	-1283.20	137.43	-55.23
5	87	399	0.18	-1.03	-1.02	0.16	0.14	414.95	113.30	148.37	379.88	-96.69
5	87	414	0.25	-0.92	-0.41	-0.26	-0.58	438.73	219.27	433.60	224.41	33.18
5	87	415	1.82e-02	-0.32	-0.31	4.98e-03	6.53e-02	931.68	130.12	930.10	131.70	35.53
5	87	417	0.68	-2.20	-1.60	7.19e-02	-1.17	465.60	-212.03	-62.51	316.08	281.00
5	87	418	0.46	-0.27	-3.37e-02	0.22	0.34	414.14	113.48	148.85	378.77	96.87
5	87	424	16.20	-9.71	2.32	4.18	12.92	565.54	11.32	467.29	109.57	-211.66
5	87	425	6.35	-3.06	1.48	1.81	4.70	604.83	-26.59	-7.89	586.13	-107.04
5	87	427	1.85	-0.97	0.68	0.20	1.39	462.29	-223.20	-72.17	311.26	-284.11
5	87	431	0.89	-0.59	-0.30	0.60	0.59	531.32	-8.20	-7.22	530.33	23.04
5	87	435	0.16	-13.88	0.12	-13.85	-0.70	725.89	-134.87	-83.46	674.48	-203.98
5	87	439	8.49e-02	-0.72	-0.16	-0.48	0.37	457.04	76.44	76.44	457.04	0.26
5	87	454	-1.08	-2.00	-1.53	-1.55	0.46	580.28	-10.34	379.22	190.72	-279.86

5	87	455	7.87e-02	-0.48	-0.28	-0.12	0.27	486.50	47.51	47.51	486.50	0.46
5	87	456	1.50	-7.16	1.20	-6.86	1.58	946.53	-126.97	101.00	718.56	-439.04
5	87	457	2.09	-3.04	-1.71	0.76	-2.25	364.30	196.09	337.99	222.40	-61.10
5	87	461	1.47	-1.74	-1.74	1.47	5.89e-02	458.52	84.47	84.47	458.52	-0.22
5	87	462	15.07	-1.71	13.93	-0.56	4.23	1102.44	-187.90	846.50	68.03	-514.53
5	87	465	2.93	-3.27	-3.27	2.93	-8.73e-02	451.09	163.20	163.20	451.08	-1.26
5	87	466	12.17	-2.39	10.74	-0.96	-4.34	1136.09	-163.17	898.60	74.32	502.16
5	87	470	0.84	-1.11	-1.10	0.83	0.16	453.74	51.15	51.15	453.74	0.15
5	87	483	-0.53	-0.86	-0.84	-0.55	7.96e-02	752.39	-172.41	-156.76	736.74	119.29
5	87	500	10.65	-7.67	-0.18	3.16	-9.01	699.21	-104.15	445.43	149.63	373.46
5	87	501	4.03e-02	-1.69	-1.68	2.99e-02	0.13	929.85	129.09	927.97	130.98	-38.82
5	87	503	-0.34	-1.17	-0.81	-0.70	0.41	535.93	-231.84	-187.53	491.61	-179.05
5	87	538	14.41	-4.16	13.02	-2.77	4.89	919.25	-34.99	844.08	40.19	-257.06
5	87	539	-0.29	-1.16	-0.93	-0.52	0.38	381.80	263.40	369.53	275.66	-36.08
5	87	540	0.59	-1.42	-1.38	0.55	-0.29	533.11	-7.00	-6.01	532.12	-23.08
5	87	543	0.71	-0.91	0.18	-0.39	0.76	806.08	-410.03	-395.46	791.51	-132.32
5	87	547	9.75	-16.54	-14.05	7.26	-7.70	415.45	179.88	367.04	228.29	95.19
5	87	549	0.70	-13.76	-12.09	-0.96	-4.61	100.98	-368.05	-327.85	60.78	131.30
5	87	553	6.11e-02	-1.51	-1.45	4.04e-03	-0.29	750.09	-212.15	-206.34	744.28	-74.53
5	87	554	11.06	-5.99	1.73	3.35	8.49	689.65	-139.64	407.50	142.51	-392.91
5	87	555	0.21	-0.77	-0.74	0.17	0.18	367.39	167.47	167.47	367.39	0.53
5	88	2	2.52e-02	-1.28	-1.28	1.89e-02	9.07e-02	533.26	-72.04	244.72	216.50	-302.32
5	88	18	-1.02	-2.23	-1.72	-1.53	-0.60	576.35	-31.02	381.96	163.37	283.34
5	88	19	1.04	-0.33	0.65	6.44e-02	0.62	696.51	-318.76	252.84	124.91	-503.59
5	88	20	1.45	-0.53	1.16	-0.24	0.70	771.64	6.94	732.64	45.94	-168.24
5	88	21	0.34	-0.65	-0.58	0.26	0.26	367.61	98.91	98.91	367.60	0.26
5	88	22	7.27	-1.10	6.62	-0.45	2.24	-1009.25	-1555.88	-1507.18	-1057.95	-155.72
5	88	23	1.55	-0.60	1.32	-0.37	0.67	503.73	-251.65	335.35	-83.26	-314.39
5	88	24	1.39	-0.37	1.36	-0.34	0.22	-1295.43	-2310.96	-2304.96	-1301.43	77.83
5	88	25	1.53	3.59e-02	1.50	6.64e-02	0.21	1148.38	7.51	971.82	184.06	412.62
5	88	26	1.40	6.63e-02	1.40	6.64e-02	-1.48e-02	1285.03	168.27	1197.41	255.90	-300.30
5	88	27	0.51	-0.55	0.51	-0.55	7.78e-02	-1262.45	-2122.73	-2104.14	-1281.04	-125.10
5	88	28	-0.11	-0.68	-0.27	-0.52	-0.25	-220.36	-606.80	-344.25	-482.91	180.35
5	88	29	8.24e-02	-0.88	-0.79	-6.88e-03	0.28	370.31	155.24	177.65	347.90	65.70
5	88	30	3.26e-02	-0.83	-0.37	-0.43	0.43	445.09	-293.02	247.39	-95.33	-326.86
5	88	31	0.92	-0.52	0.91	-0.50	-0.14	-1533.17	-2793.51	-2776.03	-1550.65	147.41
5	88	32	2.22	2.24e-02	2.21	3.25e-02	0.15	1219.94	-266.10	807.17	146.68	665.60
5	88	33	2.59	0.13	2.58	0.14	0.15	1166.52	-35.45	1099.60	31.47	275.62
5	88	34	4.95	-1.92	3.63	-0.60	2.70	929.19	-29.71	926.53	-27.04	50.48
5	88	35	6.94	-3.04	-2.03	5.93	3.01	-315.46	-391.39	-356.55	-350.30	37.84
5	88	36	0.67	-1.82	-1.45	0.30	-0.88	987.02	169.91	979.25	177.68	-79.32
5	88	37	-6.91e-02	-1.33	-1.32	-7.30e-02	7.05e-02	317.95	303.16	317.81	303.30	1.42
5	88	38	14.86	-0.44	-0.16	14.58	-2.04	29.28	-130.82	17.02	-118.57	42.57
5	88	55	3.94	0.63	3.93	0.64	0.15	1001.53	-76.75	1000.36	-75.58	35.51
5	88	56	0.61	-0.38	0.58	-0.35	-0.17	142.56	-159.38	84.22	-101.03	-119.21
5	88	57	1.16	-0.37	0.82	-2.35e-02	0.64	205.79	-1932.54	-1931.25	204.51	52.45
5	88	58	2.22	7.04e-02	2.22	7.06e-02	2.20e-02	1020.36	-123.47	980.24	-83.35	210.42
5	88	59	1.96	-2.60e-02	1.95	-2.31e-02	-7.56e-02	1308.34	-88.18	1288.00	-67.84	-167.31
5	88	66	0.12	-0.75	-8.31e-02	-0.55	0.37	475.60	94.25	94.25	475.60	0.21
5	88	71	4.89	-1.68	2.68	0.53	3.11	835.94	-153.09	824.25	-141.40	106.89
5	88	88	0.59	-0.37	0.20	2.41e-02	-0.48	208.16	-1508.61	-1508.15	207.69	-28.19
5	88	89	0.33	-0.84	0.24	-0.75	0.31	492.72	-272.61	-141.35	361.45	-288.50
5	88	90	-0.25	-0.60	-0.49	-0.36	-0.16	-88.18	-658.28	-655.12	-91.34	-42.36
5	88	91	0.45	0.21	0.45	0.21	-1.94e-02	1029.67	-48.11	1029.06	-47.50	25.54
5	88	92	2.01	-3.62	-0.16	-1.44	2.74	-768.17	-1569.24	-861.81	-1475.60	257.38
5	88	93	-1.51	-2.25	-1.51	-2.24	-5.49e-02	487.40	264.50	264.58	487.33	4.04
5	88	97	7.18	-1.22	-0.30	6.26	-2.62	147.68	-1284.92	136.89	-1274.13	123.89
5	88	100	10.94	0.88	10.75	1.06	1.35	950.16	-127.94	896.15	-73.93	235.19
5	88	101	-0.34	-9.59	-0.34	-9.59	3.79e-02	1104.07	-30.28	-30.27	1104.06	3.37
5	88	103	15.37	-0.44	-0.17	15.09	2.09	35.61	-104.75	10.30	-79.44	-53.96
5	88	111	-0.28	-0.85	-0.78	-0.35	-0.19	42.46	-194.22	-36.68	-115.09	-111.66
5	88	113	1.41	-0.99	0.44	-1.76e-02	1.18	251.38	-2327.95	-2324.22	247.64	98.07
5	88	129	63.81	7.82	63.80	7.83	0.96	-390.07	-1085.03	-1052.72	-422.39	-146.33
5	88	131	3.38	3.02e-03	3.38	6.39e-03	-0.11	926.60	-187.89	823.76	-85.05	322.56
5	88	132	3.28	-0.15	3.27	-0.14	-0.16	1140.47	-34.57	1126.51	-20.62	127.30
5	88	133	-9.44e-03	-1.76	-1.49	-0.28	0.63	964.60	-38.44	964.58	-38.41	-5.31
5	88	134	10.75	0.85	10.70	0.90	-0.70	91.29	-250.90	-250.31	90.71	-14.16
5	88	135	2.60	5.73e-02	2.58	7.69e-02	0.22	143.16	-1270.84	-1267.76	140.08	65.93
5	88	136	2.90	0.32	2.57	0.66	0.87	964.74	166.52	958.83	172.43	68.44
5	88	144	27.31	-0.81	27.31	-0.81	-0.16	868.53	-47.72	863.93	-43.11	64.80
5	88	152	0.74	7.36e-03	0.62	0.12	0.27	532.66	-71.08	247.48	214.11	301.41
5	88	155	5.90	-5.70	-4.48	4.68	3.56	502.00	255.78	274.70	483.09	-65.57
5	88	169	0.95	-3.69	-0.99	-1.75	2.29	-87.05	-140.04	-102.46	-124.63	24.06
5	88	170	0.21	-0.59	-0.39	1.72e-02	0.34	350.70	112.01	112.01	350.70	9.26e-02
5	88	171	9.03	-12.65	-10.10	6.49	-6.98	538.27	276.09	457.17	357.19	121.19
5	88	172	3.02	-1.29	0.70	1.03	2.15	357.10	193.99	336.92	214.17	53.70
5	88	174	12.47	-23.00	-19.56	9.03	10.49	-160.90	-769.72	-755.74	-174.89	-91.20
5	88	175	5.37e-02	-1.21	-1.15	-8.59e-03	0.27	571.26	59.93	475.14	156.05	199.78
5	88	182	-0.17	-0.79	-0.54	-0.43	0.30	536.13	37.93	39.93	534.14	31.46
5	88	186	-0.11	-0.86	-0.44	-0.53	0.37	506.20	67.09	67.10	506.18	-2.69

5	88	189	8.13e-02	-0.61	-0.16	-0.37	0.33	493.87	61.22	61.22	493.87	0.39
5	88	193	9.61	-15.29	-13.37	7.69	6.64	443.65	153.73	370.18	227.20	-126.10
5	88	207	0.67	-0.70	0.51	-0.54	0.44	752.37	-175.46	-160.09	737.00	-118.41
5	88	208	0.76	-2.67e-02	0.66	7.31e-02	0.26	571.44	57.92	473.57	155.79	-201.69
5	88	209	0.41	-0.73	0.40	-0.73	9.08e-02	536.29	-229.57	-184.36	491.07	180.52
5	88	210	3.34e-02	-0.57	-1.01e-02	-0.52	0.16	381.60	266.06	370.62	277.04	33.88
5	88	211	-0.20	-2.29	-2.28	-0.21	-8.69e-02	-1291.35	-2301.29	-2295.02	-1297.62	-79.30
5	88	212	-1.72	-21.31	-20.71	-2.32	3.38	-99.20	-750.72	-746.10	-103.82	-54.66
5	88	230	-2.79e-02	-7.91	-2.81e-02	-7.91	-3.69e-02	1033.02	116.43	116.47	1032.98	6.50
5	88	232	12.53	-4.87	10.60	-2.94	-5.46	958.99	-16.15	896.77	46.07	238.34
5	88	234	0.77	-0.58	0.64	-0.45	-0.39	809.44	-406.78	-392.09	794.75	132.86
5	88	249	0.98	-9.94e-02	0.89	-1.50e-03	-0.31	699.33	-307.00	260.22	132.11	499.07
5	88	250	1.43	-0.50	1.29	-0.35	-0.51	771.85	23.98	737.02	58.81	157.60
5	88	251	4.80	-1.67	2.72	0.42	-3.02	832.18	-137.45	813.67	-118.93	-132.70
5	88	252	2.12	-3.25	-8.71e-02	-1.04	-2.64	-709.78	-1476.08	-826.21	-1359.65	-275.08
5	88	262	1.55	-7.58	1.22	-7.25	-1.72	930.48	-144.14	99.56	686.77	450.00
5	88	265	5.85	-4.84	-0.80	1.81	-5.18	619.57	7.67	24.71	602.53	100.68
5	88	269	8.71	-11.19	-9.10	6.62	6.11	545.80	244.37	439.52	350.64	-144.01
5	88	272	1.29	-2.09	-1.85	1.05	-0.86	493.73	79.18	80.99	491.93	27.28
5	88	273	2.97	-3.50	-2.84	2.30	-1.96	466.78	183.52	184.11	466.19	12.94
5	88	287	6.05	-7.02	-5.59	4.61	-4.09	505.39	273.68	287.88	491.18	55.59
5	88	288	7.82	-1.09	-0.26	6.99	2.59	140.62	-1179.78	127.74	-1166.90	-129.77
5	88	289	8.89e-02	-0.70	-0.20	-0.41	0.38	453.86	67.64	67.64	453.86	0.21
5	88	290	1.58	-1.15	-0.71	1.14	1.01	490.80	76.00	77.97	488.83	-28.55
5	88	291	3.09	-2.37	-1.69	2.41	1.80	461.08	178.67	179.63	460.12	-16.51
5	88	292	0.44	-1.15	-1.15	0.44	-1.20e-02	1013.44	-77.89	1011.71	-76.15	-43.43
5	88	293	-0.84	-4.06	-4.06	-0.85	-0.12	159.39	-154.65	106.42	-101.68	117.59
5	88	294	0.28	-2.95	-2.83	0.16	-0.60	206.01	-1932.98	-1931.94	204.98	-46.99
5	88	295	-0.21	-1.93	-1.93	-0.21	4.88e-02	1019.57	-124.59	978.31	-83.33	-213.32
5	88	296	-1.39e-02	-1.23	-1.23	-1.76e-02	-6.67e-02	1307.15	-88.16	1287.47	-68.48	164.55
5	88	297	0.26	-1.77	-1.66	0.15	0.46	208.49	-1500.13	-1499.42	207.79	34.72
5	88	298	-0.68	-2.80	-2.74	-0.74	0.35	-88.84	-675.69	-672.67	-91.87	42.03
5	88	299	0.34	-0.92	-0.92	0.33	-9.52e-02	1027.65	-48.05	1026.94	-47.34	-27.66
5	88	300	-0.35	-1.55	-1.54	-0.36	0.12	48.20	-186.58	-24.30	-114.08	108.47
5	88	301	1.08	-1.17	-0.12	2.29e-02	-1.12	249.36	-2328.24	-2325.01	246.14	-91.11
5	88	302	3.23	-2.70e-02	3.22	-2.52e-02	7.81e-02	912.49	-191.11	805.72	-84.34	-326.24
5	88	303	3.62	-9.39e-02	3.62	-9.02e-02	0.12	1123.78	-36.07	1107.92	-20.21	-134.71
5	88	304	0.19	-1.24	-0.82	-0.23	-0.65	948.43	-36.17	948.34	-36.07	-9.67
5	88	305	10.65	0.88	10.61	0.93	0.67	85.87	-205.96	-205.63	85.54	9.81
5	88	306	1.04	-0.22	0.74	7.57e-02	0.54	747.80	-214.39	-208.53	741.94	74.89
5	88	307	-3.90e-02	-0.90	-0.36	-0.58	0.41	496.00	125.87	126.17	495.69	10.64
5	88	308	0.90	-3.65	-1.04	-1.71	-2.25	-84.16	-139.96	-101.31	-122.81	-25.75
5	88	311	0.12	-0.83	-0.27	-0.44	0.47	531.74	40.30	42.27	529.77	31.03
5	88	325	0.17	-14.51	0.13	-14.47	0.81	691.48	-142.33	-86.13	635.28	209.05
5	88	326	0.34	-0.64	0.13	-0.43	0.40	536.43	37.55	39.49	534.49	-31.01
5	88	327	0.43	-0.31	8.11e-02	3.51e-02	0.37	370.48	154.95	177.50	347.94	-65.96
5	88	328	0.29	-0.66	0.15	-0.53	0.33	506.57	67.60	67.62	506.54	3.29
5	88	329	0.20	-0.69	0.11	-0.59	0.28	496.77	125.97	126.28	496.46	-10.65
5	88	330	-4.29	-25.29	-25.26	-4.33	-0.82	-103.41	-785.02	-785.01	-103.42	-2.62
5	88	331	0.75	-15.67	-13.86	-1.05	5.14	92.05	-328.34	-287.93	51.64	-123.93
5	88	332	4.13	-1.57	2.86	-0.31	-2.37	-1015.57	-1539.33	-1492.45	-1062.46	149.52
5	88	336	-0.32	-0.76	-0.39	-0.69	0.16	489.41	-269.89	-137.35	356.87	288.21
5	88	337	7.48	-17.88	-17.86	7.46	-0.70	346.62	240.98	344.15	243.45	-15.95
5	88	338	7.51	-13.44	-13.43	7.50	-0.49	452.67	343.64	451.38	344.93	-11.79
5	88	339	5.76	-7.28	-7.27	5.76	-0.29	440.19	325.20	325.44	439.95	-5.29
5	88	340	-0.51	-2.62	-2.45	-0.67	-0.57	514.39	-242.57	349.50	-77.68	312.45
5	88	343	12.42	-24.15	-19.68	7.95	-11.98	-181.13	-885.90	-875.21	-191.82	86.14
5	88	344	-0.21	-1.73	-1.73	-0.21	-6.95e-02	1150.98	6.85	972.34	185.49	-415.30
5	88	345	-1.08	-22.79	-21.44	-2.44	-5.25	-111.22	-815.58	-812.10	-114.71	49.43
5	88	347	8.01e-03	-1.45	-1.43	-1.26e-02	0.17	1282.76	169.23	1196.46	255.53	297.75
5	88	348	-0.46	-1.52	-1.52	-0.47	4.90e-02	-1264.57	-2131.50	-2113.22	-1282.86	124.57
5	88	349	-0.62	-2.07	-1.97	-0.72	0.36	-231.96	-611.81	-356.01	-487.76	-178.14
5	88	350	0.39	-0.78	-0.21	-0.18	0.58	574.89	-25.38	-21.47	570.98	-48.29
5	88	365	0.11	-0.52	7.10e-02	-0.48	0.15	533.40	39.86	41.76	531.51	-30.51
5	88	366	2.71	0.22	2.71	0.22	-7.60e-02	1157.92	-48.67	1083.18	26.07	-290.85
5	88	367	6.50e-02	-0.24	4.43e-02	-0.22	-7.73e-02	577.00	-24.80	-20.80	573.00	48.90
5	88	368	16.53	-11.86	0.56	4.11	-14.08	561.31	40.93	492.22	110.02	176.58
5	88	373	-0.31	-1.26	-1.19	-0.39	-0.26	444.12	-290.95	249.19	-96.01	324.48
5	88	376	0.45	-0.52	0.38	-0.45	0.25	-1533.04	-2790.14	-2772.09	-1551.10	-149.58
5	88	378	2.06	4.31e-02	2.06	4.36e-02	-3.28e-02	1217.27	-277.00	797.62	142.65	-671.54
5	88	379	0.58	-0.82	-0.37	0.12	0.66	458.28	84.89	182.69	360.48	-164.17
5	88	383	5.24	-1.85	3.93	-0.55	-2.75	910.32	-43.48	903.15	-36.31	-82.39
5	88	386	31.65	-0.94	31.65	-0.94	0.24	849.99	-49.28	842.52	-41.80	-81.65
5	88	387	15.32	1.49	15.10	1.71	-1.73	892.77	-130.87	830.77	-68.87	-244.18
5	88	389	7.14	-3.02	-1.88	6.00	-3.21	-228.14	-365.25	-295.70	-297.69	-68.55
5	88	393	0.40	-1.12	-0.54	-0.18	0.74	439.28	209.02	433.78	214.51	-35.14
5	88	395	68.40	8.48	68.36	8.52	-1.60	-333.30	-848.42	-833.32	-348.41	86.92
5	88	397	0.25	-0.39	-0.20	6.32e-02	-0.29	461.29	87.55	184.04	364.80	163.56
5	88	398	6.43	-5.52e-02	6.43	-5.41e-02	-8.33e-02	140.04	-1279.07	-1276.80	137.77	-56.74
5	88	399	0.18	-1.00	-0.98	0.16	0.14	414.69	112.97	148.00	379.66	-96.65

5	88	414	0.25	-0.91	-0.40	-0.26	-0.57	438.58	219.35	433.46	224.47	33.11
5	88	415	2.15e-02	-0.28	-0.26	4.56e-03	6.93e-02	931.80	130.15	930.24	131.71	35.32
5	88	417	0.70	-2.19	-1.57	8.01e-02	-1.18	465.39	-210.74	-61.77	316.43	280.23
5	88	418	0.49	-0.24	2.32e-02	0.23	0.35	413.86	113.16	148.49	378.52	96.83
5	88	424	16.66	-9.84	2.49	4.34	13.22	574.15	14.73	478.04	110.84	-211.02
5	88	425	6.54	-3.07	1.60	1.87	4.80	607.86	-16.87	2.14	588.85	-107.29
5	88	427	1.93	-0.95	0.77	0.21	1.41	462.01	-222.16	-71.65	311.51	-283.40
5	88	431	0.92	-0.54	-0.24	0.61	0.60	531.26	-8.37	-7.36	530.25	23.27
5	88	435	0.16	-13.87	0.12	-13.83	-0.70	725.90	-134.68	-83.39	674.62	-203.73
5	88	439	0.11	-0.72	-0.13	-0.48	0.38	457.05	76.43	76.43	457.05	0.27
5	88	454	-1.07	-2.00	-1.52	-1.55	0.46	580.01	-10.22	378.76	191.04	-279.79
5	88	455	9.13e-02	-0.48	-0.27	-0.12	0.27	486.47	47.55	47.55	486.47	0.47
5	88	456	1.50	-7.15	1.20	-6.85	1.58	946.20	-126.75	100.76	718.69	-438.57
5	88	457	2.14	-3.03	-1.67	0.78	-2.28	367.68	196.51	340.90	223.29	-62.18
5	88	461	1.50	-1.70	-1.70	1.50	6.09e-02	458.97	85.03	85.03	458.97	-0.22
5	88	462	15.49	-1.73	14.33	-0.57	4.32	1117.27	-185.47	863.44	68.36	-515.99
5	88	465	2.99	-3.25	-3.25	2.99	-8.88e-02	452.62	166.67	166.68	452.62	-1.29
5	88	466	12.51	-2.43	11.06	-0.98	-4.43	1151.91	-160.42	916.69	74.79	503.34
5	88	470	0.86	-1.07	-1.05	0.84	0.16	453.72	50.85	50.85	453.72	0.15
5	88	483	-0.53	-0.85	-0.82	-0.55	8.58e-02	752.35	-172.75	-157.13	736.73	119.22
5	88	500	10.94	-7.76	-8.55e-02	3.27	-9.20	711.37	-97.20	462.11	152.06	373.38
5	88	501	4.07e-02	-1.68	-1.67	3.02e-02	0.13	929.93	129.10	928.06	130.97	-38.68
5	88	503	-0.33	-1.17	-0.80	-0.70	0.42	535.90	-231.75	-187.35	491.50	-179.20
5	88	538	14.81	-4.26	13.39	-2.84	5.01	931.58	-34.16	856.70	40.72	-258.28
5	88	539	-0.29	-1.15	-0.91	-0.52	0.38	381.82	263.45	369.63	275.64	-35.98
5	88	540	0.60	-1.39	-1.34	0.56	-0.30	533.09	-7.14	-6.13	532.08	-23.32
5	88	543	0.72	-0.91	0.20	-0.39	0.76	806.05	-409.95	-395.35	791.45	-132.45
5	88	547	10.02	-16.77	-14.23	7.48	-7.86	424.25	185.24	377.79	231.70	94.58
5	88	549	0.72	-14.14	-12.43	-0.99	-4.74	103.31	-380.34	-339.71	62.68	134.16
5	88	553	6.91e-02	-1.49	-1.43	1.06e-02	-0.30	749.99	-211.90	-206.02	744.11	-74.95
5	88	554	11.37	-6.04	1.87	3.46	8.67	701.26	-133.14	423.34	144.78	-393.26
5	88	555	0.21	-0.76	-0.73	0.17	0.18	367.33	167.47	167.47	367.33	0.54
5	93	2	3.27e-02	-1.22	-1.22	2.59e-02	9.23e-02	632.13	-65.01	288.18	278.94	-348.54
5	93	18	-1.25	-2.57	-1.95	-1.88	-0.66	651.48	-9.16	447.25	195.06	305.31
5	93	19	1.33	-0.36	0.88	9.44e-02	0.75	817.92	-359.21	287.60	171.10	-585.68
5	93	20	1.78	-0.62	1.43	-0.27	0.84	886.51	27.17	834.15	79.54	-205.57
5	93	21	0.36	-0.61	-0.52	0.28	0.27	443.07	118.83	118.83	443.07	0.26
5	93	22	7.57	-1.18	6.89	-0.50	2.34	-1145.18	-1798.13	-1741.69	-1201.62	-183.49
5	93	23	1.65	-0.68	1.38	-0.42	0.74	581.67	-286.80	382.29	-87.42	-365.25
5	93	24	1.53	-0.42	1.51	-0.39	0.23	-1483.65	-2664.64	-2657.75	-1490.54	89.89
5	93	25	1.75	3.53e-02	1.72	6.88e-02	0.24	1324.85	19.57	1121.77	222.64	473.11
5	93	26	1.63	7.73e-02	1.63	7.76e-02	-2.36e-02	1481.59	204.52	1381.31	304.80	-343.52
5	93	27	0.62	-0.63	0.62	-0.62	8.61e-02	-1444.13	-2447.69	-2425.22	-1466.60	-148.47
5	93	28	-0.10	-0.79	-0.30	-0.59	-0.31	-253.29	-693.88	-398.59	-548.58	207.13
5	93	29	0.10	-0.83	-0.73	1.16e-03	0.29	449.48	186.03	210.37	425.14	76.28
5	93	30	8.02e-02	-0.88	-0.33	-0.47	0.48	514.71	-330.31	285.34	-100.94	-375.79
5	93	31	1.20	-0.59	1.18	-0.57	-0.18	-1757.51	-3222.72	-3201.90	-1778.33	173.39
5	93	32	2.76	4.04e-02	2.76	4.69e-02	0.13	1401.48	-308.74	915.73	177.00	771.22
5	93	33	3.26	0.15	3.26	0.16	0.11	1327.15	-40.95	1242.23	43.97	330.11
5	93	34	5.81	-2.07	4.46	-0.73	2.96	1050.76	-29.58	1044.91	-23.73	79.28
5	93	35	7.78	-3.24	-1.99	6.53	3.50	-293.30	-416.12	-351.19	-358.23	61.31
5	93	36	0.73	-1.87	-1.46	0.32	-0.95	1123.02	204.16	1115.51	211.66	-82.71
5	93	37	-0.10	-1.51	-1.51	-0.11	7.36e-02	368.73	356.66	368.55	356.85	1.46
5	93	38	16.35	-0.47	-0.18	16.05	-2.21	33.62	-134.33	15.42	-116.14	52.21
5	93	55	4.21	0.66	4.20	0.67	0.15	1142.81	-87.57	1141.70	-86.45	36.99
5	93	56	0.63	-0.43	0.59	-0.39	-0.20	161.35	-185.01	92.29	-115.96	-138.38
5	93	57	1.31	-0.43	0.90	-2.36e-02	0.74	236.75	-2229.91	-2228.46	235.30	59.71
5	93	58	2.52	7.43e-02	2.52	7.46e-02	2.71e-02	1174.78	-141.77	1128.82	-95.81	241.65
5	93	59	2.25	-2.65e-02	2.25	-2.35e-02	-8.26e-02	1505.55	-101.20	1482.36	-78.01	-191.65
5	93	66	0.20	-0.79	1.37e-02	-0.60	0.38	567.63	113.36	113.36	567.63	0.22
5	93	71	5.49	-1.92	3.11	0.47	3.46	949.98	-143.04	940.83	-133.89	99.54
5	93	88	0.74	-0.44	0.27	2.55e-02	-0.58	239.39	-1737.88	-1737.24	238.74	-35.64
5	93	89	0.44	-0.92	0.36	-0.84	0.31	592.86	-303.86	-156.96	445.96	-331.88
5	93	90	-0.30	-0.68	-0.56	-0.42	-0.18	-101.07	-764.93	-761.38	-104.63	-48.44
5	93	91	0.55	0.24	0.55	0.24	-1.64e-02	1185.22	-55.34	1184.50	-54.62	29.89
5	93	92	2.16	-4.47	-4.18e-02	-2.27	3.12	-842.00	-1727.76	-940.28	-1629.48	278.20
5	93	93	-1.73	-2.72	-1.73	-2.71	-5.59e-02	550.48	314.60	314.67	550.41	4.17
5	93	97	7.22	-1.43	-0.35	6.13	-2.87	163.49	-1422.88	152.02	-1411.40	134.42
5	93	100	11.27	0.89	11.08	1.08	1.39	1042.23	-149.24	974.47	-81.48	275.94
5	93	101	-0.37	-11.37	-0.37	-11.37	3.91e-02	1219.51	-33.25	-33.24	1219.50	3.48
5	93	103	16.87	-0.48	-0.18	16.58	2.25	42.93	-110.24	8.49	-75.80	-63.95
5	93	111	-0.28	-0.88	-0.78	-0.38	-0.22	47.41	-222.76	-43.19	-132.16	-127.55
5	93	113	1.70	-1.09	0.64	-2.64e-02	1.35	288.77	-2686.80	-2682.51	284.48	112.94
5	93	129	66.09	8.33	66.08	8.34	0.80	-391.69	-1079.84	-1056.50	-415.02	-124.57
5	93	131	4.14	1.50e-02	4.13	1.84e-02	-0.12	1051.26	-219.00	929.84	-97.58	373.48
5	93	132	4.15	-0.16	4.14	-0.15	-0.18	1288.43	-40.73	1270.72	-23.02	152.38
5	93	133	0.16	-1.34	-0.89	-0.29	0.69	1089.73	-41.21	1089.70	-41.18	5.63
5	93	134	11.68	0.91	11.63	0.97	-0.77	96.24	-238.44	-237.96	95.76	-12.68
5	93	135	2.68	6.88e-02	2.66	8.02e-02	0.17	162.85	-1472.98	-1469.65	159.52	73.68
5	93	136	3.08	0.32	2.71	0.68	0.93	1100.17	200.53	1094.45	206.25	71.49

5	93	144	28.11	-0.83	28.11	-0.83	-0.14	965.91	-55.40	958.01	-47.50	89.51
5	93	152	0.86	2.60e-02	0.75	0.13	0.28	631.43	-63.93	291.03	276.47	347.61
5	93	155	6.10	-5.94	-4.65	4.81	3.72	590.30	282.29	303.80	568.79	-78.51
5	93	169	1.02	-4.00	-1.06	-1.92	2.47	-92.76	-151.65	-111.52	-132.88	27.44
5	93	170	0.25	-0.55	-0.32	2.44e-02	0.36	423.63	133.58	133.58	423.63	9.54e-02
5	93	171	9.34	-13.18	-10.51	6.67	-7.29	611.78	304.53	501.04	415.26	147.51
5	93	172	3.18	-1.38	0.76	1.04	2.28	412.43	250.39	389.90	272.92	56.07
5	93	174	13.27	-23.70	-20.27	9.84	10.72	-176.16	-834.78	-818.26	-192.68	-102.99
5	93	175	7.57e-02	-1.14	-1.07	4.67e-03	0.29	670.71	94.86	555.89	209.68	230.07
5	93	182	-0.15	-0.77	-0.45	-0.47	0.31	642.07	49.13	51.29	639.91	35.70
5	93	186	-6.49e-02	-0.87	-0.35	-0.59	0.39	607.62	82.96	82.98	607.60	-3.10
5	93	189	0.13	-0.61	-9.16e-02	-0.39	0.34	588.44	74.86	74.86	588.43	0.41
5	93	193	9.99	-15.97	-13.94	7.96	6.97	503.86	166.61	409.08	261.39	-151.59
5	93	207	0.81	-0.76	0.65	-0.60	0.47	898.31	-193.13	-175.72	880.90	-136.75
5	93	208	0.89	-1.08e-03	0.80	8.91e-02	0.27	670.94	92.74	554.28	209.40	-232.04
5	93	209	0.53	-0.82	0.53	-0.82	7.24e-02	647.85	-255.74	-205.28	597.38	207.50
5	93	210	9.26e-02	-0.61	6.62e-02	-0.59	0.13	449.47	334.10	433.77	349.80	39.56
5	93	211	-0.25	-2.28	-2.27	-0.25	-9.28e-02	-1479.46	-2654.67	-2647.51	-1486.61	-91.41
5	93	212	-2.22	-22.09	-21.53	-2.79	3.30	-115.73	-842.38	-837.26	-120.85	-60.77
5	93	230	-4.26e-02	-9.38	-4.27e-02	-9.38	-3.78e-02	1143.48	135.39	135.43	1143.43	6.70
5	93	232	12.89	-5.05	10.95	-3.11	-5.57	1071.71	-28.70	986.56	56.45	294.01
5	93	234	1.00	-0.66	0.84	-0.49	-0.50	962.86	-466.52	-449.62	945.96	154.51
5	93	249	1.27	-0.12	1.12	2.63e-02	-0.43	820.81	-347.07	295.22	178.53	581.02
5	93	250	1.76	-0.58	1.56	-0.38	-0.65	886.38	45.08	838.66	92.80	194.61
5	93	251	5.40	-1.91	3.15	0.35	-3.38	944.99	-125.81	929.92	-110.74	-126.14
5	93	252	2.25	-4.07	3.54e-02	-1.85	-3.02	-782.73	-1630.78	-903.58	-1509.93	-296.44
5	93	262	1.69	-9.02	1.33	-8.65	-1.95	1029.68	-149.29	118.11	762.28	493.72
5	93	265	6.06	-5.03	-0.81	1.83	-5.39	731.63	-6.74	13.78	711.10	121.38
5	93	269	9.01	-11.68	-9.46	6.80	6.39	620.75	270.65	482.86	408.54	-171.06
5	93	272	1.32	-2.12	-1.86	1.06	-0.91	591.24	94.87	97.11	589.01	33.23
5	93	273	3.07	-3.62	-2.91	2.36	-2.06	556.21	210.85	211.75	555.31	17.61
5	93	287	6.25	-7.31	-5.80	4.73	-4.27	593.95	300.58	317.41	577.12	68.21
5	93	288	7.86	-1.29	-0.31	6.88	2.84	156.13	-1314.39	142.59	-1300.85	-140.49
5	93	289	0.15	-0.71	-0.11	-0.45	0.40	542.45	81.96	81.96	542.45	0.22
5	93	290	1.64	-1.17	-0.68	1.15	1.07	588.22	91.58	93.99	585.81	-34.54
5	93	291	3.20	-2.46	-1.73	2.47	1.89	550.37	205.81	207.13	549.04	-21.30
5	93	292	0.47	-1.06	-1.06	0.47	-2.23e-03	1155.05	-88.69	1153.41	-87.05	-45.16
5	93	293	-0.90	-4.22	-4.22	-0.91	-0.11	178.51	-179.95	115.18	-116.63	136.71
5	93	294	0.33	-3.04	-2.89	0.17	-0.70	236.98	-2230.36	-2229.18	235.79	-54.08
5	93	295	-0.21	-1.78	-1.78	-0.21	4.65e-02	1173.97	-142.93	1126.83	-95.79	-244.64
5	93	296	-1.37e-02	-1.05	-1.05	-1.78e-02	-6.47e-02	1504.34	-101.18	1481.81	-78.66	188.81
5	93	297	0.32	-1.81	-1.65	0.16	0.57	239.76	-1729.16	-1728.24	238.84	42.37
5	93	298	-0.75	-2.97	-2.90	-0.82	0.37	-101.75	-782.88	-779.47	-105.17	48.10
5	93	299	0.37	-0.88	-0.87	0.37	-0.10	1183.14	-55.28	1182.31	-54.45	-32.07
5	93	300	-0.37	-1.59	-1.57	-0.39	0.15	53.30	-214.85	-30.43	-131.12	124.26
5	93	301	1.34	-1.26	6.39e-02	1.57e-02	-1.30	286.69	-2687.10	-2683.33	282.92	-105.76
5	93	302	3.97	-1.64e-02	3.97	-1.44e-02	8.90e-02	1036.80	-222.41	911.24	-96.85	-377.27
5	93	303	4.50	-0.10	4.49	-0.10	0.14	1271.35	-42.40	1251.56	-22.61	-160.01
5	93	304	0.49	-0.94	-0.20	-0.24	-0.71	1073.37	-39.17	1072.97	-38.77	-21.07
5	93	305	11.58	0.95	11.53	1.00	0.75	90.66	-192.13	-191.89	90.43	8.19
5	93	306	1.14	-0.23	0.86	4.69e-02	0.55	891.51	-242.25	-235.92	885.18	84.46
5	93	307	2.83e-02	-0.94	-0.27	-0.65	0.45	596.24	150.60	150.95	595.90	12.33
5	93	308	0.97	-3.96	-1.11	-1.88	-2.44	-89.72	-151.63	-110.34	-131.01	-29.18
5	93	311	0.21	-0.87	-0.19	-0.48	0.52	636.90	51.63	53.76	634.77	35.25
5	93	325	0.19	-16.88	0.15	-16.83	0.89	765.50	-156.30	-95.05	704.26	229.57
5	93	326	0.44	-0.67	0.24	-0.48	0.42	642.38	48.73	50.83	640.28	-35.23
5	93	327	0.50	-0.28	0.18	4.44e-02	0.39	449.65	185.74	210.20	425.18	-76.54
5	93	328	0.39	-0.71	0.27	-0.59	0.34	608.00	83.49	83.52	607.97	3.72
5	93	329	0.29	-0.74	0.22	-0.66	0.27	597.03	150.71	151.05	596.69	-12.34
5	93	330	-4.92	-26.28	-26.24	-4.95	-0.84	-122.35	-888.91	-888.90	-122.35	-2.64
5	93	331	0.79	-16.37	-14.50	-1.08	5.35	94.11	-339.30	-296.54	51.36	-129.24
5	93	332	4.30	-1.66	2.99	-0.35	-2.47	-1151.70	-1781.05	-1726.48	-1206.27	177.10
5	93	336	-0.23	-0.84	-0.29	-0.78	0.18	589.38	-300.98	-152.84	441.24	331.59
5	93	337	7.68	-18.67	-18.65	7.66	-0.72	379.40	271.98	376.82	274.56	-16.46
5	93	338	7.73	-14.02	-14.00	7.72	-0.51	497.74	394.74	496.28	396.19	-12.16
5	93	339	5.94	-7.57	-7.56	5.94	-0.30	514.45	361.45	361.65	514.26	-5.46
5	93	340	-0.53	-2.73	-2.53	-0.73	-0.64	592.58	-277.37	396.88	-81.67	363.25
5	93	343	13.21	-24.88	-20.41	8.74	-12.26	-197.38	-954.70	-941.86	-210.22	97.77
5	93	344	-0.21	-1.63	-1.63	-0.22	-9.00e-02	1327.54	18.88	1122.31	224.11	-475.88
5	93	345	-1.58	-23.61	-22.29	-2.90	-5.22	-128.16	-909.59	-905.63	-132.12	55.48
5	93	347	2.21e-02	-1.33	-1.31	-4.06e-03	0.19	1479.25	205.50	1380.33	304.42	340.90
5	93	348	-0.53	-1.48	-1.48	-0.54	4.55e-02	-1446.32	-2456.72	-2434.58	-1468.46	147.92
5	93	349	-0.67	-2.18	-2.06	-0.80	0.41	-265.20	-699.10	-410.72	-553.58	-204.85
5	93	350	0.51	-0.83	-0.14	-0.18	0.67	686.20	-25.83	-21.34	681.72	-56.33
5	93	365	0.18	-0.54	0.16	-0.52	0.12	638.62	51.18	53.23	636.56	-34.71
5	93	366	3.39	0.24	3.39	0.24	-3.65e-02	1318.71	-55.00	1225.31	38.40	-345.81
5	93	367	0.17	-0.27	0.12	-0.22	-0.14	688.38	-25.23	-20.65	683.80	56.96
5	93	368	17.19	-12.37	0.68	4.14	-14.68	648.31	42.34	547.84	142.82	225.36
5	93	373	-0.32	-1.28	-1.18	-0.43	-0.30	513.70	-328.15	287.19	-101.64	373.34
5	93	376	0.70	-0.60	0.63	-0.52	0.30	-1757.38	-3219.25	-3197.84	-1778.79	-175.62

5	93	378	2.59	5.82e-02	2.59	5.82e-02	-1.29e-02	1398.79	-320.05	905.90	172.85	-777.35
5	93	379	0.71	-0.91	-0.36	0.16	0.76	546.88	99.62	210.46	436.04	-193.10
5	93	383	6.11	-2.01	4.77	-0.67	-3.01	1032.61	-45.09	1020.81	-33.29	-112.17
5	93	386	32.63	-0.96	32.63	-0.96	0.23	947.53	-57.65	936.04	-46.15	-106.88
5	93	387	15.83	1.52	15.60	1.75	-1.79	983.83	-152.99	907.09	-76.25	-285.21
5	93	389	8.00	-3.23	-1.84	6.60	-3.70	-202.92	-389.52	-288.45	-303.99	-92.98
5	93	393	0.47	-1.28	-0.59	-0.22	0.86	508.75	252.64	498.78	262.62	-49.55
5	93	395	70.87	9.02	70.83	9.06	-1.47	-330.72	-838.15	-830.13	-338.73	63.25
5	93	397	0.37	-0.45	-0.18	0.10	-0.39	550.03	102.31	211.85	440.49	192.47
5	93	398	6.66	-5.61e-02	6.66	-5.60e-02	-2.86e-02	159.66	-1481.51	-1479.00	157.14	-64.21
5	93	399	0.19	-0.95	-0.94	0.18	0.15	500.39	137.84	176.36	461.87	-111.72
5	93	414	0.31	-1.06	-0.44	-0.30	-0.68	508.03	263.30	498.45	272.88	47.45
5	93	415	1.87e-02	-0.26	-0.24	4.22e-03	6.18e-02	1075.64	160.07	1073.76	161.95	41.49
5	93	417	0.74	-2.27	-1.56	3.12e-02	-1.27	561.53	-238.00	-68.63	392.16	326.69
5	93	418	0.54	-0.20	0.11	0.24	0.36	499.51	138.05	176.86	460.70	111.90
5	93	424	17.34	-10.29	2.68	4.37	13.79	664.05	12.94	533.28	143.71	-260.86
5	93	425	6.78	-3.21	1.69	1.89	4.99	719.56	-32.05	-9.51	697.02	-128.20
5	93	427	2.06	-1.03	0.86	0.17	1.51	558.04	-249.78	-78.82	387.08	-329.97
5	93	431	0.96	-0.52	-0.17	0.62	0.62	635.95	-4.42	-3.40	634.93	25.60
5	93	435	0.18	-16.21	0.14	-16.18	-0.78	801.02	-148.44	-92.22	744.81	-224.09
5	93	439	0.19	-0.75	-3.32e-02	-0.53	0.39	545.95	92.11	92.11	545.95	0.28
5	93	454	-1.29	-2.35	-1.73	-1.90	0.52	654.91	12.63	443.95	223.59	-301.65
5	93	455	0.13	-0.46	-0.23	-0.10	0.28	579.30	57.94	57.94	579.30	0.49
5	93	456	1.64	-8.58	1.31	-8.25	1.81	1045.87	-131.34	119.34	795.18	-481.94
5	93	457	2.25	-3.16	-1.70	0.78	-2.41	423.72	252.61	394.01	282.32	-64.81
5	93	461	1.53	-1.71	-1.71	1.53	6.49e-02	546.26	101.49	101.49	546.26	-0.23
5	93	462	16.03	-1.81	14.83	-0.61	4.47	1257.20	-223.58	949.20	84.42	-601.02
5	93	465	3.07	-3.34	-3.34	3.07	-8.96e-02	535.70	191.29	191.29	535.69	-1.33
5	93	466	12.93	-2.53	11.43	-1.03	-4.58	1291.95	-196.83	1004.07	91.04	587.97
5	93	470	0.87	-1.04	-1.03	0.86	0.17	541.67	63.28	63.28	541.67	0.15
5	93	483	-0.58	-0.77	-0.73	-0.62	6.97e-02	898.29	-190.34	-172.67	880.62	137.58
5	93	500	11.35	-8.10	-6.33e-02	3.31	-9.58	813.43	-121.82	499.72	191.89	441.57
5	93	501	4.34e-02	-1.72	-1.70	3.08e-02	0.15	1073.73	158.97	1071.51	161.19	-44.96
5	93	503	-0.30	-1.21	-0.72	-0.79	0.45	647.47	-258.01	-208.36	597.83	-206.14
5	93	538	15.28	-4.43	13.86	-3.01	5.11	1044.89	-48.61	945.35	50.93	-314.55
5	93	539	-0.28	-1.18	-0.87	-0.59	0.43	449.89	331.22	432.74	348.36	-41.72
5	93	540	0.61	-1.37	-1.32	0.56	-0.31	637.84	-3.16	-2.13	636.81	-25.65
5	93	543	0.95	-1.00	0.37	-0.43	0.89	959.37	-469.79	-452.98	942.56	-154.08
5	93	547	10.41	-17.51	-14.83	7.74	-8.22	482.41	200.46	416.88	265.99	119.09
5	93	549	0.75	-14.78	-13.01	-1.01	-4.93	105.63	-392.88	-349.99	62.75	139.78
5	93	553	4.33e-02	-1.45	-1.39	-2.02e-02	-0.30	893.76	-239.68	-233.34	887.43	-84.51
5	93	554	11.81	-6.33	1.97	3.51	9.03	804.23	-160.05	459.77	184.41	-462.07
5	93	555	0.26	-0.83	-0.80	0.22	0.19	438.39	194.30	194.30	438.39	0.56
5	95	2	3.77e-02	-1.17	-1.16	3.01e-02	9.57e-02	631.55	-64.84	288.05	278.66	-348.16
5	95	18	-1.24	-2.57	-1.93	-1.88	-0.67	650.63	-10.00	446.34	194.28	305.33
5	95	19	1.35	-0.35	0.91	0.10	0.75	817.95	-359.13	288.08	170.73	-585.61
5	95	20	1.79	-0.61	1.45	-0.26	0.84	886.08	26.64	833.67	79.04	-205.65
5	95	21	0.39	-0.52	-0.42	0.29	0.29	442.58	117.77	117.77	442.58	0.28
5	95	22	8.07	-1.19	7.38	-0.50	2.43	-1147.27	-1786.42	-1726.85	-1206.84	-185.82
5	95	23	1.84	-0.66	1.59	-0.41	0.75	582.19	-285.32	384.63	-87.77	-363.80
5	95	24	1.72	-0.42	1.70	-0.39	0.23	-1482.45	-2662.52	-2655.54	-1489.43	90.51
5	95	25	1.93	4.80e-02	1.90	8.00e-02	0.24	1323.71	19.75	1120.99	222.47	472.49
5	95	26	1.78	7.94e-02	1.78	7.97e-02	-1.97e-02	1481.27	204.26	1380.60	304.93	-344.13
5	95	27	0.75	-0.63	0.74	-0.62	8.79e-02	-1443.75	-2445.88	-2423.36	-1466.27	-148.51
5	95	28	-1.27e-02	-0.74	-0.17	-0.58	-0.30	-250.51	-692.94	-395.93	-547.52	207.83
5	95	29	0.12	-0.78	-0.66	-6.39e-04	0.30	449.34	185.09	209.47	424.96	76.48
5	95	30	0.13	-0.87	-0.27	-0.47	0.49	514.09	-330.67	284.71	-101.30	-375.70
5	95	31	1.25	-0.59	1.23	-0.58	-0.18	-1757.61	-3223.41	-3202.61	-1778.41	173.38
5	95	32	2.80	4.26e-02	2.80	4.98e-02	0.14	1401.17	-308.30	915.78	177.10	770.82
5	95	33	3.28	0.15	3.28	0.15	0.11	1326.71	-40.54	1242.09	44.08	329.45
5	95	34	5.80	-2.07	4.45	-0.73	2.96	1049.78	-29.42	1044.04	-23.68	78.47
5	95	35	7.76	-3.24	-1.99	6.52	3.48	-297.23	-416.81	-354.43	-359.61	59.73
5	95	36	0.76	-1.84	-1.41	0.33	-0.96	1133.76	204.89	1126.00	212.65	-84.56
5	95	37	-0.10	-1.49	-1.48	-0.11	7.71e-02	368.44	356.54	368.23	356.75	1.54
5	95	38	16.31	-0.47	-0.17	16.02	-2.21	33.33	-134.58	15.56	-116.81	51.65
5	95	55	4.48	0.69	4.47	0.70	0.16	1149.85	-87.73	1148.70	-86.59	37.68
5	95	56	0.81	-0.42	0.78	-0.38	-0.21	160.48	-184.95	91.48	-115.94	-138.11
5	95	57	1.47	-0.42	1.09	-3.31e-02	0.76	236.61	-2226.17	-2224.62	235.06	61.66
5	95	58	2.73	8.55e-02	2.73	8.57e-02	2.36e-02	1174.59	-141.53	1128.88	-95.81	241.00
5	95	59	2.40	-2.72e-02	2.40	-2.36e-02	-9.32e-02	1504.94	-101.22	1481.58	-77.86	-192.29
5	95	66	0.26	-0.79	7.45e-02	-0.61	0.40	567.64	113.45	113.45	567.64	0.23
5	95	71	5.49	-1.91	3.11	0.47	3.46	948.94	-143.91	939.89	-134.86	99.07
5	95	88	0.80	-0.40	0.38	1.99e-02	-0.57	239.29	-1740.34	-1739.76	238.70	-33.91
5	95	89	0.51	-0.93	0.43	-0.85	0.33	592.89	-304.51	-157.88	446.26	-331.79
5	95	90	-0.24	-0.58	-0.43	-0.40	-0.17	-100.89	-760.88	-757.30	-104.47	-48.48
5	95	91	0.64	0.23	0.64	0.23	-2.62e-02	1185.47	-55.33	1184.77	-54.63	29.55
5	95	92	2.13	-4.46	-4.45e-02	-2.28	3.10	-845.16	-1729.07	-942.19	-1632.04	276.32
5	95	93	-1.71	-2.71	-1.72	-2.71	-5.92e-02	550.33	313.91	313.99	550.25	4.39
5	95	97	7.20	-1.44	-0.34	6.11	-2.87	163.47	-1424.60	152.16	-1413.28	133.57
5	95	100	11.94	0.96	11.74	1.16	1.48	1083.70	-148.85	1018.38	-83.53	276.12

5	95	101	-0.37	-11.35	-0.37	-11.35	4.11e-02	1218.65	-33.21	-33.20	1218.64	3.66
5	95	103	16.87	-0.48	-0.18	16.57	2.26	43.15	-109.21	8.26	-74.32	-64.02
5	95	111	-0.27	-0.84	-0.73	-0.38	-0.23	45.58	-224.15	-46.32	-132.25	-127.84
5	95	113	1.75	-1.08	0.69	-2.94e-02	1.37	288.97	-2686.09	-2681.66	284.55	114.61
5	95	129	69.96	8.80	69.95	8.82	0.87	-419.69	-1193.36	-1164.63	-448.43	-146.31
5	95	131	4.19	1.89e-02	4.18	2.25e-02	-0.12	1052.42	-218.60	931.43	-97.62	373.01
5	95	132	4.15	-0.16	4.15	-0.16	-0.19	1288.59	-40.60	1270.98	-22.99	151.98
5	95	133	0.15	-1.34	-0.90	-0.30	0.69	1088.32	-41.23	1088.30	-41.21	5.15
5	95	134	11.70	0.91	11.64	0.97	-0.77	96.37	-241.37	-240.89	95.89	-12.73
5	95	135	2.96	6.55e-02	2.95	8.29e-02	0.22	164.15	-1458.03	-1454.30	160.42	77.68
5	95	136	3.33	0.37	2.98	0.71	0.95	1109.77	201.10	1103.90	206.97	72.78
5	95	144	29.71	-0.89	29.71	-0.88	-0.15	987.02	-55.66	979.83	-48.47	86.28
5	95	152	1.00	4.16e-02	0.90	0.14	0.30	630.82	-63.71	291.04	276.07	347.18
5	95	155	6.44	-5.98	-4.62	5.08	3.88	599.34	306.43	329.25	576.52	-78.51
5	95	169	1.02	-4.01	-1.06	-1.93	2.48	-92.76	-151.44	-111.29	-132.90	27.28
5	95	170	0.29	-0.50	-0.23	2.42e-02	0.38	423.41	132.75	132.75	423.41	0.10
5	95	171	9.91	-13.54	-10.73	7.09	-7.62	639.53	324.70	538.74	425.50	146.88
5	95	172	3.39	-1.31	0.98	1.10	2.35	419.78	251.25	396.48	274.55	58.17
5	95	174	14.10	-24.98	-21.25	10.37	11.48	-192.13	-917.85	-902.09	-207.89	-105.78
5	95	175	7.96e-02	-1.11	-1.03	1.02e-03	0.30	670.11	94.14	554.69	209.56	230.56
5	95	182	-0.10	-0.77	-0.39	-0.47	0.33	642.07	48.88	51.03	639.92	35.67
5	95	186	-1.43e-02	-0.87	-0.30	-0.59	0.40	607.61	82.99	83.01	607.59	-3.17
5	95	189	0.18	-0.61	-3.96e-02	-0.39	0.36	588.43	74.91	74.91	588.43	0.43
5	95	193	10.61	-16.43	-14.31	8.49	7.27	524.08	178.78	433.76	269.10	-151.76
5	95	207	0.92	-0.76	0.76	-0.60	0.49	898.22	-194.08	-176.74	880.89	-136.52
5	95	208	1.02	8.65e-04	0.93	8.96e-02	0.29	670.36	91.91	553.00	209.28	-232.63
5	95	209	0.63	-0.82	0.63	-0.82	8.96e-02	647.81	-255.41	-204.71	597.11	207.90
5	95	210	0.18	-0.62	0.15	-0.59	0.16	449.47	334.40	434.05	349.83	39.20
5	95	211	-0.24	-2.28	-2.27	-0.24	-8.68e-02	-1478.04	-2652.05	-2644.78	-1485.31	-92.10
5	95	212	-1.77	-22.94	-22.31	-2.40	3.59	-128.39	-920.75	-915.91	-133.23	-61.76
5	95	230	-3.49e-02	-9.37	-3.51e-02	-9.37	-4.00e-02	1142.75	135.02	135.02	1142.70	7.05
5	95	232	13.68	-5.31	11.64	-3.27	-5.88	1101.91	-25.89	1018.07	57.95	295.86
5	95	234	1.05	-0.65	0.89	-0.49	-0.49	962.97	-466.16	-449.19	946.00	154.81
5	95	249	1.30	-0.10	1.16	2.85e-02	-0.41	821.00	-346.34	296.09	178.57	580.70
5	95	250	1.78	-0.57	1.59	-0.38	-0.63	885.95	45.50	838.43	93.01	194.10
5	95	251	5.40	-1.90	3.15	0.35	-3.37	943.73	-125.79	928.40	-110.46	-127.10
5	95	252	2.23	-4.04	3.65e-02	-1.84	-2.99	-782.77	-1626.88	-903.52	-1506.13	-295.55
5	95	262	1.70	-9.02	1.33	-8.65	-1.95	1028.02	-149.72	117.47	760.83	493.24
5	95	265	6.43	-5.12	-0.65	1.95	-5.62	739.27	17.20	38.31	718.16	121.64
5	95	269	9.56	-11.96	-9.63	7.24	6.68	647.93	290.16	519.66	418.43	-171.57
5	95	272	1.39	-2.06	-1.78	1.12	-0.94	592.08	96.51	98.62	589.98	32.24
5	95	273	3.23	-3.60	-2.85	2.48	-2.13	559.76	218.89	219.70	558.96	16.55
5	95	287	6.59	-7.42	-5.82	5.00	-4.45	602.94	325.84	343.51	585.26	67.71
5	95	288	7.88	-1.29	-0.30	6.90	2.84	155.71	-1310.33	142.22	-1296.85	-139.96
5	95	289	0.22	-0.71	-3.14e-02	-0.46	0.42	542.47	81.80	81.80	542.47	0.23
5	95	290	1.74	-1.07	-0.54	1.21	1.10	588.91	93.06	95.35	586.62	-33.62
5	95	291	3.37	-2.38	-1.60	2.59	1.97	553.62	213.63	214.86	552.39	-20.41
5	95	292	0.48	-1.06	-1.06	0.48	-6.60e-03	1162.68	-88.92	1160.97	-87.21	-46.25
5	95	293	-0.92	-4.29	-4.28	-0.92	-0.11	178.50	-179.63	115.51	-116.64	136.35
5	95	294	0.33	-3.06	-2.90	0.17	-0.72	236.83	-2226.63	-2225.36	235.57	-55.74
5	95	295	-0.21	-1.80	-1.80	-0.22	5.38e-02	1173.73	-142.74	1126.78	-95.79	-244.14
5	95	296	-1.38e-02	-1.07	-1.07	-1.74e-02	-6.16e-02	1503.65	-101.20	1481.00	-78.55	189.30
5	95	297	0.31	-1.80	-1.64	0.16	0.56	239.66	-1731.14	-1730.29	238.80	40.98
5	95	298	-0.75	-2.95	-2.88	-0.81	0.37	-101.60	-779.74	-776.31	-105.04	48.13
5	95	299	0.37	-0.86	-0.85	0.36	-9.85e-02	1183.29	-55.27	1182.47	-54.45	-31.84
5	95	300	-0.37	-1.58	-1.56	-0.39	0.16	51.69	-215.75	-32.91	-131.15	124.37
5	95	301	1.36	-1.26	9.06e-02	1.47e-02	-1.31	286.77	-2686.37	-2682.51	282.91	-107.07
5	95	302	4.01	-1.40e-02	4.01	-1.19e-02	9.20e-02	1037.18	-222.18	911.85	-96.85	-377.00
5	95	303	4.52	-0.10	4.52	-0.10	0.14	1270.59	-42.36	1250.79	-22.55	-160.03
5	95	304	0.50	-0.92	-0.18	-0.24	-0.71	1071.06	-39.08	1070.65	-38.67	-21.42
5	95	305	11.59	0.95	11.54	1.00	0.75	90.50	-192.62	-192.40	90.27	8.00
5	95	306	1.30	-0.20	1.03	6.55e-02	0.57	891.16	-241.78	-235.30	884.68	85.44
5	95	307	7.58e-02	-0.94	-0.22	-0.65	0.46	596.20	150.70	151.04	595.86	12.37
5	95	308	0.97	-3.96	-1.11	-1.88	-2.44	-89.56	-151.41	-110.04	-130.93	-29.11
5	95	311	0.25	-0.87	-0.15	-0.48	0.53	636.86	51.60	53.73	634.74	35.21
5	95	325	0.19	-16.87	0.15	-16.83	0.89	763.62	-156.25	-95.02	702.40	229.28
5	95	326	0.53	-0.67	0.34	-0.48	0.44	642.40	48.46	50.55	640.31	-35.18
5	95	327	0.59	-0.26	0.29	4.48e-02	0.41	449.53	184.78	209.30	425.01	-76.75
5	95	328	0.47	-0.71	0.35	-0.59	0.36	608.01	83.55	83.58	607.98	3.82
5	95	329	0.37	-0.74	0.29	-0.66	0.29	597.04	150.81	151.15	596.70	-12.38
5	95	330	-4.57	-27.22	-27.19	-4.60	-0.89	-134.42	-966.89	-966.88	-134.43	-2.80
5	95	331	0.83	-17.36	-15.38	-1.15	5.67	98.83	-365.20	-321.60	55.24	-135.39
5	95	332	4.61	-1.68	3.27	-0.34	-2.57	-1154.11	-1768.54	-1710.92	-1211.73	179.11
5	95	336	-0.20	-0.84	-0.26	-0.78	0.19	589.22	-301.48	-153.55	441.28	331.48
5	95	337	8.23	-19.22	-19.20	8.21	-0.76	404.20	280.76	401.74	283.22	-17.26
5	95	338	8.22	-14.37	-14.36	8.20	-0.53	534.50	405.46	533.23	406.73	-12.75
5	95	339	6.26	-7.66	-7.65	6.26	-0.31	522.61	387.57	387.81	522.37	-5.73
5	95	340	-0.53	-2.73	-2.52	-0.74	-0.64	593.66	-275.44	399.95	-81.73	361.70
5	95	343	14.05	-26.19	-21.35	9.21	-13.09	-213.91	-1043.76	-1031.44	-226.23	100.36
5	95	344	-0.22	-1.63	-1.62	-0.22	-8.79e-02	1326.53	19.03	1121.55	224.01	-475.40

5	95	345	-1.09	-24.54	-23.10	-2.52	-5.62	-141.30	-991.15	-987.42	-145.03	56.15
5	95	347	2.15e-02	-1.33	-1.31	-6.02e-03	0.19	1478.80	205.29	1379.57	304.53	341.37
5	95	348	-0.53	-1.46	-1.46	-0.53	5.07e-02	-1446.07	-2455.37	-2433.20	-1468.24	147.94
5	95	349	-0.67	-2.15	-2.03	-0.80	0.41	-263.05	-698.43	-408.69	-552.79	-205.42
5	95	350	0.54	-0.82	-0.10	-0.17	0.68	686.09	-25.74	-21.25	681.60	-56.39
5	95	365	0.25	-0.55	0.22	-0.52	0.14	638.68	51.13	53.18	636.63	-34.65
5	95	366	3.42	0.24	3.41	0.24	-3.55e-02	1317.81	-55.34	1224.26	38.21	-345.98
5	95	367	0.21	-0.26	0.17	-0.22	-0.13	688.39	-25.11	-20.52	683.79	57.05
5	95	368	18.25	-12.79	0.97	4.50	-15.42	668.09	51.31	573.64	145.76	222.11
5	95	373	-0.32	-1.27	-1.16	-0.43	-0.30	513.00	-328.40	286.65	-102.05	373.12
5	95	376	0.73	-0.60	0.65	-0.52	0.30	-1757.47	-3219.76	-3198.33	-1778.90	-175.73
5	95	378	2.62	6.18e-02	2.62	6.18e-02	-1.33e-02	1398.34	-320.20	905.41	172.72	-777.26
5	95	379	0.73	-0.89	-0.33	0.17	0.77	546.66	99.60	210.52	435.74	-193.09
5	95	383	6.12	-2.00	4.79	-0.67	-3.01	1030.67	-45.77	1018.65	-33.75	-113.12
5	95	386	34.50	-1.03	34.49	-1.03	0.24	967.53	-57.82	956.77	-47.06	-104.50
5	95	387	16.75	1.62	16.51	1.87	-1.90	1021.97	-152.33	947.69	-78.05	-285.85
5	95	389	7.99	-3.23	-1.84	6.60	-3.69	-202.08	-388.77	-288.36	-302.48	-93.08
5	95	393	0.48	-1.27	-0.57	-0.22	0.85	508.43	252.26	498.48	262.21	-49.48
5	95	395	75.06	9.54	75.03	9.58	-1.57	-356.59	-938.84	-927.04	-368.39	82.04
5	95	397	0.37	-0.41	-0.15	0.10	-0.37	549.98	102.43	211.98	440.43	192.43
5	95	398	7.15	-6.12e-02	7.15	-6.04e-02	-7.38e-02	160.75	-1466.90	-1464.08	157.92	-67.73
5	95	399	0.20	-0.88	-0.86	0.18	0.16	499.78	137.08	175.50	461.35	-111.63
5	95	414	0.32	-1.04	-0.42	-0.30	-0.67	507.66	263.49	498.14	273.01	47.28
5	95	415	3.17e-02	-0.17	-0.15	3.24e-03	7.11e-02	1075.94	160.13	1074.10	161.97	40.99
5	95	417	0.79	-2.24	-1.49	5.05e-02	-1.30	561.05	-234.99	-66.90	392.97	324.88
5	95	418	0.63	-0.14	0.24	0.25	0.38	498.86	137.30	176.03	460.12	111.82
5	95	424	18.42	-10.61	3.07	4.75	14.49	683.64	21.40	558.37	146.67	-259.36
5	95	425	7.21	-3.22	1.98	2.02	5.21	726.65	-9.38	13.90	703.38	-128.79
5	95	427	2.24	-0.98	1.06	0.19	1.55	557.40	-247.35	-77.60	387.65	-328.32
5	95	431	1.04	-0.42	-3.09e-02	0.65	0.65	635.80	-4.81	-3.74	634.73	26.14
5	95	435	0.18	-16.17	0.14	-16.14	-0.78	801.05	-147.98	-92.04	745.11	-223.50
5	95	439	0.26	-0.75	3.65e-02	-0.53	0.42	545.96	92.10	92.10	545.96	0.29
5	95	454	-1.28	-2.34	-1.71	-1.90	0.52	654.27	12.93	442.88	224.32	-301.48
5	95	455	0.16	-0.45	-0.19	-0.10	0.30	579.24	58.02	58.02	579.24	0.51
5	95	456	1.65	-8.55	1.32	-8.22	1.80	1045.09	-130.83	118.78	795.49	-480.84
5	95	457	2.38	-3.16	-1.60	0.83	-2.49	431.60	253.59	400.79	284.41	-67.35
5	95	461	1.61	-1.61	-1.61	1.60	6.94e-02	547.30	102.79	102.79	547.30	-0.24
5	95	462	17.00	-1.87	15.76	-0.63	4.68	1291.55	-217.64	988.72	85.19	-604.43
5	95	465	3.23	-3.28	-3.28	3.22	-9.29e-02	539.28	199.39	199.39	539.27	-1.39
5	95	466	13.72	-2.63	12.17	-1.07	-4.80	1328.54	-190.11	1046.28	92.14	590.74
5	95	470	0.92	-0.94	-0.92	0.90	0.18	541.63	62.60	62.60	541.63	0.16
5	95	483	-0.56	-0.75	-0.70	-0.62	8.41e-02	898.20	-191.15	-173.53	880.58	137.40
5	95	500	12.02	-8.31	0.17	3.55	-10.02	841.29	-105.09	538.65	197.55	441.39
5	95	501	4.44e-02	-1.69	-1.68	3.13e-02	0.15	1073.91	158.98	1071.73	161.16	-44.64
5	95	503	-0.27	-1.20	-0.68	-0.79	0.46	647.40	-257.80	-207.96	597.56	-206.47
5	95	538	16.21	-4.67	14.71	-3.17	5.40	1073.44	-46.47	974.79	52.18	-317.41
5	95	539	-0.26	-1.16	-0.83	-0.59	0.43	449.90	331.37	432.97	348.30	-41.48
5	95	540	0.64	-1.29	-1.24	0.59	-0.32	637.78	-3.48	-2.41	636.71	-26.20
5	95	543	0.98	-1.00	0.40	-0.42	0.89	959.29	-469.60	-452.72	942.42	-154.36
5	95	547	11.06	-18.05	-15.24	8.25	-8.59	502.54	213.38	441.96	273.96	117.68
5	95	549	0.79	-15.67	-13.80	-1.07	-5.22	111.07	-421.56	-377.68	67.19	146.46
5	95	553	6.26e-02	-1.40	-1.33	-5.00e-03	-0.31	893.52	-239.09	-232.59	887.03	-85.49
5	95	554	12.52	-6.45	2.31	3.76	9.46	830.89	-144.47	496.73	189.69	-462.89
5	95	555	0.26	-0.80	-0.76	0.23	0.20	438.26	194.30	194.30	438.26	0.59
5	102	2	2.50e-02	-1.29	-1.28	1.88e-02	8.99e-02	553.20	-70.66	253.46	229.09	-311.69
5	102	18	-1.07	-2.30	-1.77	-1.60	-0.61	591.65	-26.35	395.33	169.98	287.72
5	102	19	1.09	-0.34	0.69	6.84e-02	0.65	720.74	-326.85	259.63	134.27	-520.03
5	102	20	1.51	-0.55	1.20	-0.25	0.73	794.70	11.23	753.10	52.83	-175.68
5	102	21	0.34	-0.68	-0.60	0.26	0.26	382.87	103.25	103.25	382.87	0.25
5	102	22	7.16	-1.11	6.50	-0.46	2.23	-1035.70	-1608.37	-1559.17	-1084.89	-160.48
5	102	23	1.50	-0.63	1.26	-0.38	0.68	519.13	-259.17	343.93	-83.98	-325.06
5	102	24	1.35	-0.38	1.32	-0.35	0.22	-1333.49	-2382.42	-2376.28	-1339.63	80.03
5	102	25	1.52	3.13e-02	1.49	6.30e-02	0.21	1184.06	9.86	1002.08	191.84	424.93
5	102	26	1.40	6.77e-02	1.40	6.80e-02	-1.79e-02	1324.46	175.61	1234.43	265.63	-308.74
5	102	27	0.49	-0.57	0.49	-0.56	7.89e-02	-1298.91	-2188.34	-2168.99	-1318.27	-129.76
5	102	28	-0.14	-0.72	-0.32	-0.54	-0.27	-227.91	-624.53	-356.02	-496.41	185.47
5	102	29	8.12e-02	-0.89	-0.80	-4.65e-03	0.28	386.17	161.74	184.50	363.41	67.75
5	102	30	2.72e-02	-0.85	-0.39	-0.44	0.44	459.23	-300.36	255.20	-96.33	-336.68
5	102	31	0.96	-0.53	0.94	-0.52	-0.15	-1578.01	-2879.12	-2860.96	-1596.16	152.61
5	102	32	2.32	2.54e-02	2.31	3.44e-02	0.14	1256.34	-274.77	828.87	152.71	686.86
5	102	33	2.72	0.14	2.71	0.15	0.14	1198.76	-36.65	1128.17	33.94	286.74
5	102	34	5.12	-1.95	3.80	-0.63	2.76	953.76	-29.66	950.50	-26.40	56.52
5	102	35	7.12	-3.08	-2.02	6.05	3.12	-309.79	-395.99	-354.37	-351.41	43.07
5	102	36	0.67	-1.84	-1.47	0.30	-0.89	1010.53	176.52	1002.91	184.14	-79.36
5	102	37	-7.68e-02	-1.37	-1.37	-8.06e-02	6.99e-02	328.20	313.91	328.06	314.04	1.40
5	102	38	15.17	-0.44	-0.16	14.89	-2.08	30.14	-131.34	16.65	-117.85	44.69
5	102	55	3.90	0.63	3.89	0.64	0.15	1027.37	-78.85	1026.23	-77.71	35.57
5	102	56	0.55	-0.40	0.52	-0.36	-0.17	146.61	-164.52	86.11	-104.03	-123.14
5	102	57	1.14	-0.39	0.77	-2.03e-02	0.65	212.03	-1993.30	-1992.01	210.75	53.23
5	102	58	2.21	6.73e-02	2.21	6.76e-02	2.42e-02	1051.30	-127.21	1009.94	-85.84	216.89

5	102	59	1.96	-2.59e-02	1.96	-2.31e-02	-7.34e-02	1347.99	-90.78	1327.14	-69.93	-171.96
5	102	66	0.11	-0.76	-8.46e-02	-0.56	0.36	494.01	98.04	98.05	494.01	0.21
5	102	71	5.01	-1.73	2.76	0.52	3.18	859.06	-150.73	847.89	-139.57	105.58
5	102	88	0.61	-0.40	0.18	2.63e-02	-0.50	214.44	-1553.62	-1553.10	213.92	-30.28
5	102	89	0.32	-0.85	0.24	-0.77	0.30	512.73	-278.63	-144.15	378.25	-297.21
5	102	90	-0.28	-0.65	-0.55	-0.38	-0.17	-90.82	-681.00	-677.77	-94.05	-43.56
5	102	91	0.44	0.22	0.44	0.22	-1.55e-02	1060.69	-49.56	1060.05	-48.92	26.53
5	102	92	2.05	-3.79	-0.14	-1.60	2.82	-781.85	-1600.49	-876.85	-1505.50	262.19
5	102	93	-1.56	-2.34	-1.56	-2.34	-5.40e-02	500.07	274.76	274.83	500.00	3.99
5	102	97	7.19	-1.26	-0.31	6.24	-2.67	150.85	-1311.92	139.87	-1300.94	126.29
5	102	100	10.77	0.86	10.59	1.04	1.33	954.28	-132.25	896.76	-74.74	243.28
5	102	101	-0.35	-9.96	-0.35	-9.96	3.74e-02	1127.45	-30.89	-30.88	1127.44	3.33
5	102	103	15.67	-0.45	-0.17	15.39	2.12	36.95	-106.15	10.01	-79.22	-55.94
5	102	111	-0.29	-0.87	-0.80	-0.36	-0.19	44.08	-199.46	-36.91	-118.47	-114.74
5	102	113	1.45	-1.01	0.46	-1.83e-02	1.21	258.79	-2399.96	-2396.16	254.99	100.47
5	102	129	62.94	7.76	62.93	7.77	0.91	-380.98	-1044.88	-1016.40	-409.46	-134.52
5	102	131	3.52	4.08e-03	3.51	7.38e-03	-0.11	951.13	-194.24	844.43	-87.54	332.90
5	102	132	3.45	-0.15	3.44	-0.14	-0.16	1169.99	-35.84	1155.26	-21.11	132.45
5	102	133	1.91e-02	-1.66	-1.36	-0.28	0.64	990.09	-38.97	990.08	-38.96	-2.96
5	102	134	10.93	0.86	10.88	0.91	-0.71	92.24	-247.40	-246.83	91.67	-13.85
5	102	135	2.52	6.11e-02	2.50	7.66e-02	0.19	146.65	-1316.40	-1313.40	143.66	66.11
5	102	136	2.85	0.30	2.50	0.65	0.88	988.52	173.13	982.71	178.95	68.61
5	102	144	26.92	-0.80	26.92	-0.80	-0.15	880.69	-49.08	875.26	-43.65	70.85
5	102	152	0.71	4.42e-03	0.59	0.12	0.26	552.59	-69.69	256.18	226.72	310.80
5	102	155	5.83	-5.73	-4.53	4.62	3.54	516.56	252.82	271.80	497.58	-68.16
5	102	169	0.96	-3.75	-1.00	-1.79	2.32	-88.21	-142.42	-104.35	-126.27	24.79
5	102	170	0.21	-0.60	-0.41	1.87e-02	0.34	365.36	116.61	116.61	365.36	9.15e-02
5	102	171	8.90	-12.63	-10.11	6.38	-6.93	543.21	275.11	453.02	365.29	126.67
5	102	172	2.98	-1.34	0.64	1.01	2.15	365.63	204.99	345.26	225.36	53.46
5	102	174	12.35	-22.70	-19.37	9.01	10.28	-158.47	-754.26	-739.51	-173.23	-92.60
5	102	175	5.70e-02	-1.21	-1.14	-4.69e-03	0.27	591.34	67.18	491.70	166.82	205.67
5	102	182	-0.19	-0.79	-0.54	-0.44	0.30	557.31	40.26	42.29	555.29	32.31
5	102	186	-0.12	-0.86	-0.44	-0.54	0.37	526.49	70.25	70.27	526.47	-2.75
5	102	189	7.35e-02	-0.61	-0.16	-0.37	0.32	512.79	63.93	63.93	512.79	0.39
5	102	193	9.47	-15.27	-13.36	7.56	6.60	448.66	152.23	369.50	231.39	-131.14
5	102	207	0.66	-0.71	0.50	-0.55	0.44	781.59	-178.67	-162.87	765.79	-122.15
5	102	208	0.74	-2.30e-02	0.64	7.61e-02	0.26	591.52	65.18	490.15	166.55	-207.56
5	102	209	0.40	-0.75	0.40	-0.74	8.13e-02	558.61	-234.92	-188.74	512.43	185.77
5	102	210	1.42e-02	-0.57	-2.34e-02	-0.54	0.14	395.09	279.65	383.16	291.58	35.14
5	102	211	-0.21	-2.28	-2.28	-0.22	-9.01e-02	-1329.46	-2372.86	-2366.46	-1335.86	-81.48
5	102	212	-1.98	-21.18	-20.61	-2.55	3.26	-98.16	-742.19	-737.37	-102.98	-55.54
5	102	230	-3.35e-02	-8.21	-3.37e-02	-8.21	-3.64e-02	1055.36	120.35	120.39	1055.32	6.41
5	102	232	12.33	-4.81	10.43	-2.92	-5.38	970.99	-19.43	903.93	47.63	248.84
5	102	234	0.80	-0.60	0.66	-0.46	-0.42	840.08	-418.86	-403.75	824.97	137.09
5	102	249	1.03	-0.11	0.92	3.30e-03	-0.34	723.53	-315.23	266.92	141.38	515.57
5	102	250	1.49	-0.52	1.33	-0.36	-0.54	794.83	28.12	757.42	65.54	165.18
5	102	251	4.92	-1.72	2.80	0.40	-3.10	855.10	-135.05	837.44	-117.39	-131.06
5	102	252	2.15	-3.42	-6.30e-02	-1.20	-2.72	-724.38	-1508.33	-841.70	-1391.01	-279.66
5	102	262	1.58	-7.87	1.24	-7.53	-1.76	950.89	-145.03	103.49	702.37	458.90
5	102	265	5.77	-4.85	-0.85	1.77	-5.14	639.36	-3.42	14.12	621.82	104.73
5	102	269	8.58	-11.19	-9.11	6.50	6.07	551.30	243.10	435.57	358.83	-149.25
5	102	272	1.27	-2.12	-1.88	1.04	-0.87	512.95	81.76	83.69	511.01	28.81
5	102	273	2.93	-3.53	-2.88	2.28	-1.95	483.45	186.23	186.91	482.76	14.24
5	102	287	5.97	-7.04	-5.62	4.54	-4.06	520.02	270.39	284.84	505.57	58.29
5	102	288	7.82	-1.13	-0.27	6.96	2.64	143.86	-1208.09	130.83	-1195.06	-132.09
5	102	289	7.63e-02	-0.71	-0.21	-0.42	0.38	471.57	70.57	70.57	471.57	0.21
5	102	290	1.56	-1.19	-0.75	1.12	1.01	510.05	78.60	80.71	507.95	-30.07
5	102	291	3.05	-2.42	-1.75	2.38	1.80	477.82	181.41	182.48	476.75	-17.77
5	102	292	0.44	-1.13	-1.13	0.44	-8.51e-03	1039.14	-79.96	1037.45	-78.28	-43.40
5	102	293	-0.85	-4.07	-4.07	-0.86	-0.12	163.20	-159.81	108.06	-104.67	121.54
5	102	294	0.29	-2.96	-2.84	0.17	-0.62	212.26	-1993.73	-1992.70	211.22	-47.84
5	102	295	-0.21	-1.89	-1.89	-0.21	4.59e-02	1050.53	-128.32	1008.03	-85.83	-219.76
5	102	296	-1.39e-02	-1.19	-1.18	-1.77e-02	-6.74e-02	1346.82	-90.76	1326.62	-70.55	169.24
5	102	297	0.27	-1.78	-1.66	0.15	0.49	214.78	-1545.25	-1544.49	214.01	36.73
5	102	298	-0.70	-2.84	-2.78	-0.76	0.35	-91.47	-698.21	-695.11	-94.57	43.24
5	102	299	0.35	-0.92	-0.92	0.34	-9.79e-02	1058.70	-49.50	1057.96	-48.76	-28.62
5	102	300	-0.35	-1.56	-1.55	-0.37	0.12	49.78	-191.93	-24.67	-117.48	111.59
5	102	301	1.12	-1.19	-8.84e-02	2.18e-02	-1.15	256.80	-2400.26	-2396.96	253.50	-93.59
5	102	302	3.36	-2.57e-02	3.36	-2.39e-02	7.93e-02	937.21	-197.44	826.61	-86.84	-336.54
5	102	303	3.79	-9.62e-02	3.79	-9.25e-02	0.12	1153.55	-37.35	1136.91	-20.71	-139.77
5	102	304	0.24	-1.18	-0.71	-0.23	-0.67	974.20	-36.78	974.06	-36.65	-11.83
5	102	305	10.84	0.90	10.79	0.94	0.69	86.88	-203.03	-202.71	86.57	9.55
5	102	306	1.01	-0.24	0.70	6.36e-02	0.53	776.66	-220.12	-214.22	770.76	76.47
5	102	307	-4.17e-02	-0.91	-0.35	-0.60	0.42	516.06	130.78	131.09	515.74	10.96
5	102	308	0.92	-3.71	-1.05	-1.74	-2.29	-85.34	-142.36	-103.22	-124.48	-26.46
5	102	311	0.13	-0.84	-0.27	-0.45	0.47	552.78	42.57	44.57	550.78	31.88
5	102	325	0.18	-14.99	0.13	-14.94	0.82	706.93	-145.14	-87.93	649.71	213.26
5	102	326	0.33	-0.65	0.12	-0.44	0.40	557.61	39.88	41.85	555.64	-31.87
5	102	327	0.41	-0.32	6.08e-02	3.68e-02	0.37	386.34	161.45	184.35	363.45	-68.00
5	102	328	0.28	-0.67	0.15	-0.54	0.33	526.85	70.76	70.78	526.83	3.34

5	102	329	0.19	-0.70	0.11	-0.61	0.27	516.81	130.88	131.20	516.50	-10.97
5	102	330	-4.54	-25.16	-25.13	-4.57	-0.81	-103.06	-779.06	-779.05	-103.07	-2.57
5	102	331	0.75	-15.47	-13.69	-1.04	5.07	90.85	-321.66	-281.06	50.25	-122.88
5	102	332	4.06	-1.59	2.79	-0.32	-2.36	-1041.95	-1591.99	-1544.59	-1089.35	154.35
5	102	336	-0.32	-0.77	-0.38	-0.71	0.16	509.44	-275.92	-140.21	373.73	296.93
5	102	337	7.34	-17.85	-17.84	7.32	-0.69	344.68	244.16	342.14	246.70	-15.78
5	102	338	7.39	-13.44	-13.42	7.38	-0.49	449.09	350.17	447.69	351.57	-11.66
5	102	339	5.69	-7.30	-7.30	5.68	-0.29	452.24	323.50	323.71	452.03	-5.24
5	102	340	-0.51	-2.64	-2.47	-0.68	-0.58	529.64	-250.17	357.92	-78.45	323.14
5	102	343	12.29	-23.85	-19.50	7.95	-11.75	-178.72	-869.12	-857.83	-190.01	87.58
5	102	344	-0.21	-1.71	-1.71	-0.21	-7.43e-02	1186.64	9.21	1002.60	193.25	-427.58
5	102	345	-1.35	-22.64	-21.33	-2.66	-5.11	-110.10	-806.43	-802.76	-113.77	50.41
5	102	347	1.10e-02	-1.42	-1.40	-1.02e-02	0.17	1322.22	176.55	1233.50	265.27	306.22
5	102	348	-0.48	-1.52	-1.52	-0.48	4.66e-02	-1301.01	-2197.01	-2177.96	-1320.05	129.23
5	102	349	-0.63	-2.10	-2.00	-0.73	0.37	-239.35	-629.49	-367.65	-501.19	-183.29
5	102	350	0.40	-0.79	-0.21	-0.18	0.60	597.19	-25.49	-21.47	593.17	-49.87
5	102	365	0.10	-0.52	6.87e-02	-0.49	0.14	554.43	42.14	44.07	552.50	-31.37
5	102	366	2.84	0.22	2.83	0.23	-6.84e-02	1190.36	-49.79	1111.97	28.60	-301.78
5	102	367	7.38e-02	-0.25	4.31e-02	-0.22	-9.55e-02	599.28	-24.92	-20.81	595.17	50.48
5	102	368	16.30	-11.82	0.49	4.00	-13.95	571.56	38.51	494.50	115.57	187.45
5	102	373	-0.32	-1.27	-1.19	-0.40	-0.27	458.27	-298.30	256.97	-97.00	334.33
5	102	376	0.49	-0.54	0.42	-0.47	0.26	-1577.88	-2875.79	-2857.07	-1596.60	-154.75
5	102	378	2.15	4.49e-02	2.15	4.53e-02	-2.86e-02	1253.72	-285.54	819.44	148.73	-692.73
5	102	379	0.60	-0.85	-0.38	0.13	0.68	476.05	87.86	188.22	375.69	-169.96
5	102	383	5.41	-1.89	4.10	-0.58	-2.80	935.40	-43.53	927.42	-35.55	-88.02
5	102	386	31.20	-0.92	31.20	-0.92	0.23	862.58	-50.82	854.11	-42.36	-87.51
5	102	387	15.11	1.46	14.89	1.68	-1.71	897.83	-135.45	832.11	-69.73	-252.17
5	102	389	7.32	-3.07	-1.87	6.13	-3.31	-223.43	-370.31	-294.28	-299.46	-73.40
5	102	393	0.41	-1.16	-0.55	-0.19	0.76	453.21	217.95	446.88	224.28	-38.04
5	102	395	67.45	8.41	67.41	8.45	-1.54	-324.23	-811.53	-799.45	-336.31	75.74
5	102	397	0.28	-0.41	-0.21	7.10e-02	-0.32	479.03	90.48	189.55	379.96	169.35
5	102	398	6.31	-5.35e-02	6.31	-5.30e-02	-5.68e-02	143.59	-1324.58	-1322.36	141.38	-57.02
5	102	399	0.18	-1.02	-1.00	0.16	0.14	432.02	118.22	153.96	396.28	-99.69
5	102	414	0.26	-0.94	-0.42	-0.27	-0.60	452.51	228.16	446.57	234.10	36.03
5	102	415	1.82e-02	-0.31	-0.29	4.83e-03	6.46e-02	960.47	136.11	958.83	137.75	36.72
5	102	417	0.69	-2.22	-1.59	6.37e-02	-1.19	484.77	-217.21	-63.74	331.30	290.14
5	102	418	0.47	-0.25	-5.37e-03	0.23	0.35	431.20	118.41	154.45	395.16	99.87
5	102	424	16.43	-9.82	2.39	4.22	13.09	585.15	11.74	480.49	116.40	-221.50
5	102	425	6.44	-3.09	1.52	1.83	4.76	627.77	-27.68	-8.21	608.30	-111.27
5	102	427	1.89	-0.98	0.72	0.19	1.41	481.43	-228.50	-73.50	326.42	-293.28
5	102	431	0.90	-0.57	-0.27	0.60	0.59	552.25	-7.45	-6.45	551.25	23.55
5	102	435	0.16	-14.35	0.12	-14.31	-0.72	740.92	-137.59	-85.22	688.55	-208.00
5	102	439	0.10	-0.73	-0.14	-0.49	0.38	474.82	79.57	79.57	474.82	0.27
5	102	454	-1.12	-2.07	-1.57	-1.62	0.47	595.19	-5.73	392.17	197.29	-284.22
5	102	455	8.79e-02	-0.48	-0.27	-0.12	0.27	505.06	49.60	49.60	505.06	0.47
5	102	456	1.52	-7.44	1.22	-7.14	1.63	966.40	-127.84	104.67	733.88	-447.62
5	102	457	2.12	-3.06	-1.71	0.77	-2.28	376.17	207.41	349.20	234.38	-61.84
5	102	461	1.48	-1.74	-1.74	1.48	6.01e-02	476.07	87.88	87.88	476.07	-0.22
5	102	462	15.26	-1.73	14.11	-0.57	4.27	1133.36	-195.00	867.04	71.31	-531.83
5	102	465	2.96	-3.29	-3.29	2.96	-8.78e-02	468.01	168.82	168.82	468.00	-1.27
5	102	466	12.33	-2.42	10.88	-0.97	-4.39	1167.22	-169.86	919.70	77.67	519.32
5	102	470	0.85	-1.10	-1.09	0.83	0.16	471.32	53.57	53.57	471.32	0.15
5	102	483	-0.54	-0.84	-0.82	-0.57	7.76e-02	781.57	-176.00	-159.94	765.52	122.95
5	102	500	10.79	-7.76	-0.16	3.19	-9.12	721.99	-107.62	456.29	158.08	387.08
5	102	501	4.09e-02	-1.70	-1.69	3.01e-02	0.14	958.63	135.07	956.68	137.02	-40.05
5	102	503	-0.33	-1.18	-0.79	-0.72	0.42	558.23	-237.07	-191.69	512.85	-184.47
5	102	538	14.59	-4.21	13.19	-2.82	4.93	944.30	-37.63	864.33	42.33	-268.56
5	102	539	-0.29	-1.16	-0.91	-0.54	0.39	395.34	277.03	382.17	290.20	-37.21
5	102	540	0.59	-1.41	-1.37	0.55	-0.30	554.06	-6.23	-5.24	553.06	-23.60
5	102	543	0.75	-0.93	0.22	-0.40	0.78	836.74	-421.98	-406.96	821.72	-136.68
5	102	547	9.88	-16.74	-14.21	7.35	-7.80	428.79	184.04	377.01	235.83	99.97
5	102	549	0.71	-13.96	-12.28	-0.97	-4.68	101.91	-373.01	-332.27	61.17	132.99
5	102	553	5.75e-02	-1.50	-1.44	-8.07e-04	-0.30	778.82	-217.65	-211.74	772.91	-76.52
5	102	554	11.21	-6.06	1.78	3.38	8.60	712.52	-143.68	417.95	150.89	-406.74
5	102	555	0.22	-0.79	-0.75	0.18	0.18	381.59	172.83	172.83	381.59	0.53
5	104	2	2.71e-02	-1.27	-1.26	2.06e-02	9.13e-02	552.95	-70.59	253.40	228.97	-311.53
5	104	18	-1.07	-2.30	-1.77	-1.60	-0.61	591.29	-26.71	394.94	169.64	287.73
5	104	19	1.10	-0.33	0.70	7.09e-02	0.65	720.76	-326.81	259.83	134.11	-520.00
5	104	20	1.51	-0.55	1.21	-0.24	0.73	794.51	11.00	752.90	52.62	-175.71
5	104	21	0.35	-0.64	-0.56	0.27	0.27	382.66	102.80	102.80	382.66	0.26
5	104	22	7.37	-1.12	6.71	-0.46	2.27	-1036.62	-1603.32	-1552.81	-1087.13	-161.47
5	104	23	1.58	-0.62	1.35	-0.38	0.68	519.36	-258.54	344.94	-84.12	-324.44
5	104	24	1.43	-0.38	1.41	-0.35	0.22	-1332.97	-2381.51	-2375.33	-1339.15	80.29
5	104	25	1.59	3.69e-02	1.56	6.78e-02	0.22	1183.57	9.94	1001.74	191.76	424.66
5	104	26	1.46	6.87e-02	1.46	6.89e-02	-1.62e-02	1324.32	175.50	1234.13	265.69	-309.00
5	104	27	0.55	-0.57	0.54	-0.56	7.96e-02	-1298.75	-2187.57	-2168.20	-1318.13	-129.78
5	104	28	-0.10	-0.70	-0.27	-0.54	-0.27	-226.71	-624.13	-354.89	-495.95	185.77
5	104	29	8.71e-02	-0.87	-0.78	-5.43e-03	0.28	386.11	161.34	184.12	363.33	67.84
5	104	30	4.56e-02	-0.84	-0.36	-0.44	0.44	458.96	-300.51	254.93	-96.48	-336.64
5	104	31	0.98	-0.53	0.97	-0.52	-0.15	-1578.05	-2879.41	-2861.27	-1596.19	152.61

5	104	32	2.34	2.63e-02	2.33	3.57e-02	0.15	1256.21	-274.58	828.88	152.75	686.69
5	104	33	2.72	0.14	2.72	0.15	0.14	1198.57	-36.48	1128.11	33.98	286.46
5	104	34	5.12	-1.95	3.79	-0.63	2.75	953.35	-29.60	950.13	-26.38	56.17
5	104	35	7.11	-3.08	-2.02	6.05	3.11	-311.44	-396.32	-355.76	-352.00	42.40
5	104	36	0.68	-1.83	-1.45	0.31	-0.90	1015.13	176.83	1007.40	184.56	-80.16
5	104	37	-7.60e-02	-1.36	-1.36	-8.00e-02	7.15e-02	328.08	313.86	327.93	314.00	1.44
5	104	38	15.15	-0.44	-0.16	14.87	-2.08	30.04	-131.47	16.71	-118.14	44.45
5	104	55	4.01	0.64	4.01	0.65	0.15	1030.39	-78.93	1029.23	-77.76	35.86
5	104	56	0.63	-0.39	0.60	-0.36	-0.18	146.24	-164.49	85.76	-104.02	-123.02
5	104	57	1.20	-0.38	0.85	-2.44e-02	0.66	211.97	-1991.69	-1990.37	210.65	54.07
5	104	58	2.30	7.21e-02	2.30	7.24e-02	2.27e-02	1051.22	-127.11	1009.96	-85.84	216.61
5	104	59	2.03	-2.61e-02	2.02	-2.32e-02	-7.79e-02	1347.73	-90.79	1326.80	-69.86	-172.23
5	104	66	0.14	-0.76	-5.85e-02	-0.56	0.37	494.01	98.08	98.08	494.01	0.22
5	104	71	5.01	-1.73	2.76	0.52	3.18	858.61	-151.10	847.49	-139.98	105.38
5	104	88	0.63	-0.38	0.22	2.39e-02	-0.50	214.39	-1554.67	-1554.18	213.90	-29.54
5	104	89	0.36	-0.86	0.27	-0.77	0.31	512.74	-278.90	-144.55	378.38	-297.17
5	104	90	-0.26	-0.60	-0.49	-0.37	-0.16	-90.74	-679.26	-676.02	-93.99	-43.58
5	104	91	0.48	0.21	0.48	0.21	-1.96e-02	1060.80	-49.55	1060.17	-48.93	26.38
5	104	92	2.04	-3.78	-0.14	-1.61	2.82	-783.22	-1601.04	-877.67	-1506.60	261.38
5	104	93	-1.55	-2.34	-1.55	-2.34	-5.53e-02	500.00	274.46	274.54	499.93	4.09
5	104	97	7.18	-1.26	-0.31	6.23	-2.67	150.84	-1312.66	139.92	-1301.74	125.92
5	104	100	11.06	0.89	10.87	1.07	1.36	972.10	-132.14	915.58	-75.62	243.36
5	104	101	-0.34	-9.95	-0.34	-9.95	3.83e-02	1127.08	-30.87	-30.86	1127.07	3.41
5	104	103	15.67	-0.45	-0.17	15.39	2.12	37.01	-105.68	9.91	-78.58	-55.96
5	104	111	-0.28	-0.85	-0.77	-0.36	-0.19	43.29	-200.05	-38.25	-118.51	-114.86
5	104	113	1.47	-1.01	0.48	-1.96e-02	1.21	258.87	-2399.66	-2395.80	255.02	101.19
5	104	129	64.60	7.96	64.59	7.98	0.94	-392.89	-1093.63	-1062.74	-423.78	-143.84
5	104	131	3.54	5.74e-03	3.54	9.14e-03	-0.11	951.63	-194.07	845.11	-87.56	332.70
5	104	132	3.46	-0.15	3.45	-0.14	-0.16	1170.06	-35.78	1155.37	-21.09	132.28
5	104	133	1.61e-02	-1.67	-1.37	-0.28	0.64	989.49	-38.98	989.48	-38.97	-3.17
5	104	134	10.93	0.86	10.88	0.91	-0.71	92.29	-248.66	-248.09	91.73	-13.87
5	104	135	2.64	5.94e-02	2.62	7.78e-02	0.22	147.21	-1309.99	-1306.82	144.04	67.82
5	104	136	2.96	0.33	2.62	0.66	0.88	992.64	173.38	986.76	179.26	69.16
5	104	144	27.60	-0.82	27.60	-0.82	-0.15	889.78	-49.24	884.61	-44.07	69.47
5	104	152	0.77	1.30e-02	0.66	0.13	0.27	552.33	-69.60	256.19	226.54	310.61
5	104	155	5.97	-5.75	-4.51	4.73	3.60	520.43	263.16	282.70	500.89	-68.16
5	104	169	0.96	-3.75	-1.00	-1.79	2.33	-88.20	-142.33	-104.26	-126.28	24.72
5	104	170	0.22	-0.57	-0.37	1.86e-02	0.35	365.27	116.25	116.25	365.27	9.35e-02
5	104	171	9.14	-12.79	-10.20	6.56	-7.07	555.26	283.60	469.18	369.68	126.40
5	104	172	3.07	-1.31	0.73	1.04	2.18	368.78	205.36	348.08	226.06	54.36
5	104	174	12.70	-23.25	-19.79	9.24	10.61	-165.33	-789.85	-775.43	-179.75	-93.79
5	104	175	5.82e-02	-1.19	-1.13	-6.25e-03	0.28	591.08	66.87	491.19	166.77	205.88
5	104	182	-0.17	-0.79	-0.52	-0.44	0.31	557.32	40.15	42.18	555.29	32.30
5	104	186	-0.10	-0.86	-0.42	-0.54	0.37	526.48	70.27	70.28	526.47	-2.78
5	104	189	9.52e-02	-0.61	-0.14	-0.37	0.33	512.78	63.95	63.95	512.78	0.40
5	104	193	9.74	-15.46	-13.52	7.79	6.73	457.39	157.38	380.08	234.70	-131.21
5	104	207	0.71	-0.71	0.55	-0.55	0.45	781.55	-179.07	-163.31	765.78	-122.05
5	104	208	0.79	-2.10e-02	0.70	7.64e-02	0.26	591.27	64.83	489.60	166.50	-207.81
5	104	209	0.44	-0.75	0.44	-0.74	8.86e-02	558.59	-234.77	-188.49	512.31	185.95
5	104	210	5.22e-02	-0.58	1.23e-02	-0.54	0.15	395.10	279.77	383.28	291.59	34.99
5	104	211	-0.21	-2.29	-2.28	-0.21	-8.76e-02	-1328.85	-2371.74	-2365.28	-1335.30	-81.78
5	104	212	-1.78	-21.54	-20.94	-2.38	3.39	-103.60	-775.76	-771.07	-108.29	-55.97
5	104	230	-3.02e-02	-8.20	-3.04e-02	-8.20	-3.73e-02	1055.05	120.19	120.23	1055.01	6.57
5	104	232	12.67	-4.93	10.73	-2.99	-5.51	984.02	-18.32	917.43	48.28	249.63
5	104	234	0.82	-0.59	0.68	-0.46	-0.41	840.13	-418.70	-403.56	824.99	137.22
5	104	249	1.04	-0.10	0.94	4.25e-03	-0.33	723.61	-314.92	267.29	141.40	515.43
5	104	250	1.50	-0.51	1.34	-0.36	-0.53	794.65	28.30	757.33	65.63	164.96
5	104	251	4.92	-1.71	2.80	0.40	-3.09	854.57	-135.06	836.79	-117.27	-131.47
5	104	252	2.14	-3.40	-6.25e-02	-1.20	-2.72	-724.39	-1506.66	-841.68	-1389.38	-279.27
5	104	262	1.58	-7.87	1.24	-7.53	-1.76	950.18	-145.21	103.21	701.75	458.70
5	104	265	5.92	-4.88	-0.79	1.83	-5.24	642.63	6.84	24.63	624.85	104.84
5	104	269	8.82	-11.31	-9.18	6.69	6.19	563.05	251.36	451.34	363.07	-149.47
5	104	272	1.30	-2.09	-1.84	1.06	-0.88	513.31	82.46	84.34	511.43	28.39
5	104	273	3.00	-3.52	-2.85	2.33	-1.99	484.97	189.68	190.32	484.33	13.78
5	104	287	6.12	-7.09	-5.63	4.66	-4.14	523.86	281.22	296.03	509.06	58.07
5	104	288	7.83	-1.13	-0.27	6.97	2.64	143.68	-1206.35	130.68	-1193.35	-131.87
5	104	289	0.11	-0.71	-0.18	-0.42	0.39	471.58	70.49	70.49	471.58	0.22
5	104	290	1.60	-1.15	-0.69	1.14	1.02	510.34	79.24	81.29	508.29	-29.67
5	104	291	3.13	-2.38	-1.69	2.44	1.83	479.22	184.77	185.80	478.19	-17.39
5	104	292	0.45	-1.13	-1.13	0.45	-1.04e-02	1042.41	-80.06	1040.70	-78.35	-43.87
5	104	293	-0.86	-4.10	-4.09	-0.86	-0.12	163.20	-159.67	108.20	-104.67	121.38
5	104	294	0.29	-2.97	-2.84	0.17	-0.62	212.19	-1992.13	-1991.06	211.12	-48.55
5	104	295	-0.21	-1.90	-1.90	-0.21	4.90e-02	1050.43	-128.24	1008.01	-85.83	-219.54
5	104	296	-1.39e-02	-1.20	-1.19	-1.76e-02	-6.60e-02	1346.53	-90.77	1326.27	-70.51	169.45
5	104	297	0.27	-1.78	-1.66	0.15	0.48	214.74	-1546.10	-1545.36	214.00	36.13
5	104	298	-0.70	-2.83	-2.77	-0.76	0.35	-91.41	-696.86	-693.76	-94.51	43.25
5	104	299	0.35	-0.91	-0.91	0.34	-9.63e-02	1058.77	-49.49	1058.03	-48.76	-28.52
5	104	300	-0.35	-1.56	-1.54	-0.37	0.13	49.08	-192.31	-25.73	-117.49	111.63
5	104	301	1.13	-1.19	-7.70e-02	2.14e-02	-1.16	256.84	-2399.95	-2396.61	253.50	-94.15
5	104	302	3.38	-2.47e-02	3.38	-2.28e-02	8.05e-02	937.38	-197.35	826.88	-86.84	-336.42

5	104	303	3.80	-9.61e-02	3.80	-9.23e-02	0.12	1153.22	-37.33	1136.58	-20.69	-139.77
5	104	304	0.24	-1.17	-0.70	-0.23	-0.67	973.21	-36.75	973.06	-36.60	-11.98
5	104	305	10.84	0.90	10.79	0.94	0.69	86.81	-203.24	-202.93	86.50	9.47
5	104	306	1.07	-0.22	0.78	7.15e-02	0.54	776.51	-219.92	-213.95	770.54	76.89
5	104	307	-2.24e-02	-0.91	-0.33	-0.60	0.42	516.04	130.82	131.14	515.73	10.98
5	104	308	0.92	-3.71	-1.05	-1.74	-2.29	-85.27	-142.27	-103.09	-124.44	-26.43
5	104	311	0.14	-0.84	-0.25	-0.45	0.48	552.77	42.56	44.56	550.77	31.87
5	104	325	0.18	-14.98	0.13	-14.94	0.82	706.13	-145.12	-87.92	648.92	213.13
5	104	326	0.37	-0.65	0.16	-0.44	0.41	557.62	39.76	41.73	555.65	-31.85
5	104	327	0.45	-0.30	0.11	3.70e-02	0.37	386.29	161.04	183.96	363.38	-68.09
5	104	328	0.32	-0.67	0.18	-0.54	0.34	526.86	70.78	70.81	526.83	3.38
5	104	329	0.23	-0.70	0.14	-0.61	0.28	516.82	130.93	131.24	516.51	-10.99
5	104	330	-4.39	-25.57	-25.53	-4.42	-0.83	-108.23	-812.48	-812.47	-108.24	-2.64
5	104	331	0.77	-15.89	-14.06	-1.06	5.21	92.87	-332.75	-291.80	51.91	-125.52
5	104	332	4.19	-1.59	2.91	-0.31	-2.40	-1043.01	-1586.60	-1537.92	-1091.69	155.21
5	104	336	-0.30	-0.77	-0.37	-0.71	0.16	509.37	-276.13	-140.51	373.75	296.88
5	104	337	7.57	-18.09	-18.07	7.55	-0.71	355.30	247.93	352.82	250.41	-16.12
5	104	338	7.59	-13.59	-13.58	7.58	-0.50	464.83	354.78	463.53	356.09	-11.91
5	104	339	5.83	-7.34	-7.34	5.82	-0.29	455.74	334.69	334.93	455.51	-5.35
5	104	340	-0.51	-2.64	-2.47	-0.68	-0.58	530.11	-249.36	359.24	-78.48	322.48
5	104	343	12.65	-24.41	-19.91	8.15	-12.11	-185.80	-907.29	-896.22	-196.87	88.69
5	104	344	-0.21	-1.71	-1.71	-0.21	-7.34e-02	1186.21	9.27	1002.27	193.20	-427.38
5	104	345	-1.14	-23.04	-21.68	-2.50	-5.28	-115.74	-841.37	-837.81	-119.30	50.70
5	104	347	1.07e-02	-1.42	-1.40	-1.10e-02	0.18	1322.02	176.46	1233.17	265.32	306.42
5	104	348	-0.48	-1.51	-1.51	-0.48	4.88e-02	-1300.90	-2196.43	-2177.37	-1319.96	129.24
5	104	349	-0.63	-2.09	-1.99	-0.73	0.37	-238.43	-629.21	-366.78	-500.85	-183.53
5	104	350	0.42	-0.79	-0.19	-0.18	0.60	597.14	-25.46	-21.43	593.12	-49.90
5	104	365	0.13	-0.52	9.48e-02	-0.49	0.15	554.45	42.12	44.05	552.53	-31.34
5	104	366	2.85	0.22	2.84	0.23	-6.80e-02	1189.97	-49.93	1111.52	28.52	-301.85
5	104	367	8.93e-02	-0.25	6.41e-02	-0.22	-8.88e-02	599.28	-24.87	-20.76	595.16	50.52
5	104	368	16.76	-12.00	0.61	4.15	-14.27	580.25	42.13	505.55	116.83	186.06
5	104	373	-0.31	-1.27	-1.18	-0.40	-0.27	457.97	-298.41	256.74	-97.17	334.24
5	104	376	0.50	-0.54	0.43	-0.47	0.26	-1577.92	-2876.01	-2857.28	-1596.65	-154.80
5	104	378	2.17	4.65e-02	2.17	4.68e-02	-2.88e-02	1253.52	-285.61	819.24	148.68	-692.69
5	104	379	0.61	-0.84	-0.36	0.13	0.68	475.96	87.85	188.25	375.56	-169.96
5	104	383	5.41	-1.88	4.10	-0.57	-2.80	934.55	-43.80	926.50	-35.74	-88.43
5	104	386	32.01	-0.95	32.00	-0.95	0.24	871.18	-50.94	863.00	-42.75	-86.49
5	104	387	15.50	1.51	15.28	1.73	-1.75	914.23	-135.21	849.51	-70.50	-252.44
5	104	389	7.31	-3.06	-1.87	6.12	-3.30	-223.05	-370.01	-294.24	-298.82	-73.44
5	104	393	0.41	-1.15	-0.54	-0.19	0.76	453.07	217.79	446.76	224.10	-38.02
5	104	395	69.25	8.63	69.21	8.67	-1.58	-335.14	-854.87	-840.99	-349.02	83.80
5	104	397	0.28	-0.40	-0.19	7.13e-02	-0.31	479.01	90.53	189.61	379.93	169.34
5	104	398	6.52	-5.58e-02	6.52	-5.49e-02	-7.62e-02	144.06	-1318.31	-1315.96	141.71	-58.53
5	104	399	0.19	-0.98	-0.97	0.17	0.14	431.76	117.89	153.60	396.06	-99.66
5	104	414	0.26	-0.93	-0.41	-0.27	-0.59	452.36	228.23	446.43	234.16	35.96
5	104	415	2.17e-02	-0.27	-0.25	4.41e-03	6.86e-02	960.60	136.14	958.98	137.76	36.51
5	104	417	0.71	-2.20	-1.56	7.20e-02	-1.20	484.57	-215.92	-63.00	331.65	289.37
5	104	418	0.50	-0.22	5.15e-02	0.23	0.35	430.92	118.09	154.09	394.91	99.84
5	104	424	16.89	-9.96	2.56	4.38	13.39	593.70	15.20	491.24	117.67	-220.86
5	104	425	6.62	-3.09	1.64	1.88	4.86	630.81	-17.96	1.82	611.03	-111.53
5	104	427	1.97	-0.96	0.80	0.20	1.43	481.15	-227.46	-72.98	326.67	-292.58
5	104	431	0.94	-0.53	-0.21	0.62	0.60	552.18	-7.61	-6.60	551.17	23.78
5	104	435	0.16	-14.33	0.12	-14.30	-0.72	740.93	-137.39	-85.14	688.68	-207.75
5	104	439	0.13	-0.73	-0.11	-0.49	0.39	474.83	79.57	79.57	474.83	0.27
5	104	454	-1.11	-2.07	-1.56	-1.62	0.47	594.92	-5.61	391.71	197.61	-284.15
5	104	455	0.10	-0.47	-0.26	-0.12	0.28	505.03	49.63	49.63	505.03	0.48
5	104	456	1.53	-7.43	1.22	-7.13	1.62	966.07	-127.63	104.43	734.01	-447.15
5	104	457	2.18	-3.06	-1.67	0.78	-2.31	379.55	207.83	352.10	235.27	-62.93
5	104	461	1.51	-1.69	-1.69	1.51	6.21e-02	476.52	88.43	88.43	476.52	-0.23
5	104	462	15.68	-1.75	14.51	-0.58	4.37	1148.16	-192.54	883.98	71.64	-533.29
5	104	465	3.02	-3.26	-3.26	3.02	-8.92e-02	469.54	172.29	172.29	469.54	-1.30
5	104	466	12.66	-2.46	11.19	-0.99	-4.48	1183.00	-167.08	937.79	78.14	520.51
5	104	470	0.86	-1.05	-1.04	0.85	0.16	471.30	53.28	53.28	471.30	0.15
5	104	483	-0.54	-0.83	-0.80	-0.57	8.38e-02	781.53	-176.34	-160.31	765.50	122.87
5	104	500	11.08	-7.84	-6.13e-02	3.30	-9.31	734.09	-100.61	472.97	160.51	387.00
5	104	501	4.13e-02	-1.69	-1.67	3.03e-02	0.14	958.71	135.07	956.77	137.01	-39.91
5	104	503	-0.32	-1.17	-0.78	-0.72	0.42	558.20	-236.98	-191.52	512.74	-184.61
5	104	538	14.98	-4.32	13.56	-2.89	5.05	956.61	-36.78	876.95	42.87	-269.78
5	104	539	-0.29	-1.15	-0.90	-0.54	0.39	395.36	277.09	382.27	290.18	-37.11
5	104	540	0.61	-1.38	-1.33	0.56	-0.30	554.03	-6.37	-5.36	553.02	-23.83
5	104	543	0.77	-0.93	0.23	-0.40	0.79	836.71	-421.90	-406.85	821.66	-136.80
5	104	547	10.16	-16.97	-14.39	7.57	-7.96	437.54	189.45	387.76	239.24	99.36
5	104	549	0.73	-14.34	-12.62	-1.00	-4.80	104.24	-385.30	-344.14	63.08	135.86
5	104	553	6.55e-02	-1.48	-1.42	5.71e-03	-0.30	778.72	-217.40	-211.42	772.74	-76.94
5	104	554	11.52	-6.11	1.92	3.49	8.78	724.07	-137.12	433.79	153.15	-407.09
5	104	555	0.22	-0.77	-0.74	0.18	0.19	381.53	172.83	172.84	381.53	0.55
5	105	2	2.31e-02	-1.30	-1.30	1.70e-02	8.92e-02	533.51	-72.11	244.78	216.62	-302.48
5	105	18	-1.03	-2.23	-1.73	-1.53	-0.59	576.71	-30.66	382.35	163.71	283.33
5	105	19	1.03	-0.33	0.64	6.19e-02	0.62	696.49	-318.80	252.63	125.06	-503.62
5	105	20	1.44	-0.53	1.15	-0.24	0.70	771.83	7.17	732.84	46.16	-168.20

5	105	21	0.33	-0.69	-0.62	0.26	0.26	367.81	99.36	99.36	367.81	0.25
5	105	22	7.06	-1.10	6.41	-0.45	2.20	-1008.32	-1560.92	-1513.54	-1055.71	-154.72
5	105	23	1.46	-0.61	1.23	-0.37	0.66	503.50	-252.27	334.34	-83.11	-315.01
5	105	24	1.31	-0.37	1.28	-0.34	0.22	-1295.94	-2311.86	-2305.91	-1301.90	77.57
5	105	25	1.46	3.03e-02	1.43	6.16e-02	0.21	1148.86	7.43	972.16	184.13	412.88
5	105	26	1.34	6.54e-02	1.34	6.56e-02	-1.65e-02	1285.17	168.38	1197.71	255.84	-300.04
5	105	27	0.46	-0.55	0.45	-0.55	7.70e-02	-1262.61	-2123.51	-2104.94	-1281.18	-125.08
5	105	28	-0.15	-0.70	-0.32	-0.53	-0.26	-221.55	-607.19	-345.38	-483.37	180.06
5	105	29	7.67e-02	-0.91	-0.82	-6.11e-03	0.27	370.37	155.65	178.04	347.98	65.62
5	105	30	1.45e-02	-0.84	-0.40	-0.43	0.43	445.36	-292.87	247.66	-95.17	-326.90
5	105	31	0.90	-0.51	0.88	-0.50	-0.14	-1533.13	-2793.22	-2775.73	-1550.62	147.41
5	105	32	2.21	2.15e-02	2.20	3.13e-02	0.15	1220.07	-266.29	807.15	146.64	665.77
5	105	33	2.58	0.14	2.57	0.14	0.14	1166.71	-35.62	1099.66	31.43	275.90
5	105	34	4.95	-1.92	3.63	-0.60	2.71	929.60	-29.77	926.90	-27.06	50.83
5	105	35	6.95	-3.04	-2.02	5.93	3.02	-313.82	-391.04	-355.16	-349.70	38.51
5	105	36	0.66	-1.83	-1.48	0.30	-0.87	982.41	169.60	974.75	177.26	-78.53
5	105	37	-6.99e-02	-1.34	-1.34	-7.37e-02	6.90e-02	318.07	303.21	317.94	303.34	1.39
5	105	38	14.87	-0.44	-0.16	14.59	-2.04	29.37	-130.69	16.96	-118.27	42.81
5	105	55	3.82	0.62	3.81	0.63	0.15	998.51	-76.68	997.36	-75.52	35.21
5	105	56	0.54	-0.39	0.50	-0.36	-0.17	142.93	-159.41	84.57	-101.04	-119.33
5	105	57	1.09	-0.38	0.74	-1.95e-02	0.63	205.86	-1934.14	-1932.90	204.61	51.61
5	105	58	2.14	6.56e-02	2.14	6.58e-02	2.35e-02	1020.44	-123.57	980.22	-83.35	210.70
5	105	59	1.89	-2.57e-02	1.89	-2.30e-02	-7.11e-02	1308.60	-88.17	1288.33	-67.91	-167.03
5	105	66	9.25e-02	-0.75	-0.11	-0.55	0.36	475.60	94.22	94.22	475.60	0.21
5	105	71	4.89	-1.69	2.68	0.53	3.11	836.39	-152.72	824.66	-140.98	107.09
5	105	88	0.57	-0.39	0.15	2.65e-02	-0.48	208.20	-1507.55	-1507.07	207.71	-28.94
5	105	89	0.30	-0.84	0.21	-0.75	0.30	492.71	-272.34	-140.95	361.33	-288.54
5	105	90	-0.27	-0.64	-0.55	-0.37	-0.16	-88.26	-660.02	-656.87	-91.41	-42.34
5	105	91	0.41	0.21	0.41	0.21	-1.52e-02	1029.56	-48.11	1028.94	-47.50	25.69
5	105	92	2.02	-3.62	-0.16	-1.44	2.75	-766.80	-1568.70	-860.99	-1474.50	258.19
5	105	93	-1.51	-2.25	-1.52	-2.25	-5.35e-02	487.46	264.80	264.87	487.39	3.95
5	105	97	7.19	-1.22	-0.30	6.27	-2.62	147.69	-1284.19	136.83	-1273.32	124.26
5	105	100	10.65	0.85	10.47	1.03	1.31	932.32	-128.03	877.33	-73.05	235.11
5	105	101	-0.34	-9.60	-0.34	-9.60	3.70e-02	1104.44	-30.30	-30.29	1104.43	3.29
5	105	103	15.37	-0.45	-0.17	15.09	2.08	35.55	-105.23	10.39	-80.07	-53.93
5	105	111	-0.29	-0.87	-0.80	-0.35	-0.18	43.25	-193.63	-35.34	-115.05	-111.53
5	105	113	1.39	-0.99	0.42	-1.63e-02	1.17	251.29	-2328.26	-2324.58	247.61	97.35
5	105	129	62.16	7.61	62.14	7.63	0.93	-378.19	-1036.26	-1006.38	-408.07	-137.01
5	105	131	3.36	1.35e-03	3.36	4.63e-03	-0.10	926.10	-188.06	823.08	-85.03	322.76
5	105	132	3.28	-0.15	3.27	-0.14	-0.16	1140.39	-34.62	1126.40	-20.63	127.47
5	105	133	-6.64e-03	-1.75	-1.48	-0.28	0.63	965.21	-38.43	965.18	-38.40	-5.11
5	105	134	10.74	0.85	10.69	0.90	-0.69	91.24	-249.64	-249.05	90.65	-14.14
5	105	135	2.48	5.91e-02	2.46	7.57e-02	0.20	142.60	-1277.25	-1274.34	139.69	64.22
5	105	136	2.80	0.30	2.45	0.64	0.86	960.62	166.28	954.78	172.12	67.89
5	105	144	26.62	-0.79	26.62	-0.79	-0.15	859.43	-47.55	854.58	-42.69	66.19
5	105	152	0.68	-1.70e-03	0.56	0.12	0.26	532.92	-71.17	247.47	214.28	301.59
5	105	155	5.76	-5.68	-4.50	4.57	3.49	498.12	245.45	263.79	479.77	-65.57
5	105	169	0.95	-3.69	-0.99	-1.75	2.29	-87.06	-140.12	-102.56	-124.62	24.13
5	105	170	0.20	-0.61	-0.43	1.73e-02	0.34	350.80	112.37	112.37	350.80	9.05e-02
5	105	171	8.79	-12.50	-10.01	6.30	-6.84	526.13	267.69	441.02	352.80	121.46
5	105	172	2.93	-1.32	0.61	1.00	2.12	353.94	193.62	334.10	213.47	52.80
5	105	174	12.12	-22.45	-19.14	8.81	10.17	-154.05	-734.13	-719.82	-168.37	-90.00
5	105	175	5.25e-02	-1.22	-1.16	-7.03e-03	0.27	571.53	60.23	475.65	156.10	199.57
5	105	182	-0.19	-0.80	-0.56	-0.43	0.30	536.13	38.04	40.04	534.13	31.47
5	105	186	-0.13	-0.86	-0.46	-0.53	0.36	506.21	67.07	67.09	506.19	-2.66
5	105	189	5.98e-02	-0.61	-0.18	-0.37	0.32	493.87	61.19	61.19	493.87	0.38
5	105	193	9.34	-15.09	-13.21	7.47	6.51	434.88	148.61	359.60	223.89	-126.03
5	105	207	0.63	-0.70	0.47	-0.54	0.43	752.41	-175.05	-159.66	737.01	-118.50
5	105	208	0.70	-2.90e-02	0.60	7.29e-02	0.25	571.70	58.27	474.12	155.84	-201.44
5	105	209	0.37	-0.73	0.36	-0.73	8.35e-02	536.30	-229.72	-184.60	491.19	180.34
5	105	210	-4.50e-03	-0.56	-4.58e-02	-0.52	0.15	381.58	265.95	370.50	277.03	34.04
5	105	211	-0.20	-2.29	-2.28	-0.21	-8.95e-02	-1291.96	-2302.41	-2296.19	-1298.17	-79.00
5	105	212	-1.91	-20.95	-20.38	-2.49	3.25	-93.76	-717.15	-712.39	-98.52	-54.23
5	105	230	-3.12e-02	-7.92	-3.14e-02	-7.91	-3.60e-02	1033.33	116.59	116.63	1033.29	6.34
5	105	232	12.19	-4.76	10.30	-2.87	-5.33	945.93	-17.24	883.27	45.43	237.55
5	105	234	0.75	-0.58	0.62	-0.45	-0.40	809.39	-406.94	-392.28	794.73	132.73
5	105	249	0.97	-0.11	0.87	-2.44e-03	-0.32	699.25	-307.31	259.84	132.10	499.21
5	105	250	1.42	-0.50	1.28	-0.35	-0.51	772.03	23.80	737.11	58.72	157.82
5	105	251	4.80	-1.67	2.72	0.42	-3.03	832.71	-137.44	814.32	-119.05	-132.29
5	105	252	2.13	-3.26	-8.76e-02	-1.04	-2.65	-709.77	-1477.74	-826.23	-1361.28	-275.46
5	105	262	1.55	-7.58	1.21	-7.25	-1.72	931.19	-143.96	99.83	687.40	450.20
5	105	265	5.69	-4.80	-0.87	1.76	-5.08	616.30	-2.60	14.20	599.50	100.57
5	105	269	8.48	-11.07	-9.02	6.43	5.99	533.98	236.17	423.75	346.40	-143.79
5	105	272	1.26	-2.11	-1.88	1.03	-0.85	493.37	78.48	80.34	491.51	27.70
5	105	273	2.90	-3.51	-2.87	2.25	-1.93	465.26	180.07	180.70	464.63	13.40
5	105	287	5.90	-6.98	-5.57	4.50	-4.01	501.54	262.85	276.70	487.69	55.80
5	105	288	7.81	-1.09	-0.26	6.98	2.59	140.80	-1181.52	127.89	-1168.62	-129.99
5	105	289	5.93e-02	-0.71	-0.24	-0.41	0.37	453.85	67.72	67.72	453.85	0.21
5	105	290	1.54	-1.20	-0.77	1.11	0.99	490.51	75.36	77.39	488.48	-28.95
5	105	291	3.02	-2.41	-1.75	2.36	1.77	459.69	175.32	176.32	458.68	-16.89

5	105	292	0.44	-1.15	-1.15	0.44	-1.01e-02	1010.16	-77.78	1008.47	-76.09	-42.96
5	105	293	-0.84	-4.03	-4.03	-0.84	-0.12	159.39	-154.78	106.28	-101.68	117.74
5	105	294	0.28	-2.94	-2.83	0.16	-0.60	206.08	-1934.58	-1933.58	205.07	-46.28
5	105	295	-0.20	-1.92	-1.92	-0.21	4.57e-02	1019.67	-124.67	978.33	-83.34	-213.54
5	105	296	-1.39e-02	-1.22	-1.22	-1.77e-02	-6.81e-02	1307.45	-88.16	1287.82	-68.53	164.34
5	105	297	0.26	-1.78	-1.66	0.15	0.47	208.54	-1499.28	-1498.55	207.81	35.32
5	105	298	-0.69	-2.81	-2.75	-0.74	0.35	-88.90	-677.04	-674.02	-91.92	42.02
5	105	299	0.34	-0.93	-0.93	0.34	-9.68e-02	1027.59	-48.05	1026.88	-47.34	-27.75
5	105	300	-0.35	-1.56	-1.55	-0.36	0.12	48.90	-186.20	-23.23	-114.07	108.42
5	105	301	1.07	-1.17	-0.13	2.33e-02	-1.12	249.33	-2328.55	-2325.37	246.15	-90.55
5	105	302	3.21	-2.81e-02	3.21	-2.63e-02	7.68e-02	912.32	-191.21	805.46	-84.34	-326.36
5	105	303	3.61	-9.40e-02	3.61	-9.03e-02	0.12	1124.11	-36.09	1108.25	-20.24	-134.70
5	105	304	0.19	-1.25	-0.83	-0.23	-0.65	949.42	-36.21	949.33	-36.12	-9.52
5	105	305	10.65	0.88	10.60	0.93	0.67	85.94	-205.75	-205.42	85.60	9.89
5	105	306	0.97	-0.24	0.67	6.78e-02	0.53	747.95	-214.59	-208.80	742.15	74.47
5	105	307	-5.81e-02	-0.90	-0.38	-0.58	0.41	496.01	125.83	126.13	495.71	10.62
5	105	308	0.90	-3.65	-1.04	-1.71	-2.25	-84.23	-140.05	-101.44	-122.84	-25.78
5	105	311	0.11	-0.83	-0.29	-0.44	0.46	531.75	40.31	42.28	529.79	31.04
5	105	325	0.17	-14.51	0.13	-14.47	0.81	692.29	-142.36	-86.15	636.08	209.18
5	105	326	0.31	-0.64	9.27e-02	-0.43	0.40	536.42	37.67	39.61	534.48	-31.03
5	105	327	0.39	-0.33	3.19e-02	3.49e-02	0.36	370.54	155.36	177.88	348.02	-65.87
5	105	328	0.25	-0.66	0.12	-0.53	0.32	506.57	67.57	67.60	506.54	3.25
5	105	329	0.17	-0.69	7.85e-02	-0.59	0.27	496.76	125.93	126.23	496.46	-10.63
5	105	330	-4.45	-24.88	-24.85	-4.48	-0.80	-98.24	-751.59	-751.58	-98.25	-2.56
5	105	331	0.74	-15.24	-13.48	-1.02	5.00	90.04	-317.25	-277.19	49.97	-121.29
5	105	332	4.00	-1.57	2.74	-0.31	-2.33	-1014.51	-1544.73	-1499.12	-1060.12	148.66
5	105	336	-0.34	-0.76	-0.41	-0.69	0.16	489.48	-269.67	-137.05	356.85	288.26
5	105	337	7.25	-17.65	-17.63	7.23	-0.68	336.00	237.21	333.47	239.74	-15.61
5	105	338	7.30	-13.29	-13.28	7.29	-0.48	436.93	339.03	435.55	340.41	-11.53
5	105	339	5.63	-7.24	-7.23	5.62	-0.28	436.69	314.01	314.23	436.47	-5.18
5	105	340	-0.50	-2.62	-2.46	-0.67	-0.57	513.91	-243.38	348.18	-77.65	313.12
5	105	343	12.06	-23.59	-19.28	7.75	-11.62	-174.05	-847.73	-836.82	-184.96	85.03
5	105	344	-0.21	-1.73	-1.73	-0.21	-7.04e-02	1151.41	6.79	972.67	185.53	-415.51
5	105	345	-1.30	-22.40	-21.09	-2.60	-5.08	-105.58	-780.64	-777.04	-109.18	49.15
5	105	347	8.36e-03	-1.45	-1.43	-1.17e-02	0.17	1282.96	169.31	1196.79	255.49	297.55
5	105	348	-0.47	-1.53	-1.52	-0.47	4.68e-02	-1264.68	-2132.08	-2113.81	-1282.95	124.56
5	105	349	-0.63	-2.08	-1.99	-0.72	0.36	-232.88	-612.10	-356.88	-488.10	-177.89
5	105	350	0.38	-0.78	-0.22	-0.18	0.58	574.94	-25.41	-21.51	571.03	-48.26
5	105	365	8.18e-02	-0.52	4.50e-02	-0.48	0.14	533.38	39.88	41.78	531.48	-30.54
5	105	366	2.70	0.22	2.69	0.22	-7.64e-02	1158.31	-48.53	1083.64	26.15	-290.77
5	105	367	4.92e-02	-0.25	2.33e-02	-0.22	-8.40e-02	577.00	-24.85	-20.85	573.01	48.86
5	105	368	16.08	-11.68	0.44	3.96	-13.77	552.54	37.38	481.16	108.76	177.98
5	105	373	-0.31	-1.27	-1.19	-0.39	-0.26	444.42	-290.84	249.42	-95.84	324.58
5	105	376	0.43	-0.52	0.37	-0.45	0.25	-1533.00	-2789.92	-2771.88	-1551.05	-149.53
5	105	378	2.04	4.15e-02	2.04	4.21e-02	-3.26e-02	1217.47	-276.93	797.83	142.70	-671.57
5	105	379	0.57	-0.83	-0.38	0.12	0.65	458.37	84.90	182.66	360.61	-164.17
5	105	383	5.23	-1.86	3.93	-0.55	-2.75	911.17	-43.21	904.08	-36.11	-81.98
5	105	386	30.85	-0.91	30.85	-0.91	0.24	841.37	-49.16	833.63	-41.41	-82.67
5	105	387	14.93	1.45	14.71	1.66	-1.68	876.36	-131.09	813.37	-68.10	-243.90
5	105	389	7.15	-3.02	-1.88	6.01	-3.21	-228.52	-365.55	-295.74	-298.33	-68.50
5	105	393	0.39	-1.13	-0.54	-0.19	0.74	439.41	209.19	433.91	214.69	-35.17
5	105	395	66.60	8.26	66.56	8.30	-1.55	-322.45	-805.04	-791.78	-335.70	78.86
5	105	397	0.25	-0.40	-0.21	6.28e-02	-0.30	461.31	87.50	183.98	364.83	163.58
5	105	398	6.22	-5.29e-02	6.22	-5.22e-02	-6.39e-02	139.58	-1285.34	-1283.20	137.43	-55.23
5	105	399	0.18	-1.03	-1.02	0.16	0.14	414.95	113.30	148.37	379.88	-96.69
5	105	414	0.25	-0.92	-0.41	-0.26	-0.58	438.73	219.27	433.60	224.41	33.18
5	105	415	1.82e-02	-0.32	-0.31	4.98e-03	6.53e-02	931.68	130.12	930.10	131.70	35.53
5	105	417	0.68	-2.20	-1.60	7.19e-02	-1.17	465.60	-212.03	-62.51	316.08	281.00
5	105	418	0.46	-0.27	-3.37e-02	0.22	0.34	414.14	113.48	148.85	378.77	96.87
5	105	424	16.20	-9.71	2.32	4.18	12.92	565.54	11.32	467.29	109.57	-211.66
5	105	425	6.35	-3.06	1.48	1.81	4.70	604.83	-26.59	-7.89	586.13	-107.04
5	105	427	1.85	-0.97	0.68	0.20	1.39	462.29	-223.20	-72.17	311.26	-284.11
5	105	431	0.89	-0.59	-0.30	0.60	0.59	531.32	-8.20	-7.22	530.33	23.04
5	105	435	0.16	-13.88	0.12	-13.85	-0.70	725.89	-134.87	-83.46	674.48	-203.98
5	105	439	8.49e-02	-0.72	-0.16	-0.48	0.37	457.04	76.44	76.44	457.04	0.26
5	105	454	-1.08	-2.00	-1.53	-1.55	0.46	580.28	-10.34	379.22	190.72	-279.86
5	105	455	7.87e-02	-0.48	-0.28	-0.12	0.27	486.50	47.51	47.51	486.50	0.46
5	105	456	1.50	-7.16	1.20	-6.86	1.58	946.53	-126.97	101.00	718.56	-439.04
5	105	457	2.09	-3.04	-1.71	0.76	-2.25	364.30	196.09	337.99	222.40	-61.10
5	105	461	1.47	-1.74	-1.74	1.47	5.89e-02	458.52	84.47	84.47	458.52	-0.22
5	105	462	15.07	-1.71	13.93	-0.56	4.23	1102.44	-187.90	846.50	68.03	-514.53
5	105	465	2.93	-3.27	-3.27	2.93	-8.73e-02	451.09	163.20	163.20	451.08	-1.26
5	105	466	12.17	-2.39	10.74	-0.96	-4.34	1136.09	-163.17	898.60	74.32	502.16
5	105	470	0.84	-1.11	-1.10	0.83	0.16	453.74	51.15	51.15	453.74	0.15
5	105	483	-0.53	-0.86	-0.84	-0.55	7.96e-02	752.39	-172.41	-156.76	736.74	119.29
5	105	500	10.65	-7.67	-0.18	3.16	-9.01	699.21	-104.15	445.43	149.63	373.46
5	105	501	4.03e-02	-1.69	-1.68	2.99e-02	0.13	929.85	129.09	927.97	130.98	-38.82
5	105	503	-0.34	-1.17	-0.81	-0.70	0.41	535.93	-231.84	-187.53	491.61	-179.05
5	105	538	14.41	-4.16	13.02	-2.77	4.89	919.25	-34.99	844.08	40.19	-257.06
5	105	539	-0.29	-1.16	-0.93	-0.52	0.38	381.80	263.40	369.53	275.66	-36.08

5	105	540	0.59	-1.42	-1.38	0.55	-0.29	533.11	-7.00	-6.01	532.12	-23.08
5	105	543	0.71	-0.91	0.18	-0.39	0.76	806.08	-410.03	-395.46	791.51	-132.32
5	105	547	9.75	-16.54	-14.05	7.26	-7.70	415.45	179.88	367.04	228.29	95.19
5	105	549	0.70	-13.76	-12.09	-0.96	-4.61	100.98	-368.05	-327.85	60.78	131.30
5	105	553	6.11e-02	-1.51	-1.45	4.04e-03	-0.29	750.09	-212.15	-206.34	744.28	-74.53
5	105	554	11.06	-5.99	1.73	3.35	8.49	689.65	-139.64	407.50	142.51	-392.91
5	105	555	0.21	-0.77	-0.74	0.17	0.18	367.39	167.47	167.47	367.39	0.53
5	106	2	2.52e-02	-1.28	-1.28	1.89e-02	9.07e-02	533.26	-72.04	244.72	216.50	-302.32
5	106	18	-1.02	-2.23	-1.72	-1.53	-0.60	576.35	-31.02	381.96	163.37	283.34
5	106	19	1.04	-0.33	0.65	6.44e-02	0.62	696.51	-318.76	252.84	124.91	-503.59
5	106	20	1.45	-0.53	1.16	-0.24	0.70	771.64	6.94	732.64	45.94	-168.24
5	106	21	0.34	-0.65	-0.58	0.26	0.26	367.61	98.91	98.91	367.60	0.26
5	106	22	7.27	-1.10	6.62	-0.45	2.24	-1009.25	-1555.88	-1507.18	-1057.95	-155.72
5	106	23	1.55	-0.60	1.32	-0.37	0.67	503.73	-251.65	335.35	-83.26	-314.39
5	106	24	1.39	-0.37	1.36	-0.34	0.22	-1295.43	-2310.96	-2304.96	-1301.43	77.83
5	106	25	1.53	3.59e-02	1.50	6.64e-02	0.21	1148.38	7.51	971.82	184.06	412.62
5	106	26	1.40	6.63e-02	1.40	6.64e-02	-1.48e-02	1285.03	168.27	1197.41	255.90	-300.30
5	106	27	0.51	-0.55	0.51	-0.55	7.78e-02	-1262.45	-2122.73	-2104.14	-1281.04	-125.10
5	106	28	-0.11	-0.68	-0.27	-0.52	-0.25	-220.36	-606.80	-344.25	-482.91	180.35
5	106	29	8.24e-02	-0.88	-0.79	-6.88e-03	0.28	370.31	155.24	177.65	347.90	65.70
5	106	30	3.26e-02	-0.83	-0.37	-0.43	0.43	445.09	-293.02	247.39	-95.33	-326.86
5	106	31	0.92	-0.52	0.91	-0.50	-0.14	-1533.17	-2793.51	-2776.03	-1550.65	147.41
5	106	32	2.22	2.24e-02	2.21	3.25e-02	0.15	1219.94	-266.10	807.17	146.68	665.60
5	106	33	2.59	0.13	2.58	0.14	0.15	1166.52	-35.45	1099.60	31.47	275.62
5	106	34	4.95	-1.92	3.63	-0.60	2.70	929.19	-29.71	926.53	-27.04	50.48
5	106	35	6.94	-3.04	-2.03	5.93	3.01	-315.46	-391.39	-356.55	-350.30	37.84
5	106	36	0.67	-1.82	-1.45	0.30	-0.88	987.02	169.91	979.25	177.68	-79.32
5	106	37	-6.91e-02	-1.33	-1.32	-7.30e-02	7.05e-02	317.95	303.16	317.81	303.30	1.42
5	106	38	14.86	-0.44	-0.16	14.58	-2.04	29.28	-130.82	17.02	-118.57	42.57
5	106	55	3.94	0.63	3.93	0.64	0.15	1001.53	-76.75	1000.36	-75.58	35.51
5	106	56	0.61	-0.38	0.58	-0.35	-0.17	142.56	-159.38	84.22	-101.03	-119.21
5	106	57	1.16	-0.37	0.82	-2.35e-02	0.64	205.79	-1932.54	-1931.25	204.51	52.45
5	106	58	2.22	7.04e-02	2.22	7.06e-02	2.20e-02	1020.36	-123.47	980.24	-83.35	210.42
5	106	59	1.96	-2.60e-02	1.95	-2.31e-02	-7.56e-02	1308.34	-88.18	1288.00	-67.84	-167.31
5	106	66	0.12	-0.75	-8.31e-02	-0.55	0.37	475.60	94.25	94.25	475.60	0.21
5	106	71	4.89	-1.68	2.68	0.53	3.11	835.94	-153.09	824.25	-141.40	106.89
5	106	88	0.59	-0.37	0.20	2.41e-02	-0.48	208.16	-1508.61	-1508.15	207.69	-28.19
5	106	89	0.33	-0.84	0.24	-0.75	0.31	492.72	-272.61	-141.35	361.45	-288.50
5	106	90	-0.25	-0.60	-0.49	-0.36	-0.16	-88.18	-658.28	-655.12	-91.34	-42.36
5	106	91	0.45	0.21	0.45	0.21	-1.94e-02	1029.67	-48.11	1029.06	-47.50	25.54
5	106	92	2.01	-3.62	-0.16	-1.44	2.74	-768.17	-1569.24	-861.81	-1475.60	257.38
5	106	93	-1.51	-2.25	-1.51	-2.24	-5.49e-02	487.40	264.50	264.58	487.33	4.04
5	106	97	7.18	-1.22	-0.30	6.26	-2.62	147.68	-1284.92	136.89	-1274.13	123.89
5	106	100	10.94	0.88	10.75	1.06	1.35	950.16	-127.94	896.15	-73.93	235.19
5	106	101	-0.34	-9.59	-0.34	-9.59	3.79e-02	1104.07	-30.28	-30.27	1104.06	3.37
5	106	103	15.37	-0.44	-0.17	15.09	2.09	35.61	-104.75	10.30	-79.44	-53.96
5	106	111	-0.28	-0.85	-0.78	-0.35	-0.19	42.46	-194.22	-36.68	-115.09	-111.66
5	106	113	1.41	-0.99	0.44	-1.76e-02	1.18	251.38	-2327.95	-2324.22	247.64	98.07
5	106	129	63.81	7.82	63.80	7.83	0.96	-390.07	-1085.03	-1052.72	-422.39	-146.33
5	106	131	3.38	3.02e-03	3.38	6.39e-03	-0.11	926.60	-187.89	823.76	-85.05	322.56
5	106	132	3.28	-0.15	3.27	-0.14	-0.16	1140.47	-34.57	1126.51	-20.62	127.30
5	106	133	-9.44e-03	-1.76	-1.49	-0.28	0.63	964.60	-38.44	964.58	-38.41	-5.31
5	106	134	10.75	0.85	10.70	0.90	-0.70	91.29	-250.90	-250.31	90.71	-14.16
5	106	135	2.60	5.73e-02	2.58	7.69e-02	0.22	143.16	-1270.84	-1267.76	140.08	65.93
5	106	136	2.90	0.32	2.57	0.66	0.87	964.74	166.52	958.83	172.43	68.44
5	106	144	27.31	-0.81	27.31	-0.81	-0.16	868.53	-47.72	863.93	-43.11	64.80
5	106	152	0.74	7.36e-03	0.62	0.12	0.27	532.66	-71.08	247.48	214.11	301.41
5	106	155	5.90	-5.70	-4.48	4.68	3.56	502.00	255.78	274.70	483.09	-65.57
5	106	169	0.95	-3.69	-0.99	-1.75	2.29	-87.05	-140.04	-102.46	-124.63	24.06
5	106	170	0.21	-0.59	-0.39	1.72e-02	0.34	350.70	112.01	112.01	350.70	9.26e-02
5	106	171	9.03	-12.65	-10.10	6.49	-6.98	538.27	276.09	457.17	357.19	121.19
5	106	172	3.02	-1.29	0.70	1.03	2.15	357.10	193.99	336.92	214.17	53.70
5	106	174	12.47	-23.00	-19.56	9.03	10.49	-160.90	-769.72	-755.74	-174.89	-91.20
5	106	175	5.37e-02	-1.21	-1.15	-8.59e-03	0.27	571.26	59.93	475.14	156.05	199.78
5	106	182	-0.17	-0.79	-0.54	-0.43	0.30	536.13	37.93	39.93	534.14	31.46
5	106	186	-0.11	-0.86	-0.44	-0.53	0.37	506.20	67.09	67.10	506.18	-2.69
5	106	189	8.13e-02	-0.61	-0.16	-0.37	0.33	493.87	61.22	61.22	493.87	0.39
5	106	193	9.61	-15.29	-13.37	7.69	6.64	443.65	153.73	370.18	227.20	-126.10
5	106	207	0.67	-0.70	0.51	-0.54	0.44	752.37	-175.46	-160.09	737.00	-118.41
5	106	208	0.76	-2.67e-02	0.66	7.31e-02	0.26	571.44	57.92	473.57	155.79	-201.69
5	106	209	0.41	-0.73	0.40	-0.73	9.08e-02	536.29	-229.57	-184.36	491.07	180.52
5	106	210	3.34e-02	-0.57	-1.01e-02	-0.52	0.16	381.60	266.06	370.62	277.04	33.88
5	106	211	-0.20	-2.29	-2.28	-0.21	-8.69e-02	-1291.35	-2301.29	-2295.02	-1297.62	-79.30
5	106	212	-1.72	-21.31	-20.71	-2.32	3.38	-99.20	-750.72	-746.10	-103.82	-54.66
5	106	230	-2.79e-02	-7.91	-2.81e-02	-7.91	-3.69e-02	1033.02	116.43	116.47	1032.98	6.50
5	106	232	12.53	-4.87	10.60	-2.94	-5.46	958.99	-16.15	896.77	46.07	238.34
5	106	234	0.77	-0.58	0.64	-0.45	-0.39	809.44	-406.78	-392.09	794.75	132.86
5	106	249	0.98	-9.94e-02	0.89	-1.50e-03	-0.31	699.33	-307.00	260.22	132.11	499.07
5	106	250	1.43	-0.50	1.29	-0.35	-0.51	771.85	23.98	737.02	58.81	157.60
5	106	251	4.80	-1.67	2.72	0.42	-3.02	832.18	-137.45	813.67	-118.93	-132.70

5	106	252	2.12	-3.25	-8.71e-02	-1.04	-2.64	-709.78	-1476.08	-826.21	-1359.65	-275.08
5	106	262	1.55	-7.58	1.22	-7.25	-1.72	930.48	-144.14	99.56	686.77	450.00
5	106	265	5.85	-4.84	-0.80	1.81	-5.18	619.57	7.67	24.71	602.53	100.68
5	106	269	8.71	-11.19	-9.10	6.62	6.11	545.80	244.37	439.52	350.64	-144.01
5	106	272	1.29	-2.09	-1.85	1.05	-0.86	493.73	79.18	80.99	491.93	27.28
5	106	273	2.97	-3.50	-2.84	2.30	-1.96	466.78	183.52	184.11	466.19	12.94
5	106	287	6.05	-7.02	-5.59	4.61	-4.09	505.39	273.68	287.88	491.18	55.59
5	106	288	7.82	-1.09	-0.26	6.99	2.59	140.62	-1179.78	127.74	-1166.90	-129.77
5	106	289	8.89e-02	-0.70	-0.20	-0.41	0.38	453.86	67.64	67.64	453.86	0.21
5	106	290	1.58	-1.15	-0.71	1.14	1.01	490.80	76.00	77.97	488.83	-28.55
5	106	291	3.09	-2.37	-1.69	2.41	1.80	461.08	178.67	179.63	460.12	-16.51
5	106	292	0.44	-1.15	-1.15	0.44	-1.20e-02	1013.44	-77.89	1011.71	-76.15	-43.43
5	106	293	-0.84	-4.06	-4.06	-0.85	-0.12	159.39	-154.65	106.42	-101.68	117.59
5	106	294	0.28	-2.95	-2.83	0.16	-0.60	206.01	-1932.98	-1931.94	204.98	-46.99
5	106	295	-0.21	-1.93	-1.93	-0.21	4.88e-02	1019.57	-124.59	978.31	-83.33	-213.32
5	106	296	-1.39e-02	-1.23	-1.23	-1.76e-02	-6.67e-02	1307.15	-88.16	1287.47	-68.48	164.55
5	106	297	0.26	-1.77	-1.66	0.15	0.46	208.49	-1500.13	-1499.42	207.79	34.72
5	106	298	-0.68	-2.80	-2.74	-0.74	0.35	-88.84	-675.69	-672.67	-91.87	42.03
5	106	299	0.34	-0.92	-0.92	0.33	-9.52e-02	1027.65	-48.05	1026.94	-47.34	-27.66
5	106	300	-0.35	-1.55	-1.54	-0.36	0.12	48.20	-186.58	-24.30	-114.08	108.47
5	106	301	1.08	-1.17	-0.12	2.29e-02	-1.12	249.36	-2328.24	-2325.01	246.14	-91.11
5	106	302	3.23	-2.70e-02	3.22	-2.52e-02	7.81e-02	912.49	-191.11	805.72	-84.34	-326.24
5	106	303	3.62	-9.39e-02	3.62	-9.02e-02	0.12	1123.78	-36.07	1107.92	-20.21	-134.71
5	106	304	0.19	-1.24	-0.82	-0.23	-0.65	948.43	-36.17	948.34	-36.07	-9.67
5	106	305	10.65	0.88	10.61	0.93	0.67	85.87	-205.96	-205.63	85.54	9.81
5	106	306	1.04	-0.22	0.74	7.57e-02	0.54	747.80	-214.39	-208.53	741.94	74.89
5	106	307	-3.90e-02	-0.90	-0.36	-0.58	0.41	496.00	125.87	126.17	495.69	10.64
5	106	308	0.90	-3.65	-1.04	-1.71	-2.25	-84.16	-139.96	-101.31	-122.81	-25.75
5	106	311	0.12	-0.83	-0.27	-0.44	0.47	531.74	40.30	42.27	529.77	31.03
5	106	325	0.17	-14.51	0.13	-14.47	0.81	691.48	-142.33	-86.13	635.28	209.05
5	106	326	0.34	-0.64	0.13	-0.43	0.40	536.43	37.55	39.49	534.49	-31.01
5	106	327	0.43	-0.31	8.11e-02	3.51e-02	0.37	370.48	154.95	177.50	347.94	-65.96
5	106	328	0.29	-0.66	0.15	-0.53	0.33	506.57	67.60	67.62	506.54	3.29
5	106	329	0.20	-0.69	0.11	-0.59	0.28	496.77	125.97	126.28	496.46	-10.65
5	106	330	-4.29	-25.29	-25.26	-4.33	-0.82	-103.41	-785.02	-785.01	-103.42	-2.62
5	106	331	0.75	-15.67	-13.86	-1.05	5.14	92.05	-328.34	-287.93	51.64	-123.93
5	106	332	4.13	-1.57	2.86	-0.31	-2.37	-1015.57	-1539.33	-1492.45	-1062.46	149.52
5	106	336	-0.32	-0.76	-0.39	-0.69	0.16	489.41	-269.89	-137.35	356.87	288.21
5	106	337	7.48	-17.88	-17.86	7.46	-0.70	346.62	240.98	344.15	243.45	-15.95
5	106	338	7.51	-13.44	-13.43	7.50	-0.49	452.67	343.64	451.38	344.93	-11.79
5	106	339	5.76	-7.28	-7.27	5.76	-0.29	440.19	325.20	325.44	439.95	-5.29
5	106	340	-0.51	-2.62	-2.45	-0.67	-0.57	514.39	-242.57	349.50	-77.68	312.45
5	106	343	12.42	-24.15	-19.68	7.95	-11.98	-181.13	-885.90	-875.21	-191.82	86.14
5	106	344	-0.21	-1.73	-1.73	-0.21	-6.95e-02	1150.98	6.85	972.34	185.49	-415.30
5	106	345	-1.08	-22.79	-21.44	-2.44	-5.25	-111.22	-815.58	-812.10	-114.71	49.43
5	106	347	8.01e-03	-1.45	-1.43	-1.26e-02	0.17	1282.76	169.23	1196.46	255.53	297.75
5	106	348	-0.46	-1.52	-1.52	-0.47	4.90e-02	-1264.57	-2131.50	-2113.22	-1282.86	124.57
5	106	349	-0.62	-2.07	-1.97	-0.72	0.36	-231.96	-611.81	-356.01	-487.76	-178.14
5	106	350	0.39	-0.78	-0.21	-0.18	0.58	574.89	-25.38	-21.47	570.98	-48.29
5	106	365	0.11	-0.52	7.10e-02	-0.48	0.15	533.40	39.86	41.76	531.51	-30.51
5	106	366	2.71	0.22	2.71	0.22	-7.60e-02	1157.92	-48.67	1083.18	26.07	-290.85
5	106	367	6.50e-02	-0.24	4.43e-02	-0.22	-7.73e-02	577.00	-24.80	-20.80	573.00	48.90
5	106	368	16.53	-11.86	0.56	4.11	-14.08	561.31	40.93	492.22	110.02	176.58
5	106	373	-0.31	-1.26	-1.19	-0.39	-0.26	444.12	-290.95	249.19	-96.01	324.48
5	106	376	0.45	-0.52	0.38	-0.45	0.25	-1533.04	-2790.14	-2772.09	-1551.10	-149.58
5	106	378	2.06	4.31e-02	2.06	4.36e-02	-3.28e-02	1217.27	-277.00	797.62	142.65	-671.54
5	106	379	0.58	-0.82	-0.37	0.12	0.66	458.28	84.89	182.69	360.48	-164.17
5	106	383	5.24	-1.85	3.93	-0.55	-2.75	910.32	-43.48	903.15	-36.31	-82.39
5	106	386	31.65	-0.94	31.65	-0.94	0.24	849.99	-49.28	842.52	-41.80	-81.65
5	106	387	15.32	1.49	15.10	1.71	-1.73	892.77	-130.87	830.77	-68.87	-244.18
5	106	389	7.14	-3.02	-1.88	6.00	-3.21	-228.14	-365.25	-295.70	-297.69	-68.55
5	106	393	0.40	-1.12	-0.54	-0.18	0.74	439.28	209.02	433.78	214.51	-35.14
5	106	395	68.40	8.48	68.36	8.52	-1.60	-333.30	-848.42	-833.32	-348.41	86.92
5	106	397	0.25	-0.39	-0.20	6.32e-02	-0.29	461.29	87.55	184.04	364.80	163.56
5	106	398	6.43	-5.52e-02	6.43	-5.41e-02	-8.33e-02	140.04	-1279.07	-1276.80	137.77	-56.74
5	106	399	0.18	-1.00	-0.98	0.16	0.14	414.69	112.97	148.00	379.66	-96.65
5	106	414	0.25	-0.91	-0.40	-0.26	-0.57	438.58	219.35	433.46	224.47	33.11
5	106	415	2.15e-02	-0.28	-0.26	4.56e-03	6.93e-02	931.80	130.15	930.24	131.71	35.32
5	106	417	0.70	-2.19	-1.57	8.01e-02	-1.18	465.39	-210.74	-61.77	316.43	280.23
5	106	418	0.49	-0.24	2.32e-02	0.23	0.35	413.86	113.16	148.49	378.52	96.83
5	106	424	16.66	-9.84	2.49	4.34	13.22	574.15	14.73	478.04	110.84	-211.02
5	106	425	6.54	-3.07	1.60	1.87	4.80	607.86	-16.87	2.14	588.85	-107.29
5	106	427	1.93	-0.95	0.77	0.21	1.41	462.01	-222.16	-71.65	311.51	-283.40
5	106	431	0.92	-0.54	-0.24	0.61	0.60	531.26	-8.37	-7.36	530.25	23.27
5	106	435	0.16	-13.87	0.12	-13.83	-0.70	725.90	-134.68	-83.39	674.62	-203.73
5	106	439	0.11	-0.72	-0.13	-0.48	0.38	457.05	76.43	76.43	457.05	0.27
5	106	454	-1.07	-2.00	-1.52	-1.55	0.46	580.01	-10.22	378.76	191.04	-279.79
5	106	455	9.13e-02	-0.48	-0.27	-0.12	0.27	486.47	47.55	47.55	486.47	0.47
5	106	456	1.50	-7.15	1.20	-6.85	1.58	946.20	-126.75	100.76	718.69	-438.57
5	106	457	2.14	-3.03	-1.67	0.78	-2.28	367.68	196.51	340.90	223.29	-62.18

5	106	461	1.50	-1.70	-1.70	1.50	6.09e-02	458.97	85.03	85.03	458.97	-0.22
5	106	462	15.49	-1.73	14.33	-0.57	4.32	1117.27	-185.47	863.44	68.36	-515.99
5	106	465	2.99	-3.25	-3.25	2.99	-8.88e-02	452.62	166.67	166.68	452.62	-1.29
5	106	466	12.51	-2.43	11.06	-0.98	-4.43	1151.91	-160.42	916.69	74.79	503.34
5	106	470	0.86	-1.07	-1.05	0.84	0.16	453.72	50.85	50.85	453.72	0.15
5	106	483	-0.53	-0.85	-0.82	-0.55	8.58e-02	752.35	-172.75	-157.13	736.73	119.22
5	106	500	10.94	-7.76	-8.55e-02	3.27	-9.20	711.37	-97.20	462.11	152.06	373.38
5	106	501	4.07e-02	-1.68	-1.67	3.02e-02	0.13	929.93	129.10	928.06	130.97	-38.68
5	106	503	-0.33	-1.17	-0.80	-0.70	0.42	535.90	-231.75	-187.35	491.50	-179.20
5	106	538	14.81	-4.26	13.39	-2.84	5.01	931.58	-34.16	856.70	40.72	-258.28
5	106	539	-0.29	-1.15	-0.91	-0.52	0.38	381.82	263.45	369.63	275.64	-35.98
5	106	540	0.60	-1.39	-1.34	0.56	-0.30	533.09	-7.14	-6.13	532.08	-23.32
5	106	543	0.72	-0.91	0.20	-0.39	0.76	806.05	-409.95	-395.35	791.45	-132.45
5	106	547	10.02	-16.77	-14.23	7.48	-7.86	424.25	185.24	377.79	231.70	94.58
5	106	549	0.72	-14.14	-12.43	-0.99	-4.74	103.31	-380.34	-339.71	62.68	134.16
5	106	553	6.91e-02	-1.49	-1.43	1.06e-02	-0.30	749.99	-211.90	-206.02	744.11	-74.95
5	106	554	11.37	-6.04	1.87	3.46	8.67	701.26	-133.14	423.34	144.78	-393.26
5	106	555	0.21	-0.76	-0.73	0.17	0.18	367.33	167.47	167.47	367.33	0.54
M_G			N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			156.94	-101.78	-100.64	-41.79	-37.84	3520.85	-4736.08	-4314.45	-4691.25	-1568.94
					156.84	57.39	37.04			2458.74	3482.50	1546.81